REGIONE MARCHE

PROVINCIA DI FERMO

COMUNE DI FERMO

IMPIANTO DI TRATTAMENTO ANAEROBICO DELLA FRAZIONE ORGANICA DEI RIFIUTI SOLIDI URBANI PER LA PRODUZIONE DI BIOMETANO

CIG: 9880245C18 – CUP: F62F18000070004

PROGETTO ESECUTIVO

NOME ELABORATO

BIOFILTRO B

TABULATI DI CALCOLO

CODIFICA ELABORATO	23008-OW-C-101-RS-092-MA1-0

CLASSE	10.9
STRUTTURE BIOFILTRO B	
N. TAVOLA	10.9.1.b
FORMATO	A4
SCALA	/

REV	DATA	DESCRIZIONE	ESEGUITO	VERIFICATO	APPROVATO
01	11/10/2024	SECONDA EMISSIONE	B.BARONE	C. BUTTICE'	R. MARTELLO
00	28/06/2024	PRIMA EMISSIONE	B.BARONE	C. BUTTICE'	R. MARTELLO

Committente

CITTA' DI FERMO
Settore IV e V
Lavori Pubblici, Protezione Civile, Ambiente, Urbanistica, Patrimonio, Contratti e Appalti
Via Mazzini 4
63900 – Fermo (FM)

DOTT. **Mauro Fortuna**
RUP

Progettista indicato

OWAC ENGINEERING COMPANY
Via Resuttana 360
90142 -PALERMO

OWAC Engineering Company S.R.L
ING. **Rocco Martello**
Direttore Tecnico

UNI EN ISO 9001:2015 N. 30233/14/S
UNI EN ISO 45001:2018 N. OHS-4849
UNI EN ISO 14001:2015 N. EMS-9477/S
UNI/PDR 74 :2019 N. SGBIM-01/23
UNI/PdR 74:2019 N. 21042BIM

Mandataria

EdilAlta
Via del Cardoncello 22
70022 – Altamura (BA)

EDILALTA S.R.L.
DOTT. **Angelantonio Disabato**
Socio

Mandante

Anaergia
Fueling a Sustainable World
Via Bassa di Casalmoro 3
46041 – Asola (MN)

ANAERGIA S.R.L.
DOTT. **Andrea Parisi**
Institore

01	B.BARONE	10/10/2024	C.BUTTICE'	11/10/2024	R.MARTELLO	11/10/2024
00	B.BARONE	27/06/2024	C.BUTTICE'	28/06/2024	R.MARTELLO	28/06/2024
REV	**ESEGUITO**	**DATA**	**VERIFICATO**	**DATA**	**APPROVATO**	**DATA**



TABULATI DI CALCOLO

Origine e Caratteristiche dei Codici di Calcolo	
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2023-07-199)
Produttore- Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it
Codice Licenza:	Licenza dsi5924

Descrizione	
Progetto	Impianto di trattamento anaerobico della F.O.R.S.U. per la produzione di Biometano.
	Biofiltro secondario
Ubicazione	Comune di FERMO (Regione MARCHE)
	Località CONTRADA SAN BIAGIO
	Longitudine 13.716, Latitudine 43.160

In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (*Affidabilità dei codici utilizzati*), si fa riferimento al **Documento di Affidabilità** "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" disponibile per il download sul sito: https://www.2si.it/it/prodotti/affidabilita/

1 INTESTAZIONE E CONTENUTI DELLA RELAZIONE

1.1 PROGETTO

La struttura del biofiltro è una vasca che contiene della legna da cui passa aria insufflata dal basso. Gli elementi portanti sono pareti in calcestruzzo armato, una piastra di fondazione, la qualità del calcestruzzo è C32/40, la classe di esposizione è XC4 copriferro 5cm. I pali di fondazione sorreggono la struttura del biofiltro e sono di diametro cm60. La qualità di calcestruzzo è C25/30 e la classe di esposizione è XC 2 copriferro 5cm.
Sulla piastra vengono realizzati dei muretti in calcestruzzo armato, atti a sorreggere i pannelli forati da cui fuoriesce aria.
In merito alla fondazione si è progettata come se fosse una fondazione mista, con riferimento ai §§6.4.3.3, 7.11.5.3.2, C7.11.5.3.2, ai pali viene affidato la capacità portane e la funzione di contenere i cedimenti, alla piastra ha il compito di assorbire lo scorrimento laterale e trasversale. Alla piastra viene assegnato un valore di k di winkler verticale pari a quello del limo che è pari a 0.6daN/cmc e per quello laterale 0.3daN/cmc.
Per i pali le costanti vengono calcolate in funzione agli strati. Nel calcolo della portanza dei pali si è posto pari a zero il calore della portanza laterale dei limi ai fini di un vantaggio di sicurezza.
Lo spessore delle pareti è 30cm, la piastra di fondazione ha uno spessore cm 70.

Contenuti della relazione:
RELAZIONE DI CALCOLO STRUTTURALE
- *Origine e Caratteristiche dei Codici di Calcolo*
- *Affidabilità dei codici utilizzati*
- *Validazione dei codici*

- Tipo di analisi svolta
- Modalità di presentazione dei risultati
- Informazioni generali sull'elaborazione
- Giudizio motivato di accettabilità dei risultati
STAMPA DEI DATI DI INGRESSO
- Normative prese a riferimento
- Criteri adottati per le misure di sicurezza
- Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconessioni
- Interazione tra terreno e struttura
- Legami costitutivi adottati per la modellazione dei materiali e dei terreni
- Schematizzazione delle azioni, condizioni e combinazioni di carico
- Metodologie numeriche utilizzate per l' analisi strutturale
-Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali
STAMPA DEI RISULTATI

Il Progettista:

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2 RELAZIONE DI CALCOLO STRUTTURALE

2.1 PREMESSA

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.
Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.
La struttura del biofiltro è una vasca che contiene della legna da cui passa aria insufflata dal basso.

2.2 DESCRIZIONE GENERALE DELL'OPERA

La struttura è costituita da setti in elevazione e da una piastra di fondazione su pali

Descrizione generale dell'opera	
Fabbricato ad uso	A servizio dei processi industriali
Ubicazione	Comune di FERMO (Regione MARCHE)
	Località CONTRADA SAN BIAGIO
	Longitudine 13.6769, Latitudine 43,1224
Numero di piani	Fuori terra 0
	Interrati 0
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di 13.05x14.80
Numero vani scale	0
Numero vani ascensore	0
Tipo di fondazione	fondazioni profonde pali; platea di fondazione spessore 70cm

Principali caratteristiche della struttura	
Struttura regolare in pianta	si
Struttura regolare in altezza	si
Classe di duttilità	Non dissipativa
Travi: ricalate o in spessore	0
Pilastri	0
Pilastri in falso	0
Tipo di fondazione	Pali e platea
Condizioni per cui è necessario considerare la componente verticale del sisma	nessuna

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
I	50.0	0.7	35.0

Fattore di struttura/comportamento
Struttura non dissipativa

2.3 QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.
Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l' azione sismica	D.M. 17-01-2018

2.4 AZIONI DI PROGETTO SULLA COSTRUZIONE

Nei capitoli "modellazione delle azioni" e "schematizzazione dei casi di carico" sono indicate le azioni sulla costruzioni.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica.*
La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).
L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

K * u = F dove **K** = matrice di rigidezza
u = vettore spostamenti nodali
F = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.
Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.
Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo ***TRUSS*** (biella-D2)
Elemento tipo ***BEAM*** (trave-D2)
Elemento tipo ***MEMBRANE*** (membrana-D3)
Elemento tipo ***PLATE*** (piastra-guscio-D3)
Elemento tipo ***BOUNDARY*** (molla)
Elemento tipo ***STIFFNESS*** (matrice di rigidezza)
Elemento tipo ***BRICK*** (elemento solido)
Elemento tipo ***SOLAIO*** (macro elemento composto da più membrane)

2.5 MODELLO NUMERICO

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Gli elementi utilizzati elementi d3 (shell), ed elementi pali.

2.5.1 Tipo di analisi strutturale

Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO
Analisi lineare	SI

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

2.5.2 Informazioni sul codice di calcolo

Titolo:	PRO_SAP PROfessional Structural Analysis Program

Versione:	PROFESSIONAL (build 2023-07-199)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	Owac Engineering Company
Codice Utente:	Owac Engineering Company
Codice Licenza:	Licenza dsi5924

Un attento esame preliminare della documentazione a corredo del software ***ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico***. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

2.5.3 Affidabilità dei codici utilizzati

2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.
E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: https://www.2si.it/it/prodotti/affidabilita/

Modellazione della geometria e proprietà meccaniche:	
nodi	855
elementi D2 (per aste, travi, pilastri...)	19
elementi D3 (per pareti, platee, gusci...)	825
elementi solaio	8
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	690.00
Xmax =	2240.00
Ymin =	301.00
Ymax =	1626.00
Zmin =	-80.00
Zmax =	242.50
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	SI
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	SI

Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	SI
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

2.6 MODELLAZIONE DELLE AZIONI

Si veda il capitolo **"Schematizzazione dei casi di carico"** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte "*2.6. Azioni di progetto sulla costruzione*".

2.7 COMBINAZIONI E/O PERCORSI DI CARICO

Si veda il capitolo **"Definizione delle combinazioni"** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.
Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la compresione del/i modello/i e del comportamento della struttura:
per l'analisi modale:

- periodi dei modi di vibrare della struttura
- masse eccitate dai singoli modi
- massa eccitata totale

deformate e sollecitazioni:

- spostamenti e rotazioni dei singoli nodi della struttura
- reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente)
- pressioni sul terreno (nel caso siano presenti elementi di fondazione)
- sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative
- tensioni sugli elementi d3 nelle combinazioni di calcolo più significative
- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

altri risultati significativi:

- nessuna

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:
per i dati in ingresso:

- modello solido della struttura

- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura):

- configurazioni deformate
- diagrammi e inviluppi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni abnormi. Si può pertanto asserire che l' elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. Si allega al termine della presente relazione elenco sintetico dei controlli svolti (verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, etc.) .

2.8 VERIFICHE AGLI STATI LIMITE ULTIMI

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

2.9 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLE vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

3 NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo -

Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.

23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.
35. CNR DT-200/2013 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzat
36. CNR DT-215/2018 - Istruzioni per la Progettazione, l'Esecuzione ed il Controllo di Interventi di Consolidamento Statico mediante l'utilizzo di Compositi Fibrorinforzati a Matrice Inorganica

NOTA: il presente capitolo riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO".
Laddove nei capitoli successivi vengano richiamate normative antecedenti al DM 17.01.18 è dovuto alla progettazione simulata di edifico esistente.

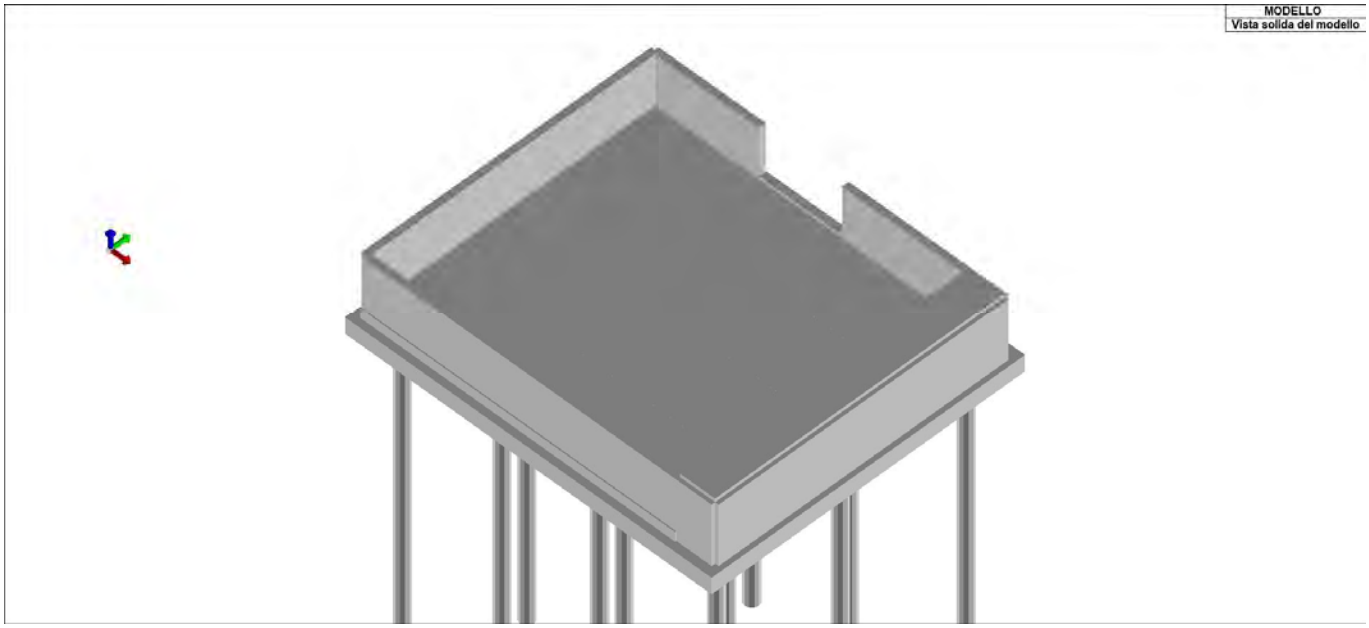


Figura 1 - VISTA_SOLIDA_001

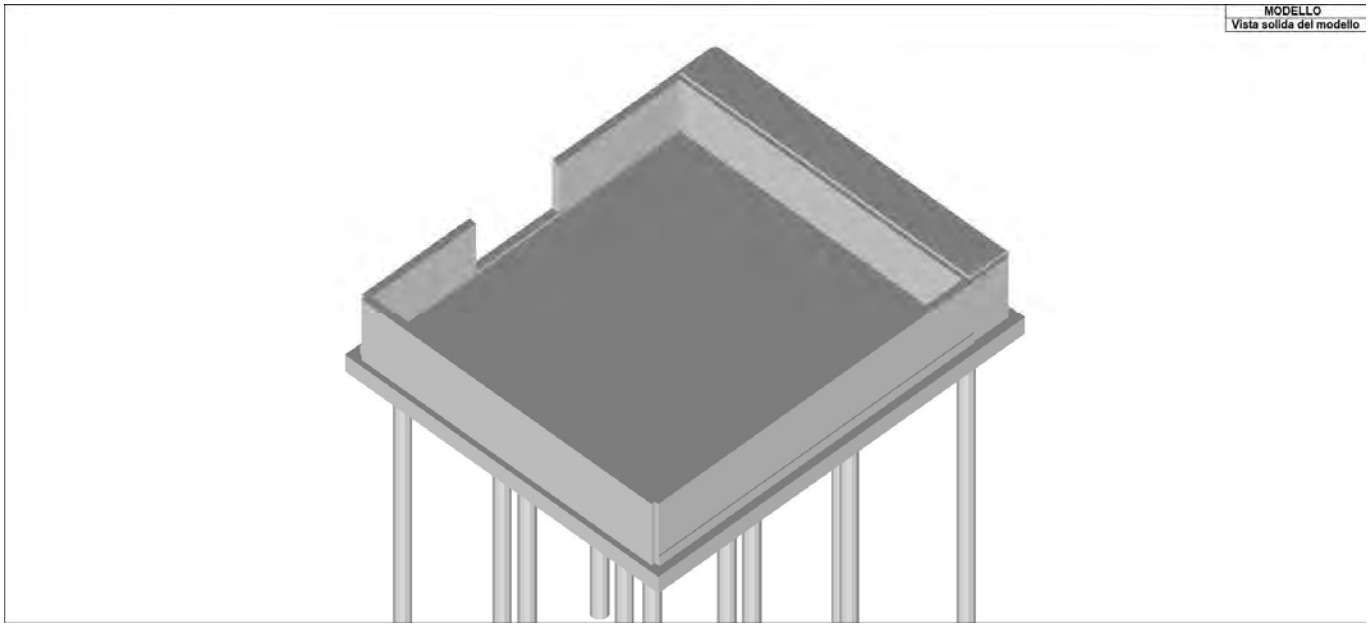


Figura 2 - VISTA_SOLIDA_002

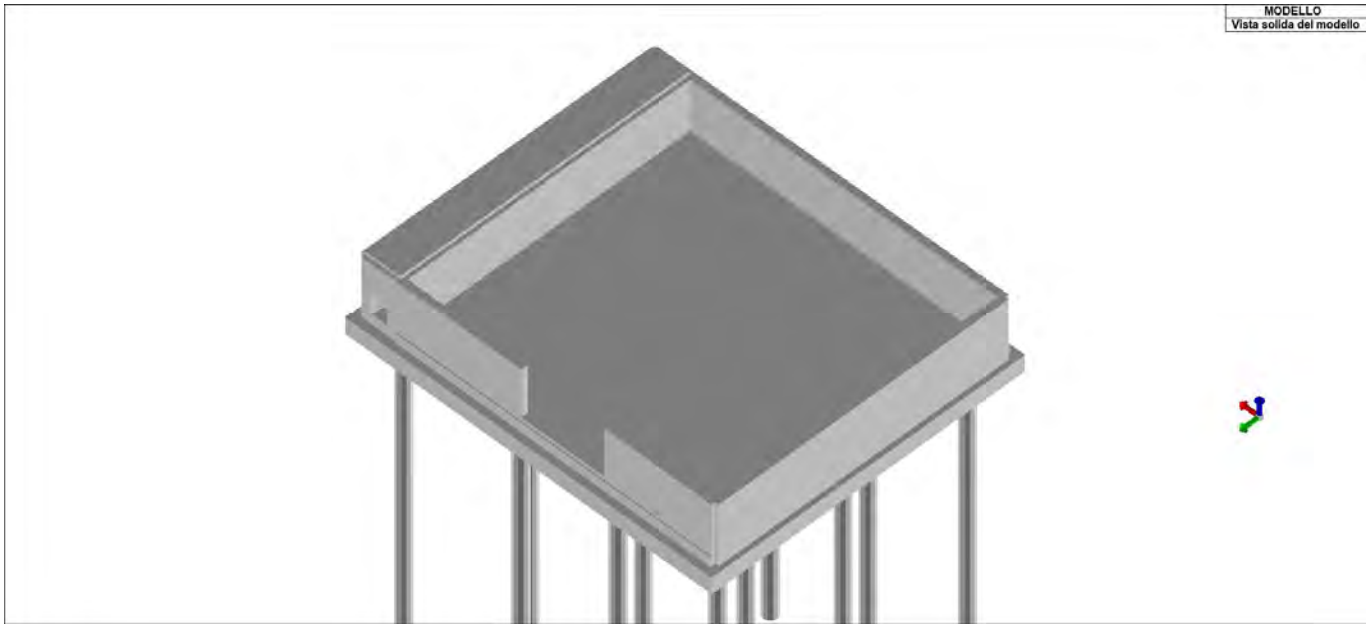


Figura 3 - VISTA_SOLIDA_003

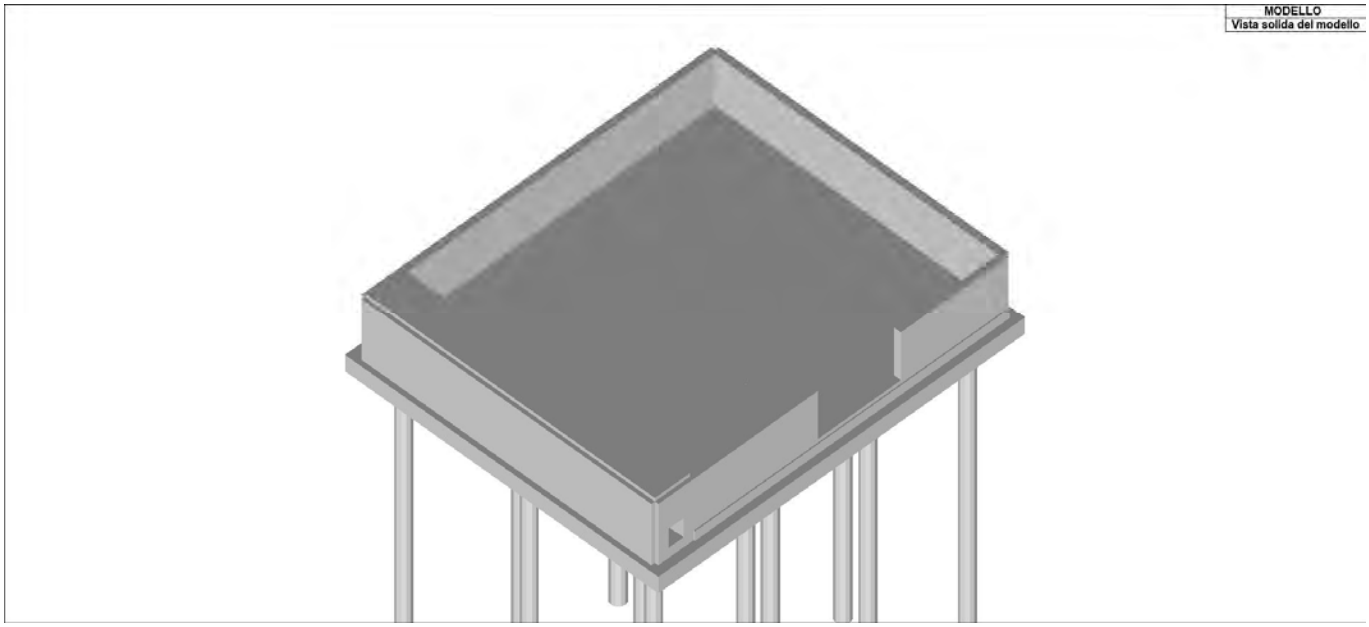


Figura 4 - VISTA_SOLIDA_004

4 CARATTERISTICHE MATERIALI UTILIZZATI

4.1 LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ni
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficinete di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	c.a.		
		Resistenza Rc	resistenza a cmpressione cubica
		Resistenza fctm	resistenza media a trazione semplice
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio		
		Tensione ft	Valore della tensione di rottura
		Tensione fy	Valore della tensione di snervamento
		Resistenza fd	Resistenza di calcolo per SL CNR-UNI 10011
		Resistenza fd (>40)	Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm

		Tensione ammissibile	Tensione ammissibile CNR-UNI 10011
		Tensione ammissibile(>40)	Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura		
		Muratura consolidata	Muratura per la quale si prevedono interventi di rinforzo"
		Incremento resistenza	Incremento conseguito in termini di resistenza
		Incremento rigidezza	Incremento conseguito in termini di rigidezza
		Resistenza f	Valore della resistenza a compressione
		Resistenza fv0	Valore della resistenza a taglio in assenza di tensioni normali
		Resistenza fh	Valore della resistenza a compressione orizzontale
		Resistenza fb	Valore della resistenza a compressione dei blocchi
		Resistenza fbh	Valore della resistenza a compressione dei blocchi in direzione orizzontale
		Resistenza fv0h	Valore della resistenza a taglio in assenza di tensioni normali per le travi
		Resistenza ft	Valore della resistenza a trazione per fessurazione diagonale
		Resistenza fvlim	Valore della massima resistenza a taglio
		Resistenza fbt	Valore della resistenza a trazione dei blocchi
		Coefficiente mu	Coefficiente d'attrito utilizzato per la resistenza a taglio
		Coefficiente fi	Coefficiente d'ingranamento utilizzato per la resistenza a taglio
		Coefficiente ksb	Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno		
		E0,05	Modulo di elasticità corrispondente ad un frattile del 5%
		Resistenza fc0	Valore della resistenza a compressione parallela
		Resistenza ft0	Valore della resistenza a trazione parallela
		Resistenza fm	Valore della resistenza a flessione
		Resistenza fv	Valore della resistenza a taglio
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP, CNR-DT 215 per interventi con FRCM)

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	Calcestruzzo Classe C25/30			3.145e+05	0.20	1.310e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		25.6						
	Rapporto Rfessurata (assiale)								1.00

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
5	Calcestruzzo Classe C32/40			3.364e+05	0.20	1.402e+05	2.50e-03	1.00e-05	
	Resistenza Rc	400.0							
	Resistenza fctm		31.0						
	Rapporto Rfessurata (assiale)								1.00
	Rapporto Rfessurata (flessione)								1.00
	Rapporto Rfessurata (taglio)								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
157	Materiale inf. rigido no peso E = 1.000e+07- materiale E = 1.000e+07			1.000e+07	0.0	5.000e+06	0.0	1.20e-05	
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

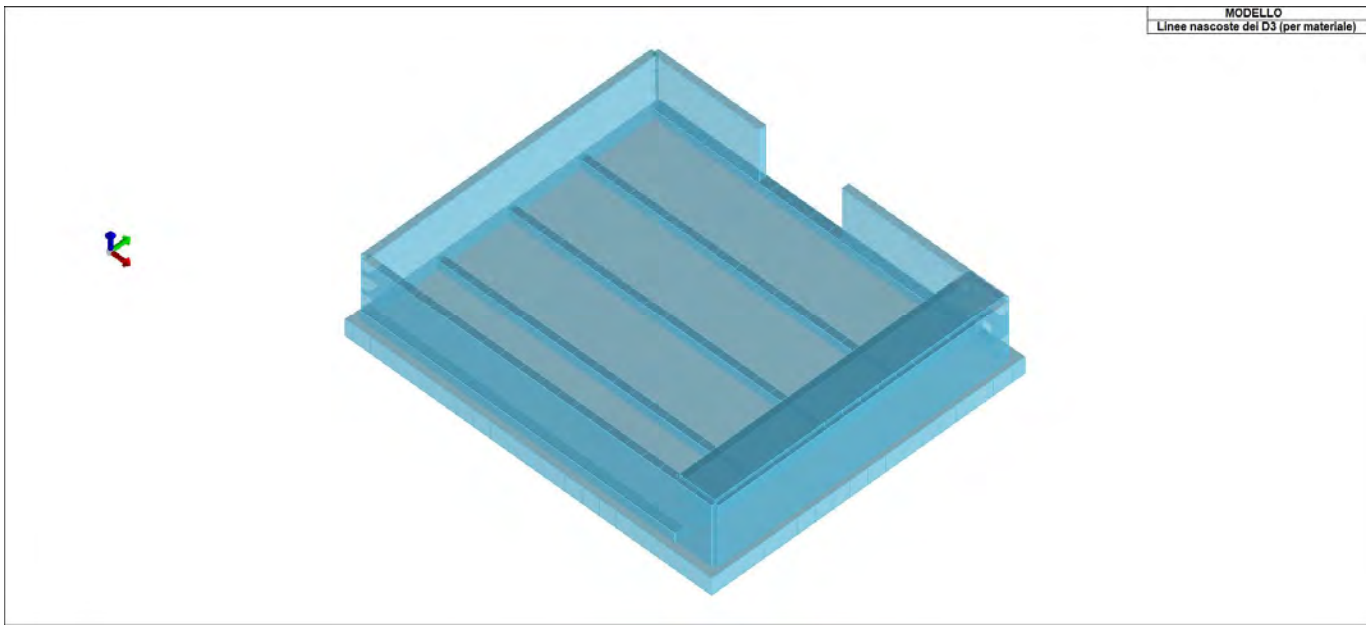


Figura 5 - MOD_MATERIALI_D3

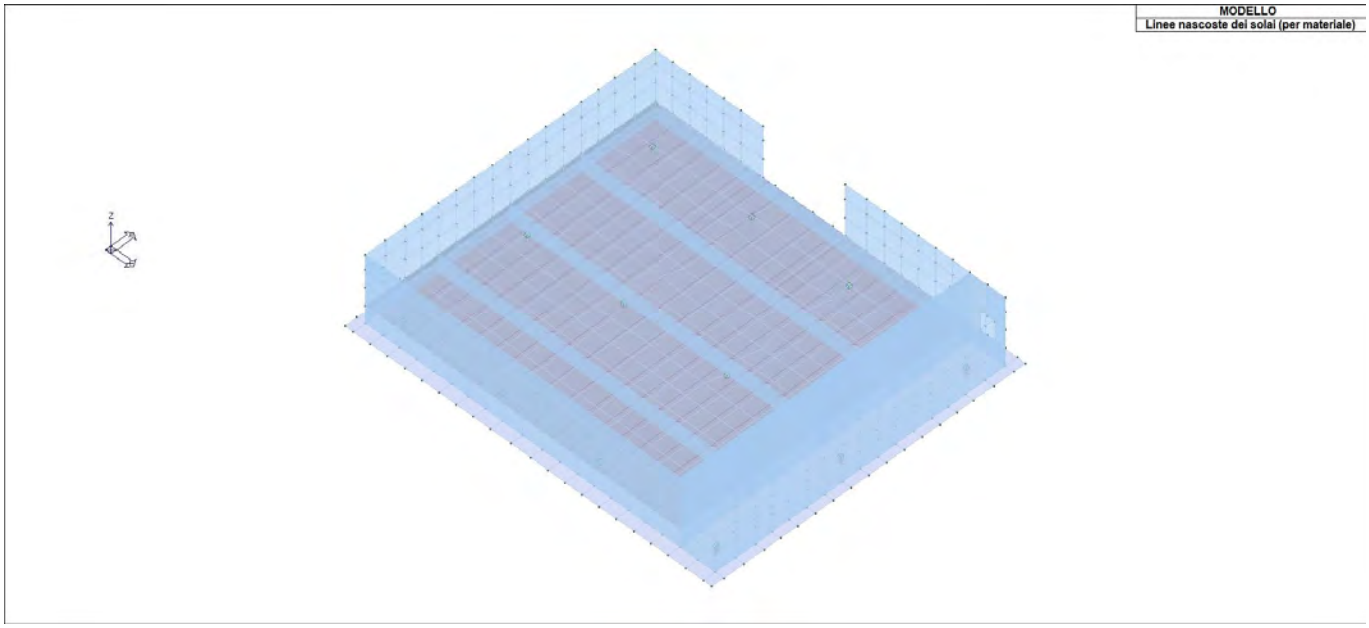


Figura 6 - MOD_MATERIALI_SOLAI

Pareti c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Generalità						
Progetto armatura	Singolo elemento	Singolo elemento FONDAZIONE	Singolo elemento NON DISSIPATIVO	Singolo elemento	Parete estesa debolmente armata	Singolo elemento
	Singolo elemento	Singolo elemento NON DISSIPATIVO	Singolo elemento NON DISSIPATIVO	Singolo elemento NON DISSIPATIVO	Singolo elemento NON DISSIPATIVO	Singolo elemento NON DISSIPATIVO
	Singolo elemento NON DISSIPATIVO					
Armatura						
Inclinazione Av [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00	90.00	90.00	90.00	90.00	90.00
	90.00					
Angolo Av-Ao [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00	90.00	90.00	90.00	90.00	90.00
	90.00					
Minima tesa	0.20	0.20	0.20	2.000e-02	0.20	0.20
	0.20	0.20	0.20	0.20	0.20	0.20
	0.20					
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00	4.00	4.00	4.00
	10.00					
Maglia unica centrale	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Unico strato verticale	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Unico strato orizzontale	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Copriferro [cm]	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00					
Maglia V						

Pareti c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
diametro	10	10	10	10	10	10
	10	16	12	12	10	10
	12					
passo	25	25	25	25	25	25
	25	20	20	25	20	20
	20					
diametro aggiuntivi	12	12	12	12	12	12
	12	16	12	12	10	10
	12					
Maglia O						
diametro	10	10	10	10	10	10
	10	16	12	12	10	10
	12					
passo	25	25	25	25	25	25
	25	20	20	25	20	20
	20					
diametro aggiuntivi	12	12	12	12	12	12
	12	16	12	12	10	10
	12					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00					
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C					
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15	1.15	1.15
	1.15					
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50	1.50	1.50
	1.50					
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI	SI	SI
	SI					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50	97.50	97.50	97.50	97.50
	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00					
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00	15.00	15.00
	15.00					
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Parete estesa debolmente armata						
Fattore amplificazione taglio V	0.0	0.0	0.0	0.0	0.0	0.0

Pareti c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Diagramma inviluppo taglio	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Vincolo lati	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato
	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato	nessun lato
	nessun lato					
Verifica come fascia	NO	NO	NO	NO	SI	NO
	NO	NO	NO	NO	NO	NO
	NO					
Diametro di estremità	0	0	0	0	0	0
	0	0	0	0	0	0
	0					
Zona confinata						
Minima tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Massima tesa	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00	4.00	4.00	4.00
	4.00					
Distanza barre [cm]	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00					
Interferro	2	2	2	2	2	2
	2	2	2	2	2	2
	2					
Armatura inclinata						
Area barre [cm2]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Angolo orizzontale [gradi]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Distanza di base [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Resistenza al fuoco						
3- intradosso	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
3+ estradosso	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Tempo di esposizione R	15	15	15	15	15	15
	15	15	15	15	15	15
	15					

Gusci c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Armatura						
Inclinazione Ax [gradi]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Angolo Ax-Ay [gradi]	90.00	90.00	90.00	90.00	90.00	90.00
	90.00	90.00	90.00	90.00	90.00	90.00
	90.00					
Minima tesa	0.31	0.10	0.13	2.000e-02	0.31	0.31
	0.31	0.13	0.13	0.13	0.13	0.13
	0.13					
Massima tesa	0.78	4.00	4.00	4.00	0.78	0.78
	0.78	4.00	4.00	4.00	4.00	4.00
	10.00					
Maglia unica centrale	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Copriferro [cm]	2.00	3.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00					
Maglia x						
diametro	10	12	10	10	10	10
	10	16	12	12	10	10
	12					
passo	20	20	20	20	20	20
	20	20	20	25	20	20
	20					
diametro aggiuntivi	12	12	12	12	12	12
	12	16	12	12	10	10
	12					
Maglia y						
diametro	10	12	10	10	10	10
	10	16	12	12	10	10
	12					
passo	20	20	20	20	20	20
	20	20	20	25	20	20
	20					
diametro aggiuntivi	12	12	12	12	12	12
	12	16	12	12	10	10
	12					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00					
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C					
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15	1.15	1.15
	1.15					
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50	1.50	1.50
	1.50					
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI	SI	SI
	SI					
Applica SLU da DIN	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50	97.50	97.50	97.50	97.50
	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00

Gusci c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
	2600.00					
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00	15.00	15.00
	15.00					
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Resistenza al fuoco						
3- intradosso	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
3+ estradosso	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Tempo di esposizione R	15	15	15	15	15	15
	15	15	15	15	15	15
	15					

Travi c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Generalità						
Progetta a filo	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Af inf: da q*L*L /	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Armatura						
Minima tesa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.31	0.13	0.13	0.13	0.13	0.13
	0.13					
Minima compressa	0.31	0.20	0.13	2.000e-02	0.31	0.31
	0.31	0.13	0.13	0.13	0.13	0.13
	0.13					
Massima tesa	0.78	4.00	4.00	4.00	0.78	0.78
	0.78	4.00	4.00	4.00	4.00	4.00
	4.00					
Da sezione	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI	SI	SI
	SI					
Usa armatura teorica	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00					
Tensione fy staffe [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00					
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C					
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15	1.15	1.15
	1.15					
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50	1.50	1.50
	1.50					
Verifiche con N costante	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI	SI	SI
	SI					

Travi c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Fattore di ridistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander	Mander	Mander	Mander	Mander
	Mander	Mander	Mander	Mander	Mander	Mander
	Mander					
Incrudimento acciaio	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03
	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03	5.000e-03
	5.000e-03					
Fattore lambda	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
epsilon max,s	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02
	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02	4.000e-02
	4.000e-02					
epsilon cu2	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03
	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03	4.500e-03
	4.500e-03					
epsilon c2	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
epsilon cy	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50	97.50	97.50
	97.50	97.50	97.50	97.50	97.50	97.50
	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00					
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00	15.00	15.00
	15.00					
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Staffe						
Diametro staffe	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Passo minimo [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00	4.00	4.00	4.00
	4.00					
Passo massimo [cm]	30.00	30.00	30.00	30.00	30.00	30.00
	30.00	30.00	30.00	30.00	30.00	30.00
	30.00					
Passo raffittito [cm]	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00	15.00	15.00
	15.00					
Lunghezza zona raffittita [cm]	50.00	50.00	50.00	50.00	50.00	50.00
	50.00	50.00	50.00	50.00	50.00	50.00
	50.00					
Ctg(Teta) Max	2.50	2.50	2.50	2.50	2.50	2.50
	2.50	2.50	2.50	2.50	2.50	2.50
	2.50					
Percentuale sagomati	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					

Travi c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Luce di taglio per GR [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Adotta scorrimento medio	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Torsione non essenziale inclusa	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI	SI	SI
	SI					

Solai e pannelli	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Generalità						
Usa tensioni ammissibili	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Af inf: da traliccio	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI	SI	SI
	SI					
Consenti armatura a taglio	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Incrementa armatura longitudinale per taglio	SI	SI	SI	SI	SI	SI
	SI	SI	SI	SI	SI	SI
	SI					
Af inf: da q*L*L /	20.00	20.00	20.00	20.00	20.00	20.00
	20.00	20.00	20.00	20.00	20.00	20.00
	20.00					
Incremento fascia piena [cm]	5.00	5.00	5.00	5.00	5.00	5.00
	5.00	5.00	5.00	5.00	5.00	5.00
	5.00					
Armatura						
Minima tesa	0.15	0.15	0.15	0.15	0.15	0.15
	0.15	0.15	0.15	0.15	0.15	0.15
	0.15					
Massima tesa	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00	3.00	3.00	3.00	3.00
	3.00					
Minima compressa	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Af/h [cm]	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02
	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02	7.000e-02
	7.000e-02					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00	4500.00	4500.00	4500.00	4500.00	4500.00
	4500.00					
Tipo acciaio	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C	tipo C	tipo C	tipo C	tipo C	tipo C
	tipo C					
Coefficiente gamma s	1.15	1.15	1.15	1.15	1.15	1.15
	1.15	1.15	1.15	1.15	1.15	1.15
	1.15					
Coefficiente gamma c	1.50	1.50	1.50	1.50	1.50	1.50
	1.50	1.50	1.50	1.50	1.50	1.50
	1.50					
Fattore di ridistribuzione	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	85.00	85.00	85.00	85.00	85.00	85.00
	85.00	85.00	85.00	85.00	85.00	85.00
	85.00					

Solai e pannelli	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00	2600.00	2600.00	2600.00	2600.00	2600.00
	2600.00					
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00	15.00	15.00
	15.00	15.00	15.00	15.00	15.00	15.00
	15.00					
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00	1.00	1.00
	1.00					
Verifica freccia						
Infinita	250.00	250.00	250.00	250.00	250.00	250.00
	250.00	250.00	250.00	250.00	250.00	250.00
	250.00					
Istantanea	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00	500.00	500.00	500.00	500.00
	500.00					
Fattore viscosità	3.00	3.00	3.00	3.00	3.00	3.00
	3.00	3.00	3.00	3.00	3.00	3.00
	3.00					
Usa J non fessurato	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Elementi non strutturali						
Tamponatura antiespulsione	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Tamponatura con armatura	NO	NO	NO	NO	NO	NO
	NO	NO	NO	NO	NO	NO
	NO					
Fattore di struttura/comportamento	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00	2.00	2.00
	2.00					
Coefficiente gamma m	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Periodo Ta	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					
Altezza pannello	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0
	0.0					

5 MODELLAZIONE DELLE SEZIONI

5.1 LEGENDA TABELLA DATI SEZIONI

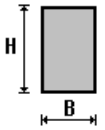
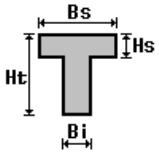
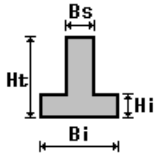
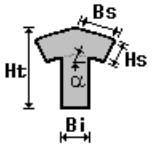
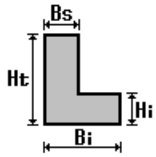
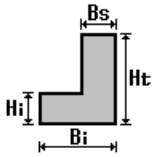
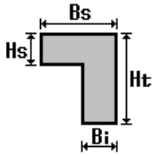
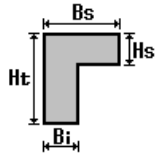
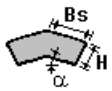
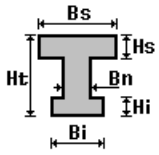
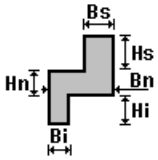
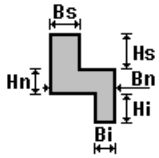
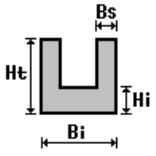
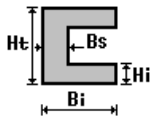
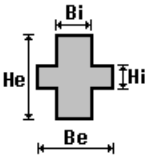
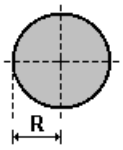
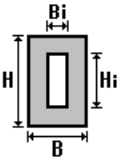
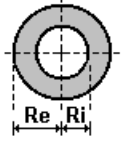
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilatari.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Rettangolare: b=30.00 h =30.00	900.00	750.00	750.00	1.139e+05	6.750e+04	6.750e+04	4500.00	4500.00	6750.00	6750.00
15	link - Circolare: r=30	2827.43	2385.62	2385.62	1.272e+06	6.362e+05	6.362e+05	2.121e+04	2.121e+04	3.600e+04	3.600e+04

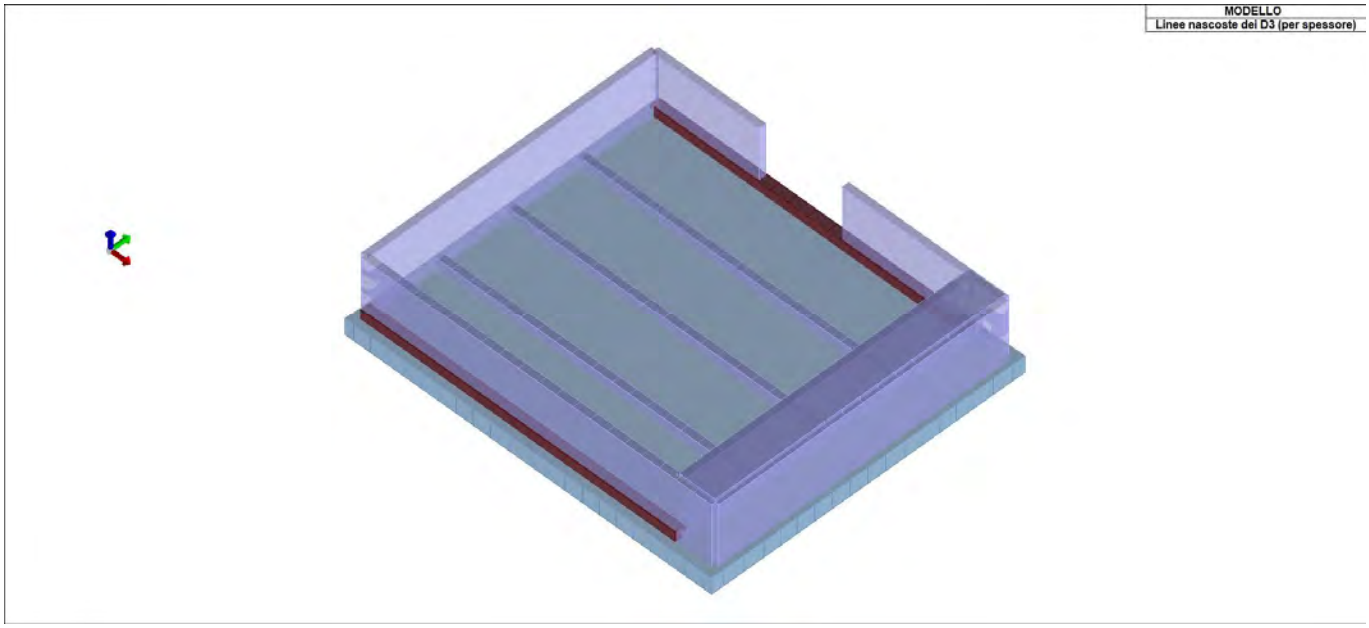


Figura 7 - MOD_SPESSORI_D3

6 MODELLAZIONE STRUTTURA: NODI

6.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,…) eventuale codice del tipo di fondazione speciale (1, 2,… fanno riferimento alle tipologie: plinto, palo, plinto su pali,…) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

6.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
13	2060.0	1576.0	242.5	14	2135.0	1576.0	242.5	15	690.0	311.0	-50.0
16	690.0	1616.0	-50.0	17	725.0	311.0	-50.0	18	725.0	1616.0	-50.0
19	797.5	311.0	-50.0	20	797.5	1616.0	-50.0	21	870.0	311.0	-50.0
22	870.0	1616.0	-50.0	23	942.5	311.0	-50.0	24	942.5	1616.0	-50.0
25	1015.0	311.0	-50.0	26	1015.0	1616.0	-50.0	27	1087.5	311.0	-50.0
28	1087.5	1616.0	-50.0	29	1160.0	311.0	-50.0	30	1160.0	1616.0	-50.0
31	1232.5	311.0	-50.0	32	1232.5	1616.0	-50.0	33	1305.0	311.0	-50.0
34	1305.0	1616.0	-50.0	35	1390.0	311.0	-50.0	36	690.0	351.0	-50.0
37	725.0	351.0	-50.0	38	797.5	351.0	-50.0	39	870.0	351.0	-50.0
40	942.5	351.0	-50.0	41	1015.0	351.0	-50.0	42	1087.5	351.0	-50.0
43	1160.0	351.0	-50.0	44	1232.5	351.0	-50.0	45	1305.0	351.0	-50.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
46	1390.0	351.0	-50.0	47	1475.0	351.0	-50.0	48	1547.5	351.0	-50.0
49	1620.0	351.0	-50.0	50	1692.5	351.0	-50.0	51	1765.0	351.0	-50.0
52	1837.5	351.0	-50.0	53	2135.0	1265.0	242.5	54	1912.5	351.0	-50.0
55	1985.0	351.0	-50.0	56	2060.0	351.0	-50.0	57	2135.0	351.0	-50.0
58	2170.0	351.0	-50.0	59	690.0	435.8	-50.0	60	725.0	435.8	-50.0
61	798.8	435.8	-50.0	62	870.0	435.8	-50.0	63	942.5	435.8	-50.0
64	1015.0	435.8	-50.0	65	1087.5	435.8	-50.0	66	1160.0	435.8	-50.0
67	1219.7	435.8	-50.0	68	1305.0	435.8	-50.0	69	1390.0	435.8	-50.0
70	1475.0	435.8	-50.0	71	1547.5	435.8	-50.0	72	1631.7	435.8	-50.0
73	1692.5	435.8	-50.0	74	1765.0	435.8	-50.0	75	1837.5	435.8	-50.0
76	725.0	1335.7	242.5	77	1912.5	435.8	-50.0	78	1985.0	435.8	-50.0
79	2056.3	435.8	-50.0	80	2135.0	435.8	-50.0	81	2170.0	435.8	-50.0
82	800.0	510.0	-50.0	83	1208.5	510.0	-50.0	84	1642.0	510.0	-50.0
85	2053.0	510.0	-50.0	86	690.0	520.7	-50.0	87	725.0	520.7	-50.0
88	870.0	520.7	-50.0	89	942.5	520.7	-50.0	90	1015.0	520.7	-50.0
91	1087.5	520.7	-50.0	92	1160.0	520.7	-50.0	93	1305.0	520.7	-50.0
94	1390.0	520.7	-50.0	95	1475.0	520.7	-50.0	96	1547.5	520.7	-50.0
97	1692.5	520.7	-50.0	98	1765.0	520.7	-50.0	99	1837.5	520.7	-50.0
100	1985.0	1335.7	242.5	101	1912.5	520.7	-50.0	102	1985.0	520.7	-50.0
103	2135.0	520.7	-50.0	104	2170.0	520.7	-50.0	105	690.0	591.3	-50.0
106	725.0	591.3	-50.0	107	797.5	591.3	-50.0	108	870.0	591.3	-50.0
109	942.5	591.3	-50.0	110	1015.0	591.3	-50.0	111	1087.5	591.3	-50.0
112	1160.0	591.3	-50.0	113	1232.5	591.3	-50.0	114	1305.0	591.3	-50.0
115	1390.0	591.3	-50.0	116	1475.0	591.3	-50.0	117	1547.5	591.3	-50.0
118	1620.0	591.3	-50.0	119	1692.5	591.3	-50.0	120	1765.0	591.3	-50.0
121	1837.5	591.3	-50.0	122	2060.0	1335.7	242.5	123	1912.5	591.3	-50.0
124	1985.0	591.3	-50.0	125	2060.0	591.3	-50.0	126	2135.0	591.3	-50.0
127	2170.0	591.3	-50.0	128	690.0	662.0	-50.0	129	725.0	662.0	-50.0
130	797.5	662.0	-50.0	131	870.0	662.0	-50.0	132	942.5	662.0	-50.0
133	1015.0	662.0	-50.0	134	1087.5	662.0	-50.0	135	1160.0	662.0	-50.0
136	1232.5	662.0	-50.0	137	1305.0	662.0	-50.0	138	1390.0	662.0	-50.0
139	1475.0	662.0	-50.0	140	1547.5	662.0	-50.0	141	1620.0	662.0	-50.0
142	1692.5	662.0	-50.0	143	1765.0	662.0	-50.0	144	1837.5	662.0	-50.0
145	2135.0	1335.7	242.5	146	1912.5	662.0	-50.0	147	1985.0	662.0	-50.0
148	2060.0	662.0	-50.0	149	2135.0	662.0	-50.0	150	2170.0	662.0	-50.0
151	690.0	737.2	-50.0	152	725.0	737.2	-50.0	153	797.5	737.2	-50.0
154	870.0	737.2	-50.0	155	942.5	737.2	-50.0	156	1015.0	737.2	-50.0
157	1087.5	737.2	-50.0	158	1160.0	737.2	-50.0	159	1232.5	737.2	-50.0
160	1305.0	737.2	-50.0	161	1390.0	737.3	-50.0	162	1475.0	737.2	-50.0
163	1547.5	737.2	-50.0	164	1620.0	737.2	-50.0	165	1692.5	737.2	-50.0
166	1765.0	737.2	-50.0	167	1837.5	737.2	-50.0	168	725.0	1406.3	242.5
169	1912.5	737.2	-50.0	170	1985.0	737.2	-50.0	171	2060.0	737.2	-50.0
172	2135.0	737.2	-50.0	173	2170.0	737.2	-50.0	174	690.0	812.5	-50.0
175	725.0	812.5	-50.0	176	797.5	812.5	-50.0	177	870.0	812.5	-50.0
178	942.5	812.5	-50.0	179	1015.0	812.5	-50.0	180	1087.5	812.5	-50.0
181	1160.0	812.5	-50.0	182	1232.5	812.5	-50.0	183	1305.0	812.5	-50.0
184	1390.0	812.5	-50.0	185	1475.0	812.5	-50.0	186	1547.5	812.5	-50.0
187	1620.0	812.5	-50.0	188	1692.5	812.5	-50.0	189	1765.0	812.5	-50.0
190	1837.5	812.5	-50.0	191	1985.0	1406.3	242.5	192	1912.5	812.5	-50.0
193	1985.0	812.5	-50.0	194	2060.0	812.5	-50.0	195	2135.0	812.5	-50.0
196	2170.0	812.5	-50.0	197	690.0	887.8	-50.0	198	725.0	887.8	-50.0
199	797.5	887.8	-50.0	200	870.0	887.8	-50.0	201	942.5	887.8	-50.0
202	1015.0	887.8	-50.0	203	1087.5	887.8	-50.0	204	1160.0	887.8	-50.0
205	1232.5	887.8	-50.0	206	1305.0	887.8	-50.0	207	1390.0	887.8	-50.0
208	1475.0	887.8	-50.0	209	1547.5	887.8	-50.0	210	1620.0	887.8	-50.0
211	1692.5	887.8	-50.0	212	1765.0	887.8	-50.0	213	1837.5	887.8	-50.0
214	2060.0	1406.3	242.5	215	1912.5	887.8	-50.0	216	1985.0	887.8	-50.0
217	2060.0	887.8	-50.0	218	2135.0	887.8	-50.0	219	2170.0	887.8	-50.0
220	690.0	963.0	-50.0	221	725.0	963.0	-50.0	222	797.5	963.0	-50.0
223	870.0	963.0	-50.0	224	942.5	963.0	-50.0	225	1015.0	963.0	-50.0
226	1087.5	963.0	-50.0	227	1160.0	963.0	-50.0	228	1208.5	963.0	-50.0
229	1305.0	963.0	-50.0	230	1390.0	963.0	-50.0	231	1475.0	963.0	-50.0
232	1547.5	963.0	-50.0	233	1642.0	963.0	-50.0	234	1692.5	963.0	-50.0
235	1765.0	963.0	-50.0	236	1837.5	963.0	-50.0	237	2135.0	1406.3	242.5
238	1912.5	963.0	-50.0	239	1985.0	963.0	-50.0	240	2053.0	963.0	-50.0
241	2135.0	963.0	-50.0	242	2170.0	963.0	-50.0	243	690.0	1038.5	-50.0
244	725.0	1038.5	-50.0	245	797.5	1038.5	-50.0	246	870.0	1038.5	-50.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
247	942.5	1038.5	-50.0	248	1015.0	1038.5	-50.0	249	1087.5	1038.5	-50.0
250	1160.0	1038.5	-50.0	251	1232.5	1038.5	-50.0	252	1305.0	1038.5	-50.0
253	1390.0	1038.5	-50.0	254	1475.0	1038.5	-50.0	255	1547.5	1038.5	-50.0
256	1620.0	1038.5	-50.0	257	1692.5	1038.5	-50.0	258	1765.0	1038.5	-50.0
259	1837.5	1038.5	-50.0	260	725.0	1491.2	242.5	261	1912.5	1038.5	-50.0
262	1985.0	1038.5	-50.0	263	2060.0	1038.5	-50.0	264	2135.0	1038.5	-50.0
265	2170.0	1038.5	-50.0	266	690.0	1114.0	-50.0	267	725.0	1114.0	-50.0
268	800.0	1114.0	-50.0	269	870.0	1114.0	-50.0	270	942.5	1114.0	-50.0
271	1015.0	1114.0	-50.0	272	1087.5	1114.0	-50.0	273	1160.0	1114.0	-50.0
274	1208.5	1114.0	-50.0	275	1305.0	1114.0	-50.0	276	1390.0	1114.0	-50.0
277	1475.0	1114.0	-50.0	278	1547.5	1114.0	-50.0	279	1642.0	1114.0	-50.0
280	1692.5	1114.0	-50.0	281	1765.0	1114.0	-50.0	282	1837.5	1114.0	-50.0
283	1985.0	1491.2	242.5	284	1912.5	1114.0	-50.0	285	1985.0	1114.0	-50.0
286	2053.0	1114.0	-50.0	287	2135.0	1114.0	-50.0	288	2170.0	1114.0	-50.0
289	690.0	1189.5	-50.0	290	725.0	1189.5	-50.0	291	797.5	1189.5	-50.0
292	870.0	1189.5	-50.0	293	942.5	1189.5	-50.0	294	1015.0	1189.5	-50.0
295	1087.5	1189.5	-50.0	296	1160.0	1189.5	-50.0	297	1232.5	1189.5	-50.0
298	1305.0	1189.5	-50.0	299	1390.0	1189.5	-50.0	300	1475.0	1189.5	-50.0
301	1547.5	1189.5	-50.0	302	1620.0	1189.5	-50.0	303	1692.5	1189.5	-50.0
304	1765.0	1189.5	-50.0	305	1837.5	1189.5	-50.0	306	2060.0	1491.2	242.5
307	1912.5	1189.5	-50.0	308	1985.0	1189.5	-50.0	309	2060.0	1189.5	-50.0
310	2135.0	1189.5	-50.0	311	2170.0	1189.5	-50.0	312	690.0	1265.0	-50.0
313	725.0	1265.0	-50.0	314	797.5	1265.0	-50.0	315	870.0	1265.0	-50.0
316	942.5	1265.0	-50.0	317	1015.0	1265.0	-50.0	318	1087.5	1265.0	-50.0
319	1160.0	1265.0	-50.0	320	1232.5	1265.0	-50.0	321	1305.0	1265.0	-50.0
322	1390.0	1265.0	-50.0	323	1475.0	1265.0	-50.0	324	1547.5	1265.0	-50.0
325	1620.0	1265.0	-50.0	326	1692.5	1265.0	-50.0	327	1765.0	1265.0	-50.0
328	1837.5	1265.0	-50.0	329	2135.0	1491.2	242.5	330	1912.5	1265.0	-50.0
331	1985.0	1265.0	-50.0	332	2060.0	1265.0	-50.0	333	2135.0	1265.0	-50.0
334	2170.0	1265.0	-50.0	335	690.0	1335.7	-50.0	336	725.0	1335.7	-50.0
337	797.5	1335.7	-50.0	338	870.0	1335.7	-50.0	339	942.5	1335.7	-50.0
340	1015.0	1335.7	-50.0	341	1087.5	1335.7	-50.0	342	1160.0	1335.7	-50.0
343	1232.5	1335.7	-50.0	344	1305.0	1335.7	-50.0	345	1390.0	1335.7	-50.0
346	1475.0	1335.7	-50.0	347	1547.5	1335.7	-50.0	348	1620.0	1335.7	-50.0
349	1692.5	1335.7	-50.0	350	1765.0	1335.7	-50.0	351	1837.5	1335.7	-50.0
352	725.0	1576.0	242.5	353	1912.5	1335.7	-50.0	354	1985.0	1335.7	-50.0
355	2060.0	1335.7	-50.0	356	2135.0	1335.7	-50.0	357	2170.0	1335.7	-50.0
358	690.0	1406.3	-50.0	359	725.0	1406.3	-50.0	360	870.0	1406.3	-50.0
361	942.5	1406.3	-50.0	362	1015.0	1406.3	-50.0	363	1087.5	1406.3	-50.0
364	1160.0	1406.3	-50.0	365	1305.0	1406.3	-50.0	366	1390.0	1406.3	-50.0
367	1475.0	1406.3	-50.0	368	1547.5	1406.3	-50.0	369	1692.5	1406.3	-50.0
370	1765.0	1406.3	-50.0	371	1837.5	1406.3	-50.0	372	797.5	1576.0	242.5
373	1912.5	1406.3	-50.0	374	1985.0	1406.3	-50.0	375	2135.0	1406.3	-50.0
376	2170.0	1406.3	-50.0	377	800.0	1417.0	-50.0	378	1208.5	1417.0	-50.0
379	1642.0	1417.0	-50.0	380	2053.0	1417.0	-50.0	381	690.0	1491.2	-50.0
382	725.0	1491.2	-50.0	383	798.8	1491.2	-50.0	384	870.0	1491.2	-50.0
385	942.5	1491.2	-50.0	386	1015.0	1491.2	-50.0	387	1087.5	1491.2	-50.0
388	1160.0	1491.2	-50.0	389	1219.7	1491.2	-50.0	390	1305.0	1491.2	-50.0
391	1390.0	1491.2	-50.0	392	1475.0	1491.2	-50.0	393	1547.5	1491.2	-50.0
394	1631.7	1491.2	-50.0	395	1692.5	1491.2	-50.0	396	1765.0	1491.2	-50.0
397	1837.5	1491.2	-50.0	398	870.0	1576.0	242.5	399	1912.5	1491.2	-50.0
400	1985.0	1491.2	-50.0	401	2056.3	1491.2	-50.0	402	2135.0	1491.2	-50.0
403	2170.0	1491.2	-50.0	404	690.0	1576.0	-50.0	405	725.0	1576.0	-50.0
406	797.5	1576.0	-50.0	407	870.0	1576.0	-50.0	408	942.5	1576.0	-50.0
409	1015.0	1576.0	-50.0	410	1087.5	1576.0	-50.0	411	1160.0	1576.0	-50.0
412	1232.5	1576.0	-50.0	413	1305.0	1576.0	-50.0	414	1390.0	1576.0	-50.0
415	1475.0	1576.0	-50.0	416	1547.5	1576.0	-50.0	417	1620.0	1576.0	-50.0
418	1692.5	1576.0	-50.0	419	1765.0	1576.0	-50.0	420	1837.5	1576.0	-50.0
421	942.5	1576.0	242.5	422	1912.5	1576.0	-50.0	423	1985.0	1576.0	-50.0
424	2060.0	1576.0	-50.0	425	2135.0	1576.0	-50.0	426	2170.0	1576.0	-50.0
427	1390.0	1616.0	-50.0	428	1475.0	311.0	-50.0	429	1475.0	1616.0	-50.0
430	1547.5	311.0	-50.0	431	1547.5	1616.0	-50.0	432	1620.0	311.0	-50.0
433	1620.0	1616.0	-50.0	434	1692.5	311.0	-50.0	435	1692.5	1616.0	-50.0
436	1765.0	311.0	-50.0	437	1765.0	1616.0	-50.0	438	1837.5	311.0	-50.0
439	1837.5	1616.0	-50.0	440	1912.5	311.0	-50.0	441	1912.5	1616.0	-50.0
442	1985.0	311.0	-50.0	443	1985.0	1616.0	-50.0	444	2060.0	311.0	-50.0
445	2060.0	1616.0	-50.0	446	2135.0	311.0	-50.0	447	2135.0	1616.0	-50.0

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
448	2170.0	311.0	-50.0	449	2170.0	1616.0	-50.0	450	725.0	351.0	25.0
451	797.5	351.0	25.0	452	870.0	351.0	25.0	453	942.5	351.0	25.0
454	1015.0	351.0	25.0	455	1087.5	351.0	25.0	456	1160.0	351.0	25.0
457	1232.5	351.0	25.0	458	1305.0	351.0	25.0	459	1390.0	351.0	25.0
460	1475.0	351.0	25.0	461	1547.5	351.0	25.0	462	1620.0	351.0	25.0
463	1692.5	351.0	25.0	464	1765.0	351.0	25.0	465	1837.5	351.0	25.0
466	1015.0	1576.0	242.5	467	1912.5	351.0	25.0	468	1985.0	351.0	25.0
469	2060.0	351.0	25.0	470	2135.0	351.0	25.0	471	725.0	435.8	25.0
472	1985.0	435.8	25.0	473	2135.0	435.8	25.0	474	725.0	520.7	25.0
475	1985.0	520.7	25.0	476	2135.0	520.7	25.0	477	725.0	591.3	25.0
478	1985.0	591.3	25.0	479	2135.0	591.3	25.0	480	725.0	662.0	25.0
481	797.5	662.0	25.0	482	870.0	662.0	25.0	483	942.5	662.0	25.0
484	1015.0	662.0	25.0	485	1087.5	662.0	25.0	486	1160.0	662.0	25.0
487	1232.5	662.0	25.0	488	1305.0	662.0	25.0	489	1390.0	662.0	25.0
490	1475.0	662.0	25.0	491	1547.5	662.0	25.0	492	1620.0	662.0	25.0
493	1692.5	662.0	25.0	494	1765.0	662.0	25.0	495	1837.5	662.0	25.0
496	1087.5	1576.0	242.5	497	1912.5	662.0	25.0	498	1985.0	662.0	25.0
499	2135.0	662.0	25.0	500	725.0	737.2	25.0	501	1985.0	737.2	25.0
502	2135.0	737.2	25.0	503	725.0	812.5	25.0	504	1985.0	812.5	25.0
505	2135.0	812.5	25.0	506	725.0	887.8	25.0	507	1985.0	887.8	25.0
508	2135.0	887.8	25.0	509	725.0	963.0	25.0	510	797.5	963.0	25.0
511	870.0	963.0	25.0	512	942.5	963.0	25.0	513	1015.0	963.0	25.0
514	1087.5	963.0	25.0	515	1160.0	963.0	25.0	516	1232.5	963.0	25.0
517	1305.0	963.0	25.0	518	1390.0	963.0	25.0	519	1475.0	963.0	25.0
520	1547.5	963.0	25.0	521	1620.0	963.0	25.0	522	1692.5	963.0	25.0
523	1765.0	963.0	25.0	524	1837.5	963.0	25.0	525	1180.0	1576.0	242.5
526	1912.5	963.0	25.0	527	1985.0	963.0	25.0	528	2135.0	963.0	25.0
529	725.0	1038.5	25.0	530	1985.0	1038.5	25.0	531	2135.0	1038.5	25.0
532	725.0	1114.0	25.0	533	1985.0	1114.0	25.0	534	2135.0	1114.0	25.0
535	725.0	1189.5	25.0	536	1985.0	1189.5	25.0	537	2135.0	1189.5	25.0
538	725.0	1265.0	25.0	539	797.5	1265.0	25.0	540	870.0	1265.0	25.0
541	942.5	1265.0	25.0	542	1015.0	1265.0	25.0	543	1087.5	1265.0	25.0
544	1160.0	1265.0	25.0	545	1232.5	1265.0	25.0	546	1305.0	1265.0	25.0
547	1390.0	1265.0	25.0	548	1475.0	1265.0	25.0	549	1547.5	1265.0	25.0
550	1620.0	1265.0	25.0	551	1692.5	1265.0	25.0	552	1765.0	1265.0	25.0
553	1837.5	1265.0	25.0	554	1530.0	1576.0	242.5	555	1912.5	1265.0	25.0
556	1985.0	1265.0	25.0	557	2135.0	1265.0	25.0	558	725.0	1335.7	25.0
559	1985.0	1335.7	25.0	560	2135.0	1335.7	25.0	561	725.0	1406.3	25.0
562	1985.0	1406.3	25.0	563	2135.0	1406.3	25.0	564	725.0	1491.2	25.0
565	1985.0	1491.2	25.0	566	2135.0	1491.2	25.0	567	725.0	1576.0	25.0
568	797.5	1576.0	25.0	569	870.0	1576.0	25.0	570	942.5	1576.0	25.0
571	1015.0	1576.0	25.0	572	1087.5	1576.0	25.0	573	1180.0	1576.0	25.0
574	1232.5	1576.0	25.0	575	1305.0	1576.0	25.0	576	1390.0	1576.0	25.0
577	1475.0	1576.0	25.0	578	1530.0	1576.0	25.0	579	1620.0	1576.0	25.0
580	1692.5	1576.0	25.0	581	1765.0	1576.0	25.0	582	1837.5	1576.0	25.0
583	1620.0	1576.0	242.5	584	1912.5	1576.0	25.0	585	1985.0	1576.0	25.0
586	2135.0	1576.0	25.0	587	2028.0	1576.0	27.5	588	2060.0	1576.0	27.5
589	2092.0	1576.0	27.5	590	725.0	351.0	102.5	591	797.5	351.0	102.5
592	870.0	351.0	102.5	593	942.5	351.0	102.5	594	1015.0	351.0	102.5
595	1087.5	351.0	102.5	596	1160.0	351.0	102.5	597	1232.5	351.0	102.5
598	1305.0	351.0	102.5	599	1390.0	351.0	102.5	600	1475.0	351.0	102.5
601	1547.5	351.0	102.5	602	1620.0	351.0	102.5	603	1692.5	351.0	102.5
604	1765.0	351.0	102.5	605	1837.5	351.0	102.5	606	1692.5	1576.0	242.5
607	1912.5	351.0	102.5	608	1985.0	351.0	102.5	609	2060.0	351.0	102.5
610	2135.0	351.0	102.5	611	725.0	435.8	102.5	612	1985.0	435.8	102.5
613	2135.0	435.8	102.5	614	725.0	520.7	102.5	615	1985.0	520.7	102.5
616	2135.0	520.7	102.5	617	725.0	591.3	102.5	618	1985.0	591.3	102.5
619	2135.0	591.3	102.5	620	725.0	662.0	102.5	621	1985.0	662.0	102.5
622	2135.0	662.0	102.5	623	725.0	737.2	102.5	624	1985.0	737.2	102.5
625	2135.0	737.2	102.5	626	725.0	812.5	102.5	627	1985.0	812.5	102.5
628	2135.0	812.5	102.5	629	725.0	887.8	102.5	630	1985.0	887.8	102.5
631	2135.0	887.8	102.5	632	725.0	963.0	102.5	633	1985.0	963.0	102.5
634	2135.0	963.0	102.5	635	725.0	1038.5	102.5	636	1985.0	1038.5	102.5
637	2135.0	1038.5	102.5	638	725.0	1114.0	102.5	639	1985.0	1114.0	102.5
640	2135.0	1114.0	102.5	641	725.0	1189.5	102.5	642	1985.0	1189.5	102.5
643	2135.0	1189.5	102.5	644	725.0	1265.0	102.5	645	1985.0	1265.0	102.5
646	2135.0	1265.0	102.5	647	725.0	1335.7	102.5	648	1985.0	1335.7	102.5

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
649	2135.0	1335.7	102.5	650	725.0	1406.3	102.5	651	1985.0	1406.3	102.5
652	2135.0	1406.3	102.5	653	725.0	1491.2	102.5	654	1985.0	1491.2	102.5
655	2135.0	1491.2	102.5	656	725.0	1576.0	102.5	657	797.5	1576.0	102.5
658	870.0	1576.0	102.5	659	942.5	1576.0	102.5	660	1015.0	1576.0	102.5
661	1087.5	1576.0	102.5	662	1180.0	1576.0	102.5	663	1530.0	1576.0	102.5
664	1620.0	1576.0	102.5	665	1692.5	1576.0	102.5	666	1765.0	1576.0	102.5
667	1837.5	1576.0	102.5	668	1765.0	1576.0	242.5	669	1912.5	1576.0	102.5
670	1985.0	1576.0	102.5	671	2135.0	1576.0	102.5	672	2028.0	1576.0	107.5
673	2060.0	1576.0	107.5	674	2092.0	1576.0	107.5	675	725.0	351.0	180.0
676	797.5	351.0	180.0	677	870.0	351.0	180.0	678	942.5	351.0	180.0
679	1015.0	351.0	180.0	680	1087.5	351.0	180.0	681	1160.0	351.0	180.0
682	1232.5	351.0	180.0	683	1305.0	351.0	180.0	684	1390.0	351.0	180.0
685	1475.0	351.0	180.0	686	1547.5	351.0	180.0	687	1620.0	351.0	180.0
688	1692.5	351.0	180.0	689	1765.0	351.0	180.0	690	1837.5	351.0	180.0
691	1837.5	1576.0	242.5	692	1912.5	351.0	180.0	693	1985.0	351.0	180.0
694	2060.0	351.0	180.0	695	2135.0	351.0	180.0	696	725.0	435.8	180.0
697	1985.0	435.8	180.0	698	2135.0	435.8	180.0	699	725.0	520.7	180.0
700	1985.0	520.7	180.0	701	2135.0	520.7	180.0	702	725.0	591.3	180.0
703	1985.0	591.3	180.0	704	2135.0	591.3	180.0	705	725.0	662.0	180.0
706	1985.0	662.0	180.0	707	2135.0	662.0	180.0	708	725.0	737.2	180.0
709	1985.0	737.2	180.0	710	2135.0	737.2	180.0	711	725.0	812.5	180.0
712	1985.0	812.5	180.0	713	2135.0	812.5	180.0	714	725.0	887.8	180.0
715	1985.0	887.8	180.0	716	2135.0	887.8	180.0	717	725.0	963.0	180.0
718	1985.0	963.0	180.0	719	2135.0	963.0	180.0	720	725.0	1038.5	180.0
721	1985.0	1038.5	180.0	722	2135.0	1038.5	180.0	723	725.0	1114.0	180.0
724	1985.0	1114.0	180.0	725	2135.0	1114.0	180.0	726	725.0	1189.5	180.0
727	1985.0	1189.5	180.0	728	2135.0	1189.5	180.0	729	725.0	1265.0	180.0
730	1985.0	1265.0	180.0	731	2135.0	1265.0	180.0	732	725.0	1335.7	180.0
733	1985.0	1335.7	180.0	734	2135.0	1335.7	180.0	735	725.0	1406.3	180.0
736	1985.0	1406.3	180.0	737	2135.0	1406.3	180.0	738	725.0	1491.2	180.0
739	1985.0	1491.2	180.0	740	2135.0	1491.2	180.0	741	725.0	1576.0	180.0
742	797.5	1576.0	180.0	743	870.0	1576.0	180.0	744	942.5	1576.0	180.0
745	1015.0	1576.0	180.0	746	1087.5	1576.0	180.0	747	1180.0	1576.0	180.0
748	1530.0	1576.0	180.0	749	1620.0	1576.0	180.0	750	1692.5	1576.0	180.0
751	1765.0	1576.0	180.0	752	1837.5	1576.0	180.0	753	1985.0	1576.0	242.5
754	1912.5	1576.0	180.0	755	1985.0	1576.0	180.0	756	2060.0	1576.0	180.0
757	2135.0	1576.0	180.0	758	725.0	351.0	242.5	759	797.5	351.0	242.5
760	870.0	351.0	242.5	761	942.5	351.0	242.5	762	1015.0	351.0	242.5
763	1087.5	351.0	242.5	764	1160.0	351.0	242.5	765	1232.5	351.0	242.5
766	1305.0	351.0	242.5	767	1390.0	351.0	242.5	768	1475.0	351.0	242.5
769	1547.5	351.0	242.5	770	1620.0	351.0	242.5	771	1692.5	351.0	242.5
772	1765.0	351.0	242.5	773	1837.5	351.0	242.5	774	1912.5	1576.0	242.5
775	1912.5	351.0	242.5	776	1985.0	351.0	242.5	777	2060.0	351.0	242.5
778	2135.0	351.0	242.5	779	725.0	435.8	242.5	780	1985.0	435.8	242.5
781	2060.0	435.8	242.5	782	2135.0	435.8	242.5	783	725.0	520.7	242.5
784	1985.0	520.7	242.5	785	2060.0	520.7	242.5	786	2135.0	520.7	242.5
787	725.0	591.3	242.5	788	1985.0	591.3	242.5	789	2060.0	591.3	242.5
790	2135.0	591.3	242.5	791	725.0	662.0	242.5	792	1985.0	662.0	242.5
793	2060.0	662.0	242.5	794	2135.0	662.0	242.5	795	725.0	737.2	242.5
796	1985.0	737.2	242.5	797	2060.0	737.2	242.5	798	2135.0	737.2	242.5
799	725.0	812.5	242.5	800	1985.0	812.5	242.5	801	2060.0	812.5	242.5
802	2135.0	812.5	242.5	803	725.0	887.8	242.5	804	1985.0	887.8	242.5
805	2060.0	887.8	242.5	806	2135.0	887.8	242.5	807	725.0	963.0	242.5
808	1985.0	963.0	242.5	809	2060.0	963.0	242.5	810	2135.0	963.0	242.5
811	725.0	1038.5	242.5	812	1985.0	1038.5	242.5	813	2060.0	1038.5	242.5
814	2135.0	1038.5	242.5	815	725.0	1114.0	242.5	816	1985.0	1114.0	242.5
817	2060.0	1114.0	242.5	818	2135.0	1114.0	242.5	819	725.0	1189.5	242.5
820	1985.0	1189.5	242.5	821	2060.0	1189.5	242.5	822	2135.0	1189.5	242.5
823	725.0	1265.0	242.5	824	1985.0	1265.0	242.5	825	2060.0	1265.0	242.5

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
1	798.8	1491.2	-80.0	FS=4						
2	798.8	435.8	-75.0	FS=4						
3	1219.7	435.8	-75.0	FS=4						

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
4	1631.7	435.8	-75.0	FS=5						
5	2056.3	435.8	-75.0	FS=5						
6	797.5	963.0	-75.0	FS=4						
7	1208.5	963.0	-75.0	FS=4						
8	1642.0	963.0	-75.0	FS=5						
9	2053.0	963.0	-75.0	FS=5						
10	1219.7	1491.2	-75.0	FS=4						
11	1631.7	1491.2	-75.0	FS=5						
12	2056.3	1491.2	-75.0	FS=5						

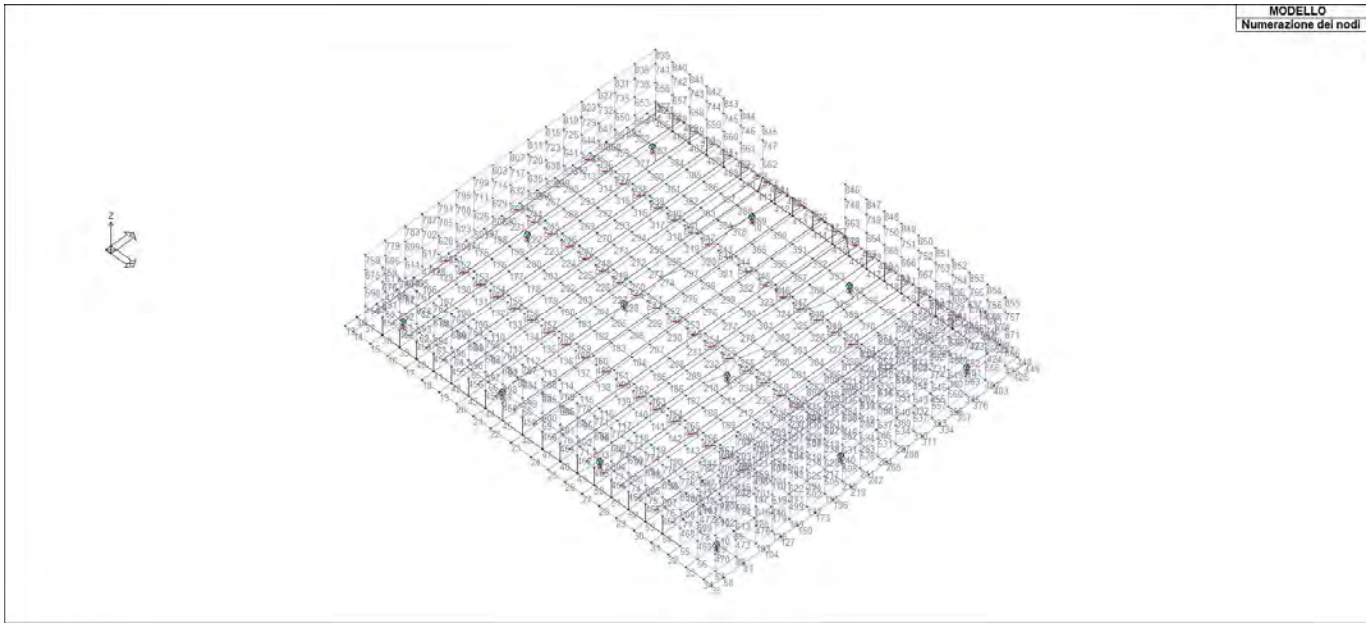
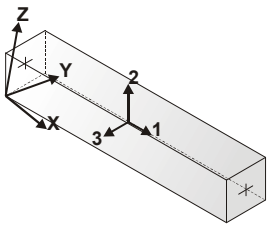
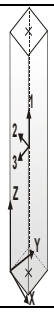


Figura 8 - MOD_NUMERAZIONE_NODI

7 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

7.1 TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.
Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.

 orientamento elementi 2D non verticali	 orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Crit.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O
							gradi			daN/cm3	daN/cm3
1	Pilas.	1	383	157	15	1			000011		
2	Pilas.	2	61	157	15	1			000011		
3	Pilas.	3	67	157	15	1			000011		
4	Pilas.	4	72	157	15	1			000011		
5	Pilas.	5	79	157	15	1			000011		
6	Pilas.	6	222	157	15	1			000011		
7	Pilas.	7	228	157	15	1			000011		
8	Pilas.	8	233	157	15	1			000011		
9	Pilas.	9	240	157	15	1			000011		
10	Pilas.	10	389	157	15	1			000011		
11	Pilas.	11	394	157	15	1			000011		
12	Pilas.	12	401	157	15	1			000011		
13	Trave	572	573	5	1	3					
14	Trave	573	574	5	1	3					
15	Trave	574	575	5	1	3					
16	Trave	575	576	5	1	3					
17	Trave	576	577	5	1	3					
18	Trave	577	578	5	1	3					
19	Trave	578	579	5	1	3					

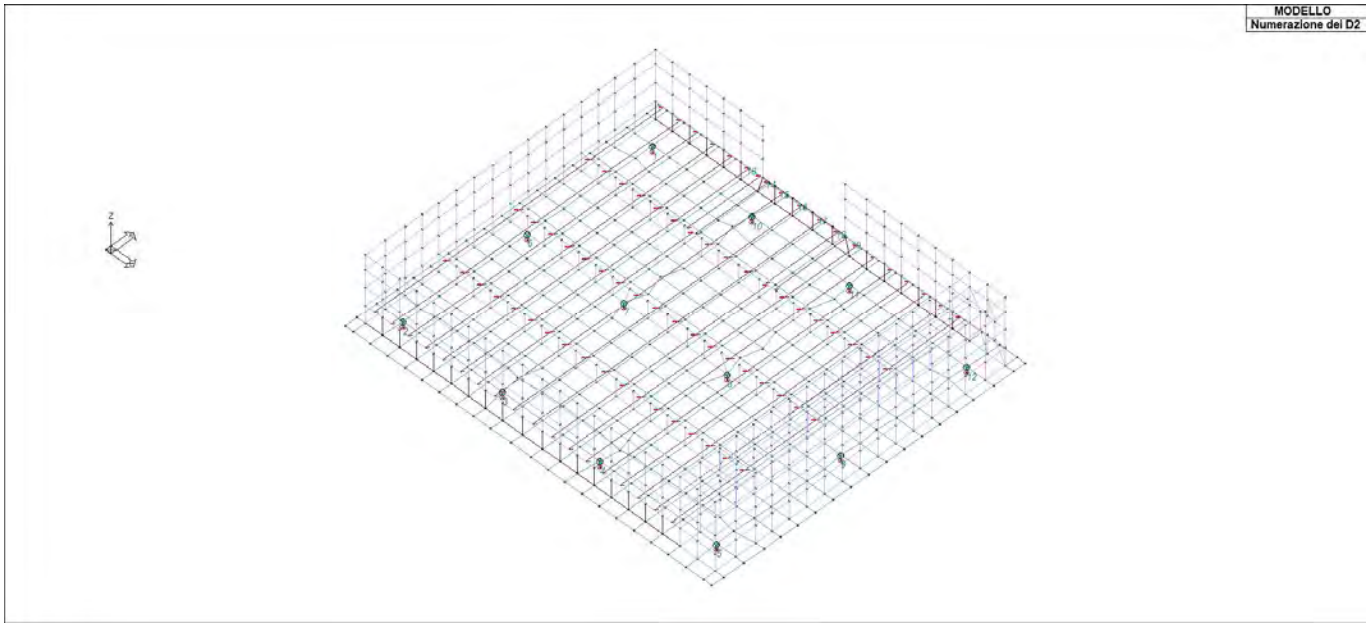


Figura 9 - MOD_NUMERAZIONE_D2

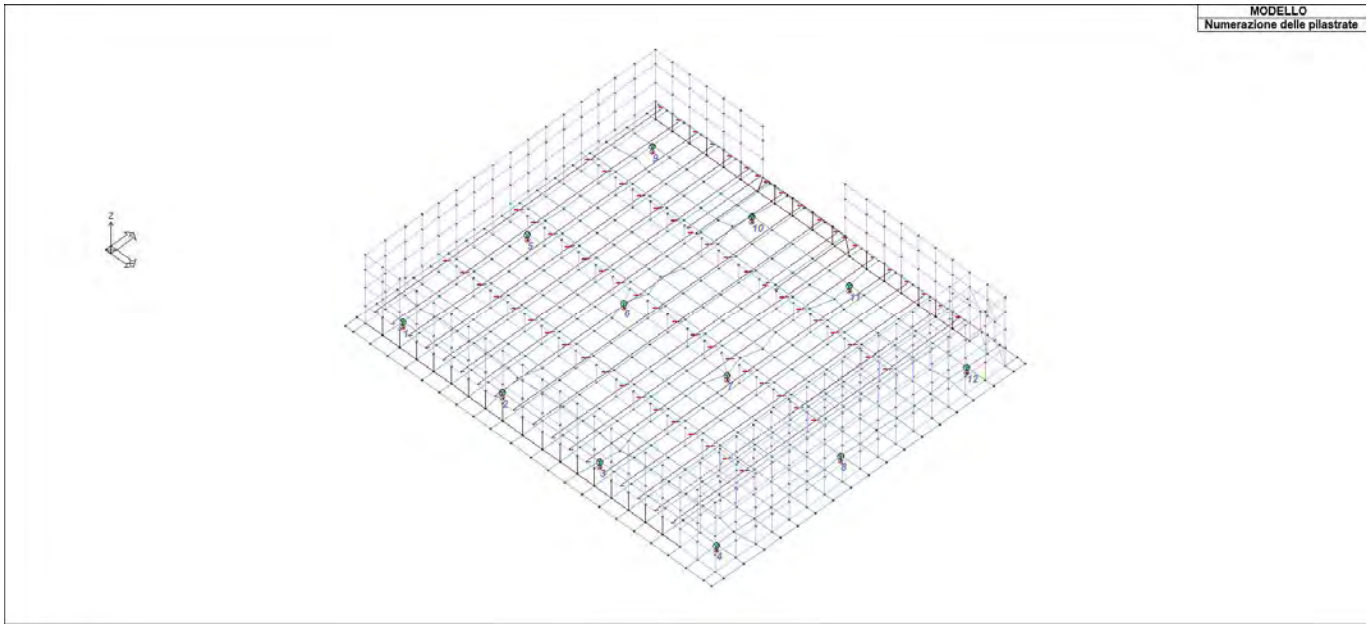


Figura 10 - MOD_NUMERAZIONE_D2_PILASTRATE

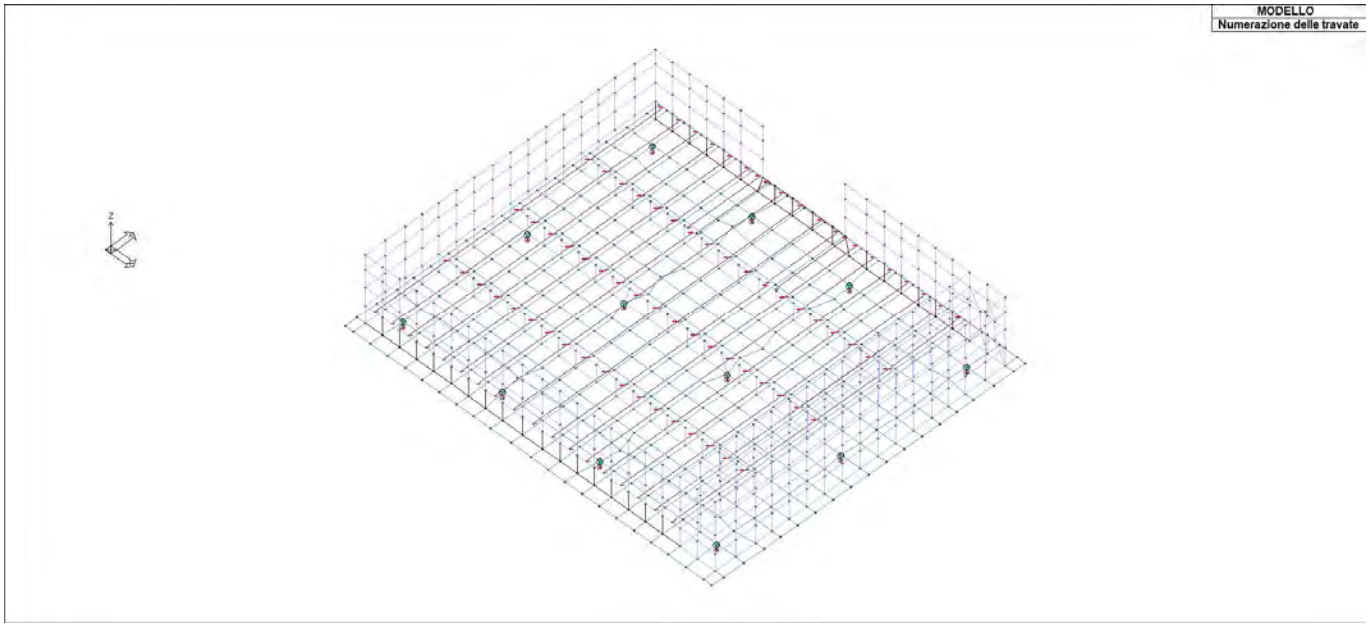
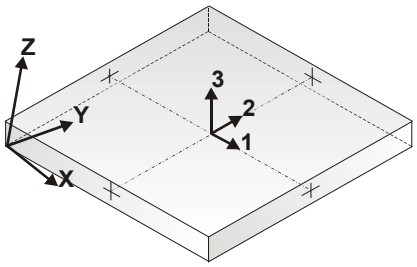


Figura 11 - MOD_NUMERAZIONE_D2_TRAVATE

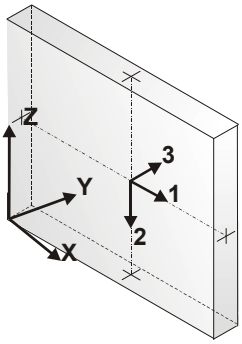
8 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

8.1 LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.
Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: *Guscio* (elemento guscio in elevazione non verticale) *Guscio fond.* (elemento guscio su suolo elastico) *Setto* (elemento guscio in elevazione verticale) *Membrana* (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
								cm		daN/cm3	daN/cm3
1	Guscio fond.	15	17	37	36	5	8	70.0		0.60	0.30
2	Guscio fond.	17	19	38	37	5	8	70.0		0.60	0.30
3	Guscio fond.	19	21	39	38	5	8	70.0		0.60	0.30
4	Guscio fond.	21	23	40	39	5	8	70.0		0.60	0.30
5	Guscio fond.	23	25	41	40	5	8	70.0		0.60	0.30
6	Guscio fond.	25	27	42	41	5	8	70.0		0.60	0.30
7	Guscio fond.	27	29	43	42	5	8	70.0		0.60	0.30
8	Guscio fond.	29	31	44	43	5	8	70.0		0.60	0.30
9	Guscio fond.	31	33	45	44	5	8	70.0		0.60	0.30
10	Guscio fond.	33	35	46	45	5	8	70.0		0.60	0.30
11	Guscio fond.	35	428	47	46	5	8	70.0		0.60	0.30
12	Guscio fond.	428	430	48	47	5	8	70.0		0.60	0.30
13	Guscio fond.	430	432	49	48	5	8	70.0		0.60	0.30
14	Guscio fond.	432	434	50	49	5	8	70.0		0.60	0.30
15	Guscio fond.	434	436	51	50	5	8	70.0		0.60	0.30
16	Guscio fond.	436	438	52	51	5	8	70.0		0.60	0.30
17	Guscio	804	805	809	808	5	10	30.0			
18	Guscio fond.	438	440	54	52	5	8	70.0		0.60	0.30
19	Guscio fond.	440	442	55	54	5	8	70.0		0.60	0.30
20	Guscio fond.	442	444	56	55	5	8	70.0		0.60	0.30
21	Guscio fond.	444	446	57	56	5	8	70.0		0.60	0.30
22	Guscio fond.	446	448	58	57	5	8	70.0		0.60	0.30
23	Guscio fond.	36	37	60	59	5	8	70.0		0.60	0.30
24	Guscio fond.	37	38	61	60	5	8	70.0		0.60	0.30
25	Guscio fond.	38	39	62	61	5	8	70.0		0.60	0.30
26	Guscio fond.	39	40	63	62	5	8	70.0		0.60	0.30
27	Guscio fond.	40	41	64	63	5	8	70.0		0.60	0.30
28	Guscio fond.	41	42	65	64	5	8	70.0		0.60	0.30
29	Guscio fond.	42	43	66	65	5	8	70.0		0.60	0.30
30	Guscio fond.	43	44	67	66	5	8	70.0		0.60	0.30
31	Guscio fond.	44	45	68	67	5	8	70.0		0.60	0.30
32	Guscio fond.	45	46	69	68	5	8	70.0		0.60	0.30
33	Guscio fond.	46	47	70	69	5	8	70.0		0.60	0.30
34	Guscio fond.	47	48	71	70	5	8	70.0		0.60	0.30
35	Guscio fond.	48	49	72	71	5	8	70.0		0.60	0.30
36	Guscio fond.	49	50	73	72	5	8	70.0		0.60	0.30
37	Guscio fond.	50	51	74	73	5	8	70.0		0.60	0.30
38	Guscio fond.	51	52	75	74	5	8	70.0		0.60	0.30
39	Guscio	805	806	810	809	5	10	30.0			
40	Guscio fond.	52	54	77	75	5	8	70.0		0.60	0.30
41	Guscio fond.	54	55	78	77	5	8	70.0		0.60	0.30
42	Guscio fond.	55	56	79	78	5	8	70.0		0.60	0.30
43	Guscio fond.	56	57	80	79	5	8	70.0		0.60	0.30
44	Guscio fond.	57	58	81	80	5	8	70.0		0.60	0.30
45	Guscio fond.	60	61	82	87	5	8	70.0		0.60	0.30
46	Guscio fond.	61	62	88	82	5	8	70.0		0.60	0.30
47	Guscio fond.	66	67	83	92	5	8	70.0		0.60	0.30
48	Guscio fond.	67	68	93	83	5	8	70.0		0.60	0.30
49	Guscio fond.	71	72	84	96	5	8	70.0		0.60	0.30
50	Guscio fond.	72	73	97	84	5	8	70.0		0.60	0.30
51	Guscio fond.	78	79	85	102	5	8	70.0		0.60	0.30
52	Guscio fond.	79	80	103	85	5	8	70.0		0.60	0.30
53	Guscio fond.	59	60	87	86	5	8	70.0		0.60	0.30
54	Guscio fond.	62	63	89	88	5	8	70.0		0.60	0.30
55	Guscio fond.	63	64	90	89	5	8	70.0		0.60	0.30
56	Guscio fond.	64	65	91	90	5	8	70.0		0.60	0.30
57	Guscio fond.	65	66	92	91	5	8	70.0		0.60	0.30
58	Guscio fond.	68	69	94	93	5	8	70.0		0.60	0.30
59	Guscio fond.	69	70	95	94	5	8	70.0		0.60	0.30
60	Guscio fond.	70	71	96	95	5	8	70.0		0.60	0.30
61	Guscio fond.	73	74	98	97	5	8	70.0		0.60	0.30
62	Guscio fond.	74	75	99	98	5	8	70.0		0.60	0.30

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
63	Guscio	808	809	813	812	5	10	30.0			
64	Guscio fond.	75	77	101	99	5	8	70.0		0.60	0.30
65	Guscio fond.	77	78	102	101	5	8	70.0		0.60	0.30
66	Guscio fond.	80	81	104	103	5	8	70.0		0.60	0.30
67	Guscio fond.	87	82	107	106	5	8	70.0		0.60	0.30
68	Guscio fond.	82	88	108	107	5	8	70.0		0.60	0.30
69	Guscio fond.	92	83	113	112	5	8	70.0		0.60	0.30
70	Guscio fond.	83	93	114	113	5	8	70.0		0.60	0.30
71	Guscio fond.	96	84	118	117	5	8	70.0		0.60	0.30
72	Guscio fond.	84	97	119	118	5	8	70.0		0.60	0.30
73	Guscio fond.	102	85	125	124	5	8	70.0		0.60	0.30
74	Guscio fond.	85	103	126	125	5	8	70.0		0.60	0.30
75	Guscio fond.	86	87	106	105	5	8	70.0		0.60	0.30
76	Guscio fond.	88	89	109	108	5	8	70.0		0.60	0.30
77	Guscio fond.	89	90	110	109	5	8	70.0		0.60	0.30
78	Guscio fond.	90	91	111	110	5	8	70.0		0.60	0.30
79	Guscio fond.	91	92	112	111	5	8	70.0		0.60	0.30
80	Guscio fond.	93	94	115	114	5	8	70.0		0.60	0.30
81	Guscio fond.	94	95	116	115	5	8	70.0		0.60	0.30
82	Guscio fond.	95	96	117	116	5	8	70.0		0.60	0.30
83	Guscio fond.	97	98	120	119	5	8	70.0		0.60	0.30
84	Guscio fond.	98	99	121	120	5	8	70.0		0.60	0.30
85	Guscio	809	810	814	813	5	10	30.0			
86	Guscio fond.	99	101	123	121	5	8	70.0		0.60	0.30
87	Guscio fond.	101	102	124	123	5	8	70.0		0.60	0.30
88	Guscio fond.	103	104	127	126	5	8	70.0		0.60	0.30
89	Guscio fond.	105	106	129	128	5	8	70.0		0.60	0.30
90	Guscio fond.	106	107	130	129	5	8	70.0		0.60	0.30
91	Guscio fond.	107	108	131	130	5	8	70.0		0.60	0.30
92	Guscio fond.	108	109	132	131	5	8	70.0		0.60	0.30
93	Guscio fond.	109	110	133	132	5	8	70.0		0.60	0.30
94	Guscio fond.	110	111	134	133	5	8	70.0		0.60	0.30
95	Guscio fond.	111	112	135	134	5	8	70.0		0.60	0.30
96	Guscio fond.	112	113	136	135	5	8	70.0		0.60	0.30
97	Guscio fond.	113	114	137	136	5	8	70.0		0.60	0.30
98	Guscio fond.	114	115	138	137	5	8	70.0		0.60	0.30
99	Guscio fond.	115	116	139	138	5	8	70.0		0.60	0.30
100	Guscio fond.	116	117	140	139	5	8	70.0		0.60	0.30
101	Guscio fond.	117	118	141	140	5	8	70.0		0.60	0.30
102	Guscio fond.	118	119	142	141	5	8	70.0		0.60	0.30
103	Guscio fond.	119	120	143	142	5	8	70.0		0.60	0.30
104	Guscio fond.	120	121	144	143	5	8	70.0		0.60	0.30
105	Guscio	812	813	817	816	5	10	30.0			
106	Guscio fond.	121	123	146	144	5	8	70.0		0.60	0.30
107	Guscio fond.	123	124	147	146	5	8	70.0		0.60	0.30
108	Guscio fond.	124	125	148	147	5	8	70.0		0.60	0.30
109	Guscio fond.	125	126	149	148	5	8	70.0		0.60	0.30
110	Guscio fond.	126	127	150	149	5	8	70.0		0.60	0.30
111	Guscio fond.	128	129	152	151	5	8	70.0		0.60	0.30
112	Guscio fond.	129	130	153	152	5	8	70.0		0.60	0.30
113	Guscio fond.	130	131	154	153	5	8	70.0		0.60	0.30
114	Guscio fond.	131	132	155	154	5	8	70.0		0.60	0.30
115	Guscio fond.	132	133	156	155	5	8	70.0		0.60	0.30
116	Guscio fond.	133	134	157	156	5	8	70.0		0.60	0.30
117	Guscio fond.	134	135	158	157	5	8	70.0		0.60	0.30
118	Guscio fond.	135	136	159	158	5	8	70.0		0.60	0.30
119	Guscio fond.	136	137	160	159	5	8	70.0		0.60	0.30
120	Guscio fond.	137	138	161	160	5	8	70.0		0.60	0.30
121	Guscio fond.	138	139	162	161	5	8	70.0		0.60	0.30
122	Guscio fond.	139	140	163	162	5	8	70.0		0.60	0.30
123	Guscio fond.	140	141	164	163	5	8	70.0		0.60	0.30
124	Guscio fond.	141	142	165	164	5	8	70.0		0.60	0.30
125	Guscio fond.	142	143	166	165	5	8	70.0		0.60	0.30
126	Guscio fond.	143	144	167	166	5	8	70.0		0.60	0.30
127	Guscio	813	814	818	817	5	10	30.0			
128	Guscio fond.	144	146	169	167	5	8	70.0		0.60	0.30
129	Guscio fond.	146	147	170	169	5	8	70.0		0.60	0.30

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
130	Guscio fond.	147	148	171	170	5	8	70.0		0.60	0.30
131	Guscio fond.	148	149	172	171	5	8	70.0		0.60	0.30
132	Guscio fond.	149	150	173	172	5	8	70.0		0.60	0.30
133	Guscio fond.	151	152	175	174	5	8	70.0		0.60	0.30
134	Guscio fond.	152	153	176	175	5	8	70.0		0.60	0.30
135	Guscio fond.	153	154	177	176	5	8	70.0		0.60	0.30
136	Guscio fond.	154	155	178	177	5	8	70.0		0.60	0.30
137	Guscio fond.	155	156	179	178	5	8	70.0		0.60	0.30
138	Guscio fond.	156	157	180	179	5	8	70.0		0.60	0.30
139	Guscio fond.	157	158	181	180	5	8	70.0		0.60	0.30
140	Guscio fond.	158	159	182	181	5	8	70.0		0.60	0.30
141	Guscio fond.	159	160	183	182	5	8	70.0		0.60	0.30
142	Guscio fond.	160	161	184	183	5	8	70.0		0.60	0.30
143	Guscio fond.	161	162	185	184	5	8	70.0		0.60	0.30
144	Guscio fond.	162	163	186	185	5	8	70.0		0.60	0.30
145	Guscio fond.	163	164	187	186	5	8	70.0		0.60	0.30
146	Guscio fond.	164	165	188	187	5	8	70.0		0.60	0.30
147	Guscio fond.	165	166	189	188	5	8	70.0		0.60	0.30
148	Guscio fond.	166	167	190	189	5	8	70.0		0.60	0.30
149	Guscio	816	817	821	820	5	10	30.0			
150	Guscio fond.	167	169	192	190	5	8	70.0		0.60	0.30
151	Guscio fond.	169	170	193	192	5	8	70.0		0.60	0.30
152	Guscio fond.	170	171	194	193	5	8	70.0		0.60	0.30
153	Guscio fond.	171	172	195	194	5	8	70.0		0.60	0.30
154	Guscio fond.	172	173	196	195	5	8	70.0		0.60	0.30
155	Guscio fond.	174	175	198	197	5	8	70.0		0.60	0.30
156	Guscio fond.	175	176	199	198	5	8	70.0		0.60	0.30
157	Guscio fond.	176	177	200	199	5	8	70.0		0.60	0.30
158	Guscio fond.	177	178	201	200	5	8	70.0		0.60	0.30
159	Guscio fond.	178	179	202	201	5	8	70.0		0.60	0.30
160	Guscio fond.	179	180	203	202	5	8	70.0		0.60	0.30
161	Guscio fond.	180	181	204	203	5	8	70.0		0.60	0.30
162	Guscio fond.	181	182	205	204	5	8	70.0		0.60	0.30
163	Guscio fond.	182	183	206	205	5	8	70.0		0.60	0.30
164	Guscio fond.	183	184	207	206	5	8	70.0		0.60	0.30
165	Guscio fond.	184	185	208	207	5	8	70.0		0.60	0.30
166	Guscio fond.	185	186	209	208	5	8	70.0		0.60	0.30
167	Guscio fond.	186	187	210	209	5	8	70.0		0.60	0.30
168	Guscio fond.	187	188	211	210	5	8	70.0		0.60	0.30
169	Guscio fond.	188	189	212	211	5	8	70.0		0.60	0.30
170	Guscio fond.	189	190	213	212	5	8	70.0		0.60	0.30
171	Guscio	817	818	822	821	5	10	30.0			
172	Guscio fond.	190	192	215	213	5	8	70.0		0.60	0.30
173	Guscio fond.	192	193	216	215	5	8	70.0		0.60	0.30
174	Guscio fond.	193	194	217	216	5	8	70.0		0.60	0.30
175	Guscio fond.	194	195	218	217	5	8	70.0		0.60	0.30
176	Guscio fond.	195	196	219	218	5	8	70.0		0.60	0.30
177	Guscio fond.	197	198	221	220	5	8	70.0		0.60	0.30
178	Guscio fond.	198	199	222	221	5	8	70.0		0.60	0.30
179	Guscio fond.	199	200	223	222	5	8	70.0		0.60	0.30
180	Guscio fond.	200	201	224	223	5	8	70.0		0.60	0.30
181	Guscio fond.	201	202	225	224	5	8	70.0		0.60	0.30
182	Guscio fond.	202	203	226	225	5	8	70.0		0.60	0.30
183	Guscio fond.	203	204	227	226	5	8	70.0		0.60	0.30
184	Guscio fond.	204	205	228	227	5	8	70.0		0.60	0.30
185	Guscio fond.	205	206	229	228	5	8	70.0		0.60	0.30
186	Guscio fond.	206	207	230	229	5	8	70.0		0.60	0.30
187	Guscio fond.	207	208	231	230	5	8	70.0		0.60	0.30
188	Guscio fond.	208	209	232	231	5	8	70.0		0.60	0.30
189	Guscio fond.	209	210	233	232	5	8	70.0		0.60	0.30
190	Guscio fond.	210	211	234	233	5	8	70.0		0.60	0.30
191	Guscio fond.	211	212	235	234	5	8	70.0		0.60	0.30
192	Guscio fond.	212	213	236	235	5	8	70.0		0.60	0.30
193	Guscio	820	821	825	824	5	10	30.0			
194	Guscio fond.	213	215	238	236	5	8	70.0		0.60	0.30
195	Guscio fond.	215	216	239	238	5	8	70.0		0.60	0.30
196	Guscio fond.	216	217	240	239	5	8	70.0		0.60	0.30

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
197	Guscio fond.	217	218	241	240	5	8	70.0		0.60	0.30
198	Guscio fond.	218	219	242	241	5	8	70.0		0.60	0.30
199	Guscio fond.	220	221	244	243	5	8	70.0		0.60	0.30
200	Guscio fond.	221	222	245	244	5	8	70.0		0.60	0.30
201	Guscio fond.	222	223	246	245	5	8	70.0		0.60	0.30
202	Guscio fond.	223	224	247	246	5	8	70.0		0.60	0.30
203	Guscio fond.	224	225	248	247	5	8	70.0		0.60	0.30
204	Guscio fond.	225	226	249	248	5	8	70.0		0.60	0.30
205	Guscio fond.	226	227	250	249	5	8	70.0		0.60	0.30
206	Guscio fond.	227	228	251	250	5	8	70.0		0.60	0.30
207	Guscio fond.	228	229	252	251	5	8	70.0		0.60	0.30
208	Guscio fond.	229	230	253	252	5	8	70.0		0.60	0.30
209	Guscio fond.	230	231	254	253	5	8	70.0		0.60	0.30
210	Guscio fond.	231	232	255	254	5	8	70.0		0.60	0.30
211	Guscio fond.	232	233	256	255	5	8	70.0		0.60	0.30
212	Guscio fond.	233	234	257	256	5	8	70.0		0.60	0.30
213	Guscio fond.	234	235	258	257	5	8	70.0		0.60	0.30
214	Guscio fond.	235	236	259	258	5	8	70.0		0.60	0.30
215	Guscio	821	822	53	825	5	10	30.0			
216	Guscio fond.	236	238	261	259	5	8	70.0		0.60	0.30
217	Guscio fond.	238	239	262	261	5	8	70.0		0.60	0.30
218	Guscio fond.	239	240	263	262	5	8	70.0		0.60	0.30
219	Guscio fond.	240	241	264	263	5	8	70.0		0.60	0.30
220	Guscio fond.	241	242	265	264	5	8	70.0		0.60	0.30
221	Guscio fond.	243	244	267	266	5	8	70.0		0.60	0.30
222	Guscio fond.	244	245	268	267	5	8	70.0		0.60	0.30
223	Guscio fond.	245	246	269	268	5	8	70.0		0.60	0.30
224	Guscio fond.	246	247	270	269	5	8	70.0		0.60	0.30
225	Guscio fond.	247	248	271	270	5	8	70.0		0.60	0.30
226	Guscio fond.	248	249	272	271	5	8	70.0		0.60	0.30
227	Guscio fond.	249	250	273	272	5	8	70.0		0.60	0.30
228	Guscio fond.	250	251	274	273	5	8	70.0		0.60	0.30
229	Guscio fond.	251	252	275	274	5	8	70.0		0.60	0.30
230	Guscio fond.	252	253	276	275	5	8	70.0		0.60	0.30
231	Guscio fond.	253	254	277	276	5	8	70.0		0.60	0.30
232	Guscio fond.	254	255	278	277	5	8	70.0		0.60	0.30
233	Guscio fond.	255	256	279	278	5	8	70.0		0.60	0.30
234	Guscio fond.	256	257	280	279	5	8	70.0		0.60	0.30
235	Guscio fond.	257	258	281	280	5	8	70.0		0.60	0.30
236	Guscio fond.	258	259	282	281	5	8	70.0		0.60	0.30
237	Guscio	824	825	122	100	5	10	30.0			
238	Guscio fond.	259	261	284	282	5	8	70.0		0.60	0.30
239	Guscio fond.	261	262	285	284	5	8	70.0		0.60	0.30
240	Guscio fond.	262	263	286	285	5	8	70.0		0.60	0.30
241	Guscio fond.	263	264	287	286	5	8	70.0		0.60	0.30
242	Guscio fond.	264	265	288	287	5	8	70.0		0.60	0.30
243	Guscio fond.	266	267	290	289	5	8	70.0		0.60	0.30
244	Guscio fond.	267	268	291	290	5	8	70.0		0.60	0.30
245	Guscio fond.	268	269	292	291	5	8	70.0		0.60	0.30
246	Guscio fond.	269	270	293	292	5	8	70.0		0.60	0.30
247	Guscio fond.	270	271	294	293	5	8	70.0		0.60	0.30
248	Guscio fond.	271	272	295	294	5	8	70.0		0.60	0.30
249	Guscio fond.	272	273	296	295	5	8	70.0		0.60	0.30
250	Guscio fond.	273	274	297	296	5	8	70.0		0.60	0.30
251	Guscio fond.	274	275	298	297	5	8	70.0		0.60	0.30
252	Guscio fond.	275	276	299	298	5	8	70.0		0.60	0.30
253	Guscio fond.	276	277	300	299	5	8	70.0		0.60	0.30
254	Guscio fond.	277	278	301	300	5	8	70.0		0.60	0.30
255	Guscio fond.	278	279	302	301	5	8	70.0		0.60	0.30
256	Guscio fond.	279	280	303	302	5	8	70.0		0.60	0.30
257	Guscio fond.	280	281	304	303	5	8	70.0		0.60	0.30
258	Guscio fond.	281	282	305	304	5	8	70.0		0.60	0.30
259	Guscio	825	53	145	122	5	10	30.0			
260	Guscio fond.	282	284	307	305	5	8	70.0		0.60	0.30
261	Guscio fond.	284	285	308	307	5	8	70.0		0.60	0.30
262	Guscio fond.	285	286	309	308	5	8	70.0		0.60	0.30
263	Guscio fond.	286	287	310	309	5	8	70.0		0.60	0.30

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
264	Guscio fond.	287	288	311	310	5	8	70.0		0.60	0.30
265	Guscio fond.	289	290	313	312	5	8	70.0		0.60	0.30
266	Guscio fond.	290	291	314	313	5	8	70.0		0.60	0.30
267	Guscio fond.	291	292	315	314	5	8	70.0		0.60	0.30
268	Guscio fond.	292	293	316	315	5	8	70.0		0.60	0.30
269	Guscio fond.	293	294	317	316	5	8	70.0		0.60	0.30
270	Guscio fond.	294	295	318	317	5	8	70.0		0.60	0.30
271	Guscio fond.	295	296	319	318	5	8	70.0		0.60	0.30
272	Guscio fond.	296	297	320	319	5	8	70.0		0.60	0.30
273	Guscio fond.	297	298	321	320	5	8	70.0		0.60	0.30
274	Guscio fond.	298	299	322	321	5	8	70.0		0.60	0.30
275	Guscio fond.	299	300	323	322	5	8	70.0		0.60	0.30
276	Guscio fond.	300	301	324	323	5	8	70.0		0.60	0.30
277	Guscio fond.	301	302	325	324	5	8	70.0		0.60	0.30
278	Guscio fond.	302	303	326	325	5	8	70.0		0.60	0.30
279	Guscio fond.	303	304	327	326	5	8	70.0		0.60	0.30
280	Guscio fond.	304	305	328	327	5	8	70.0		0.60	0.30
281	Guscio	100	122	214	191	5	10	30.0			
282	Guscio fond.	305	307	330	328	5	8	70.0		0.60	0.30
283	Guscio fond.	307	308	331	330	5	8	70.0		0.60	0.30
284	Guscio fond.	308	309	332	331	5	8	70.0		0.60	0.30
285	Guscio fond.	309	310	333	332	5	8	70.0		0.60	0.30
286	Guscio fond.	310	311	334	333	5	8	70.0		0.60	0.30
287	Guscio fond.	312	313	336	335	5	8	70.0		0.60	0.30
288	Guscio fond.	313	314	337	336	5	8	70.0		0.60	0.30
289	Guscio fond.	314	315	338	337	5	8	70.0		0.60	0.30
290	Guscio fond.	315	316	339	338	5	8	70.0		0.60	0.30
291	Guscio fond.	316	317	340	339	5	8	70.0		0.60	0.30
292	Guscio fond.	317	318	341	340	5	8	70.0		0.60	0.30
293	Guscio fond.	318	319	342	341	5	8	70.0		0.60	0.30
294	Guscio fond.	319	320	343	342	5	8	70.0		0.60	0.30
295	Guscio fond.	320	321	344	343	5	8	70.0		0.60	0.30
296	Guscio fond.	321	322	345	344	5	8	70.0		0.60	0.30
297	Guscio fond.	322	323	346	345	5	8	70.0		0.60	0.30
298	Guscio fond.	323	324	347	346	5	8	70.0		0.60	0.30
299	Guscio fond.	324	325	348	347	5	8	70.0		0.60	0.30
300	Guscio fond.	325	326	349	348	5	8	70.0		0.60	0.30
301	Guscio fond.	326	327	350	349	5	8	70.0		0.60	0.30
302	Guscio fond.	327	328	351	350	5	8	70.0		0.60	0.30
303	Guscio	122	145	237	214	5	10	30.0			
304	Guscio fond.	328	330	353	351	5	8	70.0		0.60	0.30
305	Guscio fond.	330	331	354	353	5	8	70.0		0.60	0.30
306	Guscio fond.	331	332	355	354	5	8	70.0		0.60	0.30
307	Guscio fond.	332	333	356	355	5	8	70.0		0.60	0.30
308	Guscio fond.	333	334	357	356	5	8	70.0		0.60	0.30
309	Guscio fond.	335	336	359	358	5	8	70.0		0.60	0.30
310	Guscio fond.	338	339	361	360	5	8	70.0		0.60	0.30
311	Guscio fond.	339	340	362	361	5	8	70.0		0.60	0.30
312	Guscio fond.	340	341	363	362	5	8	70.0		0.60	0.30
313	Guscio fond.	341	342	364	363	5	8	70.0		0.60	0.30
314	Guscio fond.	344	345	366	365	5	8	70.0		0.60	0.30
315	Guscio fond.	345	346	367	366	5	8	70.0		0.60	0.30
316	Guscio fond.	346	347	368	367	5	8	70.0		0.60	0.30
317	Guscio fond.	349	350	370	369	5	8	70.0		0.60	0.30
318	Guscio fond.	350	351	371	370	5	8	70.0		0.60	0.30
319	Guscio	191	214	306	283	5	10	30.0			
320	Guscio fond.	351	353	373	371	5	8	70.0		0.60	0.30
321	Guscio fond.	353	354	374	373	5	8	70.0		0.60	0.30
322	Guscio fond.	356	357	376	375	5	8	70.0		0.60	0.30
323	Guscio fond.	336	337	377	359	5	8	70.0		0.60	0.30
324	Guscio fond.	337	338	360	377	5	8	70.0		0.60	0.30
325	Guscio fond.	342	343	378	364	5	8	70.0		0.60	0.30
326	Guscio fond.	343	344	365	378	5	8	70.0		0.60	0.30
327	Guscio fond.	347	348	379	368	5	8	70.0		0.60	0.30
328	Guscio fond.	348	349	369	379	5	8	70.0		0.60	0.30
329	Guscio fond.	354	355	380	374	5	8	70.0		0.60	0.30
330	Guscio fond.	355	356	375	380	5	8	70.0		0.60	0.30

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
331	Guscio fond.	358	359	382	381	5	8	70.0		0.60	0.30
332	Guscio fond.	360	361	385	384	5	8	70.0		0.60	0.30
333	Guscio fond.	361	362	386	385	5	8	70.0		0.60	0.30
334	Guscio fond.	362	363	387	386	5	8	70.0		0.60	0.30
335	Guscio fond.	363	364	388	387	5	8	70.0		0.60	0.30
336	Guscio fond.	365	366	391	390	5	8	70.0		0.60	0.30
337	Guscio fond.	366	367	392	391	5	8	70.0		0.60	0.30
338	Guscio fond.	367	368	393	392	5	8	70.0		0.60	0.30
339	Guscio fond.	369	370	396	395	5	8	70.0		0.60	0.30
340	Guscio fond.	370	371	397	396	5	8	70.0		0.60	0.30
341	Guscio	214	237	329	306	5	10	30.0			
342	Guscio fond.	371	373	399	397	5	8	70.0		0.60	0.30
343	Guscio fond.	373	374	400	399	5	8	70.0		0.60	0.30
344	Guscio fond.	375	376	403	402	5	8	70.0		0.60	0.30
345	Guscio fond.	359	377	383	382	5	8	70.0		0.60	0.30
346	Guscio fond.	377	360	384	383	5	8	70.0		0.60	0.30
347	Guscio fond.	364	378	389	388	5	8	70.0		0.60	0.30
348	Guscio fond.	378	365	390	389	5	8	70.0		0.60	0.30
349	Guscio fond.	368	379	394	393	5	8	70.0		0.60	0.30
350	Guscio fond.	379	369	395	394	5	8	70.0		0.60	0.30
351	Guscio fond.	374	380	401	400	5	8	70.0		0.60	0.30
352	Guscio fond.	380	375	402	401	5	8	70.0		0.60	0.30
353	Guscio fond.	381	382	405	404	5	8	70.0		0.60	0.30
354	Guscio fond.	382	383	406	405	5	8	70.0		0.60	0.30
355	Guscio fond.	383	384	407	406	5	8	70.0		0.60	0.30
356	Guscio fond.	384	385	408	407	5	8	70.0		0.60	0.30
357	Guscio fond.	385	386	409	408	5	8	70.0		0.60	0.30
358	Guscio fond.	386	387	410	409	5	8	70.0		0.60	0.30
359	Guscio fond.	387	388	411	410	5	8	70.0		0.60	0.30
360	Guscio fond.	388	389	412	411	5	8	70.0		0.60	0.30
361	Guscio fond.	389	390	413	412	5	8	70.0		0.60	0.30
362	Guscio fond.	390	391	414	413	5	8	70.0		0.60	0.30
363	Guscio fond.	391	392	415	414	5	8	70.0		0.60	0.30
364	Guscio fond.	392	393	416	415	5	8	70.0		0.60	0.30
365	Guscio fond.	393	394	417	416	5	8	70.0		0.60	0.30
366	Guscio fond.	394	395	418	417	5	8	70.0		0.60	0.30
367	Guscio fond.	395	396	419	418	5	8	70.0		0.60	0.30
368	Guscio fond.	396	397	420	419	5	8	70.0		0.60	0.30
369	Guscio	283	306	13	753	5	10	30.0			
370	Guscio fond.	397	399	422	420	5	8	70.0		0.60	0.30
371	Guscio fond.	399	400	423	422	5	8	70.0		0.60	0.30
372	Guscio fond.	400	401	424	423	5	8	70.0		0.60	0.30
373	Guscio fond.	401	402	425	424	5	8	70.0		0.60	0.30
374	Guscio fond.	402	403	426	425	5	8	70.0		0.60	0.30
375	Guscio fond.	404	405	18	16	5	8	70.0		0.60	0.30
376	Guscio fond.	405	406	20	18	5	8	70.0		0.60	0.30
377	Guscio fond.	406	407	22	20	5	8	70.0		0.60	0.30
378	Guscio fond.	407	408	24	22	5	8	70.0		0.60	0.30
379	Guscio fond.	408	409	26	24	5	8	70.0		0.60	0.30
380	Guscio fond.	409	410	28	26	5	8	70.0		0.60	0.30
381	Guscio fond.	410	411	30	28	5	8	70.0		0.60	0.30
382	Guscio fond.	411	412	32	30	5	8	70.0		0.60	0.30
383	Guscio fond.	412	413	34	32	5	8	70.0		0.60	0.30
384	Guscio fond.	413	414	427	34	5	8	70.0		0.60	0.30
385	Guscio fond.	414	415	429	427	5	8	70.0		0.60	0.30
386	Guscio fond.	415	416	431	429	5	8	70.0		0.60	0.30
387	Guscio fond.	416	417	433	431	5	8	70.0		0.60	0.30
388	Guscio fond.	417	418	435	433	5	8	70.0		0.60	0.30
389	Guscio fond.	418	419	437	435	5	8	70.0		0.60	0.30
390	Guscio fond.	419	420	439	437	5	8	70.0		0.60	0.30
391	Guscio	306	329	14	13	5	10	30.0			
392	Guscio fond.	420	422	441	439	5	8	70.0		0.60	0.30
393	Guscio fond.	422	423	443	441	5	8	70.0		0.60	0.30
394	Guscio fond.	423	424	445	443	5	8	70.0		0.60	0.30
395	Guscio fond.	424	425	447	445	5	8	70.0		0.60	0.30
396	Guscio fond.	425	426	449	447	5	8	70.0		0.60	0.30
397	Setto	423	587	424		5	10	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
398	Setto	450	451	38	37	5	12	40.0			
399	Setto	451	452	39	38	5	12	40.0			
400	Setto	452	453	40	39	5	12	40.0			
401	Setto	453	454	41	40	5	12	40.0			
402	Setto	454	455	42	41	5	12	40.0			
403	Setto	455	456	43	42	5	12	40.0			
404	Setto	456	457	44	43	5	12	40.0			
405	Setto	457	458	45	44	5	12	40.0			
406	Setto	458	459	46	45	5	12	40.0			
407	Setto	459	460	47	46	5	12	40.0			
408	Setto	460	461	48	47	5	12	40.0			
409	Setto	461	462	49	48	5	12	40.0			
410	Setto	462	463	50	49	5	12	40.0			
411	Setto	463	464	51	50	5	12	40.0			
412	Setto	464	465	52	51	5	12	40.0			
413	Guscio	796	797	801	800	5	10	30.0			
414	Setto	465	467	54	52	5	12	40.0			
415	Setto	467	468	55	54	5	12	40.0			
416	Setto	468	469	56	55	5	10	30.0			
417	Setto	469	470	57	56	5	10	30.0			
418	Setto	37	60	471	450	5	13	30.0			
419	Setto	55	78	472	468	5	10	30.0			
420	Setto	57	80	473	470	5	10	30.0			
421	Setto	60	87	474	471	5	13	30.0			
422	Setto	78	102	475	472	5	10	30.0			
423	Setto	80	103	476	473	5	10	30.0			
424	Setto	87	106	477	474	5	13	30.0			
425	Setto	102	124	478	475	5	10	30.0			
426	Setto	103	126	479	476	5	10	30.0			
427	Setto	106	129	480	477	5	13	30.0			
428	Setto	124	147	498	478	5	10	30.0			
429	Setto	126	149	499	479	5	10	30.0			
430	Setto	480	481	130	129	5	11	30.0			
431	Setto	481	482	131	130	5	11	30.0			
432	Setto	482	483	132	131	5	11	30.0			
433	Setto	483	484	133	132	5	11	30.0			
434	Setto	484	485	134	133	5	11	30.0			
435	Setto	485	486	135	134	5	11	30.0			
436	Setto	486	487	136	135	5	11	30.0			
437	Setto	487	488	137	136	5	11	30.0			
438	Setto	488	489	138	137	5	11	30.0			
439	Setto	489	490	139	138	5	11	30.0			
440	Setto	490	491	140	139	5	11	30.0			
441	Setto	491	492	141	140	5	11	30.0			
442	Setto	492	493	142	141	5	11	30.0			
443	Setto	493	494	143	142	5	11	30.0			
444	Setto	494	495	144	143	5	11	30.0			
445	Guscio	797	798	802	801	5	10	30.0			
446	Setto	495	497	146	144	5	11	30.0			
447	Setto	497	498	147	146	5	11	30.0			
448	Setto	129	152	500	480	5	13	30.0			
449	Setto	147	170	501	498	5	10	30.0			
450	Setto	149	172	502	499	5	10	30.0			
451	Setto	152	175	503	500	5	13	30.0			
452	Setto	170	193	504	501	5	10	30.0			
453	Setto	172	195	505	502	5	10	30.0			
454	Setto	175	198	506	503	5	13	30.0			
455	Setto	193	216	507	504	5	10	30.0			
456	Setto	195	218	508	505	5	10	30.0			
457	Setto	198	221	509	506	5	13	30.0			
458	Setto	216	239	527	507	5	10	30.0			
459	Setto	218	241	528	508	5	10	30.0			
460	Setto	509	510	222	221	5	11	30.0			
461	Setto	510	511	223	222	5	11	30.0			
462	Setto	511	512	224	223	5	11	30.0			
463	Setto	512	513	225	224	5	11	30.0			
464	Setto	513	514	226	225	5	11	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
465	Setto	514	515	227	226	5	11	30.0			
466	Setto	515	516	228	227	5	11	30.0			
467	Setto	516	517	229	228	5	11	30.0			
468	Setto	517	518	230	229	5	11	30.0			
469	Setto	518	519	231	230	5	11	30.0			
470	Setto	519	520	232	231	5	11	30.0			
471	Setto	520	521	233	232	5	11	30.0			
472	Setto	521	522	234	233	5	11	30.0			
473	Setto	522	523	235	234	5	11	30.0			
474	Setto	523	524	236	235	5	11	30.0			
475	Guscio	800	801	805	804	5	10	30.0			
476	Setto	524	526	238	236	5	11	30.0			
477	Setto	526	527	239	238	5	11	30.0			
478	Setto	221	244	529	509	5	13	30.0			
479	Setto	239	262	530	527	5	10	30.0			
480	Setto	241	264	531	528	5	10	30.0			
481	Setto	244	267	532	529	5	13	30.0			
482	Setto	262	285	533	530	5	10	30.0			
483	Setto	264	287	534	531	5	10	30.0			
484	Setto	267	290	535	532	5	13	30.0			
485	Setto	285	308	536	533	5	10	30.0			
486	Setto	287	310	537	534	5	10	30.0			
487	Setto	290	313	538	535	5	13	30.0			
488	Setto	308	331	556	536	5	10	30.0			
489	Setto	310	333	557	537	5	10	30.0			
490	Setto	538	539	314	313	5	11	30.0			
491	Setto	539	540	315	314	5	11	30.0			
492	Setto	540	541	316	315	5	11	30.0			
493	Setto	541	542	317	316	5	11	30.0			
494	Setto	542	543	318	317	5	11	30.0			
495	Setto	543	544	319	318	5	11	30.0			
496	Setto	544	545	320	319	5	11	30.0			
497	Setto	545	546	321	320	5	11	30.0			
498	Setto	546	547	322	321	5	11	30.0			
499	Setto	547	548	323	322	5	11	30.0			
500	Setto	548	549	324	323	5	11	30.0			
501	Setto	549	550	325	324	5	11	30.0			
502	Setto	550	551	326	325	5	11	30.0			
503	Setto	551	552	327	326	5	11	30.0			
504	Setto	552	553	328	327	5	11	30.0			
505	Guscio	801	802	806	805	5	10	30.0			
506	Setto	553	555	330	328	5	11	30.0			
507	Setto	555	556	331	330	5	11	30.0			
508	Setto	313	336	558	538	5	13	30.0			
509	Setto	331	354	559	556	5	10	30.0			
510	Setto	333	356	560	557	5	10	30.0			
511	Setto	336	359	561	558	5	13	30.0			
512	Setto	354	374	562	559	5	10	30.0			
513	Setto	356	375	563	560	5	10	30.0			
514	Setto	359	382	564	561	5	13	30.0			
515	Setto	374	400	565	562	5	10	30.0			
516	Setto	375	402	566	563	5	10	30.0			
517	Setto	382	405	567	564	5	13	30.0			
518	Setto	400	423	585	565	5	10	30.0			
519	Setto	402	425	586	566	5	10	30.0			
520	Setto	567	568	406	405	5	12	40.0			
521	Setto	568	569	407	406	5	12	40.0			
522	Setto	569	570	408	407	5	12	40.0			
523	Setto	570	571	409	408	5	12	40.0			
524	Setto	571	572	410	409	5	12	40.0			
525	Setto	572	573	411	410	5	12	40.0			
526	Setto	573	574	412	411	5	12	40.0			
527	Setto	574	575	413	412	5	12	40.0			
528	Setto	575	576	414	413	5	12	40.0			
529	Setto	576	577	415	414	5	12	40.0			
530	Setto	577	578	416	415	5	12	40.0			
531	Setto	578	579	417	416	5	12	40.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
532	Setto	579	580	418	417	5	12	40.0			
533	Setto	580	581	419	418	5	12	40.0			
534	Setto	581	582	420	419	5	12	40.0			
535	Guscio	788	789	793	792	5	10	30.0			
536	Setto	582	584	422	420	5	12	40.0			
537	Setto	584	585	423	422	5	12	40.0			
538	Setto	588	589	425	424	5	10	30.0			
539	Setto	585	587	423		5	10	30.0			
540	Setto	589	586	425		5	10	30.0			
541	Setto	587	588	424		5	10	30.0			
542	Setto	590	591	451	450	5	9	30.0			
543	Setto	591	592	452	451	5	9	30.0			
544	Setto	592	593	453	452	5	9	30.0			
545	Setto	593	594	454	453	5	9	30.0			
546	Setto	594	595	455	454	5	9	30.0			
547	Setto	595	596	456	455	5	9	30.0			
548	Setto	596	597	457	456	5	9	30.0			
549	Setto	597	598	458	457	5	9	30.0			
550	Setto	598	599	459	458	5	9	30.0			
551	Setto	599	600	460	459	5	9	30.0			
552	Setto	600	601	461	460	5	9	30.0			
553	Setto	601	602	462	461	5	9	30.0			
554	Setto	602	603	463	462	5	9	30.0			
555	Setto	603	604	464	463	5	9	30.0			
556	Setto	604	605	465	464	5	9	30.0			
557	Guscio	793	794	798	797	5	10	30.0			
558	Setto	605	607	467	465	5	9	30.0			
559	Setto	607	608	468	467	5	9	30.0			
560	Setto	608	609	469	468	5	10	30.0			
561	Setto	609	610	470	469	5	10	30.0			
562	Setto	450	471	611	590	5	13	30.0			
563	Setto	468	472	612	608	5	10	30.0			
564	Setto	470	473	613	610	5	10	30.0			
565	Setto	471	474	614	611	5	13	30.0			
566	Setto	472	475	615	612	5	10	30.0			
567	Setto	473	476	616	613	5	10	30.0			
568	Setto	474	477	617	614	5	13	30.0			
569	Setto	475	478	618	615	5	10	30.0			
570	Setto	476	479	619	616	5	10	30.0			
571	Setto	477	480	620	617	5	13	30.0			
572	Setto	478	498	621	618	5	10	30.0			
573	Setto	479	499	622	619	5	10	30.0			
574	Setto	480	500	623	620	5	13	30.0			
575	Setto	498	501	624	621	5	10	30.0			
576	Setto	499	502	625	622	5	10	30.0			
577	Setto	500	503	626	623	5	13	30.0			
578	Setto	501	504	627	624	5	10	30.0			
579	Setto	502	505	628	625	5	10	30.0			
580	Setto	503	506	629	626	5	13	30.0			
581	Setto	504	507	630	627	5	10	30.0			
582	Setto	505	508	631	628	5	10	30.0			
583	Setto	506	509	632	629	5	13	30.0			
584	Setto	507	527	633	630	5	10	30.0			
585	Setto	508	528	634	631	5	10	30.0			
586	Setto	509	529	635	632	5	13	30.0			
587	Setto	527	530	636	633	5	10	30.0			
588	Setto	528	531	637	634	5	10	30.0			
589	Setto	529	532	638	635	5	13	30.0			
590	Setto	530	533	639	636	5	10	30.0			
591	Setto	531	534	640	637	5	10	30.0			
592	Setto	532	535	641	638	5	13	30.0			
593	Setto	533	536	642	639	5	10	30.0			
594	Setto	534	537	643	640	5	10	30.0			
595	Setto	535	538	644	641	5	13	30.0			
596	Setto	536	556	645	642	5	10	30.0			
597	Setto	537	557	646	643	5	10	30.0			
598	Setto	538	558	647	644	5	13	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
599	Setto	556	559	648	645	5	10	30.0			
600	Setto	557	560	649	646	5	10	30.0			
601	Setto	558	561	650	647	5	13	30.0			
602	Setto	559	562	651	648	5	10	30.0			
603	Setto	560	563	652	649	5	10	30.0			
604	Setto	561	564	653	650	5	13	30.0			
605	Setto	562	565	654	651	5	10	30.0			
606	Setto	563	566	655	652	5	10	30.0			
607	Setto	564	567	656	653	5	13	30.0			
608	Setto	565	585	670	654	5	10	30.0			
609	Setto	566	586	671	655	5	10	30.0			
610	Setto	656	657	568	567	5	9	30.0			
611	Setto	657	658	569	568	5	9	30.0			
612	Setto	658	659	570	569	5	9	30.0			
613	Setto	659	660	571	570	5	9	30.0			
614	Setto	660	661	572	571	5	9	30.0			
615	Setto	661	662	573	572	5	9	30.0			
616	Setto	663	664	579	578	5	9	30.0			
617	Setto	664	665	580	579	5	9	30.0			
618	Setto	665	666	581	580	5	9	30.0			
619	Setto	666	667	582	581	5	9	30.0			
620	Guscio	785	786	790	789	5	10	30.0			
621	Setto	667	669	584	582	5	9	30.0			
622	Setto	669	670	585	584	5	9	30.0			
623	Setto	670	672	587	585	5	10	30.0			
624	Setto	674	671	586	589	5	10	30.0			
625	Setto	670	755	672		5	10	30.0			
626	Setto	674	757	671		5	10	30.0			
627	Setto	673	756	674		5	10	30.0			
628	Setto	675	676	591	590	5	9	30.0			
629	Setto	676	677	592	591	5	9	30.0			
630	Setto	677	678	593	592	5	9	30.0			
631	Setto	678	679	594	593	5	9	30.0			
632	Setto	679	680	595	594	5	9	30.0			
633	Setto	680	681	596	595	5	9	30.0			
634	Setto	681	682	597	596	5	9	30.0			
635	Setto	682	683	598	597	5	9	30.0			
636	Setto	683	684	599	598	5	9	30.0			
637	Setto	684	685	600	599	5	9	30.0			
638	Setto	685	686	601	600	5	9	30.0			
639	Setto	686	687	602	601	5	9	30.0			
640	Setto	687	688	603	602	5	9	30.0			
641	Setto	688	689	604	603	5	9	30.0			
642	Setto	689	690	605	604	5	9	30.0			
643	Guscio	792	793	797	796	5	10	30.0			
644	Setto	690	692	607	605	5	9	30.0			
645	Setto	692	693	608	607	5	9	30.0			
646	Setto	693	694	609	608	5	10	30.0			
647	Setto	694	695	610	609	5	10	30.0			
648	Setto	590	611	696	675	5	13	30.0			
649	Setto	608	612	697	693	5	10	30.0			
650	Setto	610	613	698	695	5	10	30.0			
651	Setto	611	614	699	696	5	13	30.0			
652	Setto	612	615	700	697	5	10	30.0			
653	Setto	613	616	701	698	5	10	30.0			
654	Setto	614	617	702	699	5	13	30.0			
655	Setto	615	618	703	700	5	10	30.0			
656	Setto	616	619	704	701	5	10	30.0			
657	Setto	617	620	705	702	5	13	30.0			
658	Setto	618	621	706	703	5	10	30.0			
659	Setto	619	622	707	704	5	10	30.0			
660	Setto	620	623	708	705	5	13	30.0			
661	Setto	621	624	709	706	5	10	30.0			
662	Setto	622	625	710	707	5	10	30.0			
663	Setto	623	626	711	708	5	13	30.0			
664	Setto	624	627	712	709	5	10	30.0			
665	Setto	625	628	713	710	5	10	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
666	Setto	626	629	714	711	5	13	30.0			
667	Setto	627	630	715	712	5	10	30.0			
668	Setto	628	631	716	713	5	10	30.0			
669	Setto	629	632	717	714	5	13	30.0			
670	Setto	630	633	718	715	5	10	30.0			
671	Setto	631	634	719	716	5	10	30.0			
672	Setto	632	635	720	717	5	13	30.0			
673	Setto	633	636	721	718	5	10	30.0			
674	Setto	634	637	722	719	5	10	30.0			
675	Setto	635	638	723	720	5	13	30.0			
676	Setto	636	639	724	721	5	10	30.0			
677	Setto	637	640	725	722	5	10	30.0			
678	Setto	638	641	726	723	5	13	30.0			
679	Setto	639	642	727	724	5	10	30.0			
680	Setto	640	643	728	725	5	10	30.0			
681	Setto	641	644	729	726	5	13	30.0			
682	Setto	642	645	730	727	5	10	30.0			
683	Setto	643	646	731	728	5	10	30.0			
684	Setto	644	647	732	729	5	13	30.0			
685	Setto	645	648	733	730	5	10	30.0			
686	Setto	646	649	734	731	5	10	30.0			
687	Setto	647	650	735	732	5	13	30.0			
688	Setto	648	651	736	733	5	10	30.0			
689	Setto	649	652	737	734	5	10	30.0			
690	Setto	650	653	738	735	5	13	30.0			
691	Setto	651	654	739	736	5	10	30.0			
692	Setto	652	655	740	737	5	10	30.0			
693	Setto	653	656	741	738	5	13	30.0			
694	Setto	654	670	755	739	5	10	30.0			
695	Setto	655	671	757	740	5	10	30.0			
696	Setto	741	742	657	656	5	9	30.0			
697	Setto	742	743	658	657	5	9	30.0			
698	Setto	743	744	659	658	5	9	30.0			
699	Setto	744	745	660	659	5	9	30.0			
700	Setto	745	746	661	660	5	9	30.0			
701	Setto	746	747	662	661	5	9	30.0			
702	Setto	748	749	664	663	5	9	30.0			
703	Setto	749	750	665	664	5	9	30.0			
704	Setto	750	751	666	665	5	9	30.0			
705	Setto	751	752	667	666	5	9	30.0			
706	Guscio	784	785	789	788	5	10	30.0			
707	Setto	752	754	669	667	5	9	30.0			
708	Setto	754	755	670	669	5	9	30.0			
709	Setto	755	756	673	672	5	10	30.0			
710	Setto	756	757	674		5	10	30.0			
711	Setto	758	759	676	675	5	9	30.0			
712	Setto	759	760	677	676	5	9	30.0			
713	Setto	760	761	678	677	5	9	30.0			
714	Setto	761	762	679	678	5	9	30.0			
715	Setto	762	763	680	679	5	9	30.0			
716	Setto	763	764	681	680	5	9	30.0			
717	Setto	764	765	682	681	5	9	30.0			
718	Setto	765	766	683	682	5	9	30.0			
719	Setto	766	767	684	683	5	9	30.0			
720	Setto	767	768	685	684	5	9	30.0			
721	Setto	768	769	686	685	5	9	30.0			
722	Setto	769	770	687	686	5	9	30.0			
723	Setto	770	771	688	687	5	9	30.0			
724	Setto	771	772	689	688	5	9	30.0			
725	Setto	772	773	690	689	5	9	30.0			
726	Guscio	789	790	794	793	5	10	30.0			
727	Setto	773	775	692	690	5	9	30.0			
728	Setto	775	776	693	692	5	9	30.0			
729	Setto	776	777	694	693	5	10	30.0			
730	Setto	777	778	695	694	5	10	30.0			
731	Setto	675	696	779	758	5	13	30.0			
732	Setto	693	697	780	776	5	10	30.0			

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Crit.	Spessore	Svincolo	Wink V	Wink O
733	Setto	695	698	782	778	5	10	30.0			
734	Setto	696	699	783	779	5	13	30.0			
735	Setto	697	700	784	780	5	10	30.0			
736	Setto	698	701	786	782	5	10	30.0			
737	Setto	699	702	787	783	5	13	30.0			
738	Setto	700	703	788	784	5	10	30.0			
739	Setto	701	704	790	786	5	10	30.0			
740	Setto	702	705	791	787	5	13	30.0			
741	Setto	703	706	792	788	5	10	30.0			
742	Setto	704	707	794	790	5	10	30.0			
743	Setto	705	708	795	791	5	13	30.0			
744	Setto	706	709	796	792	5	10	30.0			
745	Setto	707	710	798	794	5	10	30.0			
746	Setto	708	711	799	795	5	13	30.0			
747	Setto	709	712	800	796	5	10	30.0			
748	Setto	710	713	802	798	5	10	30.0			
749	Setto	711	714	803	799	5	13	30.0			
750	Setto	712	715	804	800	5	10	30.0			
751	Setto	713	716	806	802	5	10	30.0			
752	Setto	714	717	807	803	5	13	30.0			
753	Setto	715	718	808	804	5	10	30.0			
754	Setto	716	719	810	806	5	10	30.0			
755	Setto	717	720	811	807	5	13	30.0			
756	Setto	718	721	812	808	5	10	30.0			
757	Setto	719	722	814	810	5	10	30.0			
758	Setto	720	723	815	811	5	13	30.0			
759	Setto	721	724	816	812	5	10	30.0			
760	Setto	722	725	818	814	5	10	30.0			
761	Setto	723	726	819	815	5	13	30.0			
762	Setto	724	727	820	816	5	10	30.0			
763	Setto	725	728	822	818	5	10	30.0			
764	Setto	726	729	823	819	5	13	30.0			
765	Setto	727	730	824	820	5	10	30.0			
766	Setto	728	731	53	822	5	10	30.0			
767	Setto	729	732	76	823	5	13	30.0			
768	Setto	730	733	100	824	5	10	30.0			
769	Setto	731	734	145	53	5	10	30.0			
770	Setto	732	735	168	76	5	13	30.0			
771	Setto	733	736	191	100	5	10	30.0			
772	Setto	734	737	237	145	5	10	30.0			
773	Setto	735	738	260	168	5	13	30.0			
774	Setto	736	739	283	191	5	10	30.0			
775	Setto	737	740	329	237	5	10	30.0			
776	Setto	738	741	352	260	5	13	30.0			
777	Setto	739	755	753	283	5	10	30.0			
778	Setto	740	757	14	329	5	10	30.0			
779	Setto	352	372	742	741	5	9	30.0			
780	Setto	372	398	743	742	5	9	30.0			
781	Setto	398	421	744	743	5	9	30.0			
782	Setto	421	466	745	744	5	9	30.0			
783	Setto	466	496	746	745	5	9	30.0			
784	Setto	496	525	747	746	5	9	30.0			
785	Setto	554	583	749	748	5	9	30.0			
786	Setto	583	606	750	749	5	9	30.0			
787	Setto	606	668	751	750	5	9	30.0			
788	Setto	668	691	752	751	5	9	30.0			
789	Guscio	781	782	786	785	5	10	30.0			
790	Setto	691	774	754	752	5	9	30.0			
791	Setto	774	753	755	754	5	9	30.0			
792	Setto	753	13	756	755	5	10	30.0			
793	Setto	13	14	757	756	5	10	30.0			
794	Guscio	776	777	781	780	5	10	30.0			
795	Guscio	777	778	782	781	5	10	30.0			
796	Guscio	780	781	785	784	5	10	30.0			

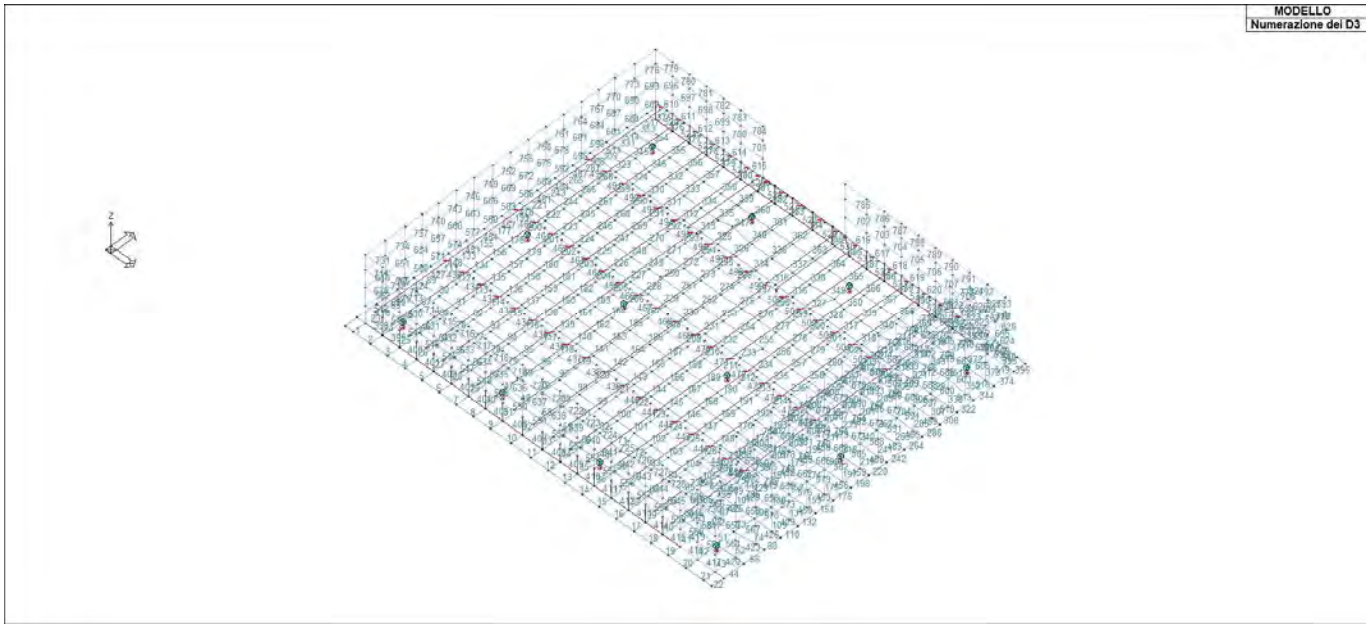


Figura 12 - MOD_NUMERAZIONE_D3

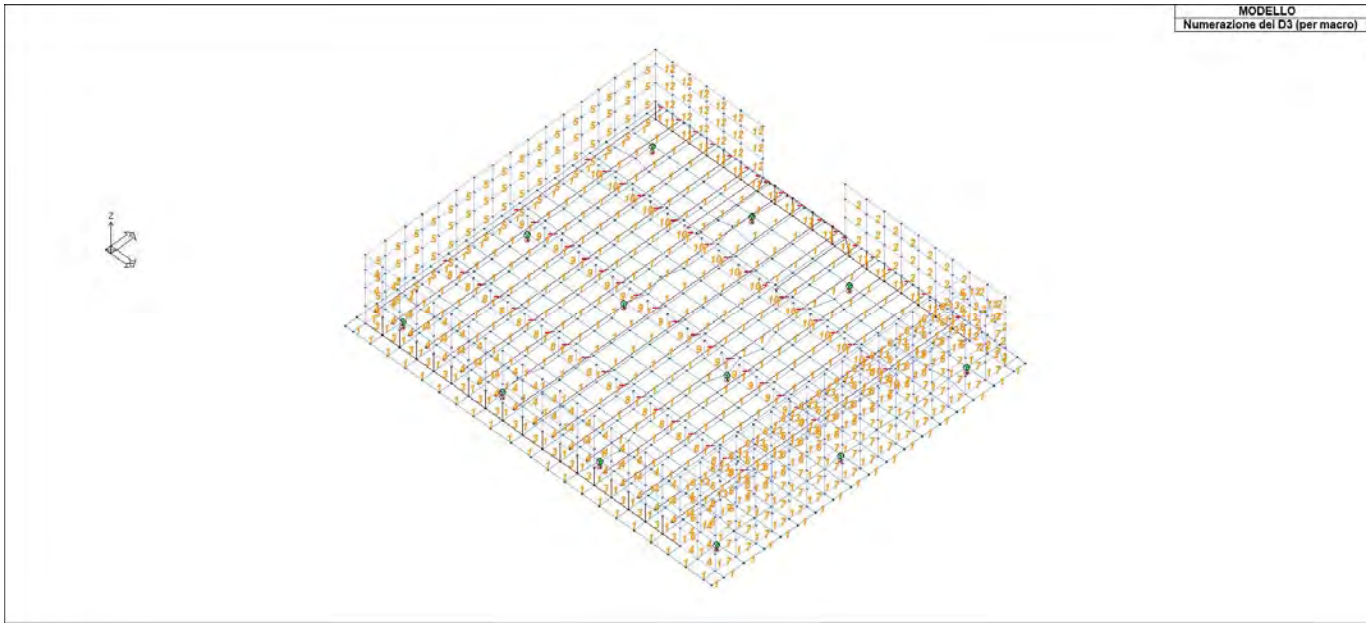


Figura 13 - MOD_NUMERAZIONE_D3_MACRO

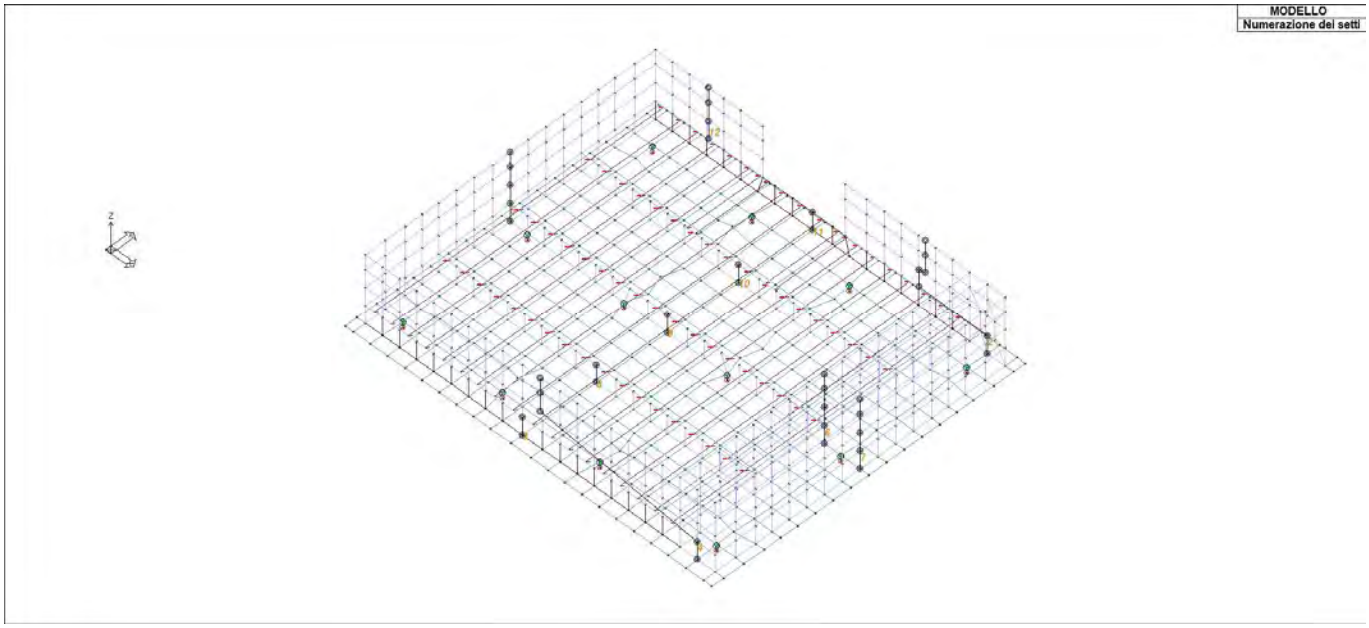


Figura 14 - MOD_NUMERAZIONE_D3_PARETI

9 MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

9.1 LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.
Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.
L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.
I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.
L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico ***Variab.*** Carico variabile generico ***Var. rid.*** Carico variabile generico con riduzione in funzione dell' area (c.5.5. …) ***Neve*** Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore raro***
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore frequente***
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: ***per valore quasi permanente***
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: ***per la definizione delle masse sismiche***
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento ***S*** elemento utilizzato solo per scarico ***C*** elemento utilizzato per scarico e per modellazione piano rigido ***P*** elemento utilizzato come pannello ***M*** scarico monodirezionale ***B*** scarico bidirezionale

Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

La progettazione viene eseguita con il metodo degli stati limite.I simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce instantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni freq. [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi perm. [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a

pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).
Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.
Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
  Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.
(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch.	Tipo	G1	G2	Q	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
		daN/cm2	daN/cm2	daN/cm2							
1	Variab.	4.50e-02	1.00e-02	2.00e-02		1.00	0.70	0.50	0.30	0.30	1.00
10	Neve	4.50e-02		8.00e-03		1.00	0.50	0.20	0.0	0.0	1.00
	Variab.			5.00e-03			0.70	0.50	0.30		

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1	G2	Q	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
						daN/cm2	daN/cm2	daN/cm2					
1	SM	10	m=1	1.0	90.0	4.50e-02		8.00e-03	451	452	453	454	455
									456	457	458	459	460
									461	462	463	464	465
									467	468	472	475	478
									498	497	495	494	493
									492	491	490	489	488
									487	486	485	484	483
									482	481	480	477	474
									471	450			
2	SM	10	m=1	1.0	90.0	4.50e-02		8.00e-03	481	482	483	484	485
									486	487	488	489	490
									491	492	493	494	495
									497	498	501	504	507
									527	526	524	523	522
									521	520	519	518	517
									516	515	514	513	512
									511	510	509	506	503
									500	480			
3	SM	10	m=1	1.0	90.0	4.50e-02		8.00e-03	510	511	512	513	514
									515	516	517	518	519
									520	521	522	523	524
									526	527	530	533	536
									556	555	553	552	551
									550	549	548	547	546
									545	544	543	542	541
									540	539	538	535	532
									529	509			
4	SM	10	m=1	1.0	90.0	4.50e-02		8.00e-03	539	540	541	542	543
									544	545	546	547	548
									549	550	551	552	553
									555	556	559	562	565
									585	584	582	581	580
									579	578	577	576	575
									574	573	572	571	570
									569	568	567	564	561
									558	538			
5	PM		m=1	0.1	90.0				451	452	453	454	455
									456	457	458	459	460
									461	462	463	464	465
									467	468	472	475	478
									498	497	495	494	493
									492	491	490	489	488
									487	486	485	484	483
									482	481	480	477	474
									471	450			
6	PM		m=1	0.1	90.0				481	482	483	484	485
									486	487	488	489	490
									491	492	493	494	495
									497	498	501	504	507
									527	526	524	523	522
									521	520	519	518	517
									516	515	514	513	512
									511	510	509	506	503
									500	480			
7	PM		m=1	0.1	90.0				510	511	512	513	514
									515	516	517	518	519
									520	521	522	523	524
									526	527	530	533	536
									556	555	553	552	551
									550	549	548	547	546
									545	544	543	542	541
									540	539	538	535	532
									529	509			
8	PM		m=1	0.1	90.0				539	540	541	542	543

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1	G2	Q	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
									544	545	546	547	548
									549	550	551	552	553
									555	556	559	562	565
									585	584	582	581	580
									579	578	577	576	575
									574	573	572	571	570
									569	568	567	564	561
									558	538			

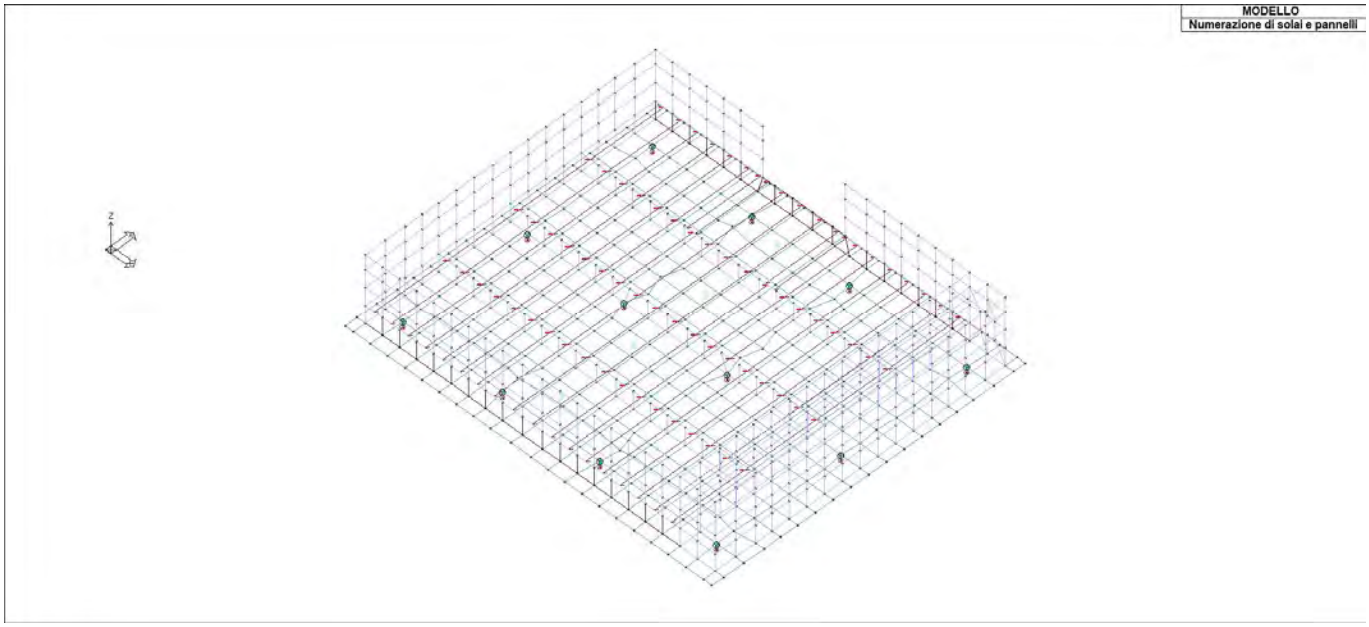


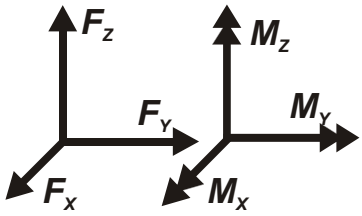
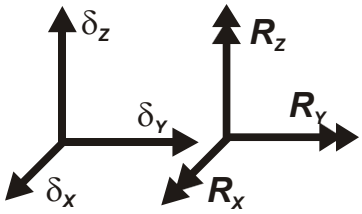
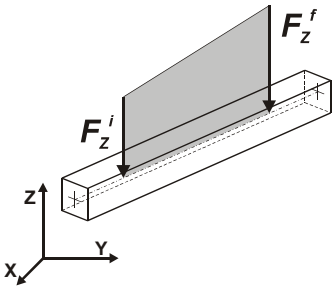
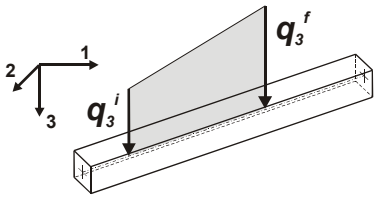
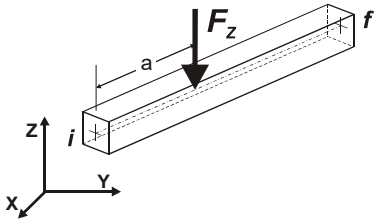
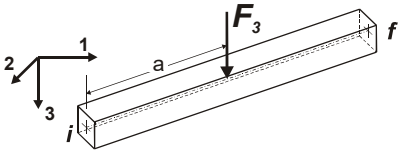
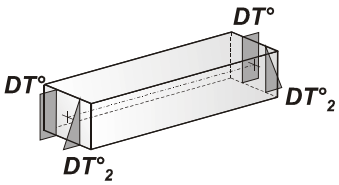
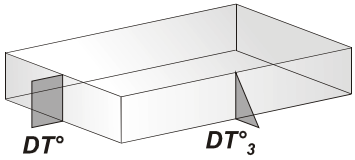
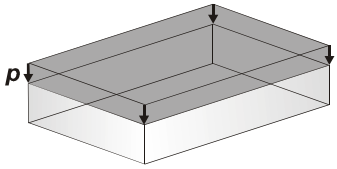
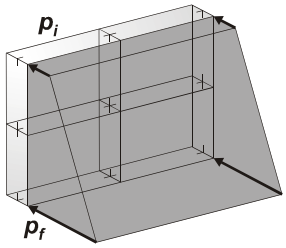
Figura 15 – MOD_NUMERAZIONE_SOLAI

10 MODELLAZIONE DELLE AZIONI

10.1 LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	**carico concentrato nodale** 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	**spostamento nodale impresso** 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	**carico distribuito globale su elemento tipo trave** 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	**carico distribuito locale su elemento tipo trave** 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	**carico concentrato globale su elemento tipo trave** 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	**carico concentrato locale su elemento tipo trave** 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	**variazione termica applicata ad elemento tipo trave** 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	**carico di pressione uniforme su elemento tipo piastra** 1 dato (pressione)
9	**carico di pressione variabile su elemento tipo piastra** 4 dati (pressione, quota, pressione, quota)
10	**variazione termica applicata ad elemento tipo piastra** 2 dati (variazioni termiche: media e differenza nello spessore)
11	**carico variabile generale su elementi tipo trave e piastra** 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	**gruppo di carichi con impronta su piastra** 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi

 Carico concentrato nodale	 Spostamento impresso
 Carico distribuito globale	 Carico distribuito locale
 Carico concentrato globale	 Carico concentrato locale
 Carico termico 2D	 Carico termico 3D
 Carico pressione uniforme	 Carico pressione variabile

Tipo	carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		cm	daN/cm	daN/cm	daN/cm	daN	daN	daN
11	Pann_rimovib. - DG:Fzi=-10.87 Fzf=-10.87	0.0	0.0	0.0	-10.87	0.0	0.0	0.0
		0.0	0.0	0.0	-10.87	0.0	0.0	0.0

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		daN/cm2
7	QVK PAN ++ vento - P3:p= 8.500e-03	8.50e-03
8	QVK PAN -- vento - P3:p= 8.500e-03	8.50e-03
9	Neve - P3:p= 8.000e-04	8.00e-04
12	Peso legna - P3:p=0.14	0.14

Tipo	variazione termica applicata a piastra

Id	Tipo	DT uniforme	DT 3-3
		C	C
10	termico - T3:DT=42.00	42.00	0.0

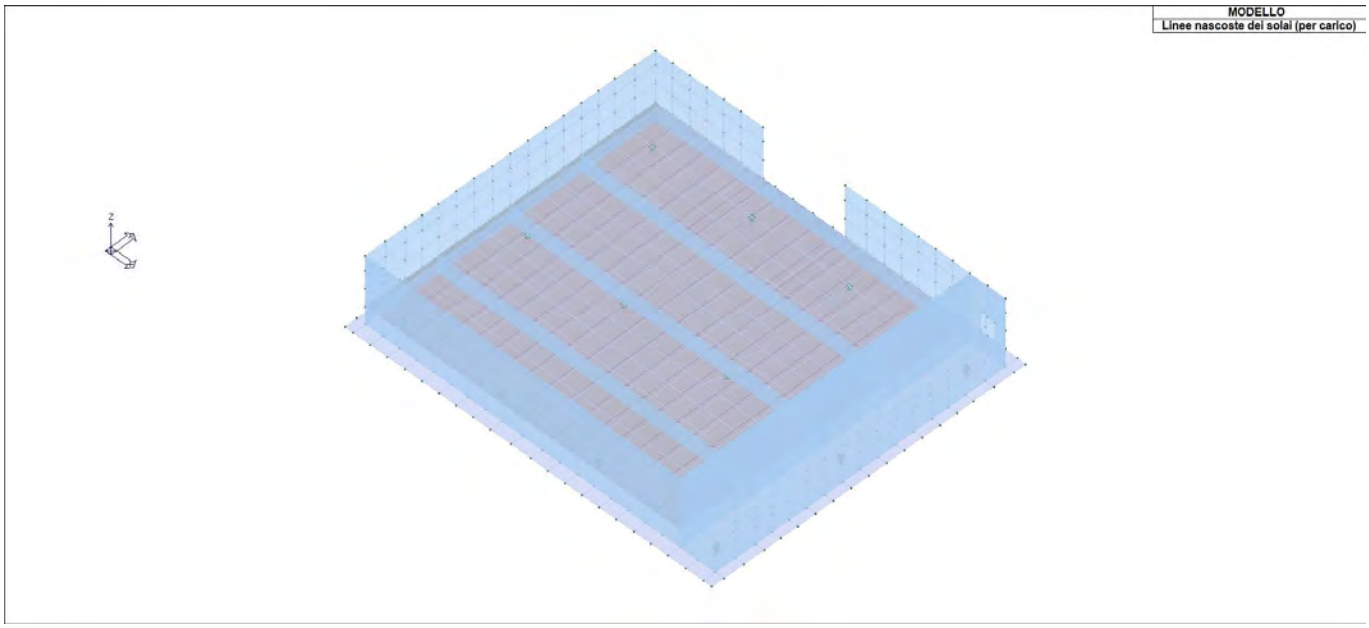


Figura 16 - CAR_CARICHI_SOLAI

11 SCHEMATIZZAZIONE DEI CASI DI CARICO

11.1 LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.
Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	***Tipo***	***Descrizione***
1	**Ggk**	A	caso di carico comprensivo del peso proprio struttura
2	**Gk**	NA	caso di carico con azioni permanenti
3	**Qk**	NA	caso di carico con azioni variabili
4	**Gsk**	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	**Qsk**	A	caso di carico comprensivo dei carichi variabili sui solai
6	**Qnk**	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	**Qtk**	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	**Qvk**	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	**Esk**	SA	caso di carico sismico con analisi statica equivalente
10	**Edk**	SA	caso di carico sismico con analisi dinamica
11	**Etk**	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:
7-Qtk, in quanto richiede solo il valore della variazione termica;
9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:
Numero Tipo e *Sigla identificativa*, *Valore di riferimento* del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note	Per non automatici:
1	Ggk	CDC=Ggk (peso proprio della struttura)		

CDC	Tipo	Sigla Id	Note	Per non automatici:
2	Gsk	CDC=G1sk (permanente solai-coperture)		
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)		
4	Qsk	CDC=Qsk (variabile solai)		
5	Qnk	CDC=Qnk (carico da neve)		
6	Qtk	CDC=Qtk (carico termico) dT= -10.00	variazione termica:-10.00	
7	Qk	CDC=Qk (variabile generico) dT=+42	Azioni applicate:	Ad elementi:
			[10] termico - T3:DT=42.00	D3: 1 # 456, 458 # 825
8	Qk	CDC=Qk (variabile generico) neve	Azioni applicate:	Ad elementi:
			[9] Neve - P3:p= 8.000e-04	D3: 794 # 825
9	Gk	CDC=G1k (permanente generico) Pann_rim_pann	Azioni applicate:	Ad elementi:
			[11] Pann_rimovib. - DG:Fzi=-10.87 Fzf=-10.87	D2: 14 # 18
			[12] Peso legna - P3:p=0.14	Pannelli: 5 # 8
10	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)	
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)	
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)	
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)	
			partecipazione:1.00 per 5 CDC=Qnk (carico da neve)	
			partecipazione:1.00 per 7 CDC=Qk (variabile generico) dT=+42	
			partecipazione:1.00 per 8 CDC=Qk (variabile generico) neve	
			partecipazione:1.00 per 9 CDC=G1k (permanente generico) Pann_rim_pann	
11	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico	
12	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico	
13	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico	
14	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico	
15	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico	
16	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico	
17	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico	
18	Qvk	CDC=Qvk (carico da vento) dir X +	Azioni applicate:	Ad elementi:
			[7] QVK PAN ++ vento - P3:p= 8.500e-03	D3: 418, 420 # 421, 423 # 424, 426 # 427, 429, 448, 450 # 451, 453 # 454, 456 # 457, 459, 478, 480 # 481, 483 # 484, 486 # 487, 489, 508, 510 # 511, 513 # 514, 516 # 517, 519, 562, 564 # 565, 567 # 568, 570 # 571, 573 # 574, 576 # 577, 579 # 580, 582 # 583, 585 # 586, 588 # 589, 591 # 592, 594 # 595, 597 # 598, 600 # 601, 603 # 604, 606 # 607, 609, 648, 650 # 651, 653 # 654, 656 # 657, 659 # 660, 662 # 663, 665 # 666, 668 # 669, 671 # 672, 674 # 675, 677 # 678, 680 # 681, 683 # 684, 686 # 687, 689 # 690, 692 # 693, 695, 731, 733 # 734, 736 # 737, 739 # 740, 742 # 743, 745 # 746, 748 # 749, 751 # 752, 754 # 755, 757 # 758, 760 # 761, 763 # 764, 766 # 767, 769 # 770, 772 # 773, 775 # 776
19	Qvk	CDC=Qvk (carico da vento) dir X -	Azioni applicate:	Ad elementi:
			[8] QVK PAN -- vento - P3:p= 8.500e-	D3: 418, 420 # 421, 423 # 424, 426 #

CDC	Tipo	Sigla Id	Note	Per non automatici:
			03	427, 429, 448, 450 # 451, 453 # 454, 456 # 457, 459, 478, 480 # 481, 483 # 484, 486 # 487, 489, 508, 510 # 511, 513 # 514, 516 # 517, 519, 562, 564 # 565, 567 # 568, 570 # 571, 573 # 574, 576 # 577, 579 # 580, 582 # 583, 585 # 586, 588 # 589, 591 # 592, 594 # 595, 597 # 598, 600 # 601, 603 # 604, 606 # 607, 609, 648, 650 # 651, 653 # 654, 656 # 657, 659 # 660, 662 # 663, 665 # 666, 668 # 669, 671 # 672, 674 # 675, 677 # 678, 680 # 681, 683 # 684, 686 # 687, 689 # 690, 692 # 693, 695, 731, 733 # 734, 736 # 737, 739 # 740, 742 # 743, 745 # 746, 748 # 749, 751 # 752, 754 # 755, 757 # 758, 760 # 761, 763 # 764, 766 # 767, 769 # 770, 772 # 773, 775 # 776
20	Qvk	CDC=Qvk (carico da vento) dir Y +	Azioni applicate:	Ad elementi:
			[7] QVK PAN ++ vento - P3:p= 8.500e-03	D3: 397 # 417, 520 # 561, 610 # 647, 696 # 730, 779 # 793
21	Qvk	CDC=Qvk (carico da vento) dir Y -	Azioni applicate:	Ad elementi:
			[8] QVK PAN -- vento - P3:p= 8.500e-03	D3: 397 # 417, 520 # 561, 610 # 647, 696 # 730, 779 # 793

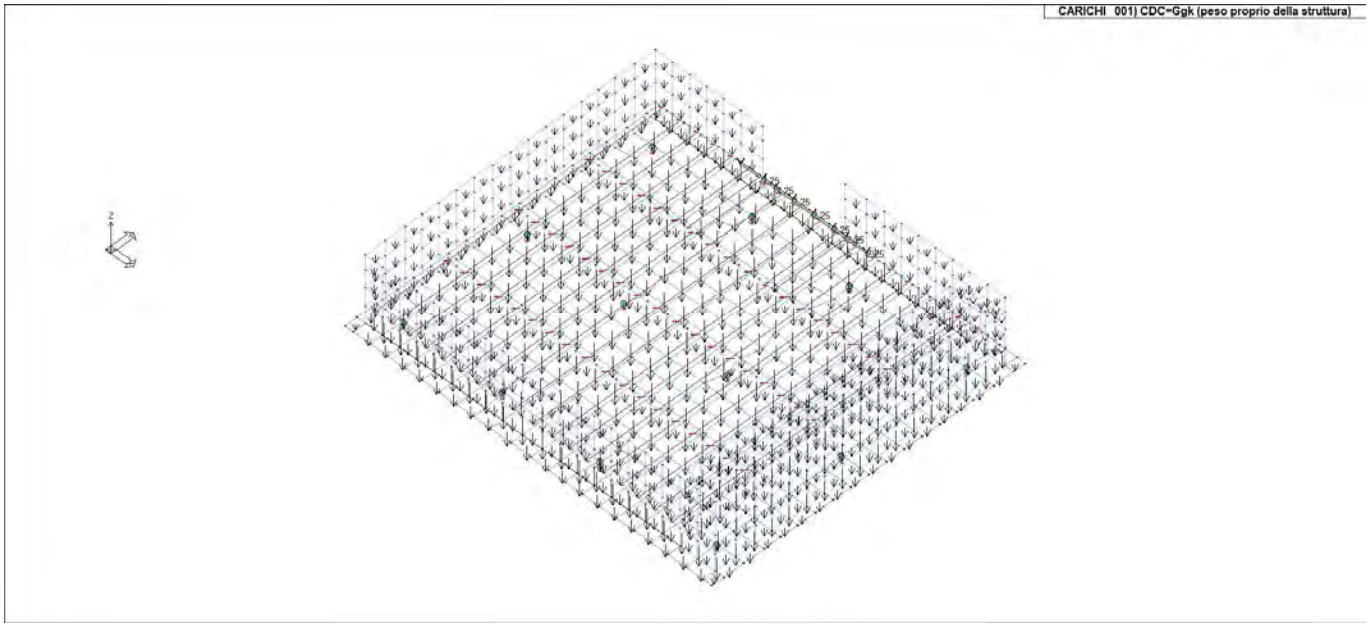


Figura 17 - CDC_001_CDCGgk peso proprio della struttura

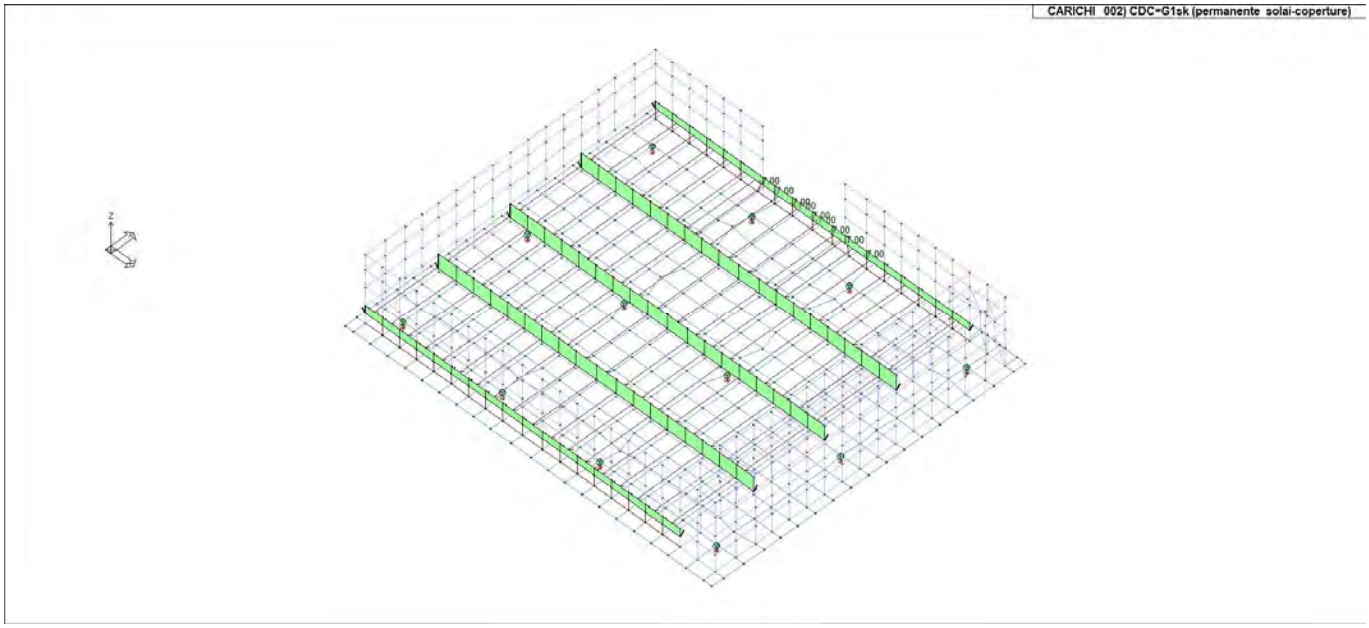


Figura 18 - CDC_002_CDCG1sk permanente solai-coperture

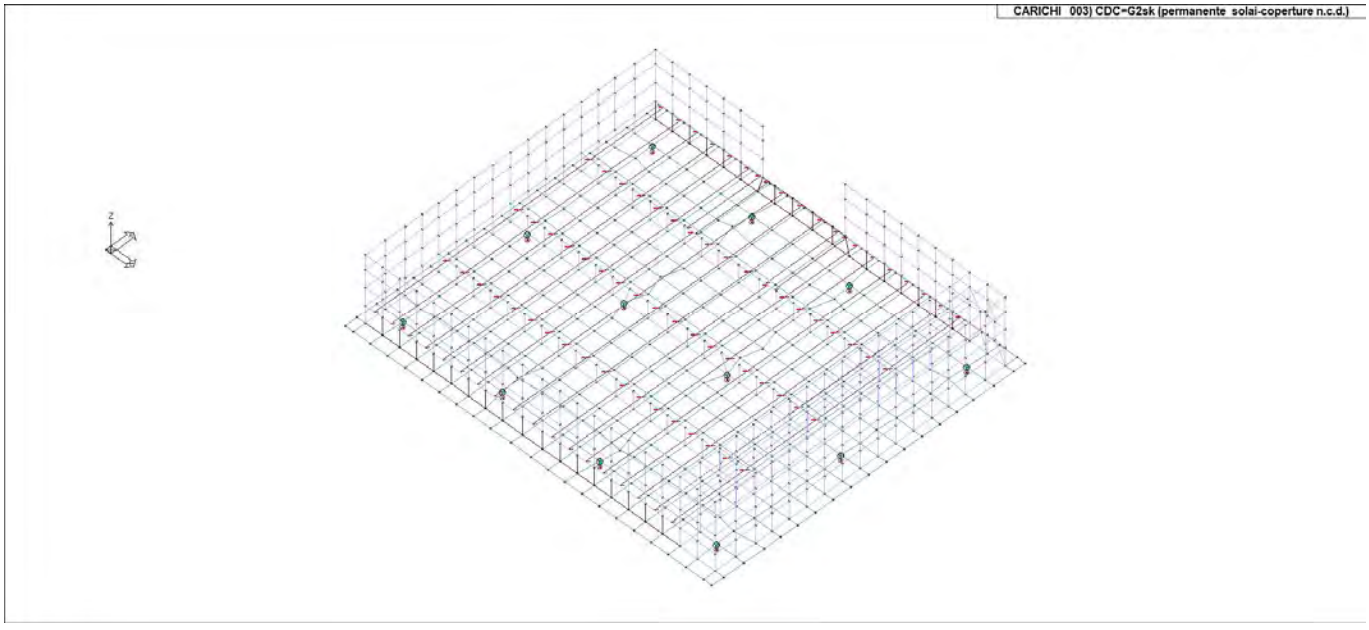


Figura 19 - CDC_003_CDCG2sk permanente solai-coperture ncd

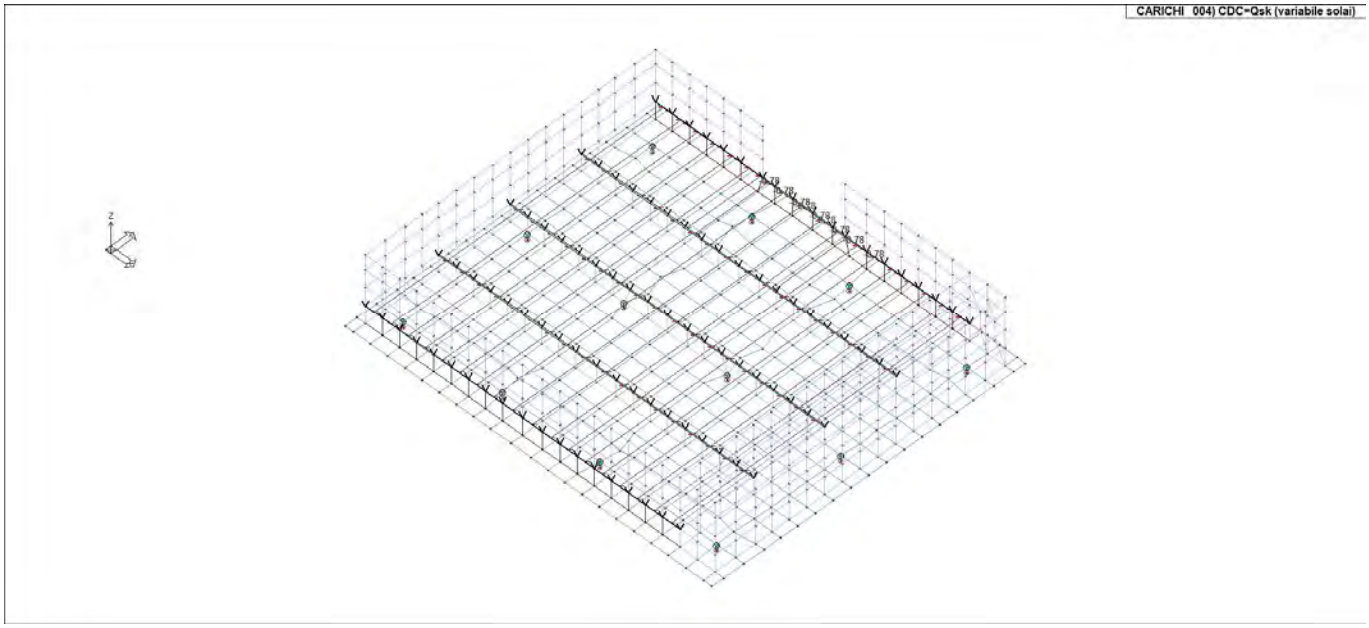


Figura 20 - CDC_004_CDCQsk variabile solai

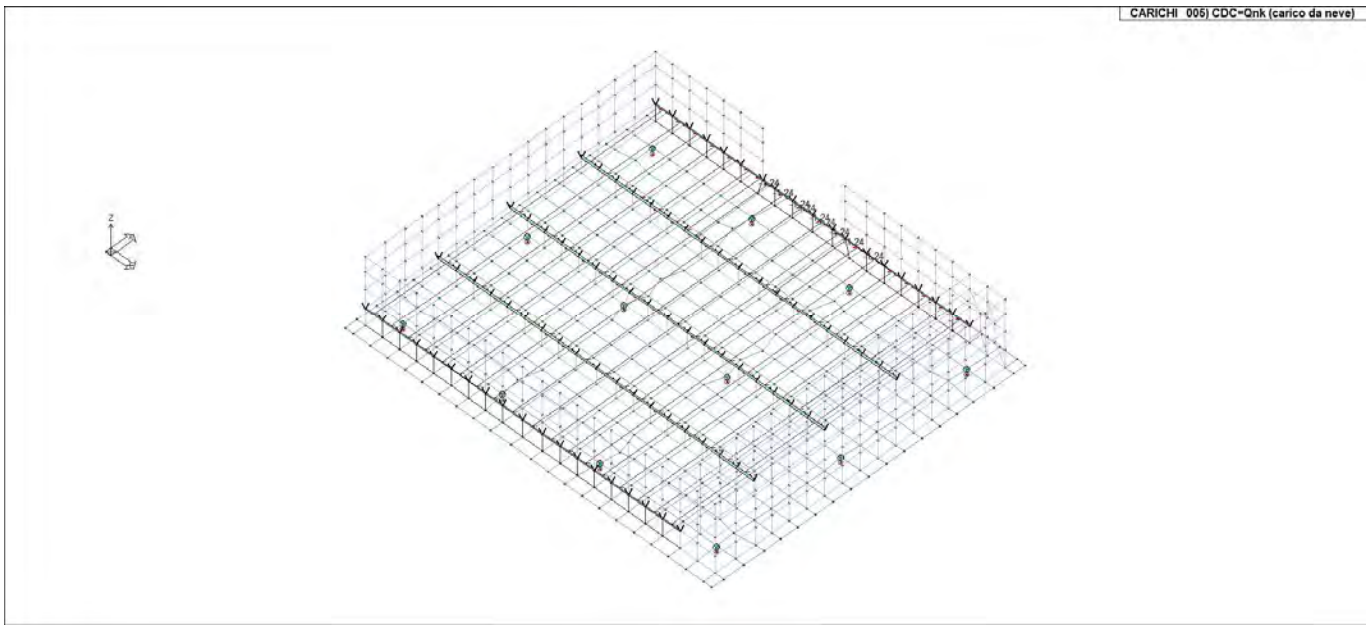


Figura 21 - CDC_005_CDCQnk carico da neve

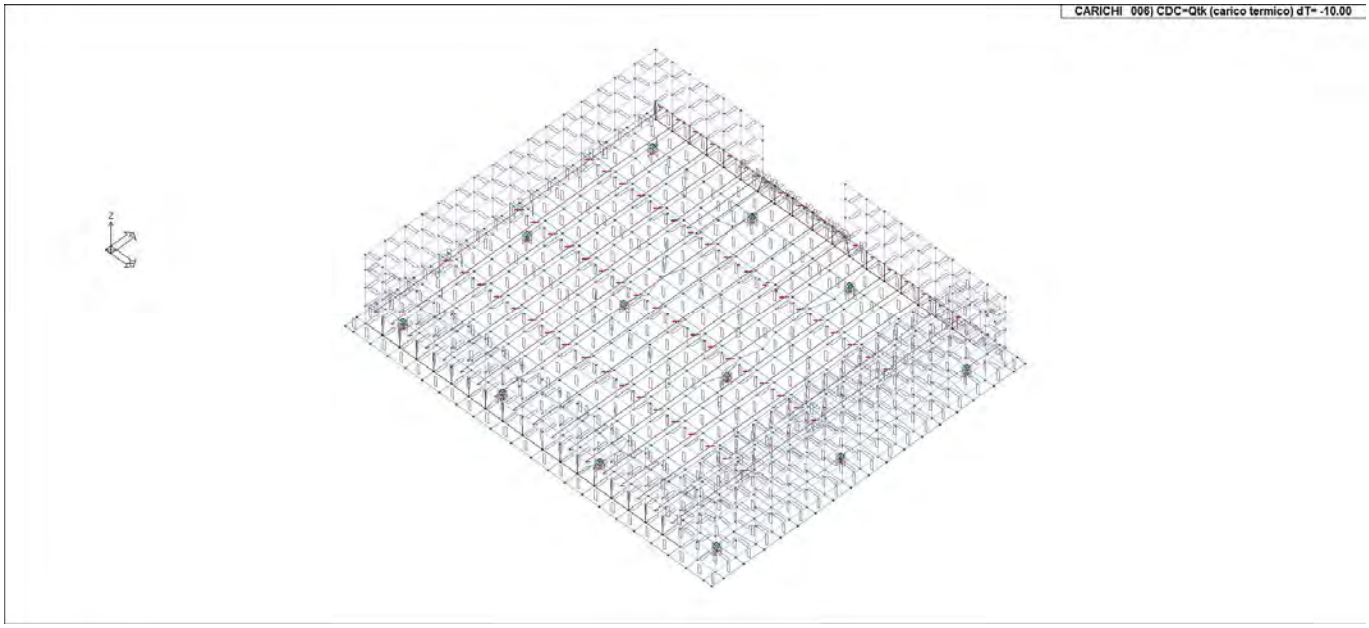


Figura 22 - CDC_006_CDCQtk carico termico dT -1000

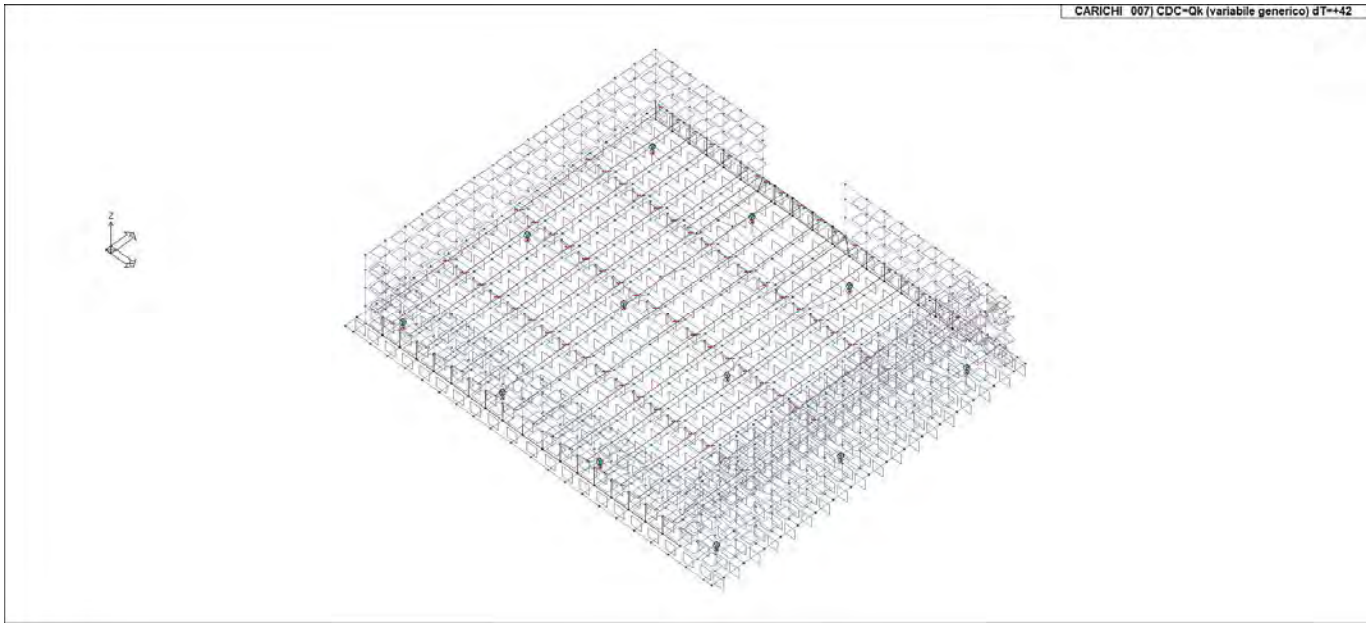


Figura 23 - CDC_007_CDCQk variabile generico dT+42

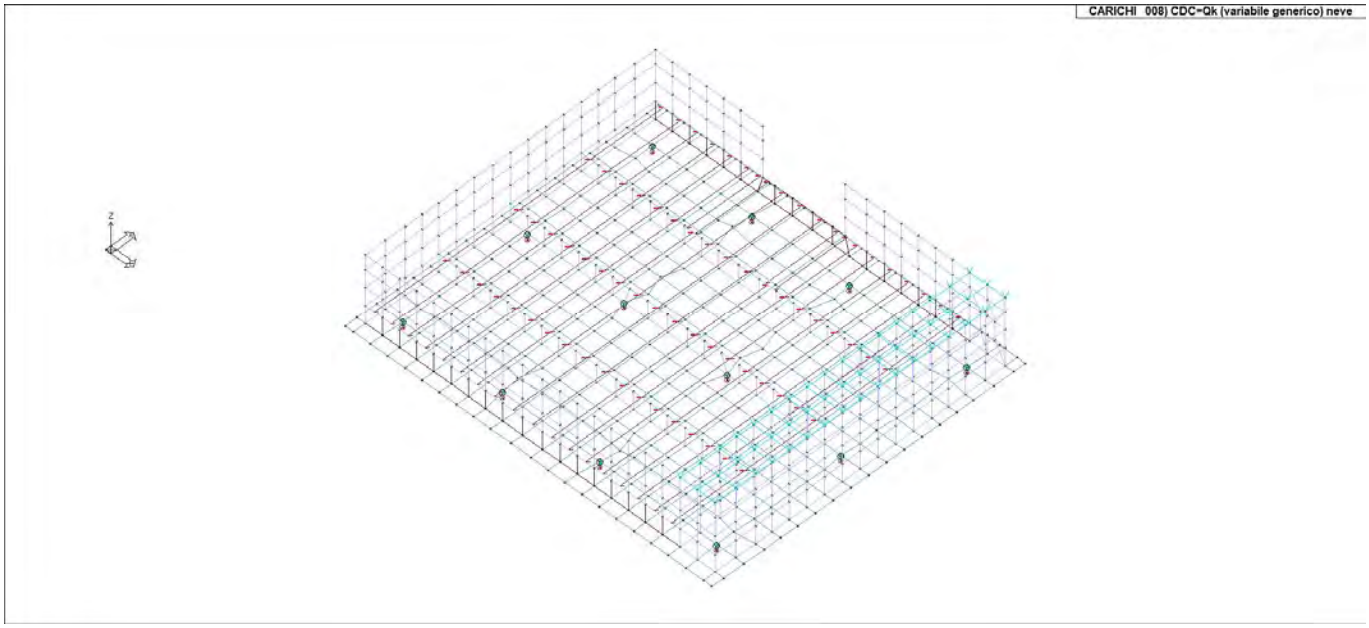


Figura 24 - CDC_008_CDCQk variabile generico neve

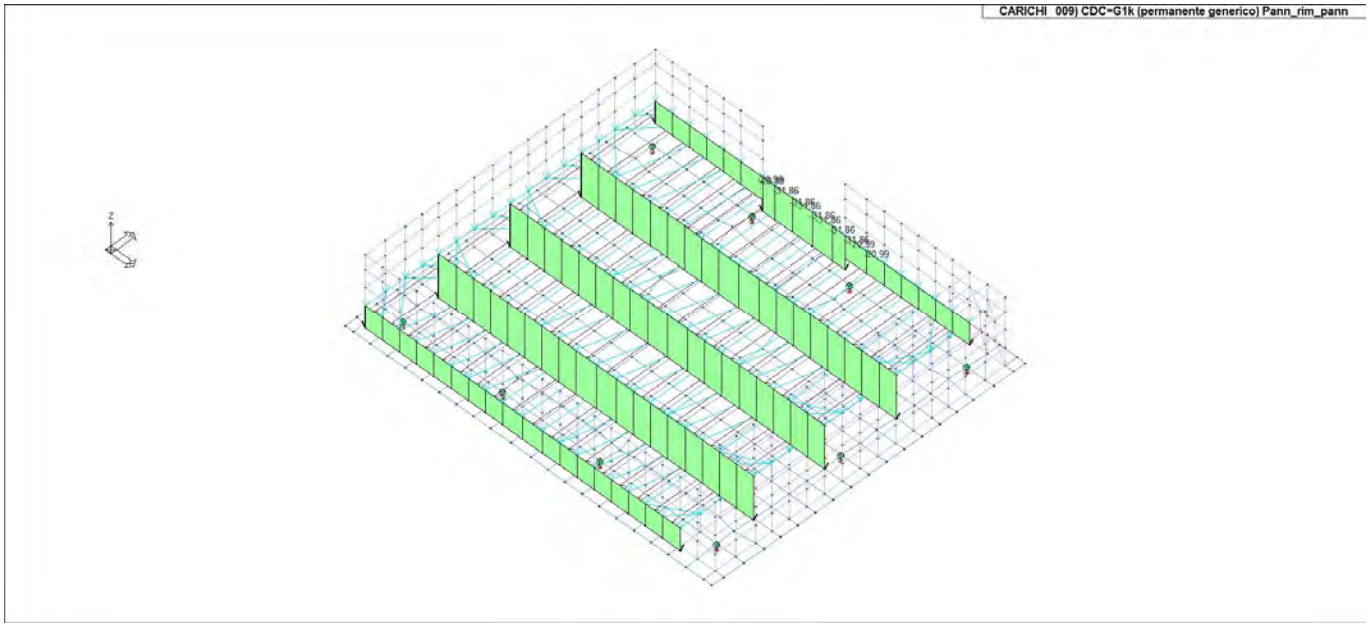


Figura 25 - CDC_009_CDCG1k permanente generico Pannrimpann

12 DEFINIZIONE DELLE COMBINAZIONI

12.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.
Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

***Combinazione fondamentale** SLU*

$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \ldots$

***Combinazione caratteristica** (rara) SLE*

$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \ldots$

***Combinazione frequente** SLE*

$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

***Combinazione quasi permanente** SLE*

$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \ldots$

***Combinazione sismica**, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E*

$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

***Combinazione eccezionale**, impiegata per gli stati limite connessi alle azioni eccezionali*

$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \ldots$

Dove:
NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	***ψ0***	***ψ1***	***ψ2***
Categoria A residenziali	*0,70*	*0,50*	*0,30*
Categoria B uffici	*0,70*	*0,50*	*0,30*
Categoria C ambienti suscettibili di affollamento	*0,70*	*0,70*	*0,60*
Categoria D ambienti ad uso commerciale	*0,70*	*0,70*	*0,60*
Categoria E biblioteche, archivi, magazzini,…	*1,00*	*0,90*	*0,80*
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	*0,70*	*0,70*	*0,60*
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	*0,70*	*0,50*	*0,30*
Categoria H Coperture	*0,00*	*0,00*	*0,00*
Vento	*0,60*	*0,20*	*0,00*
Neve a quota <= 1000 m	*0,50*	*0,20*	*0,00*
Neve a quota > 1000 m	*0,70*	*0,50*	*0,20*
Variazioni Termiche	*0,60*	*0,50*	*0,00*

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:
- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),

- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γf	***EQU***	***A1***	***A2***
Carichi permanenti	*Favorevoli* *Sfavorevoli*	$\gamma G1$	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti non strutturali *(Non compiutamente definiti)*	*Favorevoli* *Sfavorevoli*	$\gamma G2$	*0,8* *1,5*	*0,8* *1,5*	*0,8* *1,3*
Carichi variabili	*Favorevoli* *Sfavorevoli*	γQi	*0,0* *1,5*	*0,0* *1,5*	*0,0* *1,3*

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLU	Comb. SLU A1 31	
32	SLU	Comb. SLU A1 32	
33	SLU	Comb. SLU A1 33	
34	SLU	Comb. SLU A1 34	
35	SLU	Comb. SLU A1 35	
36	SLU	Comb. SLU A1 36	
37	SLU	Comb. SLU A1 37	
38	SLU	Comb. SLU A1 38	
39	SLU	Comb. SLU A1 39	
40	SLU	Comb. SLU A1 40	
41	SLU	Comb. SLU A1 41	
42	SLU	Comb. SLU A1 42	
43	SLU	Comb. SLU A1 43	

Cmb	Tipo	Sigla Id	effetto P-delta
44	SLU	Comb. SLU A1 44	
45	SLU	Comb. SLU A1 45	
46	SLU	Comb. SLU A1 46	
47	SLU	Comb. SLU A1 47	
48	SLU	Comb. SLU A1 48	
49	SLU	Comb. SLU A1 49	
50	SLU	Comb. SLU A1 50	
51	SLU	Comb. SLU A1 51	
52	SLU	Comb. SLU A1 52	
53	SLU	Comb. SLU A1 53	
54	SLU	Comb. SLU A1 54	
55	SLU	Comb. SLU A1 55	
56	SLU	Comb. SLU A1 56	
57	SLU	Comb. SLU A1 57	
58	SLU	Comb. SLU A1 58	
59	SLU	Comb. SLU A1 59	
60	SLU	Comb. SLU A1 60	
61	SLU	Comb. SLU A1 61	
62	SLU	Comb. SLU A1 62	
63	SLU	Comb. SLU A1 63	
64	SLU	Comb. SLU A1 64	
65	SLU	Comb. SLU A1 65	
66	SLU	Comb. SLU A1 66	
67	SLU	Comb. SLU A1 67	
68	SLU	Comb. SLU A1 68	
69	SLU	Comb. SLU A1 69	
70	SLU	Comb. SLU A1 70	
71	SLU	Comb. SLU A1 71	
72	SLU	Comb. SLU A1 72	
73	SLU	Comb. SLU A1 73	
74	SLU	Comb. SLU A1 74	
75	SLU	Comb. SLU A1 75	
76	SLU	Comb. SLU A1 76	
77	SLU	Comb. SLU A1 77	
78	SLU	Comb. SLU A1 78	
79	SLU	Comb. SLU A1 79	
80	SLU	Comb. SLU A1 80	
81	SLU	Comb. SLU A1 81	
82	SLU	Comb. SLU A1 82	
83	SLU	Comb. SLU A1 83	
84	SLU	Comb. SLU A1 84	
85	SLU	Comb. SLU A1 85	
86	SLU	Comb. SLU A1 86	
87	SLU	Comb. SLU A1 87	
88	SLU	Comb. SLU A1 88	
89	SLU	Comb. SLU A1 89	
90	SLU	Comb. SLU A1 90	
91	SLU	Comb. SLU A1 91	
92	SLU	Comb. SLU A1 92	
93	SLU	Comb. SLU A1 93	
94	SLU	Comb. SLU A1 94	
95	SLU	Comb. SLU A1 95	
96	SLU	Comb. SLU A1 96	
97	SLU	Comb. SLU A1 97	
98	SLU	Comb. SLU A1 98	
99	SLU	Comb. SLU A1 99	
100	SLU	Comb. SLU A1 100	
101	SLU	Comb. SLU A1 101	
102	SLU	Comb. SLU A1 102	
103	SLU	Comb. SLU A1 103	
104	SLU	Comb. SLU A1 104	
105	SLE(r)	Comb. SLE(rara) 105	
106	SLE(r)	Comb. SLE(rara) 106	
107	SLE(r)	Comb. SLE(rara) 107	
108	SLE(r)	Comb. SLE(rara) 108	
109	SLE(r)	Comb. SLE(rara) 109	
110	SLE(r)	Comb. SLE(rara) 110	

Cmb	Tipo	Sigla Id	effetto P-delta
111	SLE(r)	Comb. SLE(rara) 111	
112	SLE(r)	Comb. SLE(rara) 112	
113	SLE(r)	Comb. SLE(rara) 113	
114	SLE(r)	Comb. SLE(rara) 114	
115	SLE(r)	Comb. SLE(rara) 115	
116	SLE(r)	Comb. SLE(rara) 116	
117	SLE(r)	Comb. SLE(rara) 117	
118	SLE(r)	Comb. SLE(rara) 118	
119	SLE(r)	Comb. SLE(rara) 119	
120	SLE(r)	Comb. SLE(rara) 120	
121	SLE(r)	Comb. SLE(rara) 121	
122	SLE(r)	Comb. SLE(rara) 122	
123	SLE(r)	Comb. SLE(rara) 123	
124	SLE(r)	Comb. SLE(rara) 124	
125	SLE(r)	Comb. SLE(rara) 125	
126	SLE(r)	Comb. SLE(rara) 126	
127	SLE(r)	Comb. SLE(rara) 127	
128	SLE(r)	Comb. SLE(rara) 128	
129	SLE(r)	Comb. SLE(rara) 129	
130	SLE(r)	Comb. SLE(rara) 130	
131	SLE(r)	Comb. SLE(rara) 131	
132	SLE(r)	Comb. SLE(rara) 132	
133	SLE(r)	Comb. SLE(rara) 133	
134	SLE(r)	Comb. SLE(rara) 134	
135	SLE(r)	Comb. SLE(rara) 135	
136	SLE(r)	Comb. SLE(rara) 136	
137	SLE(r)	Comb. SLE(rara) 137	
138	SLE(r)	Comb. SLE(rara) 138	
139	SLE(r)	Comb. SLE(rara) 139	
140	SLE(r)	Comb. SLE(rara) 140	
141	SLE(r)	Comb. SLE(rara) 141	
142	SLE(r)	Comb. SLE(rara) 142	
143	SLE(r)	Comb. SLE(rara) 143	
144	SLE(r)	Comb. SLE(rara) 144	
145	SLE(r)	Comb. SLE(rara) 145	
146	SLE(r)	Comb. SLE(rara) 146	
147	SLE(r)	Comb. SLE(rara) 147	
148	SLE(r)	Comb. SLE(rara) 148	
149	SLE(r)	Comb. SLE(rara) 149	
150	SLE(r)	Comb. SLE(rara) 150	
151	SLE(r)	Comb. SLE(rara) 151	
152	SLE(r)	Comb. SLE(rara) 152	
153	SLE(r)	Comb. SLE(rara) 153	
154	SLE(r)	Comb. SLE(rara) 154	
155	SLE(r)	Comb. SLE(rara) 155	
156	SLE(r)	Comb. SLE(rara) 156	
157	SLE(f)	Comb. SLE(freq.) 157	
158	SLE(f)	Comb. SLE(freq.) 158	
159	SLE(f)	Comb. SLE(freq.) 159	
160	SLE(f)	Comb. SLE(freq.) 160	
161	SLE(f)	Comb. SLE(freq.) 161	
162	SLE(f)	Comb. SLE(freq.) 162	
163	SLE(f)	Comb. SLE(freq.) 163	
164	SLE(p)	Comb. SLE(perm.) 164	
165	SLU	Comb. SLU A1 (SLV sism.) 165	
166	SLU	Comb. SLU A1 (SLV sism.) 166	
167	SLU	Comb. SLU A1 (SLV sism.) 167	
168	SLU	Comb. SLU A1 (SLV sism.) 168	
169	SLU	Comb. SLU A1 (SLV sism.) 169	
170	SLU	Comb. SLU A1 (SLV sism.) 170	
171	SLU	Comb. SLU A1 (SLV sism.) 171	
172	SLU	Comb. SLU A1 (SLV sism.) 172	
173	SLU	Comb. SLU A1 (SLV sism.) 173	
174	SLU	Comb. SLU A1 (SLV sism.) 174	
175	SLU	Comb. SLU A1 (SLV sism.) 175	
176	SLU	Comb. SLU A1 (SLV sism.) 176	
177	SLU	Comb. SLU A1 (SLV sism.) 177	

Cmb	Tipo	Sigla Id	effetto P-delta
178	SLU	Comb. SLU A1 (SLV sism.) 178	
179	SLU	Comb. SLU A1 (SLV sism.) 179	
180	SLU	Comb. SLU A1 (SLV sism.) 180	
181	SLU	Comb. SLU A1 (SLV sism.) 181	
182	SLU	Comb. SLU A1 (SLV sism.) 182	
183	SLU	Comb. SLU A1 (SLV sism.) 183	
184	SLU	Comb. SLU A1 (SLV sism.) 184	
185	SLU	Comb. SLU A1 (SLV sism.) 185	
186	SLU	Comb. SLU A1 (SLV sism.) 186	
187	SLU	Comb. SLU A1 (SLV sism.) 187	
188	SLU	Comb. SLU A1 (SLV sism.) 188	
189	SLU	Comb. SLU A1 (SLV sism.) 189	
190	SLU	Comb. SLU A1 (SLV sism.) 190	
191	SLU	Comb. SLU A1 (SLV sism.) 191	
192	SLU	Comb. SLU A1 (SLV sism.) 192	
193	SLU	Comb. SLU A1 (SLV sism.) 193	
194	SLU	Comb. SLU A1 (SLV sism.) 194	
195	SLU	Comb. SLU A1 (SLV sism.) 195	
196	SLU	Comb. SLU A1 (SLV sism.) 196	
197	SLE(sis)	Comb. SLE (SLD Danno sism.) 197	
198	SLE(sis)	Comb. SLE (SLD Danno sism.) 198	
199	SLE(sis)	Comb. SLE (SLD Danno sism.) 199	
200	SLE(sis)	Comb. SLE (SLD Danno sism.) 200	
201	SLE(sis)	Comb. SLE (SLD Danno sism.) 201	
202	SLE(sis)	Comb. SLE (SLD Danno sism.) 202	
203	SLE(sis)	Comb. SLE (SLD Danno sism.) 203	
204	SLE(sis)	Comb. SLE (SLD Danno sism.) 204	
205	SLE(sis)	Comb. SLE (SLD Danno sism.) 205	
206	SLE(sis)	Comb. SLE (SLD Danno sism.) 206	
207	SLE(sis)	Comb. SLE (SLD Danno sism.) 207	
208	SLE(sis)	Comb. SLE (SLD Danno sism.) 208	
209	SLE(sis)	Comb. SLE (SLD Danno sism.) 209	
210	SLE(sis)	Comb. SLE (SLD Danno sism.) 210	
211	SLE(sis)	Comb. SLE (SLD Danno sism.) 211	
212	SLE(sis)	Comb. SLE (SLD Danno sism.) 212	
213	SLE(sis)	Comb. SLE (SLD Danno sism.) 213	
214	SLE(sis)	Comb. SLE (SLD Danno sism.) 214	
215	SLE(sis)	Comb. SLE (SLD Danno sism.) 215	
216	SLE(sis)	Comb. SLE (SLD Danno sism.) 216	
217	SLE(sis)	Comb. SLE (SLD Danno sism.) 217	
218	SLE(sis)	Comb. SLE (SLD Danno sism.) 218	
219	SLE(sis)	Comb. SLE (SLD Danno sism.) 219	
220	SLE(sis)	Comb. SLE (SLD Danno sism.) 220	
221	SLE(sis)	Comb. SLE (SLD Danno sism.) 221	
222	SLE(sis)	Comb. SLE (SLD Danno sism.) 222	
223	SLE(sis)	Comb. SLE (SLD Danno sism.) 223	
224	SLE(sis)	Comb. SLE (SLD Danno sism.) 224	
225	SLE(sis)	Comb. SLE (SLD Danno sism.) 225	
226	SLE(sis)	Comb. SLE (SLD Danno sism.) 226	
227	SLE(sis)	Comb. SLE (SLD Danno sism.) 227	

Cmb	Tipo	Sigla Id	effetto P-delta
228	SLE(sis)	Comb. SLE (SLD Danno sism.) 228	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
2	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
3	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
4	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
5	1.30	1.30	1.50	1.50	0.75	0.90	0.0	0.75	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
6	1.00	1.00	0.80	1.50	0.75	0.90	0.0	0.75	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
7	1.30	1.30	1.50	0.0	1.50	1.50	0.0	1.50	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
8	1.00	1.00	0.80	0.0	1.50	1.50	0.0	1.50	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
9	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
10	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
11	1.30	1.30	1.50	1.50	0.0	0.0	0.90	0.0	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
12	1.00	1.00	0.80	1.50	0.0	0.0	0.90	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
13	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
14	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
15	1.30	1.30	1.50	0.0	0.0	0.0	1.50	0.0	1.30	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
16	1.00	1.00	0.80	0.0	0.0	0.0	1.50	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
17	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
18	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
19	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
20	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
21	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
22	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	1.50	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
23	1.30	1.30	1.50	1.50	0.75	0.90	0.0	0.75	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
24	1.00	1.00	0.80	1.50	0.75	0.90	0.0	0.75	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
25	1.30	1.30	1.50	0.0	1.50	1.50	0.0	1.50	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
26	1.00	1.00	0.80	0.0	1.50	1.50	0.0	1.50	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
27	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
28	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
29	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	1.50	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
30	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	1.50	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
31	1.30	1.30	1.50	1.50	0.0	0.0	0.90	0.0	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
32	1.00	1.00	0.80	1.50	0.0	0.0	0.90	0.0	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
33	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
34	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
35	1.30	1.30	1.50	0.0	0.0	0.0	1.50	0.0	1.30	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
36	1.00	1.00	0.80	0.0	0.0	0.0	1.50	0.0	1.00	0.90	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
37	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	1.50	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
38	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	1.50	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
39	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
40	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
41	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
42	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
43	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.0	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
44	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
45	1.30	1.30	1.50	1.50	0.75	0.90	0.0	0.75	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
46	1.00	1.00	0.80	1.50	0.75	0.90	0.0	0.75	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
47	1.30	1.30	1.50	0.0	1.50	1.50	0.0	1.50	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
48	1.00	1.00	0.80	0.0	1.50	1.50	0.0	1.50	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
49	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
50	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
51	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.0	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
52	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.0	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
53	1.30	1.30	1.50	1.50	0.0	0.0	0.90	0.0	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
54	1.00	1.00	0.80	1.50	0.0	0.0	0.90	0.0	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
55	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
56	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
57	1.30	1.30	1.50	0.0	0.0	0.0	1.50	0.0	1.30	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
58	1.00	1.00	0.80	0.0	0.0	0.0	1.50	0.0	1.00	0.0	0.90	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
59	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.0	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
60	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.0	1.50	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
61	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
62	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
63	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.90	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
64	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
65	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	1.50	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
66	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	1.50	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
67	1.30	1.30	1.50	1.50	0.75	0.90	0.0	0.75	1.30	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
68	1.00	1.00	0.80	1.50	0.75	0.90	0.0	0.75	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
69	1.30	1.30	1.50	0.0	1.50	1.50	0.0	1.50	1.30	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
70	1.00	1.00	0.80	0.0	1.50	1.50	0.0	1.50	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
71	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
72	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
73	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.0	0.0	1.50	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
74	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.0	0.0	1.50	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
75	1.30	1.30	1.50	1.50	0.0	0.0	0.90	0.0	1.30	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
76	1.00	1.00	0.80	1.50	0.0	0.0	0.90	0.0	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
77	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
78	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
79	1.30	1.30	1.50	0.0	0.0	0.0	1.50	0.0	1.30	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
80	1.00	1.00	0.80	0.0	0.0	0.0	1.50	0.0	1.00	0.0	0.0	0.90	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
81	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.0	0.0	1.50	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
82	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.0	0.0	1.50	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
83	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
84	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
85	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
86	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
87	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	1.30	0.0	0.0	0.0	1.50	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
88	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	1.50	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
89	1.30	1.30	1.50	1.50	0.75	0.90	0.0	0.75	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
90	1.00	1.00	0.80	1.50	0.75	0.90	0.0	0.75	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
91	1.30	1.30	1.50	0.0	1.50	1.50	0.0	1.50	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
92	1.00	1.00	0.80	0.0	1.50	1.50	0.0	1.50	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
93	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
94	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
95	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.75	1.30	0.0	0.0	0.0	1.50	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
96	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.75	1.00	0.0	0.0	0.0	1.50	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
97	1.30	1.30	1.50	1.50	0.0	0.0	0.90	0.0	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
98	1.00	1.00	0.80	1.50	0.0	0.0	0.90	0.0	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
99	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
100	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
101	1.30	1.30	1.50	0.0	0.0	0.0	1.50	0.0	1.30	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
102	1.00	1.00	0.80	0.0	0.0	0.0	1.50	0.0	1.00	0.0	0.0	0.0	0.90	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
103	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	1.30	0.0	0.0	0.0	1.50	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
104	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	1.00	0.0	0.0	0.0	1.50	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
105	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
106	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
107	1.00	1.00	1.00	1.00	0.50	0.60	0.0	0.50	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
108	1.00	1.00	1.00	0.0	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
109	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
110	1.00	1.00	1.00	1.00	0.0	0.0	0.60	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
111	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
112	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
113	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
114	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
115	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
116	1.00	1.00	1.00	1.00	0.50	0.60	0.0	0.50	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
117	1.00	1.00	1.00	0.0	1.00	1.00	0.0	1.00	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
118	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
119	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
120	1.00	1.00	1.00	1.00	0.0	0.0	0.60	0.0	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
121	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
122	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	1.00	0.60	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
123	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
124	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
125	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
126	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
127	1.00	1.00	1.00	1.00	0.50	0.60	0.0	0.50	1.00	0.0	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
128	1.00	1.00	1.00	0.0	1.00	1.00	0.0	1.00	1.00	0.0	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
129	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.0	0.60	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
130	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
131	1.00	1.00	1.00	1.00	0.0	0.0	0.60	0.0	1.00	0.0	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
132	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.0	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
133	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.60	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
134	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
135	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
136	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
137	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
138	1.00	1.00	1.00	1.00	0.50	0.60	0.0	0.50	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
139	1.00	1.00	1.00	0.0	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
140	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
141	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.0	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
142	1.00	1.00	1.00	1.00	0.0	0.0	0.60	0.0	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
143	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
144	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0	0.60	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
145	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.0	0.0	1.00	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
146	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
147	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
148	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
149	1.00	1.00	1.00	1.00	0.50	0.60	0.0	0.50	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
150	1.00	1.00	1.00	0.0	1.00	1.00	0.0	1.00	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
151	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
152	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.50	1.00	0.0	0.0	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
153	1.00	1.00	1.00	1.00	0.0	0.0	0.60	0.0	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
154	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
155	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	1.00	0.0	0.0	0.0	0.60	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
156	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	1.00	0.0	0.0	0.0	1.00	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
157	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
158	1.00	1.00	1.00	0.0	0.20	0.50	0.0	0.20	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
159	1.00	1.00	1.00	0.0	0.0	0.0	0.50	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
160	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.20	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
161	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.20	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
162	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.20	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
163	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.20	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
164	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0							
165	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	0.0							
166	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-1.00
	0.0	0.30	0.0	0.0	0.0	0.0	0.0							
167	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	0.0	-0.30	0.0	0.0	0.0	0.0	0.0							
168	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	0.0	0.30	0.0	0.0	0.0	0.0	0.0							
169	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-1.00
	0.0	0.0	-0.30	0.0	0.0	0.0	0.0							
170	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-1.00
	0.0	0.0	0.30	0.0	0.0	0.0	0.0							
171	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	-0.30	0.0	0.0	0.0	0.0							
172	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00
	0.0	0.0	0.30	0.0	0.0	0.0	0.0							
173	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0							
174	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-1.00	0.30	0.0	0.0	0.0	0.0	0.0							
175	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	-0.30	0.0	0.0	0.0	0.0	0.0							
176	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.30	0.0	0.0	0.0	0.0	0.0							
177	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0							
178	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-1.00	0.0	0.30	0.0	0.0	0.0	0.0							
179	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	-0.30	0.0	0.0	0.0	0.0							
180	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	1.00	0.0	0.30	0.0	0.0	0.0	0.0							
181	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	0.0							
182	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-0.30
	0.0	1.00	0.0	0.0	0.0	0.0	0.0							
183	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.30
	0.0	-1.00	0.0	0.0	0.0	0.0	0.0							
184	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.30
	0.0	1.00	0.0	0.0	0.0	0.0	0.0							
185	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0							
186	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-0.30	1.00	0.0	0.0	0.0	0.0	0.0							
187	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.30	-1.00	0.0	0.0	0.0	0.0	0.0							
188	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.30	1.00	0.0	0.0	0.0	0.0	0.0							
189	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-0.30
	0.0	0.0	-1.00	0.0	0.0	0.0	0.0							
190	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	-0.30
	0.0	0.0	1.00	0.0	0.0	0.0	0.0							
191	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.30
	0.0	0.0	-1.00	0.0	0.0	0.0	0.0							
192	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.30
	0.0	0.0	1.00	0.0	0.0	0.0	0.0							
193	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0							
194	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	-0.30	0.0	1.00	0.0	0.0	0.0	0.0							
195	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.30	0.0	-1.00	0.0	0.0	0.0	0.0							
196	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.30	0.0	1.00	0.0	0.0	0.0	0.0							
197	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0							
198	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.30	0.0							
199	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	-0.30	0.0							
200	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.30	0.0							
201	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30							
202	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-1.00	0.0	0.0	0.30							
203	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.0	-0.30							
204	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	1.00	0.0	0.0	0.30							
205	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0							
206	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.30	0.0							
207	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	-0.30	0.0							
208	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.30	0.0							
209	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30							
210	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-1.00	0.0	0.30							
211	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.0	-0.30							
212	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	1.00	0.0	0.30							
213	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0							
214	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	1.00	0.0							
215	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	-1.00	0.0							
216	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	1.00	0.0							
217	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0							
218	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	1.00	0.0							
219	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	-1.00	0.0							
220	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	1.00	0.0							
221	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00							
222	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	-0.30	0.0	0.0	1.00							
223	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	0.0	-1.00							
224	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.30	0.0	0.0	1.00							
225	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00							
226	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	-0.30	0.0	1.00							
227	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.30	0.0	-1.00							
228	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.30	0.0	1.00							

13 AZIONE SISMICA

13.1 VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.
Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):
ag: accelerazione orizzontale massima del terreno;
Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;
T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

13.1.1 Parametri della struttura

Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
I	50.0	0.7	35.0	C	T2

Per la struttura in esame si sono adottati i parametri di pericolosità sismica da analisi di Risposta Sismica locale; si sono adottati i parametri spettrali riportati nelle seguenti tabelle; i parametri consentono la definizione degli spettri elastici come previsto al cap. 3.2 delle norme tecniche:
lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, Se, è definito dalle seguenti espressioni:

$$0 \le T < T_B \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o$$

$$T_C \le T < T_D \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, Sve, è definito dalle espressioni:

$$0 \le T < T_B \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o}\left(1 - \frac{T}{T_B}\right)\right]$$

$$T_B \le T < T_C \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \le T < T_D \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T}\right)$$

$$T_D \le T \qquad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2}\right)$$

I valori di S_S, T_B, T_C e T_D, sono riportati nella seguenteTabella

Categoria di sottosuolo	S_S	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3); nel caso di RSL i valori sono unitari
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito in esame
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito in esame
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Simbologia adottata nelle tabelle

Se(t)	Accelerazioni dello spettro di input
Tr	Periodo di ritorno
Tmin	Valore minore tra i tre periodi di vibrazione dell'edificio con massa partecipante più elevata
2Tmax	Valore maggiore tra i tre periodi di vibrazione dell'edificio con massa partecipante più elevata moltiplicato per due
Integrale RSL	Integrale dello spettro di risposta sismica locale valutato nell'intervallo compreso tra Tmin e 2Tmax
Integrale NTC*1.2	Integrale dello spettro da normativa amplificato del 20% valutato nell'intervallo compreso tra Tmin e 2Tmax
Rapporto	Rapporto tra Integrale RSL e Integrale NTC*1.2;
Esito confronto RSL vs NTC	- Possibile l'uso dello spettro NTC se Rapporto minore di 1 e RSL < NTC*1.3 - Non ammesso l'uso dello spettro NTC se RSL ≥ NTC*1.3 e Rapporto maggiore di 1 - Non ammesso l'uso dello spettro NTC (30% superato) se RSL ≥ NTC*1.3 - Non ammasso l'uso dello spettro NTC (rapporto integrali) se Rapporto maggiore di 1
Se(t) RSL	Accelerazioni dello spettro di risposta sismica locale
Se(t) NTC*1.3	Accelerazioni dello spettro da normativa amplificate del 30%

Confronto ord.55	Confronto tra lo spettro di risposta sismica locale e lo spettro da normativa amplificato del 30% nell'intervallo compreso tra Tmin e 2Tmax secondo l'Ordinanza n. 55 – 24/04/2018: - Non richiesto (ad di fuori dell'intervallo compreso tra Tmin e 2Tmax); - RSL <= NTC*1.3; - RSL > NTC*1.3
Esito confronto RSL vs NTC (0.7 A)	Se lo spettro di risposta sismica locale è minore del 70% dello spettro da normativa non è consentito l'uso dello spettro di risposta sismica locale (7.2.6 NTC 2018): - Possibile l'uso dello spettro RSL; - Non ammesso l'uso di RSL (0.7 non superato).
Se(t) NTC*0.7 suolo tipo A	70% delle Accelerazioni dello spettro da normativa valutato per categoria A di sottosuolo
Confronto NTC	Confronto tra lo spettro di risposta sismica locale e il 70% dello spettro da normativa: - RSL >= NTC_A*0.7; - RSL < NTC_A*0.7

A seguire sono riportati i confronti tra pericolosità sismica RSL e NTC come previsto da Ordinanza n.55 – 24/04/2018 e NTC (7.2.6)

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	13.716	43.160	
22980	13.696	43.135	3.352
22981	13.764	43.135	4.793
22759	13.764	43.185	4.667
22758	13.696	43.185	3.170

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.080	2.486	0.451
SLD	63.0	35.2	0.087	2.501	0.455
SLV	10.0	332.2	0.214	2.425	0.453
SLC	5.0	682.4	0.277	2.349	0.462

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.080	1.000	2.486	0.950	0.150	0.451	1.921
SLD	0.087	1.000	2.501	0.994	0.152	0.455	1.946
SLV	0.214	1.000	2.425	1.513	0.151	0.453	2.454
SLC	0.277	1.000	2.349	1.668	0.154	0.462	2.707

Modo	Frequenza	Periodo	X M efficace x g	%	Y M efficace x g	%	Z M efficace x g	%	RZ M efficace x g	%
	1/sec	sec	daN		daN		daN		daN cm2	
1	9.17	0.11	4.5	0	4.166e+05	92	0.9	0	2.599e+05	1

Modo	Frequenza	Periodo	X M efficace x g	%	Y M efficace x g	%	Z M efficace x g	%	RZ M efficace x g	%
2	9.32	0.11	4.358e+05	97	9.9	0	20.6	0	619.0	0
3	9.70	0.10	23.3	0	1.535e+04	3	0.1	0	1.865e+07	98
4	14.02	0.07	1588.9	0	43.0	0	4.015e+05	89	186.9	0
5	14.48	0.07	10.0	0	1.633e+04	3	1110.5	0	2.000e+04	0
6	14.66	0.07	1.089e+04	2	20.5	0	4.554e+04	10	0.7	0

Periodo di ritorno <Tr>	Accelerazione max <ag>	Amplificazione <Fo>	Inizio v=costante <T*c>
	[g]		[s]
30	0.080	2.486	0.451
50	0.102	2.533	0.464
72	0.123	2.645	0.438
75	0.126	2.658	0.435
101	0.140	2.610	0.439
140	0.157	2.558	0.443
201	0.179	2.501	0.447
475	0.242	2.372	0.458
712	0.280	2.314	0.463
975	0.315	2.327	0.466
2475	0.444	2.293	0.485

Confronto spettri RSL vs NTC	
Tmin	0.100
2Tmax	0.700
Integrale RSL	0.315
Integrale NTC*1.2	0.517
Rapporto	0.610
Esito confronto	Possibile l'uso dello spettro NTC

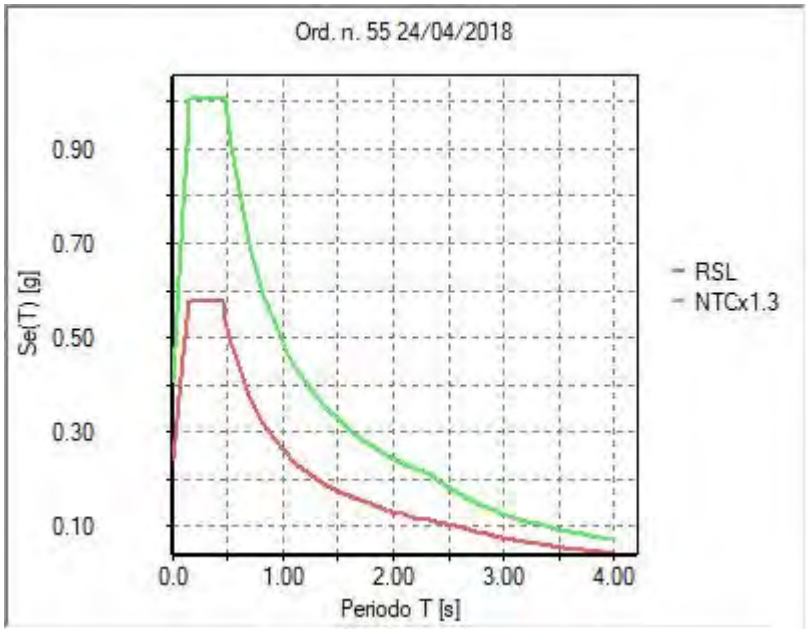


Figura 26

Periodo	Se(t) RSL	Se(t) NTC*1.3	Confronto ord.55
[s]	[g]	[g]	
0.000	0.243	0.407	Non richiesto
0.100	0.460	0.775	RSL <= NTC*1.3
0.153	0.575	0.968	RSL <= NTC*1.3
0.162	0.575	1.004	RSL <= NTC*1.3
0.249	0.575	1.004	RSL <= NTC*1.3
0.346	0.575	1.004	RSL <= NTC*1.3
0.443	0.575	1.004	RSL <= NTC*1.3
0.458	0.575	1.004	RSL <= NTC*1.3
0.487	0.541	1.004	RSL <= NTC*1.3
0.539	0.488	0.907	RSL <= NTC*1.3
0.636	0.414	0.769	RSL <= NTC*1.3
0.700	0.376	0.699	RSL <= NTC*1.3
0.733	0.359	0.668	Non richiesto
0.830	0.318	0.590	Non richiesto
0.926	0.284	0.528	Non richiesto
1.023	0.258	0.478	Non richiesto
1.120	0.235	0.437	Non richiesto
1.216	0.217	0.402	Non richiesto
1.313	0.201	0.373	Non richiesto
1.410	0.187	0.347	Non richiesto
1.506	0.175	0.325	Non richiesto
1.603	0.164	0.305	Non richiesto

Periodo	Se(t) RSL	Se(t) NTC*1.3	Confronto ord.55
1.700	0.155	0.288	Non richiesto
1.796	0.147	0.272	Non richiesto
1.893	0.139	0.259	Non richiesto
1.990	0.132	0.246	Non richiesto
2.087	0.126	0.235	Non richiesto
2.183	0.121	0.224	Non richiesto
2.280	0.116	0.215	Non richiesto
2.330	0.113	0.210	Non richiesto
2.377	0.111	0.202	Non richiesto
2.473	0.107	0.186	Non richiesto
2.570	0.103	0.173	Non richiesto
2.627	0.098	0.165	Non richiesto
2.684	0.094	0.158	Non richiesto
2.742	0.090	0.152	Non richiesto
2.799	0.086	0.146	Non richiesto
2.856	0.083	0.140	Non richiesto
2.913	0.080	0.134	Non richiesto
2.970	0.077	0.129	Non richiesto
3.028	0.074	0.124	Non richiesto
3.085	0.071	0.120	Non richiesto
3.142	0.069	0.116	Non richiesto
3.199	0.066	0.111	Non richiesto
3.256	0.064	0.108	Non richiesto
3.314	0.062	0.104	Non richiesto
3.371	0.060	0.100	Non richiesto
3.428	0.058	0.097	Non richiesto
3.485	0.056	0.094	Non richiesto
3.542	0.054	0.091	Non richiesto
3.600	0.052	0.088	Non richiesto
3.657	0.051	0.085	Non richiesto
3.714	0.049	0.083	Non richiesto
3.771	0.048	0.080	Non richiesto
3.828	0.046	0.078	Non richiesto
3.886	0.045	0.076	Non richiesto
3.943	0.044	0.073	Non richiesto
4.000	0.042	0.071	Non richiesto

Confronto spettro RSL vs NTC (0.7 A)	
Esito confronto	Possibile l'uso dello spettro RSL

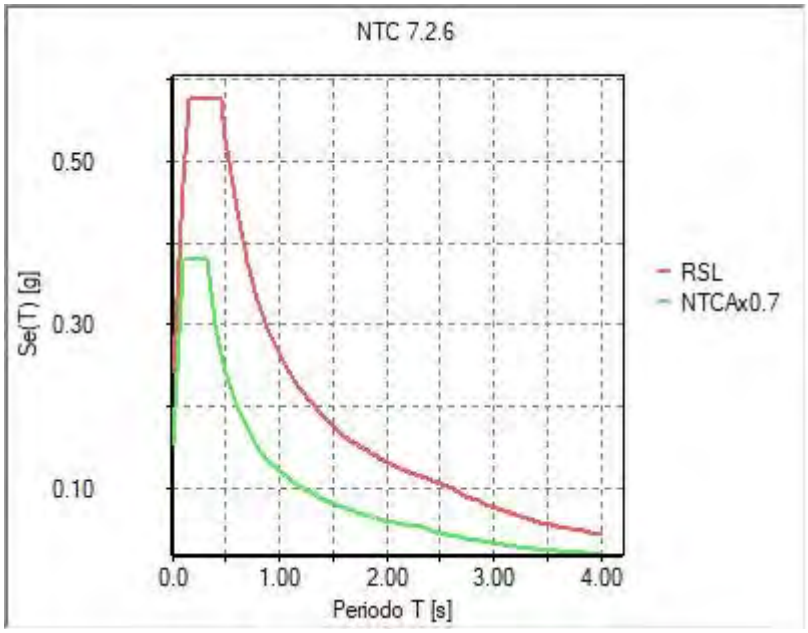


Figura 27

Periodo	**Se(t) RSL**	**Se(t) NTC*0.7 suolo tipo A**	**Confronto NTC**
[s]	[g]	[g]	
0.000	0.243	0.153	RSL >= NTC_A*0.7
0.106	0.474	0.378	RSL >= NTC_A*0.7
0.153	0.575	0.378	RSL >= NTC_A*0.7
0.205	0.575	0.378	RSL >= NTC_A*0.7
0.303	0.575	0.378	RSL >= NTC_A*0.7
0.318	0.575	0.378	RSL >= NTC_A*0.7
0.402	0.575	0.299	RSL >= NTC_A*0.7
0.458	0.575	0.263	RSL >= NTC_A*0.7
0.500	0.527	0.240	RSL >= NTC_A*0.7
0.599	0.440	0.201	RSL >= NTC_A*0.7
0.697	0.378	0.172	RSL >= NTC_A*0.7
0.796	0.331	0.151	RSL >= NTC_A*0.7
0.894	0.295	0.134	RSL >= NTC_A*0.7
0.993	0.265	0.121	RSL >= NTC_A*0.7
1.092	0.241	0.110	RSL >= NTC_A*0.7
1.190	0.221	0.101	RSL >= NTC_A*0.7
1.289	0.204	0.093	RSL >= NTC_A*0.7
1.387	0.190	0.087	RSL >= NTC_A*0.7
1.486	0.177	0.081	RSL >= NTC_A*0.7
1.584	0.166	0.076	RSL >= NTC_A*0.7
1.683	0.157	0.071	RSL >= NTC_A*0.7
1.782	0.148	0.068	RSL >= NTC_A*0.7
1.880	0.140	0.064	RSL >= NTC_A*0.7
1.979	0.133	0.061	RSL >= NTC_A*0.7
2.077	0.127	0.058	RSL >= NTC_A*0.7
2.176	0.121	0.055	RSL >= NTC_A*0.7
2.274	0.116	0.053	RSL >= NTC_A*0.7

Periodo	Se(t) RSL	Se(t) NTC*0.7 suolo tipo A	Confronto NTC
2.330	0.113	0.052	RSL >= NTC_A*0.7
2.373	0.111	0.050	RSL >= NTC_A*0.7
2.471	0.107	0.046	RSL >= NTC_A*0.7
2.570	0.103	0.042	RSL >= NTC_A*0.7
2.627	0.098	0.041	RSL >= NTC_A*0.7
2.684	0.094	0.039	RSL >= NTC_A*0.7
2.742	0.090	0.037	RSL >= NTC_A*0.7
2.799	0.086	0.036	RSL >= NTC_A*0.7
2.856	0.083	0.034	RSL >= NTC_A*0.7
2.913	0.080	0.033	RSL >= NTC_A*0.7
2.970	0.077	0.032	RSL >= NTC_A*0.7
3.028	0.074	0.031	RSL >= NTC_A*0.7
3.085	0.071	0.029	RSL >= NTC_A*0.7
3.142	0.069	0.028	RSL >= NTC_A*0.7
3.199	0.066	0.027	RSL >= NTC_A*0.7
3.256	0.064	0.026	RSL >= NTC_A*0.7
3.314	0.062	0.026	RSL >= NTC_A*0.7
3.371	0.060	0.025	RSL >= NTC_A*0.7
3.428	0.058	0.024	RSL >= NTC_A*0.7
3.485	0.056	0.023	RSL >= NTC_A*0.7
3.542	0.054	0.022	RSL >= NTC_A*0.7
3.600	0.052	0.022	RSL >= NTC_A*0.7
3.657	0.051	0.021	RSL >= NTC_A*0.7
3.714	0.049	0.020	RSL >= NTC_A*0.7
3.771	0.048	0.020	RSL >= NTC_A*0.7
3.828	0.046	0.019	RSL >= NTC_A*0.7
3.886	0.045	0.019	RSL >= NTC_A*0.7
3.943	0.044	0.018	RSL >= NTC_A*0.7
4.000	0.042	0.018	RSL >= NTC_A*0.7

Periodo di ritorno <Tr>	Esito confronto
30	Possibile l'uso dello spettro RSL
50	Possibile l'uso dello spettro RSL
72	Possibile l'uso dello spettro RSL
101	Possibile l'uso dello spettro RSL
140	Possibile l'uso dello spettro RSL
201	Possibile l'uso dello spettro RSL
475	Possibile l'uso dello spettro RSL
975	Possibile l'uso dello spettro RSL
2475	Possibile l'uso dello spettro RSL

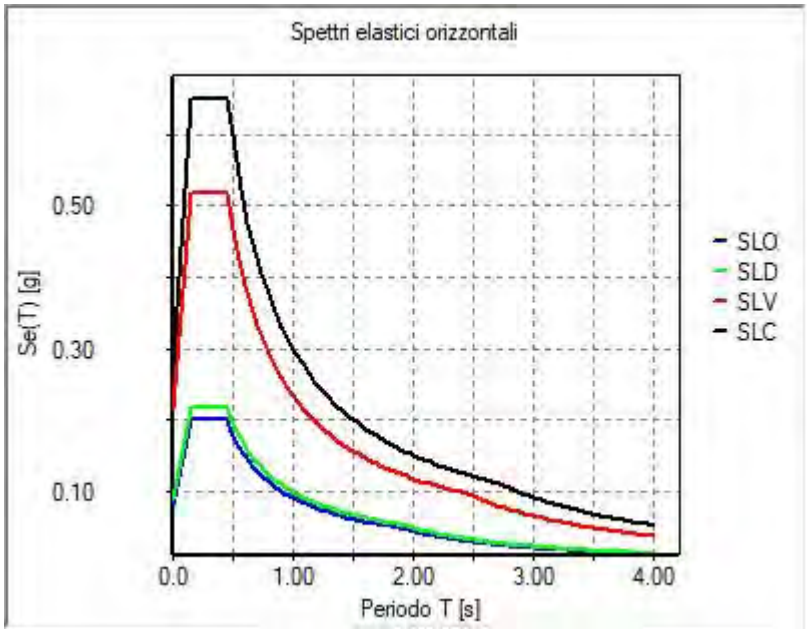


Figura 28 - SPETTRI_ELASTICI_O

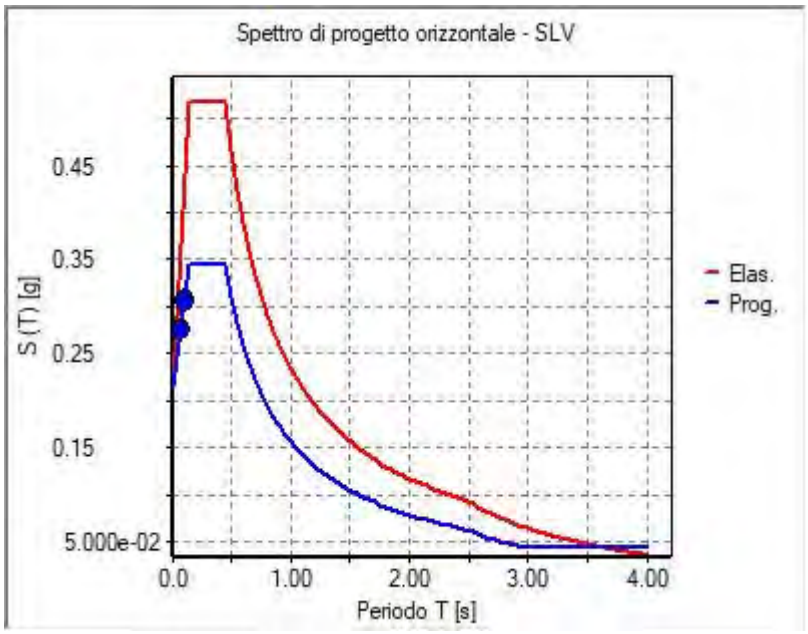


Figura 29 - DIA_SPETTRI_PROGETTO_SLV_O

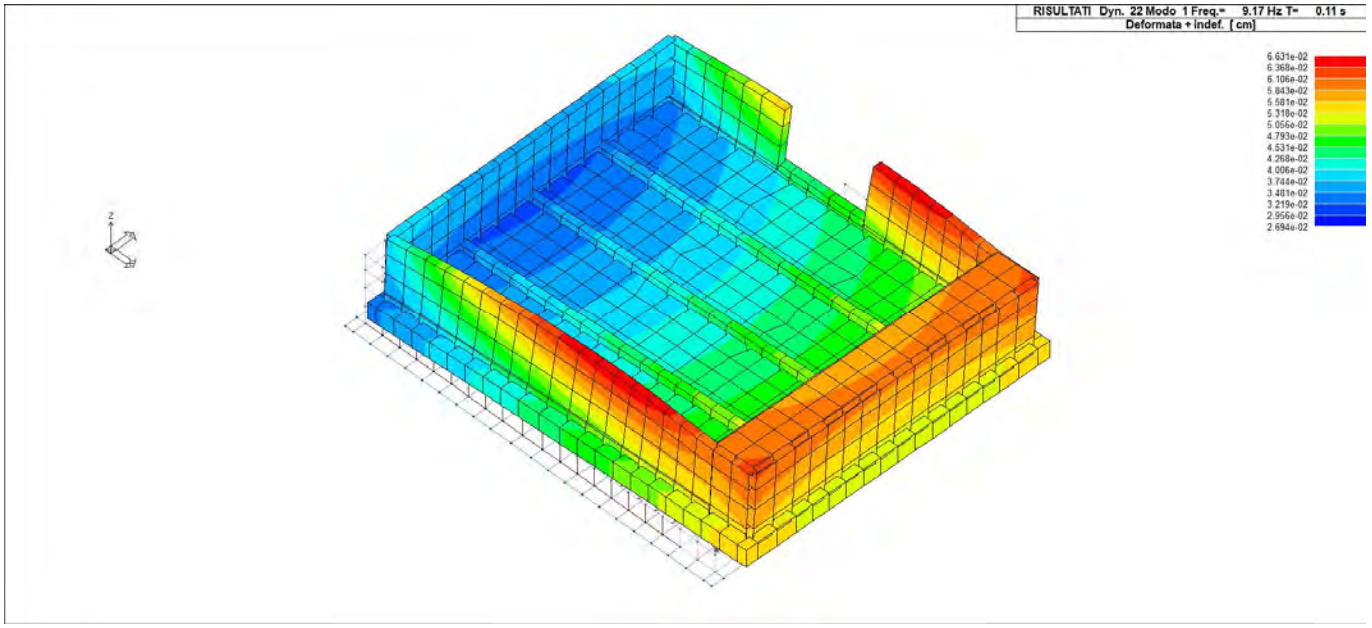


Figura 30 - INPSIS_001_FORME MODALI

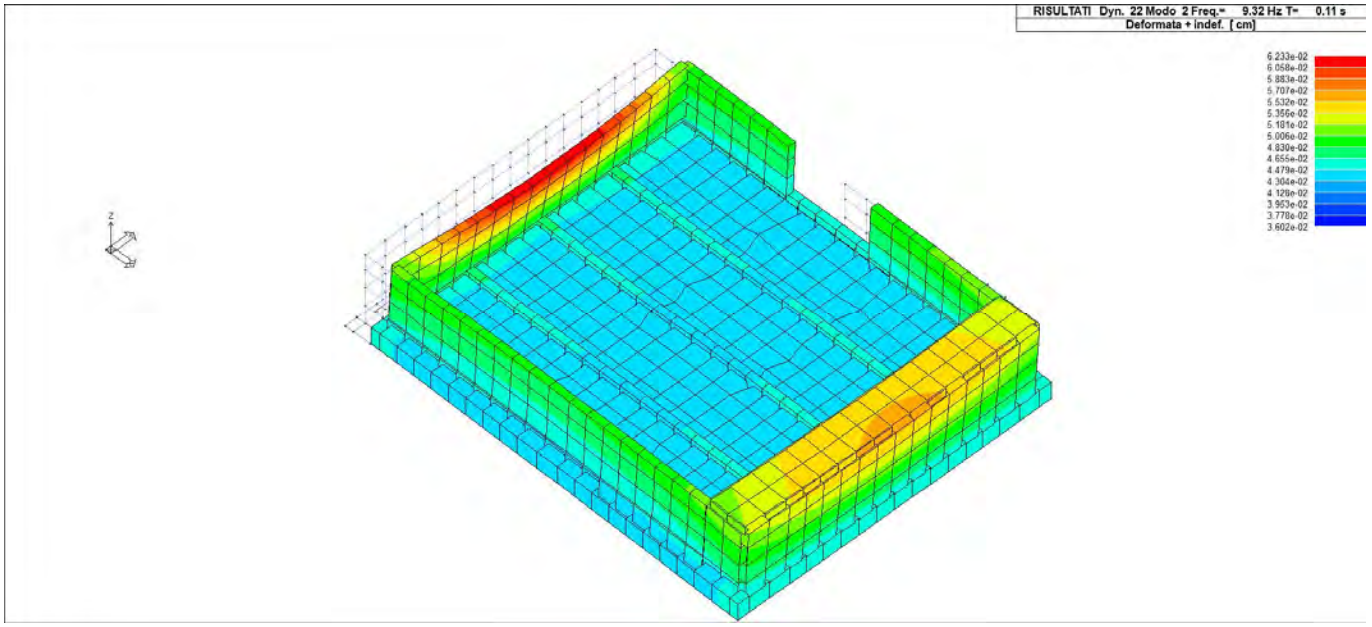


Figura 31 - INPSIS_002_FORME MODALI

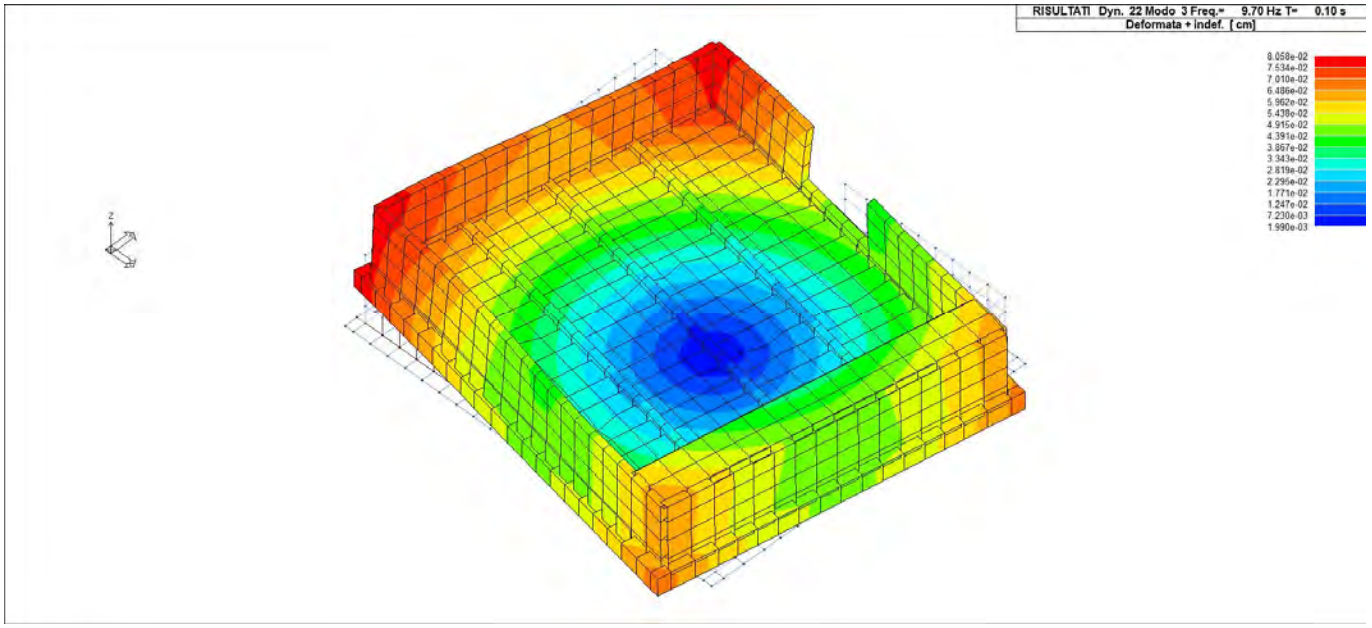


Figura 32 - INPSIS_003_FORME MODALI

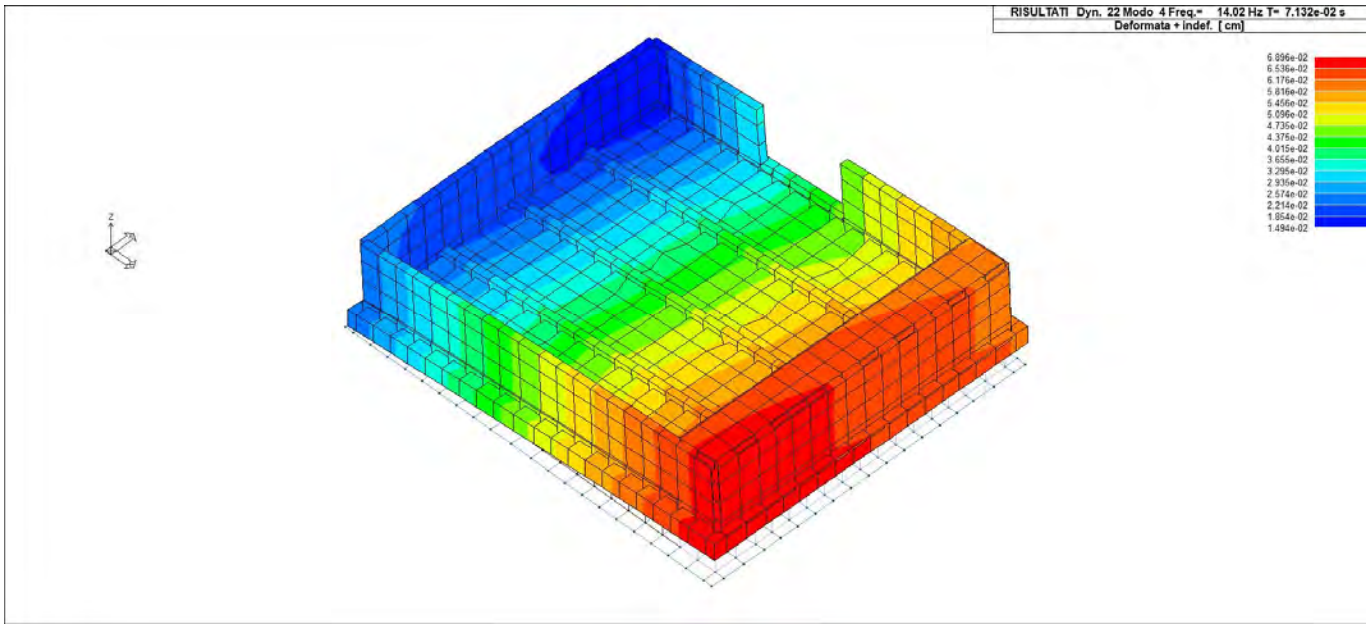


Figura 33 - INPSIS_004_FORME MODALI

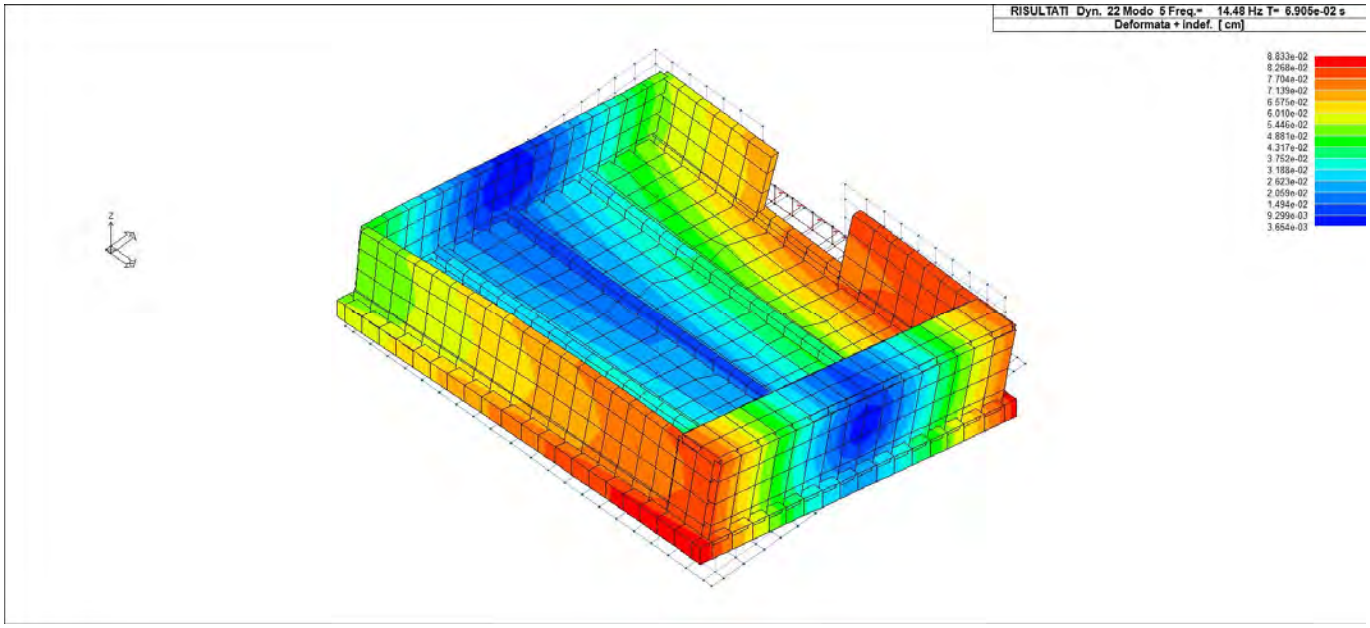


Figura 34 - INPSIS_005_FORME MODALI

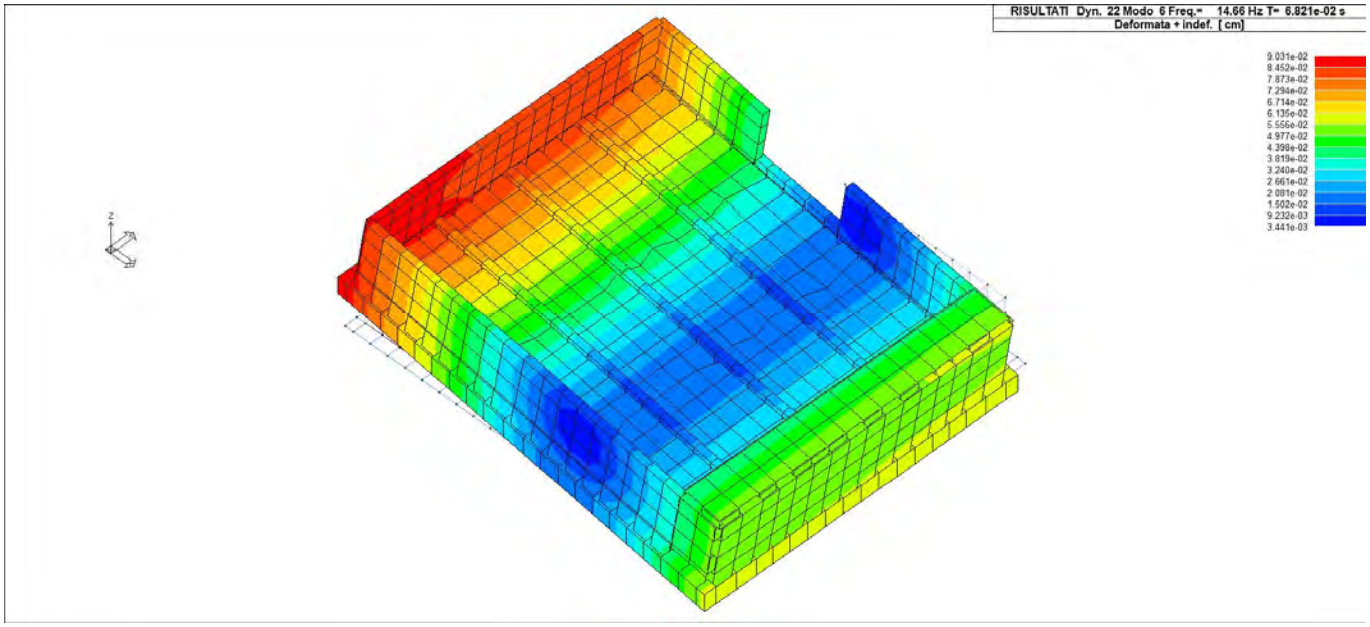


Figura 35 - INPSIS_006_FORME MODALI

14 RISULTATI ANALISI SISMICHE

14.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:
9. Esk caso di carico sismico con analisi statica equivalente
10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l' azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Amplificazione ND	Coefficiente di amplificazione q/qND delle azioni sismiche (solo per elementi progettati in campo non dissipativo)
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell'ordinata dello spettro in uso nel tratto costante
N°di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Nel caso di elementi progettati in campo non dissipativo vengono adottate le sollecitazioni calcolate con un fattore qND ricavato come da 7.3.2 in funzione del fattore di comportamento q utilizzato per la struttura: 1<qND=2/3*q < 1.5

Il coefficiente di amplificazione delle azioni sismiche rispetto alle azioni calcolate con il fattore di comportamento globale viene indicato nelle relative tabelle.

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

a) analisi sismica statica equivalente:
   - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
   - azione sismica complessiva

b) analisi sismica dinamica con spettro di risposta:
   - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo) **,** indici di regolarità e/r secondo EC8 4.2.3.2
   - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
   - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità 1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.
In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio

Gam c(a,s,t)	Deformazioni di taglio dell' elestomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

1) V > 0
2) Sig s < fyk
3) Gam t < 5
4) Gam s < Gam * (caratteristica dell' elastomero)
5) Gam s < 2
6) V < 0.5 Vcr

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.345 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.111 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 3.046
			classe di duttilità CD: ND
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	0.0	-61.25	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	0.0	-61.25	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	0.0	-61.25	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	0.0	-61.25	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	9.033	0.111	0.310	2.817e+05	62.7	4.089e+04	9.1	8.13	1.81e-03	0.0	0.0
2	9.194	0.109	0.308	4.369e+04	9.7	3.862e+05	86.0	5.16	1.15e-03	0.0	0.0
3	10.020	0.100	0.301	1.100e+05	24.5	4889.76	1.1	10.52	2.34e-03	0.0	0.0
4	14.022	0.071	0.276	1604.46	0.4	28.68	6.39e-03	4.020e+05	89.5	0.0	0.0
5	14.485	0.069	0.274	3.60	8.02e-04	1.635e+04	3.6	229.40	5.11e-02	0.0	0.0
6	14.663	0.068	0.273	1.105e+04	2.5	9.61	2.14e-03	4.602e+04	10.2	0.0	0.0
7	16.239	0.062	0.267	398.32	8.87e-02	39.08	8.70e-03	113.05	2.52e-02	0.0	0.0
8	19.885	0.050	0.257	3.63	8.09e-04	12.98	2.89e-03	523.70	0.1	0.0	0.0
9	21.783	0.046	0.254	92.65	2.06e-02	108.65	2.42e-02	0.93	2.08e-04	0.0	0.0
10	27.068	0.037	0.246	112.74	2.51e-02	223.14	4.97e-02	7.04	1.57e-03	0.0	0.0
11	28.161	0.036	0.245	187.64	4.18e-02	98.39	2.19e-02	11.07	2.47e-03	0.0	0.0
12	30.191	0.033	0.242	3.33	7.42e-04	0.02	3.96e-06	5.20	1.16e-03	0.0	0.0
Risulta				4.488e+05		4.489e+05		4.489e+05			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
In percentuale				99.95		99.97		99.98			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.345 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.111 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 3.045
			classe di duttilità CD: ND
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	0.0	61.25	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	0.0	61.25	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	0.0	61.25	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	0.0	61.25	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	9.027	0.111	0.310	2.819e+05	62.8	3.839e+04	8.6	11.32	2.52e-03	0.0	0.0
2	9.194	0.109	0.308	4.141e+04	9.2	3.888e+05	86.6	0.14	3.07e-05	0.0	0.0
3	10.021	0.100	0.301	1.121e+05	25.0	4815.70	1.1	13.70	3.05e-03	0.0	0.0
4	14.022	0.071	0.276	1605.41	0.4	60.04	1.34e-02	4.016e+05	89.5	0.0	0.0
5	14.482	0.069	0.274	18.30	4.07e-03	1.618e+04	3.6	2604.76	0.6	0.0	0.0
6	14.664	0.068	0.273	1.106e+04	2.5	143.05	3.19e-02	4.383e+04	9.8	0.0	0.0
7	16.205	0.062	0.267	160.99	3.59e-02	49.37	1.10e-02	212.03	4.72e-02	0.0	0.0
8	19.479	0.051	0.258	8.46	1.88e-03	23.76	5.29e-03	556.83	0.1	0.0	0.0
9	21.695	0.046	0.254	111.16	2.48e-02	101.65	2.26e-02	7.79	1.74e-03	0.0	0.0
10	27.049	0.037	0.246	131.80	2.94e-02	225.64	5.03e-02	7.89	1.76e-03	0.0	0.0
11	28.064	0.036	0.245	224.28	5.00e-02	96.56	2.15e-02	14.45	3.22e-03	0.0	0.0
12	30.125	0.033	0.243	0.37	8.27e-05	0.60	1.33e-04	6.78	1.51e-03	0.0	0.0
Risulta				4.488e+05		4.489e+05		4.489e+05			
In percentuale				99.95		99.97		99.98			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.000

CDC	Tipo	Sigla Id	Note
			ordinata spettro (tratto Tb-Tc) = 0.345 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.114 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 2.995
			classe di duttilità CD: ND
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	74.00	0.0	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	74.00	0.0	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	3.20	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	74.00	0.0	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	3.20	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	74.00	0.0	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	8.808	0.114	0.313	5.79	1.29e-03	3.260e+05	72.6	0.47	1.06e-04	0.0	0.0
2	9.319	0.107	0.307	4.358e+05	97.1	7.56	1.68e-03	20.58	4.58e-03	0.0	0.0
3	10.250	0.098	0.299	0.62	1.38e-04	1.057e+05	23.5	0.69	1.54e-04	0.0	0.0
4	14.022	0.071	0.276	1588.58	0.4	43.95	9.79e-03	4.015e+05	89.4	0.0	0.0
5	14.477	0.069	0.274	5.75	1.28e-03	1.673e+04	3.7	1027.61	0.2	0.0	0.0
6	14.661	0.068	0.273	1.090e+04	2.4	10.59	2.36e-03	4.563e+04	10.2	0.0	0.0
7	16.260	0.062	0.267	12.94	2.88e-03	10.08	2.25e-03	147.12	3.28e-02	0.0	0.0
8	19.686	0.051	0.258	0.21	4.67e-05	24.43	5.44e-03	542.84	0.1	0.0	0.0
9	22.025	0.045	0.253	111.17	2.48e-02	82.22	1.83e-02	6.68	1.49e-03	0.0	0.0
10	27.569	0.036	0.245	182.83	4.07e-02	150.87	3.36e-02	1.51	3.36e-04	0.0	0.0
11	28.339	0.035	0.244	132.81	2.96e-02	137.51	3.06e-02	14.32	3.19e-03	0.0	0.0
12	30.642	0.033	0.242	13.00	2.89e-03	0.03	6.73e-06	29.72	6.62e-03	0.0	0.0
Risulta				4.488e+05		4.488e+05		4.489e+05			
In percentuale				99.95		99.97		99.98			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.345 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.112 s
			fattore q: 1.500
			amplificazione ND (non dissipativi): 1.000
			fattore per spost. mu d: 3.023
			classe di duttilità CD: ND
			numero di modi considerati: 12

CDC	Tipo	Sigla Id	Note
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	-74.00	0.0	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	-74.00	0.0	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	-3.20	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	-74.00	0.0	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	-3.20	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	-74.00	0.0	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	8.931	0.112	0.311	15.84	3.53e-03	3.337e+05	74.3	0.63	1.40e-04	0.0	0.0
2	9.319	0.107	0.307	4.358e+05	97.1	20.84	4.64e-03	20.68	4.61e-03	0.0	0.0
3	9.936	0.101	0.301	5.90	1.31e-03	9.734e+04	21.7	0.39	8.64e-05	0.0	0.0
4	14.022	0.071	0.276	1588.97	0.4	42.56	9.48e-03	4.015e+05	89.4	0.0	0.0
5	14.502	0.069	0.274	18.80	4.19e-03	1.695e+04	3.8	1196.24	0.3	0.0	0.0
6	14.661	0.068	0.273	1.088e+04	2.4	40.68	9.06e-03	4.540e+04	10.1	0.0	0.0
7	16.159	0.062	0.268	12.62	2.81e-03	249.13	5.55e-02	168.51	3.75e-02	0.0	0.0
8	19.687	0.051	0.258	0.05	1.13e-05	10.04	2.24e-03	538.19	0.1	0.0	0.0
9	21.392	0.047	0.254	89.96	2.00e-02	134.69	3.00e-02	1.38	3.07e-04	0.0	0.0
10	26.449	0.038	0.247	69.99	1.56e-02	305.98	6.81e-02	14.13	3.15e-03	0.0	0.0
11	27.814	0.036	0.245	240.75	5.36e-02	57.56	1.28e-02	4.01	8.93e-04	0.0	0.0
12	29.284	0.034	0.243	17.62	3.93e-03	3.67	8.18e-04	3.67	8.17e-04	0.0	0.0
Risulta				4.488e+05		4.488e+05		4.489e+05			
In percentuale				99.95		99.97		99.98			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.217 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.111 s
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	0.0	-61.25	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	0.0	-61.25	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	0.0	-61.25	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	0.0	-61.25	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	9.033	0.111	0.181	2.817e+05	62.7	4.089e+04	9.1	8.13	1.81e-03	0.0	0.0
2	9.194	0.109	0.180	4.369e+04	9.7	3.862e+05	86.0	5.16	1.15e-03	0.0	0.0
3	10.020	0.100	0.172	1.100e+05	24.5	4889.76	1.1	10.52	2.34e-03	0.0	0.0
4	14.022	0.071	0.148	1604.46	0.4	28.68	6.39e-03	4.020e+05	89.5	0.0	0.0
5	14.485	0.069	0.146	3.60	8.02e-04	1.635e+04	3.6	229.40	5.11e-02	0.0	0.0
6	14.663	0.068	0.145	1.105e+04	2.5	9.61	2.14e-03	4.602e+04	10.2	0.0	0.0
7	16.239	0.062	0.139	398.32	8.87e-02	39.08	8.70e-03	113.05	2.52e-02	0.0	0.0
8	19.885	0.050	0.130	3.63	8.09e-04	12.98	2.89e-03	523.70	0.1	0.0	0.0
9	21.783	0.046	0.126	92.65	2.06e-02	108.65	2.42e-02	0.93	2.08e-04	0.0	0.0
10	27.068	0.037	0.118	112.74	2.51e-02	223.14	4.97e-02	7.04	1.57e-03	0.0	0.0
11	28.161	0.036	0.117	187.64	4.18e-02	98.39	2.19e-02	11.07	2.47e-03	0.0	0.0
12	30.191	0.033	0.115	3.33	7.42e-04	0.02	3.96e-06	5.20	1.16e-03	0.0	0.0
Risulta				4.488e+05		4.489e+05		4.489e+05			
In percentuale				99.95		99.97		99.98			

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.217 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.111 s
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	0.0	61.25	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	0.0	61.25	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	0.0	61.25	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	0.0	61.25	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	9.027	0.111	0.181	2.819e+05	62.8	3.839e+04	8.6	11.32	2.52e-03	0.0	0.0
2	9.194	0.109	0.180	4.141e+04	9.2	3.888e+05	86.6	0.14	3.07e-05	0.0	0.0
3	10.021	0.100	0.172	1.121e+05	25.0	4815.70	1.1	13.70	3.05e-03	0.0	0.0
4	14.022	0.071	0.148	1605.41	0.4	60.04	1.34e-02	4.016e+05	89.5	0.0	0.0
5	14.482	0.069	0.146	18.30	4.07e-03	1.618e+04	3.6	2604.76	0.6	0.0	0.0
6	14.664	0.068	0.145	1.106e+04	2.5	143.05	3.19e-02	4.383e+04	9.8	0.0	0.0
7	16.205	0.062	0.139	160.99	3.59e-02	49.37	1.10e-02	212.03	4.72e-02	0.0	0.0
8	19.479	0.051	0.131	8.46	1.88e-03	23.76	5.29e-03	556.83	0.1	0.0	0.0
9	21.695	0.046	0.126	111.16	2.48e-02	101.65	2.26e-02	7.79	1.74e-03	0.0	0.0
10	27.049	0.037	0.118	131.80	2.94e-02	225.64	5.03e-02	7.89	1.76e-03	0.0	0.0
11	28.064	0.036	0.117	224.28	5.00e-02	96.56	2.15e-02	14.45	3.22e-03	0.0	0.0
12	30.125	0.033	0.115	0.37	8.27e-05	0.60	1.33e-04	6.78	1.51e-03	0.0	0.0
Risulta				4.488e+05		4.489e+05		4.489e+05			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
In percentuale				99.95		99.97		99.98			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: C
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.217 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.114 s
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	74.00	0.0	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	74.00	0.0	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	3.20	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	74.00	0.0	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	3.20	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	74.00	0.0	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	8.808	0.114	0.184	5.79	1.29e-03	3.260e+05	72.6	0.47	1.06e-04	0.0	0.0
2	9.319	0.107	0.178	4.358e+05	97.1	7.56	1.68e-03	20.58	4.58e-03	0.0	0.0
3	10.250	0.098	0.170	0.62	1.38e-04	1.057e+05	23.5	0.69	1.54e-04	0.0	0.0
4	14.022	0.071	0.148	1588.58	0.4	43.95	9.79e-03	4.015e+05	89.4	0.0	0.0
5	14.477	0.069	0.146	5.75	1.28e-03	1.673e+04	3.7	1027.61	0.2	0.0	0.0
6	14.661	0.068	0.145	1.090e+04	2.4	10.59	2.36e-03	4.563e+04	10.2	0.0	0.0
7	16.260	0.062	0.139	12.94	2.88e-03	10.08	2.25e-03	147.12	3.28e-02	0.0	0.0
8	19.686	0.051	0.130	0.21	4.67e-05	24.43	5.44e-03	542.84	0.1	0.0	0.0
9	22.025	0.045	0.125	111.17	2.48e-02	82.22	1.83e-02	6.68	1.49e-03	0.0	0.0
10	27.569	0.036	0.118	182.83	4.07e-02	150.87	3.36e-02	1.51	3.36e-04	0.0	0.0
11	28.339	0.035	0.117	132.81	2.96e-02	137.51	3.06e-02	14.32	3.19e-03	0.0	0.0
12	30.642	0.033	0.115	13.00	2.89e-03	0.03	6.73e-06	29.72	6.62e-03	0.0	0.0
Risulta				4.488e+05		4.488e+05		4.489e+05			
In percentuale				99.95		99.97		99.98			

CDC	Tipo	Sigla Id	Note
17	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.000
			ordinata spettro (tratto Tb-Tc) = 0.217 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.112 s

CDC	Tipo	Sigla Id	Note
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
242.50	2.851e+04	1849.01	945.88	-74.00	0.0	1661.59	486.50	1.754	0.255	0.508
180.00	3.298e+04	1585.86	929.14	-74.00	0.0	1661.59	486.50	1.754	0.103	0.490
107.50	453.50	2132.74	1576.00	-3.20	0.0	0.0	0.0	0.0	0.0	0.0
102.50	3.587e+04	1576.07	917.45	-74.00	0.0	1661.58	435.58	1.635	0.121	0.540
27.50	467.52	2127.16	1576.00	-3.20	0.0	0.0	0.0	0.0	0.0	0.0
25.00	3.507e+05	1408.12	969.32	-74.00	0.0	1661.22	963.26	1.273	0.260	0.010
Risulta	4.490e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	8.931	0.112	0.182	15.84	3.53e-03	3.337e+05	74.3	0.63	1.40e-04	0.0	0.0
2	9.319	0.107	0.178	4.358e+05	97.1	20.84	4.64e-03	20.68	4.61e-03	0.0	0.0
3	9.936	0.101	0.173	5.90	1.31e-03	9.734e+04	21.7	0.39	8.64e-05	0.0	0.0
4	14.022	0.071	0.148	1588.97	0.4	42.56	9.48e-03	4.015e+05	89.4	0.0	0.0
5	14.502	0.069	0.146	18.80	4.19e-03	1.695e+04	3.8	1196.24	0.3	0.0	0.0
6	14.661	0.068	0.145	1.088e+04	2.4	40.68	9.06e-03	4.540e+04	10.1	0.0	0.0
7	16.159	0.062	0.140	12.62	2.81e-03	249.13	5.55e-02	168.51	3.75e-02	0.0	0.0
8	19.687	0.051	0.130	0.05	1.13e-05	10.04	2.24e-03	538.19	0.1	0.0	0.0
9	21.392	0.047	0.127	89.96	2.00e-02	134.69	3.00e-02	1.38	3.07e-04	0.0	0.0
10	26.449	0.038	0.119	69.99	1.56e-02	305.98	6.81e-02	14.13	3.15e-03	0.0	0.0
11	27.814	0.036	0.117	240.75	5.36e-02	57.56	1.28e-02	4.01	8.93e-04	0.0	0.0
12	29.284	0.034	0.116	17.62	3.93e-03	3.67	8.18e-04	3.67	8.17e-04	0.0	0.0
Risulta				4.488e+05		4.488e+05		4.489e+05			
In percentuale				99.95		99.97		99.98			

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
			cm	cm			cm	cm			cm	cm
197	1	0.04	1.19e-03	30.0	2	0.04	1.06e-03	25.0	3	0.04	1.02e-03	25.0
	4	0.04	9.88e-04	25.0	5	0.04	9.46e-04	25.0	6	0.04	1.05e-03	25.0
	7	0.04	1.02e-03	25.0	8	0.04	9.61e-04	25.0	9	0.04	9.39e-04	25.0
	10	0.04	1.02e-03	25.0	11	0.04	9.81e-04	25.0	12	0.04	9.23e-04	25.0
198	1	0.04	1.24e-03	30.0	2	0.04	1.02e-03	25.0	3	0.04	1.02e-03	25.0
	4	0.04	9.75e-04	25.0	5	0.04	8.95e-04	25.0	6	0.04	1.06e-03	25.0
	7	0.04	1.02e-03	25.0	8	0.04	9.57e-04	25.0	9	0.04	9.42e-04	25.0
	10	0.04	1.01e-03	25.0	11	0.04	9.89e-04	25.0	12	0.04	9.88e-04	25.0
199	1	0.04	1.12e-03	30.0	2	0.04	9.45e-04	25.0	3	0.04	9.59e-04	25.0
	4	0.04	1.01e-03	25.0	5	0.04	1.08e-03	25.0	6	0.04	9.42e-04	25.0
	7	0.04	9.74e-04	25.0	8	0.04	1.03e-03	25.0	9	0.04	1.04e-03	25.0
	10	0.04	9.76e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.01e-03	25.0
200	1	0.04	1.16e-03	30.0	2	0.04	9.19e-04	25.0	3	0.04	9.60e-04	25.0
	4	0.04	9.97e-04	25.0	5	0.04	1.04e-03	25.0	6	0.04	9.45e-04	25.0
	7	0.04	9.72e-04	25.0	8	0.04	1.02e-03	25.0	9	0.04	1.05e-03	25.0
	10	0.04	9.73e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.06e-03	25.0
201	1	0.04	1.23e-03	30.0	2	0.04	1.02e-03	25.0	3	0.04	1.01e-03	25.0
	4	0.04	9.67e-04	25.0	5	0.04	8.89e-04	25.0	6	0.04	1.05e-03	25.0
	7	0.04	1.01e-03	25.0	8	0.04	9.51e-04	25.0	9	0.04	9.36e-04	25.0
	10	0.04	1.01e-03	25.0	11	0.04	9.84e-04	25.0	12	0.04	9.80e-04	25.0
202	1	0.04	1.18e-03	30.0	2	0.04	1.05e-03	25.0	3	0.04	1.02e-03	25.0
	4	0.04	9.82e-04	25.0	5	0.04	9.40e-04	25.0	6	0.04	1.05e-03	25.0
	7	0.04	1.01e-03	25.0	8	0.04	9.54e-04	25.0	9	0.04	9.32e-04	25.0
	10	0.04	1.01e-03	25.0	11	0.04	9.75e-04	25.0	12	0.04	9.18e-04	25.0

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
203	1	0.04	1.15e-03	30.0	2	0.04	9.13e-04	25.0	3	0.04	9.53e-04	25.0
	4	0.04	9.91e-04	25.0	5	0.04	1.04e-03	25.0	6	0.04	9.39e-04	25.0
	7	0.04	9.66e-04	25.0	8	0.04	1.02e-03	25.0	9	0.04	1.04e-03	25.0
	10	0.04	9.66e-04	25.0	11	0.04	9.98e-04	25.0	12	0.04	1.05e-03	25.0
204	1	0.04	1.11e-03	30.0	2	0.04	9.37e-04	25.0	3	0.04	9.51e-04	25.0
	4	0.04	1.00e-03	25.0	5	0.04	1.08e-03	25.0	6	0.04	9.35e-04	25.0
	7	0.04	9.67e-04	25.0	8	0.04	1.02e-03	25.0	9	0.04	1.04e-03	25.0
	10	0.04	9.71e-04	25.0	11	0.04	9.99e-04	25.0	12	0.04	1.01e-03	25.0
205	1	0.04	1.11e-03	30.0	2	0.04	9.49e-04	25.0	3	0.04	9.60e-04	25.0
	4	0.04	1.01e-03	25.0	5	0.04	1.08e-03	25.0	6	0.04	9.35e-04	25.0
	7	0.04	9.70e-04	25.0	8	0.04	1.03e-03	25.0	9	0.04	1.05e-03	25.0
	10	0.04	9.77e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.01e-03	25.0
206	1	0.04	1.16e-03	30.0	2	0.04	9.20e-04	25.0	3	0.04	9.62e-04	25.0
	4	0.04	9.98e-04	25.0	5	0.04	1.04e-03	25.0	6	0.04	9.37e-04	25.0
	7	0.04	9.68e-04	25.0	8	0.04	1.02e-03	25.0	9	0.04	1.05e-03	25.0
	10	0.04	9.72e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.06e-03	25.0
207	1	0.04	1.19e-03	30.0	2	0.04	1.06e-03	25.0	3	0.04	1.03e-03	25.0
	4	0.04	9.90e-04	25.0	5	0.04	9.44e-04	25.0	6	0.04	1.05e-03	25.0
	7	0.04	1.01e-03	25.0	8	0.04	9.62e-04	25.0	9	0.04	9.45e-04	25.0
	10	0.04	1.02e-03	25.0	11	0.04	9.81e-04	25.0	12	0.04	9.25e-04	25.0
208	1	0.04	1.24e-03	30.0	2	0.04	1.03e-03	25.0	3	0.04	1.02e-03	25.0
	4	0.04	9.74e-04	25.0	5	0.04	8.94e-04	25.0	6	0.04	1.05e-03	25.0
	7	0.04	1.01e-03	25.0	8	0.04	9.58e-04	25.0	9	0.04	9.48e-04	25.0
	10	0.04	1.01e-03	25.0	11	0.04	9.91e-04	25.0	12	0.04	9.90e-04	25.0
209	1	0.04	1.15e-03	30.0	2	0.04	9.14e-04	25.0	3	0.04	9.55e-04	25.0
	4	0.04	9.93e-04	25.0	5	0.04	1.04e-03	25.0	6	0.04	9.31e-04	25.0
	7	0.04	9.62e-04	25.0	8	0.04	1.02e-03	25.0	9	0.04	1.04e-03	25.0
	10	0.04	9.65e-04	25.0	11	0.04	9.98e-04	25.0	12	0.04	1.06e-03	25.0
210	1	0.04	1.11e-03	30.0	2	0.04	9.42e-04	25.0	3	0.04	9.52e-04	25.0
	4	0.04	9.99e-04	25.0	5	0.04	1.08e-03	25.0	6	0.04	9.27e-04	25.0
	7	0.04	9.63e-04	25.0	8	0.04	1.02e-03	25.0	9	0.04	1.04e-03	25.0
	10	0.04	9.72e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.01e-03	25.0
211	1	0.04	1.23e-03	30.0	2	0.04	1.02e-03	25.0	3	0.04	1.01e-03	25.0
	4	0.04	9.66e-04	25.0	5	0.04	8.88e-04	25.0	6	0.04	1.04e-03	25.0
	7	0.04	1.00e-03	25.0	8	0.04	9.52e-04	25.0	9	0.04	9.43e-04	25.0
	10	0.04	1.01e-03	25.0	11	0.04	9.85e-04	25.0	12	0.04	9.82e-04	25.0
212	1	0.04	1.18e-03	30.0	2	0.04	1.06e-03	25.0	3	0.04	1.02e-03	25.0
	4	0.04	9.83e-04	25.0	5	0.04	9.38e-04	25.0	6	0.04	1.04e-03	25.0
	7	0.04	1.01e-03	25.0	8	0.04	9.55e-04	25.0	9	0.04	9.38e-04	25.0
	10	0.04	1.01e-03	25.0	11	0.04	9.75e-04	25.0	12	0.04	9.20e-04	25.0
213	1	0.04	1.18e-03	30.0	2	0.04	1.12e-03	25.0	3	0.04	1.07e-03	25.0
	4	0.04	1.08e-03	25.0	5	0.04	1.11e-03	25.0	6	0.04	1.06e-03	25.0
	7	0.04	1.06e-03	25.0	8	0.04	1.05e-03	25.0	9	0.04	1.04e-03	25.0
	10	0.04	1.06e-03	25.0	11	0.04	1.04e-03	25.0	12	0.04	9.55e-04	25.0
214	1	0.04	1.33e-03	30.0	2	0.04	1.01e-03	25.0	3	0.04	1.07e-03	25.0
	4	0.04	1.04e-03	25.0	5	0.04	9.63e-04	25.0	6	0.04	1.07e-03	25.0
	7	0.04	1.05e-03	25.0	8	0.04	1.04e-03	25.0	9	0.04	1.05e-03	25.0
	10	0.04	1.05e-03	25.0	11	0.04	1.06e-03	25.0	12	0.05	1.14e-03	25.0
215	1	0.04	1.16e-03	30.0	2	0.04	1.08e-03	25.0	3	0.04	1.05e-03	25.0
	4	0.04	1.09e-03	25.0	5	0.05	1.15e-03	25.0	6	0.04	1.03e-03	25.0
	7	0.04	1.05e-03	25.0	8	0.04	1.07e-03	25.0	9	0.04	1.07e-03	25.0
	10	0.04	1.05e-03	25.0	11	0.04	1.05e-03	25.0	12	0.04	9.84e-04	25.0
216	1	0.04	1.31e-03	30.0	2	0.04	9.82e-04	25.0	3	0.04	1.05e-03	25.0
	4	0.04	1.05e-03	25.0	5	0.04	1.01e-03	25.0	6	0.04	1.04e-03	25.0
	7	0.04	1.04e-03	25.0	8	0.04	1.06e-03	25.0	9	0.04	1.08e-03	25.0
	10	0.04	1.04e-03	25.0	11	0.04	1.06e-03	25.0	12	0.05	1.16e-03	25.0
217	1	0.04	1.16e-03	30.0	2	0.04	1.08e-03	25.0	3	0.04	1.05e-03	25.0
	4	0.04	1.09e-03	25.0	5	0.05	1.15e-03	25.0	6	0.04	1.03e-03	25.0
	7	0.04	1.05e-03	25.0	8	0.04	1.07e-03	25.0	9	0.04	1.07e-03	25.0
	10	0.04	1.05e-03	25.0	11	0.04	1.05e-03	25.0	12	0.04	9.84e-04	25.0
218	1	0.04	1.31e-03	30.0	2	0.04	9.80e-04	25.0	3	0.04	1.05e-03	25.0
	4	0.04	1.05e-03	25.0	5	0.04	1.01e-03	25.0	6	0.04	1.04e-03	25.0
	7	0.04	1.04e-03	25.0	8	0.04	1.06e-03	25.0	9	0.04	1.08e-03	25.0
	10	0.04	1.04e-03	25.0	11	0.04	1.06e-03	25.0	12	0.05	1.16e-03	25.0
219	1	0.04	1.18e-03	30.0	2	0.04	1.11e-03	25.0	3	0.04	1.07e-03	25.0
	4	0.04	1.08e-03	25.0	5	0.04	1.11e-03	25.0	6	0.04	1.06e-03	25.0
	7	0.04	1.06e-03	25.0	8	0.04	1.05e-03	25.0	9	0.04	1.04e-03	25.0

Cmb	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h	Pilas.	1000 etaT/h	etaT	inter. h
	10	0.04	1.06e-03	25.0	11	0.04	1.04e-03	25.0	12	0.04	9.55e-04	25.0
220	1	0.04	1.33e-03	30.0	2	0.04	1.01e-03	25.0	3	0.04	1.07e-03	25.0
	4	0.04	1.04e-03	25.0	5	0.04	9.63e-04	25.0	6	0.04	1.07e-03	25.0
	7	0.04	1.05e-03	25.0	8	0.04	1.04e-03	25.0	9	0.04	1.05e-03	25.0
	10	0.04	1.05e-03	25.0	11	0.04	1.06e-03	25.0	12	0.05	1.14e-03	25.0
221	1	0.04	1.25e-03	30.0	2	0.04	9.39e-04	25.0	3	0.04	9.91e-04	25.0
	4	0.04	9.64e-04	25.0	5	0.04	8.98e-04	25.0	6	0.04	1.00e-03	25.0
	7	0.04	9.85e-04	25.0	8	0.04	9.73e-04	25.0	9	0.04	9.86e-04	25.0
	10	0.04	9.87e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.08e-03	25.0
222	1	0.04	1.09e-03	30.0	2	0.04	1.05e-03	25.0	3	0.04	9.96e-04	25.0
	4	0.04	1.01e-03	25.0	5	0.04	1.05e-03	25.0	6	0.04	9.95e-04	25.0
	7	0.04	9.91e-04	25.0	8	0.04	9.83e-04	25.0	9	0.04	9.75e-04	25.0
	10	0.04	9.98e-04	25.0	11	0.04	9.81e-04	25.0	12	0.04	8.88e-04	25.0
223	1	0.04	1.22e-03	30.0	2	0.04	9.11e-04	25.0	3	0.04	9.75e-04	25.0
	4	0.04	9.74e-04	25.0	5	0.04	9.48e-04	25.0	6	0.04	9.68e-04	25.0
	7	0.04	9.72e-04	25.0	8	0.04	9.91e-04	25.0	9	0.04	1.01e-03	25.0
	10	0.04	9.74e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.09e-03	25.0
224	1	0.04	1.07e-03	30.0	2	0.04	1.01e-03	25.0	3	0.04	9.75e-04	25.0
	4	0.04	1.01e-03	25.0	5	0.04	1.09e-03	25.0	6	0.04	9.59e-04	25.0
	7	0.04	9.78e-04	25.0	8	0.04	1.00e-03	25.0	9	0.04	1.01e-03	25.0
	10	0.04	9.87e-04	25.0	11	0.04	9.91e-04	25.0	12	0.04	9.21e-04	25.0
225	1	0.04	1.22e-03	30.0	2	0.04	9.10e-04	25.0	3	0.04	9.76e-04	25.0
	4	0.04	9.75e-04	25.0	5	0.04	9.47e-04	25.0	6	0.04	9.67e-04	25.0
	7	0.04	9.72e-04	25.0	8	0.04	9.91e-04	25.0	9	0.04	1.02e-03	25.0
	10	0.04	9.73e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.09e-03	25.0
226	1	0.04	1.07e-03	30.0	2	0.04	1.01e-03	25.0	3	0.04	9.74e-04	25.0
	4	0.04	1.01e-03	25.0	5	0.04	1.09e-03	25.0	6	0.04	9.59e-04	25.0
	7	0.04	9.77e-04	25.0	8	0.04	1.00e-03	25.0	9	0.04	1.01e-03	25.0
	10	0.04	9.88e-04	25.0	11	0.04	9.92e-04	25.0	12	0.04	9.21e-04	25.0
227	1	0.04	1.25e-03	30.0	2	0.04	9.41e-04	25.0	3	0.04	9.91e-04	25.0
	4	0.04	9.63e-04	25.0	5	0.04	8.98e-04	25.0	6	0.04	9.99e-04	25.0
	7	0.04	9.84e-04	25.0	8	0.04	9.72e-04	25.0	9	0.04	9.86e-04	25.0
	10	0.04	9.88e-04	25.0	11	0.04	1.00e-03	25.0	12	0.04	1.08e-03	25.0
228	1	0.04	1.09e-03	30.0	2	0.04	1.05e-03	25.0	3	0.04	9.97e-04	25.0
	4	0.04	1.01e-03	25.0	5	0.04	1.05e-03	25.0	6	0.04	9.94e-04	25.0
	7	0.04	9.91e-04	25.0	8	0.04	9.83e-04	25.0	9	0.04	9.76e-04	25.0
	10	0.04	9.97e-04	25.0	11	0.04	9.80e-04	25.0	12	0.04	8.88e-04	25.0
Cmb		**1000 etaT/h**										
		0.05										

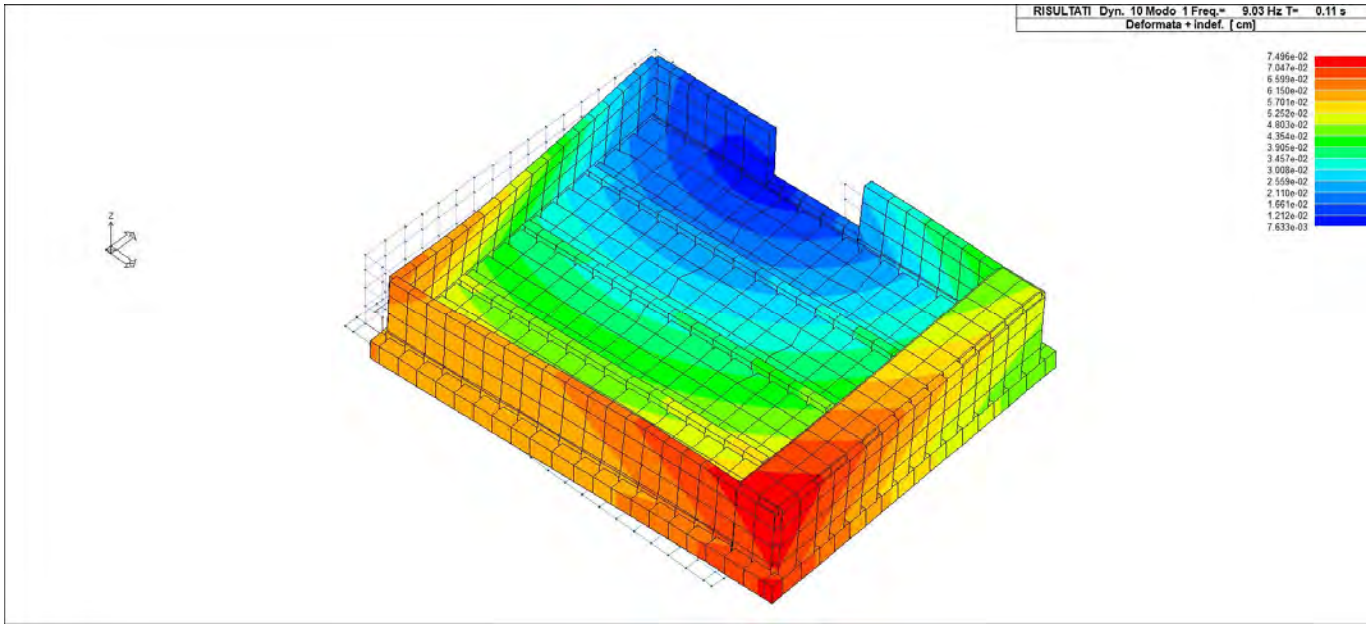


Figura 36 - RIS_MODOX_001_CDCEd dinamico SLU alfa00 ecc +

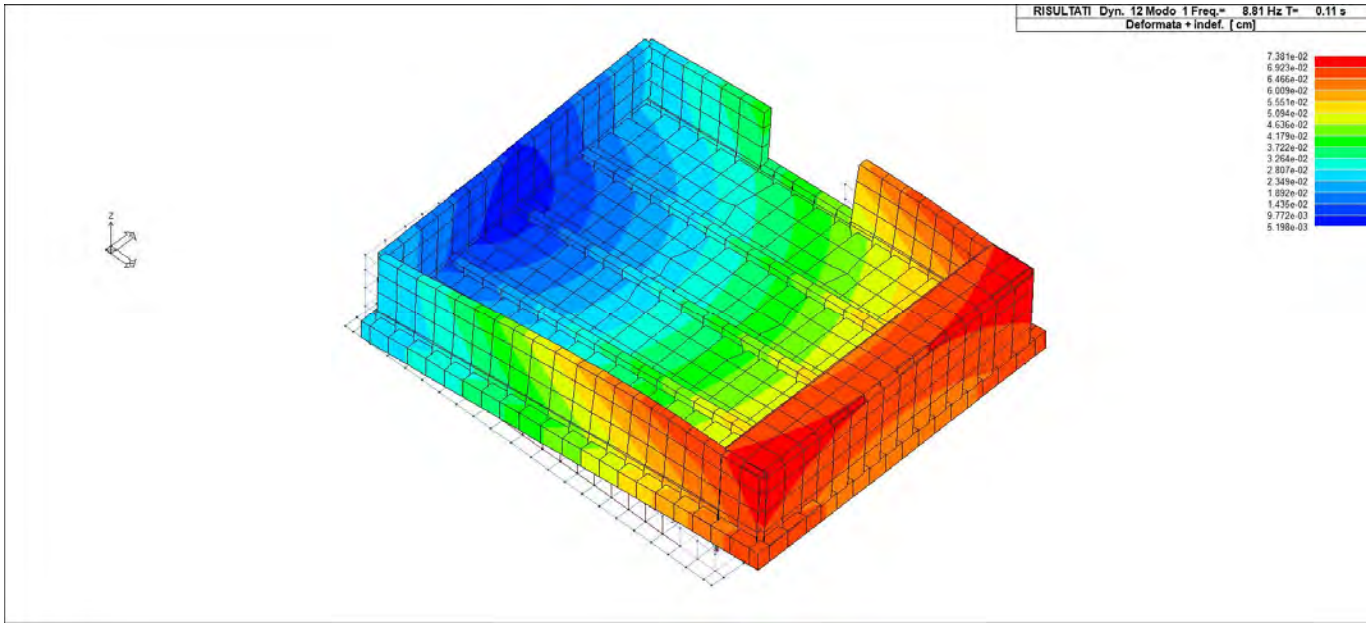


Figura 37 - RIS_MODOY_001_CDCEd dinamico SLU alfa9000 ecc +

15 RISULTATI NODALI

15.1 LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	5	0.04	-0.04	-0.27	3.11e-04	3.72e-04	-1.46e-06
1	15	-0.31	0.27	-0.24	-2.21e-03	-2.59e-03	-1.66e-05
1	35	-0.36	0.29	-0.25	-2.44e-03	-2.96e-03	-7.14e-05
1	51	-0.06	-0.08	-0.30	7.03e-04	-5.28e-04	9.07e-05
1	57	-0.38	0.24	-0.25	-1.97e-03	-3.13e-03	3.87e-05
1	122	-0.24	0.20	-0.19	-1.63e-03	-1.97e-03	-4.77e-05
1	130	-0.04	-0.06	-0.23	4.68e-04	-3.52e-04	6.03e-05
1	133	-0.25	0.16	-0.20	-1.32e-03	-2.09e-03	2.56e-05
1	159	-0.10	0.09	-0.20	-7.38e-04	-8.64e-04	-6.22e-06
1	161	-0.01	-5.99e-03	-0.21	4.96e-05	-1.21e-04	1.11e-05
1	164	-1.59e-04	3.18e-04	-0.21	-2.64e-06	-1.32e-06	-1.20e-06
1	180	-0.05	-0.03	-0.21	2.63e-04	-3.92e-04	4.59e-05
1	193	0.03	0.05	-0.21	-4.28e-04	2.39e-04	-5.01e-05
1	195	3.45e-03	0.04	-0.22	-3.37e-04	2.86e-05	-2.87e-05
1	201	-4.66e-03	1.66e-03	-0.21	-1.37e-05	-3.86e-05	-1.39e-06
1	211	-4.66e-03	1.64e-03	-0.21	-1.36e-05	-3.86e-05	-1.19e-06
1	218	1.18e-03	5.13e-03	-0.21	-4.25e-05	9.77e-06	-1.10e-06
2	15	-0.33	-0.27	-0.28	2.20e-03	-2.66e-03	-4.36e-06
2	35	-0.40	-0.24	-0.30	1.96e-03	-3.21e-03	-5.93e-05
2	37	-0.31	-0.11	-0.31	9.28e-04	-2.51e-03	-9.38e-05
2	101	-0.30	-0.35	-0.30	2.79e-03	-2.45e-03	5.48e-05
2	122	-0.26	-0.16	-0.23	1.31e-03	-2.14e-03	-3.94e-05
2	123	-0.21	-0.08	-0.24	6.19e-04	-1.67e-03	-6.25e-05
2	155	-0.20	-0.23	-0.23	1.86e-03	-1.63e-03	3.66e-05
2	159	-0.11	-0.09	-0.21	7.34e-04	-8.88e-04	-1.11e-06
2	160	-0.02	6.22e-03	-0.22	-5.02e-05	-1.24e-04	-1.16e-05
2	164	-2.86e-04	-2.64e-04	-0.21	2.13e-06	-2.31e-06	0.0
2	171	-0.05	0.03	-0.22	-2.65e-04	-3.97e-04	-4.63e-05
2	172	-0.04	4.27e-03	-0.23	-3.45e-05	-3.16e-04	-2.33e-05
2	196	7.58e-03	-0.05	-0.23	4.32e-04	6.12e-05	4.95e-05
2	207	-4.95e-03	-1.76e-03	-0.21	1.42e-05	-4.00e-05	0.0
2	213	-1.71e-03	-5.24e-03	-0.21	4.24e-05	-1.38e-05	0.0
3	11	-0.07	-0.16	-0.29	1.33e-03	-5.33e-04	-2.42e-06
3	15	-0.11	-0.27	-0.29	2.21e-03	-8.86e-04	-3.89e-06
3	37	-0.18	-0.15	-0.30	1.19e-03	-1.44e-03	-9.46e-05
3	101	-0.08	-0.33	-0.31	2.68e-03	-6.77e-04	5.57e-05
3	103	-0.02	-0.26	-0.31	2.11e-03	-1.84e-04	9.70e-05
3	123	-0.12	-0.10	-0.23	7.96e-04	-9.63e-04	-6.31e-05
3	155	-0.06	-0.22	-0.23	1.79e-03	-4.52e-04	3.71e-05
3	156	-0.02	-0.17	-0.24	1.41e-03	-1.23e-04	6.46e-05
3	159	-0.04	-0.09	-0.22	7.38e-04	-2.96e-04	-1.36e-06

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
3	163	5.58e-03	-0.01	-0.22	1.04e-04	4.51e-05	1.31e-05
3	164	-1.63e-04	-5.09e-06	-0.22	0.0	-1.32e-06	0.0
3	171	-0.05	0.02	-0.22	-1.43e-04	-3.97e-04	-4.74e-05
3	192	3.38e-03	-0.04	-0.23	2.88e-04	2.73e-05	2.77e-05
3	196	7.70e-03	-0.04	-0.23	3.20e-04	6.22e-05	4.91e-05
3	212	-4.84e-03	-1.40e-03	-0.22	1.13e-05	-3.91e-05	0.0
3	215	1.21e-03	-5.07e-03	-0.22	4.10e-05	9.77e-06	0.0
3	219	-1.59e-03	-5.07e-03	-0.22	4.10e-05	-1.28e-05	0.0
4	5	-0.01	0.04	-0.29	-3.15e-04	-1.21e-04	0.0
4	15	0.11	-0.27	-0.29	2.22e-03	8.50e-04	0.0
4	73	-0.06	-0.06	-0.32	4.66e-04	-4.65e-04	-9.90e-05
4	79	0.08	-0.33	-0.31	2.69e-03	6.44e-04	-5.94e-05
4	101	0.13	-0.32	-0.30	2.60e-03	1.06e-03	5.91e-05
4	141	-0.04	-0.04	-0.24	3.11e-04	-3.10e-04	-6.61e-05
4	144	0.05	-0.22	-0.23	1.79e-03	4.29e-04	-3.97e-05
4	155	0.09	-0.21	-0.23	1.73e-03	7.06e-04	3.93e-05
4	159	0.04	-0.09	-0.22	7.40e-04	2.84e-04	0.0
4	162	-5.63e-03	-0.01	-0.22	1.05e-04	-4.55e-05	-1.38e-05
4	164	5.50e-05	-1.02e-04	-0.22	0.0	0.0	0.0
4	170	0.05	-3.53e-03	-0.23	2.85e-05	3.96e-04	4.65e-05
4	182	-3.28e-03	-0.04	-0.23	2.91e-04	-2.65e-05	-2.80e-05
4	184	-0.03	-0.04	-0.23	3.19e-04	-2.39e-04	-4.94e-05
4	209	4.73e-03	1.31e-03	-0.22	-1.06e-05	3.82e-05	0.0
4	215	1.44e-03	-5.17e-03	-0.22	4.18e-05	1.17e-05	0.0
4	219	-1.35e-03	-5.17e-03	-0.22	4.18e-05	-1.09e-05	0.0
5	5	-0.05	0.04	-0.28	-3.12e-04	-3.72e-04	2.08e-06
5	15	0.33	-0.27	-0.28	2.21e-03	2.64e-03	5.41e-06
5	73	-0.09	-0.08	-0.32	6.74e-04	-7.15e-04	-9.47e-05
5	79	0.30	-0.35	-0.30	2.81e-03	2.44e-03	-5.26e-05
5	101	0.35	-0.32	-0.29	2.57e-03	2.85e-03	6.45e-05
5	141	-0.06	-0.06	-0.24	4.50e-04	-4.76e-04	-6.29e-05
5	144	0.20	-0.23	-0.23	1.87e-03	1.62e-03	-3.49e-05
5	155	0.24	-0.21	-0.22	1.71e-03	1.90e-03	4.32e-05
5	159	0.11	-0.09	-0.21	7.40e-04	8.82e-04	2.58e-06
5	162	-5.29e-03	-0.02	-0.22	1.35e-04	-4.28e-05	-1.15e-05
5	164	3.69e-04	-3.76e-04	-0.22	3.04e-06	2.98e-06	1.36e-06
5	170	0.05	9.35e-03	-0.23	-7.55e-05	3.97e-04	4.79e-05
5	182	-2.94e-03	-0.04	-0.23	3.44e-04	-2.38e-05	-2.55e-05
5	186	-7.27e-03	-0.05	-0.23	4.33e-04	-5.87e-05	-4.68e-05
5	203	5.03e-03	1.03e-03	-0.22	-8.32e-06	4.06e-05	1.27e-06
5	217	1.75e-03	-5.40e-03	-0.22	4.37e-05	1.42e-05	1.37e-06
6	5	0.05	-5.98e-05	-0.29	0.0	3.76e-04	0.0
6	15	-0.33	4.29e-04	-0.26	-3.46e-06	-2.65e-03	7.51e-06
6	35	-0.38	0.03	-0.28	-2.40e-04	-3.08e-03	-4.75e-05
6	51	-0.04	-0.05	-0.31	3.99e-04	-3.32e-04	9.25e-05
6	96	0.05	-0.12	-0.22	9.87e-04	3.74e-04	9.92e-05
6	122	-0.25	0.02	-0.22	-1.60e-04	-2.05e-03	-3.17e-05
6	130	-0.03	-0.03	-0.24	2.66e-04	-2.22e-04	6.16e-05
6	152	0.03	-0.08	-0.22	6.58e-04	2.48e-04	6.61e-05
6	159	-0.11	1.53e-04	-0.21	-1.24e-06	-8.86e-04	2.47e-06
6	161	-0.01	-6.55e-03	-0.22	5.29e-05	-9.68e-05	1.23e-05
6	163	-3.39e-04	-0.02	-0.22	1.31e-04	-2.74e-06	1.32e-05
6	164	-2.86e-04	1.77e-05	-0.22	0.0	-2.31e-06	0.0
6	172	-0.03	4.56e-03	-0.23	-3.69e-05	-2.77e-04	-2.40e-05
6	179	-0.03	-4.73e-03	-0.23	3.82e-05	-2.76e-04	2.42e-05
6	193	0.01	0.05	-0.21	-4.32e-04	8.12e-05	-4.93e-05
6	198	-4.99e-03	1.50e-03	-0.22	-1.21e-05	-4.03e-05	0.0
6	216	1.11e-03	5.02e-03	-0.22	-4.05e-05	8.96e-06	0.0
7	5	0.02	-1.08e-04	-0.31	0.0	1.31e-04	0.0
7	15	-0.11	-1.75e-04	-0.31	1.41e-06	-9.25e-04	-1.82e-06
7	23	-0.04	0.01	-0.32	-8.38e-05	-2.95e-04	-5.50e-05
7	35	-0.17	0.01	-0.31	-8.33e-05	-1.35e-03	-5.68e-05
7	103	-0.07	-0.10	-0.31	7.86e-04	-5.58e-04	9.79e-05
7	116	-0.02	6.91e-03	-0.24	-5.59e-05	-1.97e-04	-3.67e-05
7	122	-0.11	6.87e-03	-0.24	-5.55e-05	-9.01e-04	-3.79e-05
7	156	-0.05	-0.06	-0.24	5.24e-04	-3.72e-04	6.52e-05
7	159	-0.04	-6.77e-05	-0.24	0.0	-3.09e-04	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
7	160	-0.01	2.31e-03	-0.24	-1.87e-05	-9.56e-05	-1.23e-05
7	163	-1.66e-04	-0.01	-0.23	1.05e-04	-1.34e-06	1.31e-05
7	164	-1.13e-04	-1.66e-05	-0.23	0.0	0.0	0.0
7	171	-0.03	0.02	-0.24	-1.46e-04	-2.75e-04	-4.70e-05
7	172	-0.03	-4.62e-03	-0.24	3.74e-05	-2.76e-04	-2.40e-05
7	196	-0.01	-0.04	-0.24	3.23e-04	-8.45e-05	4.91e-05
7	198	-4.80e-03	1.48e-03	-0.23	-1.20e-05	-3.88e-05	0.0
7	200	4.57e-03	1.49e-03	-0.24	-1.20e-05	3.69e-05	0.0
7	219	-1.51e-03	-5.02e-03	-0.23	4.06e-05	-1.22e-05	0.0
8	5	-0.02	-1.23e-04	-0.31	0.0	-1.26e-04	0.0
8	15	0.11	-2.42e-04	-0.31	1.95e-06	8.96e-04	1.81e-06
8	79	0.11	-0.06	-0.31	4.74e-04	8.98e-04	-5.68e-05
8	81	0.07	-0.10	-0.31	7.87e-04	5.41e-04	-9.66e-05
8	89	-0.02	-0.05	-0.31	3.82e-04	-1.28e-04	5.94e-05
8	107	-0.01	-8.61e-05	-0.24	0.0	-8.36e-05	0.0
8	144	0.07	-0.04	-0.24	3.16e-04	5.99e-04	-3.79e-05
8	145	0.04	-0.06	-0.24	5.25e-04	3.61e-04	-6.44e-05
8	159	0.04	-9.68e-05	-0.24	0.0	3.00e-04	0.0
8	162	2.03e-04	-0.01	-0.23	1.05e-04	1.64e-06	-1.30e-05
8	164	1.67e-04	-2.85e-05	-0.23	0.0	1.35e-06	0.0
8	169	0.03	0.02	-0.24	-1.22e-04	2.76e-04	2.39e-05
8	173	0.03	5.29e-03	-0.24	-4.28e-05	2.76e-04	-2.44e-05
8	186	0.01	-0.04	-0.24	3.21e-04	8.45e-05	-4.85e-05
8	200	4.83e-03	1.47e-03	-0.24	-1.19e-05	3.90e-05	0.0
8	206	4.84e-03	1.48e-03	-0.23	-1.19e-05	3.91e-05	0.0
8	215	1.56e-03	-5.05e-03	-0.23	4.08e-05	1.26e-05	0.0
9	5	-0.05	-4.91e-05	-0.29	0.0	-3.71e-04	0.0
9	15	0.32	1.40e-03	-0.27	-1.13e-05	2.62e-03	5.32e-06
9	67	-0.05	-0.07	-0.29	5.92e-04	-3.70e-04	-5.79e-05
9	74	-0.05	-0.12	-0.22	9.87e-04	-3.70e-04	-9.68e-05
9	79	0.33	-0.07	-0.27	5.81e-04	2.63e-03	-5.29e-05
9	107	-0.03	-2.97e-05	-0.22	0.0	-2.47e-04	0.0
9	141	-0.03	-0.08	-0.22	6.58e-04	-2.46e-04	-6.44e-05
9	144	0.22	-0.05	-0.21	3.87e-04	1.75e-03	-3.53e-05
9	157	2.70e-04	2.24e-05	-0.22	0.0	2.18e-06	0.0
9	159	0.11	4.81e-04	-0.21	-3.89e-06	8.76e-04	1.92e-06
9	162	3.06e-04	-0.02	-0.22	1.31e-04	2.47e-06	-1.27e-05
9	164	2.70e-04	2.24e-05	-0.22	0.0	2.18e-06	0.0
9	169	0.03	0.03	-0.23	-2.15e-04	2.77e-04	2.42e-05
9	187	-0.01	0.05	-0.22	-4.30e-04	-8.09e-05	4.86e-05
9	206	4.97e-03	1.52e-03	-0.22	-1.23e-05	4.02e-05	0.0
9	220	-1.13e-03	5.07e-03	-0.22	-4.10e-05	-9.11e-06	0.0
10	15	-0.11	0.27	-0.32	-2.21e-03	-8.66e-04	-6.91e-06
10	16	-0.11	0.27	-0.25	-2.21e-03	-8.66e-04	-6.89e-06
10	36	-0.15	0.28	-0.26	-2.29e-03	-1.24e-03	-6.17e-05
10	57	-0.17	0.26	-0.33	-2.13e-03	-1.41e-03	4.90e-05
10	59	-0.18	0.15	-0.32	-1.19e-03	-1.43e-03	8.91e-05
10	122	-0.10	0.19	-0.25	-1.53e-03	-8.26e-04	-4.12e-05
10	133	-0.12	0.18	-0.25	-1.42e-03	-9.43e-04	3.27e-05
10	134	-0.12	0.10	-0.24	-7.94e-04	-9.56e-04	5.94e-05
10	159	-0.04	0.09	-0.23	-7.38e-04	-2.89e-04	-2.33e-06
10	164	-1.04e-04	-3.22e-05	-0.22	0.0	0.0	0.0
10	180	-0.05	-0.02	-0.22	1.44e-04	-3.97e-04	4.76e-05
10	195	3.64e-03	0.04	-0.23	-2.88e-04	2.94e-05	-2.78e-05
10	196	-0.03	-0.04	-0.21	3.20e-04	-2.44e-04	4.94e-05
10	201	-4.80e-03	1.35e-03	-0.22	-1.09e-05	-3.88e-05	0.0
10	213	-1.49e-03	-5.03e-03	-0.22	4.07e-05	-1.21e-05	0.0
10	227	-1.54e-03	4.63e-03	-0.22	-3.74e-05	-1.24e-05	0.0
11	15	0.10	0.27	-0.31	-2.22e-03	8.31e-04	1.21e-05
11	35	0.06	0.27	-0.31	-2.15e-03	4.58e-04	-4.28e-05
11	57	0.04	0.28	-0.31	-2.29e-03	2.83e-04	6.78e-05
11	79	0.13	0.22	-0.29	-1.75e-03	1.04e-03	-4.68e-05
11	112	0.07	0.18	-0.24	-1.48e-03	5.54e-04	8.12e-06
11	133	0.02	0.19	-0.23	-1.53e-03	1.89e-04	4.53e-05
11	144	0.09	0.14	-0.23	-1.17e-03	6.93e-04	-3.11e-05
11	159	0.03	0.09	-0.23	-7.39e-04	2.77e-04	4.32e-06
11	164	4.89e-05	3.68e-05	-0.22	0.0	0.0	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
11	177	0.05	3.44e-03	-0.23	-2.78e-05	3.96e-04	-4.69e-05
11	185	-3.42e-03	0.04	-0.23	-2.91e-04	-2.76e-05	2.77e-05
11	187	-0.03	0.04	-0.23	-3.19e-04	-2.41e-04	4.93e-05
11	210	4.74e-03	-1.39e-03	-0.22	1.12e-05	3.83e-05	0.0
11	220	-1.38e-03	5.06e-03	-0.22	-4.09e-05	-1.12e-05	0.0
11	223	1.42e-03	4.74e-03	-0.22	-3.83e-05	1.15e-05	0.0
12	5	-0.05	-0.04	-0.28	3.13e-04	-3.74e-04	0.0
12	15	0.32	0.28	-0.26	-2.25e-03	2.61e-03	1.47e-05
12	23	-0.09	-0.07	-0.26	5.41e-04	-7.45e-04	-5.51e-05
12	57	0.26	0.31	-0.24	-2.48e-03	2.06e-03	6.97e-05
12	79	0.35	0.20	-0.24	-1.65e-03	2.81e-03	-4.33e-05
12	107	-0.03	-0.03	-0.22	2.08e-04	-2.49e-04	0.0
12	133	0.17	0.20	-0.19	-1.65e-03	1.37e-03	4.64e-05
12	144	0.23	0.14	-0.19	-1.10e-03	1.88e-03	-2.89e-05
12	157	2.12e-04	4.64e-04	-0.21	-3.75e-06	1.71e-06	0.0
12	159	0.11	0.09	-0.21	-7.51e-04	8.70e-04	4.83e-06
12	164	2.12e-04	4.64e-04	-0.21	-3.75e-06	1.71e-06	0.0
12	177	0.05	-9.38e-03	-0.23	7.58e-05	3.97e-04	-4.70e-05
12	185	-3.23e-03	0.04	-0.23	-3.45e-04	-2.61e-05	2.67e-05
12	187	-0.03	0.05	-0.22	-4.33e-04	-2.39e-04	4.79e-05
12	210	4.89e-03	-9.65e-04	-0.21	7.80e-06	3.96e-05	0.0
12	218	1.59e-03	5.50e-03	-0.22	-4.44e-05	1.28e-05	0.0
12	220	-1.21e-03	5.51e-03	-0.22	-4.45e-05	-9.81e-06	0.0
13	7	-0.10	-0.10	-0.33	1.66e-05	-4.24e-05	4.18e-06
13	16	0.35	0.38	-0.01	2.20e-05	-1.15e-04	2.71e-05
13	25	-0.17	-0.13	-0.32	1.01e-05	-8.20e-05	-5.52e-05
13	58	0.26	0.42	5.41e-03	2.81e-05	-1.57e-04	7.81e-05
13	80	0.39	0.28	0.01	6.68e-05	-1.20e-04	-3.02e-05
13	108	-0.07	-0.06	-0.25	1.26e-05	-3.18e-05	3.21e-06
13	133	0.17	0.28	-0.07	2.25e-05	-1.14e-04	5.31e-05
13	144	0.26	0.19	-0.06	4.83e-05	-8.90e-05	-1.91e-05
13	158	-0.04	-0.03	-0.23	1.19e-05	-2.82e-05	3.12e-06
13	159	0.11	0.13	-0.15	1.49e-05	-5.60e-05	1.11e-05
13	164	-5.62e-03	-2.12e-03	-0.22	1.14e-05	-2.66e-05	3.16e-06
13	180	-0.08	9.06e-03	-0.20	2.19e-05	-5.44e-05	4.71e-05
13	185	-9.35e-03	0.06	-0.24	-1.86e-05	-1.49e-05	3.03e-05
13	186	0.04	-0.07	-0.21	3.91e-05	-2.20e-05	-4.37e-05
13	207	-0.01	-4.22e-03	-0.22	1.25e-05	-3.26e-05	0.0
13	215	-3.98e-03	-9.07e-03	-0.22	1.44e-05	-2.67e-05	3.97e-06
13	218	-3.24e-03	4.82e-03	-0.22	8.29e-06	-2.41e-05	3.73e-06
14	7	-0.11	-0.09	-0.33	1.39e-05	-4.19e-05	4.41e-06
14	16	0.40	0.38	-5.49e-03	1.88e-05	-1.14e-04	2.99e-05
14	25	-0.18	-0.13	-0.31	1.97e-05	-8.25e-05	-5.52e-05
14	58	0.30	0.42	0.02	2.60e-05	-1.57e-04	-1.88e-05
14	80	0.43	0.28	0.02	6.26e-05	-1.18e-04	-2.43e-05
14	108	-0.08	-0.06	-0.25	1.06e-05	-3.14e-05	3.39e-06
14	133	0.20	0.28	-0.06	2.05e-05	-1.14e-04	-1.14e-05
14	144	0.29	0.19	-0.06	4.49e-05	-8.75e-05	-1.51e-05
14	158	-0.04	-0.03	-0.23	9.91e-06	-2.78e-05	3.30e-06
14	159	0.13	0.13	-0.15	1.25e-05	-5.54e-05	1.22e-05
14	164	-5.67e-03	-1.85e-03	-0.22	9.40e-06	-2.63e-05	3.34e-06
14	180	-0.08	0.01	-0.20	2.06e-05	-5.48e-05	-1.67e-05
14	184	4.35e-03	-0.08	-0.20	3.87e-05	-3.70e-05	-4.32e-05
14	185	-9.40e-03	0.06	-0.24	-2.02e-05	-1.49e-05	4.77e-05
14	206	1.57e-03	5.02e-04	-0.22	7.44e-06	-2.03e-05	7.19e-06
14	207	-0.01	-4.20e-03	-0.21	1.13e-05	-3.23e-05	0.0
14	219	-8.04e-03	-8.85e-03	-0.21	1.25e-05	-2.87e-05	2.44e-06
15	15	-0.47	-0.41	-0.30	5.82e-05	-6.44e-06	0.0
15	35	-0.55	-0.36	-0.32	6.76e-05	-4.28e-05	0.0
15	37	-0.42	-0.18	-0.33	5.36e-05	-6.05e-05	0.0
15	101	-0.43	-0.50	-0.32	1.03e-04	-1.09e-05	0.0
15	122	-0.37	-0.24	-0.24	4.59e-05	-2.75e-05	0.0
15	123	-0.28	-0.12	-0.25	3.65e-05	-3.93e-05	0.0
15	155	-0.28	-0.33	-0.24	6.92e-05	-6.20e-06	0.0
15	159	-0.16	-0.14	-0.22	2.27e-05	2.27e-06	0.0
15	164	-2.91e-04	-3.89e-04	-0.21	5.84e-06	7.78e-06	0.0
15	171	-0.06	0.04	-0.22	3.20e-06	-1.46e-05	0.0

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
15	172	-0.05	7.90e-03	-0.23	2.04e-05	-1.63e-05	0.0
15	196	0.01	-0.07	-0.23	3.55e-05	0.0	0.0
15	207	-5.90e-03	-2.18e-03	-0.22	8.23e-06	5.07e-06	0.0
15	213	-2.05e-03	-6.33e-03	-0.22	1.15e-05	6.60e-06	0.0
16	7	0.11	-0.10	-0.27	1.04e-05	3.77e-05	0.0
16	15	-0.46	0.41	-0.21	6.50e-05	2.21e-04	0.0
16	35	-0.51	0.45	-0.23	7.07e-05	1.96e-04	0.0
16	51	-0.08	-0.13	-0.31	0.0	-2.18e-05	0.0
16	57	-0.54	0.37	-0.23	5.94e-05	1.87e-04	0.0
16	122	-0.34	0.30	-0.18	4.79e-05	1.34e-04	0.0
16	130	-0.05	-0.08	-0.23	0.0	-1.12e-05	0.0
16	133	-0.36	0.25	-0.18	4.04e-05	1.28e-04	0.0
16	159	-0.15	0.14	-0.19	2.51e-05	8.80e-05	0.0
16	161	-0.02	-8.68e-03	-0.21	4.86e-06	1.77e-05	0.0
16	164	-6.35e-05	5.33e-04	-0.21	6.10e-06	2.53e-05	0.0
16	180	-0.06	-0.04	-0.21	1.10e-05	4.74e-06	0.0
16	193	0.04	0.07	-0.22	-2.08e-05	2.71e-05	0.0
16	195	8.21e-03	0.05	-0.23	-2.29e-05	1.39e-05	0.0
16	201	-5.66e-03	2.23e-03	-0.21	4.49e-06	1.85e-05	0.0
16	211	-5.68e-03	2.18e-03	-0.21	4.77e-06	2.30e-05	0.0
16	214	-1.75e-03	6.54e-03	-0.21	2.69e-06	2.23e-05	0.0
17	15	-0.44	-0.41	-0.30	5.83e-05	-6.10e-06	0.0
17	35	-0.53	-0.37	-0.32	6.78e-05	-4.23e-05	0.0
17	101	-0.40	-0.50	-0.32	1.03e-04	-1.06e-05	0.0
17	103	-0.20	-0.40	-0.33	1.13e-04	-6.91e-06	0.0
17	122	-0.35	-0.24	-0.24	4.60e-05	-2.72e-05	0.0
17	155	-0.27	-0.33	-0.24	6.97e-05	-5.97e-06	0.0
17	156	-0.13	-0.26	-0.25	7.63e-05	-3.53e-06	0.0
17	159	-0.15	-0.14	-0.22	2.29e-05	2.54e-06	0.0
17	164	-2.90e-04	-3.63e-04	-0.21	6.08e-06	8.08e-06	0.0
17	171	-0.06	0.04	-0.22	3.39e-06	-1.42e-05	0.0
17	192	7.74e-03	-0.05	-0.23	3.69e-05	-1.76e-06	0.0
17	196	0.01	-0.07	-0.23	3.62e-05	0.0	0.0
17	207	-5.90e-03	-2.16e-03	-0.22	8.51e-06	5.38e-06	0.0
17	213	-2.05e-03	-6.32e-03	-0.22	1.19e-05	6.90e-06	0.0
18	7	0.10	-0.10	-0.28	9.95e-06	3.81e-05	0.0
18	15	-0.43	0.41	-0.22	6.34e-05	2.22e-04	0.0
18	35	-0.49	0.45	-0.23	6.91e-05	1.96e-04	0.0
18	51	-0.08	-0.12	-0.31	0.0	-2.12e-05	0.0
18	57	-0.52	0.37	-0.24	5.77e-05	1.87e-04	0.0
18	122	-0.33	0.30	-0.18	4.69e-05	1.34e-04	0.0
18	130	-0.05	-0.08	-0.23	0.0	-1.07e-05	0.0
18	133	-0.35	0.25	-0.19	3.92e-05	1.28e-04	0.0
18	159	-0.14	0.14	-0.19	2.44e-05	8.84e-05	0.0
18	161	-0.02	-8.30e-03	-0.21	4.48e-06	1.80e-05	0.0
18	164	-6.33e-05	4.87e-04	-0.21	5.76e-06	2.56e-05	0.0
18	180	-0.06	-0.04	-0.21	1.06e-05	5.16e-06	0.0
18	193	0.04	0.07	-0.22	-2.15e-05	2.74e-05	0.0
18	195	8.21e-03	0.05	-0.23	-2.37e-05	1.42e-05	0.0
18	201	-5.66e-03	2.17e-03	-0.21	4.13e-06	1.88e-05	0.0
18	211	-5.68e-03	2.14e-03	-0.21	4.39e-06	2.33e-05	0.0
18	214	-1.75e-03	6.49e-03	-0.21	2.28e-06	2.26e-05	0.0
19	15	-0.40	-0.41	-0.30	5.59e-05	2.42e-06	0.0
19	35	-0.48	-0.37	-0.32	6.64e-05	-3.24e-05	0.0
19	101	-0.36	-0.49	-0.32	1.04e-04	-1.88e-06	0.0
19	103	-0.17	-0.39	-0.33	1.18e-04	1.98e-06	0.0
...							
825	215	-3.27e-03	-8.57e-03	-0.22	1.25e-05	-3.81e-05	0.0
Nodo		**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
		-0.55	-0.50	-0.37	-2.48e-03	-3.21e-03	-1.64e-04
		0.50	0.46	0.03	2.81e-03	2.85e-03	1.38e-04

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
1	5	4649.08	-3884.48	-5.516e+04	1.165e+05	1.395e+05	-183.20

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
1	15	-3.238e+04	2.764e+04	-4.781e+04	-8.291e+05	-9.715e+05	-2081.23
1	16	-3.238e+04	2.763e+04	-3.528e+04	-8.288e+05	-9.714e+05	-2036.30
1	35	-3.699e+04	3.054e+04	-5.084e+04	-9.163e+05	-1.110e+06	-8930.32
1	51	-6608.62	-8788.38	-6.054e+04	2.637e+05	-1.983e+05	1.135e+04
1	57	-3.914e+04	2.469e+04	-5.142e+04	-7.408e+05	-1.174e+06	4837.43
1	102	-3.499e+04	2.033e+04	-3.156e+04	-6.099e+05	-1.050e+06	5365.37
1	122	-2.466e+04	2.037e+04	-3.946e+04	-6.110e+05	-7.398e+05	-5973.51
1	130	-4407.94	-5854.52	-4.593e+04	1.756e+05	-1.322e+05	7545.75
1	133	-2.609e+04	1.647e+04	-3.985e+04	-4.940e+05	-7.829e+05	3204.98
1	155	-2.333e+04	1.356e+04	-3.497e+04	-4.069e+05	-7.000e+05	3526.98
1	159	-1.080e+04	9230.70	-3.961e+04	-2.769e+05	-3.241e+05	-778.62
1	161	-1517.72	-620.83	-4.258e+04	1.862e+04	-4.554e+04	1387.70
1	164	-16.47	32.97	-4.177e+04	-988.98	-498.34	-149.78
1	180	-4905.28	-3288.24	-4.336e+04	9.865e+04	-1.472e+05	5745.93
1	193	2987.42	5351.79	-4.347e+04	-1.606e+05	8.962e+04	-6272.95
1	194	-391.15	-4148.13	-3.870e+04	1.244e+05	-1.174e+04	3297.28
1	195	358.21	4214.06	-4.485e+04	-1.264e+05	1.074e+04	-3596.84
1	201	-482.77	171.91	-4.220e+04	-5157.25	-1.449e+04	-173.40
1	204	449.82	-105.98	-4.134e+04	3179.30	1.349e+04	-126.16
1	211	-482.78	170.13	-4.205e+04	-5103.78	-1.449e+04	-148.36
1	218	122.25	531.56	-4.196e+04	-1.595e+04	3663.34	-137.97
2	4	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	15	-3.472e+04	-2.871e+04	-5.768e+04	7.176e+05	-8.681e+05	-545.06
2	35	-4.186e+04	-2.563e+04	-6.167e+04	6.407e+05	-1.046e+06	-7416.80
2	37	-3.274e+04	-1.211e+04	-6.349e+04	3.028e+05	-8.184e+05	-1.174e+04
2	64	-2723.00	-4597.50	-4.550e+04	1.149e+05	-6.808e+04	-7260.25
2	101	-3.200e+04	-3.641e+04	-6.137e+04	9.102e+05	-8.000e+05	6853.76
2	106	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	122	-2.791e+04	-1.709e+04	-4.681e+04	4.272e+05	-6.977e+05	-4934.45
2	123	-2.183e+04	-8077.73	-4.802e+04	2.019e+05	-5.457e+05	-7816.99
2	155	-2.134e+04	-2.428e+04	-4.661e+04	6.069e+05	-5.334e+05	4579.25
2	157	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	159	-1.159e+04	-9584.23	-4.345e+04	2.396e+05	-2.898e+05	-138.85
2	160	-1615.02	655.74	-4.364e+04	-1.639e+04	-4.038e+04	-1451.45
2	164	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	169	4067.04	-505.56	-3.950e+04	1.264e+04	1.017e+05	3070.65
2	171	-5184.10	3459.25	-4.459e+04	-8.648e+04	-1.296e+05	-5789.22
2	172	-4127.26	449.93	-4.601e+04	-1.125e+04	-1.032e+05	-2919.44
2	196	798.98	-5643.23	-4.578e+04	1.411e+05	1.997e+04	6193.77
2	207	-521.59	-185.94	-4.311e+04	4648.58	-1.304e+04	69.14
2	213	-180.37	-553.04	-4.315e+04	1.383e+04	-4513.68	32.08
2	216	120.15	497.40	-4.236e+04	-1.244e+04	2999.52	119.13
3	4	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	11	-6950.00	-1.734e+04	-5.891e+04	4.335e+05	-1.738e+05	-303.35
3	15	-1.157e+04	-2.890e+04	-5.870e+04	7.224e+05	-2.892e+05	-487.44
3	37	-1.885e+04	-1.558e+04	-6.041e+04	3.896e+05	-4.713e+05	-1.184e+04
3	42	-4895.43	-1065.62	-4.535e+04	2.664e+04	-1.224e+05	6908.67
3	101	-8838.93	-3.501e+04	-6.207e+04	8.751e+05	-2.210e+05	6972.95
3	103	-2403.39	-2.752e+04	-6.382e+04	6.880e+05	-6.008e+04	1.213e+04
3	106	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	123	-1.257e+04	-1.039e+04	-4.616e+04	2.597e+05	-3.143e+05	-7897.48
3	155	-5894.92	-2.334e+04	-4.727e+04	5.834e+05	-1.474e+05	4646.69
3	156	-1604.56	-1.835e+04	-4.844e+04	4.587e+05	-4.011e+04	8087.35
3	157	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	159	-3865.10	-9632.53	-4.461e+04	2.408e+05	-9.663e+04	-170.74
3	163	588.82	-1358.14	-4.494e+04	3.395e+04	1.472e+04	1643.29
3	164	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	171	-5178.08	1867.60	-4.440e+04	-4.669e+04	-1.295e+05	-5926.99
3	189	-390.67	3763.64	-4.179e+04	-9.409e+04	-9766.77	-3498.43
3	192	356.25	-3764.71	-4.660e+04	9.412e+04	8906.38	3469.29
3	196	812.11	-4173.91	-4.657e+04	1.043e+05	2.030e+04	6147.67
3	212	-509.93	-148.12	-4.435e+04	3703.00	-1.275e+04	-25.75
3	215	127.50	-534.68	-4.441e+04	1.337e+04	3187.57	-30.83
3	218	132.89	533.39	-4.394e+04	-1.333e+04	3322.37	3.74
3	219	-167.31	-534.46	-4.445e+04	1.336e+04	-4182.76	-32.89
4	4	5.80	-10.73	-4.458e+04	268.30	144.88	-86.58
4	5	-1573.32	4109.42	-5.892e+04	-1.027e+05	-3.933e+04	-117.37

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
4	15	1.110e+04	-2.895e+04	-5.837e+04	7.236e+05	2.775e+05	-63.46
4	22	-1.189e+04	-1571.34	-4.276e+04	3.928e+04	-2.973e+05	-1.163e+04
4	73	-6069.29	-6084.39	-6.456e+04	1.521e+05	-1.517e+05	-1.239e+04
4	79	8401.45	-3.506e+04	-6.212e+04	8.766e+05	2.100e+05	-7430.24
4	101	1.382e+04	-3.394e+04	-6.171e+04	8.485e+05	3.456e+05	7391.42
4	115	-7925.56	-1051.14	-4.336e+04	2.628e+04	-1.981e+05	-7782.53
4	141	-4045.42	-4057.69	-4.899e+04	1.014e+05	-1.011e+05	-8274.27
4	144	5601.74	-2.338e+04	-4.736e+04	5.844e+05	1.400e+05	-4965.03
4	155	9215.47	-2.263e+04	-4.709e+04	5.657e+05	2.304e+05	4916.07
4	159	3702.79	-9654.64	-4.472e+04	2.414e+05	9.257e+04	-70.22
4	160	-1580.48	-218.81	-4.433e+04	5470.33	-3.951e+04	-1625.77
4	162	-593.55	-1369.98	-4.541e+04	3.425e+04	-1.484e+04	-1723.64
4	164	5.80	-10.73	-4.458e+04	268.30	144.88	-86.58
4	170	5163.58	-372.10	-4.590e+04	9302.56	1.291e+05	5825.22
4	182	-345.97	-3801.00	-4.719e+04	9.503e+04	-8649.38	-3501.56
4	183	357.57	3779.53	-4.196e+04	-9.449e+04	8939.14	3328.40
4	184	-3123.71	-4163.47	-4.678e+04	1.041e+05	-7.809e+04	-6180.97
4	209	498.52	138.65	-4.454e+04	-3466.29	1.246e+04	-77.46
4	214	-140.50	523.97	-4.431e+04	-1.310e+04	-3512.46	-100.06
4	215	152.09	-545.44	-4.484e+04	1.364e+04	3802.22	-73.09
4	219	-142.82	-545.66	-4.481e+04	1.364e+04	-3570.60	-77.50
5	5	-4851.44	4074.40	-5.759e+04	-1.019e+05	-1.213e+05	260.57
5	15	3.448e+04	-2.889e+04	-5.600e+04	7.222e+05	8.621e+05	677.33
5	16	3.447e+04	-2.888e+04	-4.283e+04	7.219e+05	8.618e+05	626.23
5	38	8832.87	-2.230e+04	-3.663e+04	5.575e+05	2.208e+05	-1.091e+04
5	73	-9333.58	-8802.18	-6.469e+04	2.201e+05	-2.333e+05	-1.185e+04
5	79	3.180e+04	-3.661e+04	-6.051e+04	9.154e+05	7.949e+05	-6578.26
5	101	3.720e+04	-3.356e+04	-5.953e+04	8.390e+05	9.300e+05	8066.53
5	123	5901.56	-1.488e+04	-3.905e+04	3.720e+05	1.475e+05	-7219.20
5	141	-6217.20	-5873.40	-4.898e+04	1.468e+05	-1.554e+05	-7876.98
5	144	2.120e+04	-2.442e+04	-4.619e+04	6.104e+05	5.301e+05	-4362.80
5	155	2.480e+04	-2.238e+04	-4.554e+04	5.595e+05	6.201e+05	5400.40
5	159	1.152e+04	-9652.00	-4.354e+04	2.413e+05	2.879e+05	322.30
5	160	-1543.11	-700.46	-4.301e+04	1.751e+04	-3.858e+04	-1344.04
5	162	-558.25	-1756.48	-4.489e+04	4.391e+04	-1.396e+04	-1442.02
5	164	38.94	-39.61	-4.389e+04	990.26	973.51	170.34
5	170	5182.88	985.56	-4.710e+04	-2.464e+04	1.296e+05	5996.12
5	182	-310.16	-4491.59	-4.755e+04	1.123e+05	-7753.91	-3193.60
5	183	388.04	4412.37	-4.023e+04	-1.103e+05	9700.92	3534.27
5	186	-766.20	-5645.97	-4.747e+04	1.411e+05	-1.916e+04	-5855.19
5	203	530.34	108.53	-4.401e+04	-2713.19	1.326e+04	159.40
5	217	185.06	-569.74	-4.429e+04	1.424e+04	4626.53	171.70
5	220	-107.18	490.52	-4.349e+04	-1.226e+04	-2679.51	168.98
6	5	4908.97	-6.31	-5.843e+04	157.66	1.227e+05	-11.98
6	15	-3.462e+04	45.22	-5.330e+04	-1130.48	-8.654e+05	939.27
6	16	-3.461e+04	44.66	-4.008e+04	-1116.48	-8.652e+05	941.54
6	35	-4.017e+04	3129.88	-5.667e+04	-7.825e+04	-1.004e+06	-5950.78
6	51	-4336.04	-5200.95	-6.337e+04	1.300e+05	-1.084e+05	1.157e+04
6	96	4877.94	-1.288e+04	-4.437e+04	3.220e+05	1.219e+05	1.242e+04
6	102	-3.463e+04	-7679.24	-4.001e+04	1.920e+05	-8.658e+05	8396.80
6	122	-2.679e+04	2086.84	-4.366e+04	-5.217e+04	-6.696e+05	-3968.19
6	130	-2894.72	-3467.05	-4.812e+04	8.668e+04	-7.237e+04	7713.34
6	152	3241.90	-8586.16	-4.427e+04	2.147e+05	8.105e+04	8274.99
6	155	-2.310e+04	-5118.87	-4.136e+04	1.280e+05	-5.775e+05	5595.35
6	159	-1.156e+04	16.13	-4.274e+04	-403.27	-2.889e+05	308.81
6	161	-1263.09	-690.73	-4.483e+04	1.727e+04	-3.158e+04	1536.84
6	163	-35.77	-1714.56	-4.406e+04	4.286e+04	-894.14	1649.17
6	164	-30.20	1.87	-4.407e+04	-46.67	-754.97	-7.56
6	172	-3619.57	481.24	-4.621e+04	-1.203e+04	-9.049e+04	-3003.33
6	178	3545.64	502.03	-4.189e+04	-1.255e+04	8.864e+04	-3042.02
6	179	-3606.04	-498.30	-4.625e+04	1.246e+04	-9.015e+04	3026.91
6	193	1060.20	5633.17	-4.347e+04	-1.408e+05	2.651e+04	-6172.18
6	198	-526.57	158.50	-4.437e+04	-3962.53	-1.316e+04	-6.23
6	199	466.17	-154.77	-4.377e+04	3869.19	1.165e+04	-8.88
6	216	116.96	529.11	-4.401e+04	-1.323e+04	2924.11	-14.35
7	4	-11.90	-1.75	-4.759e+04	43.87	-297.43	-6.70
7	5	1711.05	-11.43	-6.329e+04	285.65	4.278e+04	-9.82

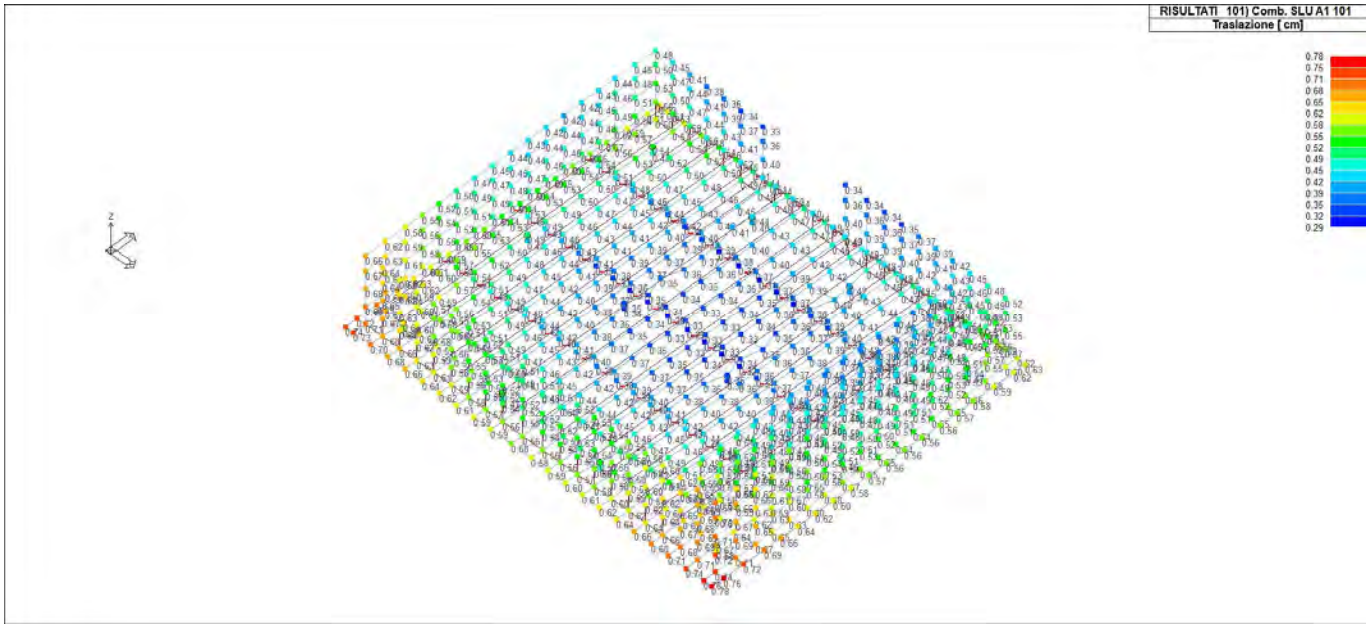
Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
7	15	-1.207e+04	-18.42	-6.228e+04	460.52	-3.017e+05	-228.28
7	23	-3847.34	1093.78	-6.421e+04	-2.734e+04	-9.618e+04	-6887.65
7	35	-1.763e+04	1086.79	-6.320e+04	-2.717e+04	-4.406e+05	-7106.11
7	88	-53.60	-1.025e+04	-4.748e+04	2.562e+05	-1340.10	1.238e+04
7	103	-7288.03	-1.026e+04	-6.201e+04	2.564e+05	-1.822e+05	1.225e+04
7	116	-2566.48	728.95	-4.915e+04	-1.822e+04	-6.416e+04	-4592.66
7	122	-1.175e+04	724.29	-4.848e+04	-1.811e+04	-2.938e+05	-4738.30
7	148	-39.70	-6831.61	-4.752e+04	1.708e+05	-992.54	8251.01
7	156	-4860.28	-6838.07	-4.769e+04	1.710e+05	-1.215e+05	8163.18
7	159	-4029.04	-7.13	-4.773e+04	178.37	-1.007e+05	-79.89
7	160	-1247.09	243.85	-4.779e+04	-6096.18	-3.118e+04	-1535.11
7	163	-17.46	-1367.73	-4.758e+04	3.419e+04	-436.45	1644.84
7	164	-11.90	-1.75	-4.759e+04	43.87	-297.43	-6.70
7	170	3570.47	-1911.44	-4.700e+04	4.779e+04	8.926e+04	5868.65
7	171	-3594.26	1907.93	-4.818e+04	-4.770e+04	-8.986e+04	-5882.06
7	172	-3603.97	-487.55	-4.816e+04	1.219e+04	-9.010e+04	-2999.06
7	196	-1103.12	-4210.68	-4.772e+04	1.053e+05	-2.758e+04	6140.33
7	197	-505.41	-160.47	-4.748e+04	4011.80	-1.264e+04	-5.39
7	198	-505.81	156.09	-4.753e+04	-3902.21	-1.265e+04	-1.00
7	200	481.61	156.96	-4.770e+04	-3924.06	1.204e+04	-8.02
7	219	-158.71	-529.55	-4.751e+04	1.324e+04	-3967.65	-13.21
8	4	17.62	-3.00	-4.757e+04	75.02	440.61	1.78
8	5	-1640.20	-13.02	-6.307e+04	325.54	-4.101e+04	2.65
8	15	1.170e+04	-25.51	-6.237e+04	637.75	2.925e+05	226.66
8	44	-9232.89	1643.98	-4.575e+04	-4.110e+04	-2.308e+05	1.156e+04
8	79	1.172e+04	-6179.32	-6.232e+04	1.545e+05	2.929e+05	-7110.52
8	81	7056.52	-1.027e+04	-6.208e+04	2.568e+05	1.764e+05	-1.209e+04
8	89	-1665.26	-4988.29	-6.302e+04	1.247e+05	-4.163e+04	7430.14
8	107	-1091.12	-9.08	-4.839e+04	227.03	-2.728e+04	2.00
8	126	-6149.38	1094.99	-4.636e+04	-2.737e+04	-1.537e+05	7708.39
8	144	7812.69	-4119.95	-4.789e+04	1.030e+05	1.953e+05	-4740.11
8	145	4706.70	-6849.21	-4.773e+04	1.712e+05	1.177e+05	-8060.91
8	159	3909.52	-10.20	-4.775e+04	255.09	9.774e+04	76.56
8	161	-1215.78	216.60	-4.733e+04	-5414.93	-3.039e+04	1543.10
8	162	21.38	-1370.51	-4.756e+04	3.426e+04	534.60	-1628.71
8	164	17.62	-3.00	-4.757e+04	75.02	440.61	1.78
8	169	3608.28	1593.93	-4.826e+04	-3.985e+04	9.021e+04	2993.33
8	173	3596.54	558.31	-4.827e+04	-1.396e+04	8.991e+04	-3049.14
8	176	-3561.29	-564.32	-4.687e+04	1.411e+04	-8.903e+04	3052.70
8	186	1103.18	-4190.30	-4.775e+04	1.048e+05	2.758e+04	-6075.26
8	197	-474.31	-161.22	-4.745e+04	4030.43	-1.186e+04	3.36
8	200	509.56	155.22	-4.769e+04	-3880.38	1.274e+04	0.20
8	206	510.15	155.60	-4.764e+04	-3889.91	1.275e+04	0.02
8	215	164.32	-532.73	-4.755e+04	1.332e+04	4107.95	-3.93
9	5	-4847.37	-5.18	-5.812e+04	129.44	-1.212e+05	48.56
9	15	3.426e+04	148.09	-5.515e+04	-3702.22	8.564e+05	665.27
9	16	3.425e+04	147.38	-4.187e+04	-3684.47	8.562e+05	655.19
9	38	1.131e+04	-4844.78	-3.685e+04	1.211e+05	2.828e+05	-1.103e+04
9	67	-4830.48	-7730.27	-5.806e+04	1.933e+05	-1.208e+05	-7242.26
9	74	-4829.18	-1.288e+04	-4.432e+04	3.220e+05	-1.207e+05	-1.212e+04
9	79	3.427e+04	-7577.00	-5.509e+04	1.894e+05	8.568e+05	-6625.55
9	107	-3227.78	-3.14	-4.465e+04	78.40	-8.069e+04	36.85
9	123	7550.02	-3229.06	-3.932e+04	8.073e+04	1.888e+05	-7342.79
9	141	-3209.96	-8586.70	-4.430e+04	2.147e+05	-8.025e+04	-8065.88
9	144	2.285e+04	-5051.02	-4.263e+04	1.263e+05	5.713e+05	-4412.55
9	157	28.48	2.37	-4.425e+04	-59.17	711.96	33.58
9	159	1.143e+04	50.70	-4.346e+04	-1267.60	2.859e+05	240.78
9	160	-1204.69	-655.52	-4.346e+04	1.639e+04	-3.012e+04	-1491.42
9	162	32.23	-1714.32	-4.424e+04	4.286e+04	805.75	-1586.60
9	164	28.48	2.37	-4.425e+04	-59.17	711.96	33.58
9	169	3614.64	2805.21	-4.656e+04	-7.013e+04	9.037e+04	3022.58
9	172	-3557.69	-2800.48	-4.195e+04	7.001e+04	-8.894e+04	-2955.42
9	187	-1055.74	5605.94	-4.361e+04	-1.401e+05	-2.639e+04	6078.71
9	206	524.03	160.47	-4.451e+04	-4011.63	1.310e+04	29.28
9	207	-467.07	-155.73	-4.400e+04	3893.28	-1.168e+04	37.88
9	220	-118.88	534.84	-4.418e+04	-1.337e+04	-2972.00	40.20
10	4	-10.99	-3.40	-4.442e+04	84.93	-274.83	-7.09

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
10	15	-1.130e+04	2.888e+04	-6.481e+04	-7.220e+05	-2.825e+05	-864.59
10	16	-1.130e+04	2.888e+04	-5.149e+04	-7.220e+05	-2.824e+05	-862.46
10	36	-1.617e+04	2.993e+04	-5.263e+04	-7.483e+05	-4.042e+05	-7726.46
10	57	-1.845e+04	2.781e+04	-6.600e+04	-6.953e+05	-4.612e+05	6136.42
10	59	-1.870e+04	1.555e+04	-6.396e+04	-3.887e+05	-4.676e+05	1.115e+04
10	88	-4615.80	-1.018e+04	-3.902e+04	2.546e+05	-1.154e+05	1.245e+04
10	122	-1.078e+04	1.995e+04	-4.990e+04	-4.988e+05	-2.696e+05	-5153.34
10	133	-1.230e+04	1.854e+04	-4.992e+04	-4.635e+05	-3.075e+05	4090.00
10	134	-1.247e+04	1.036e+04	-4.856e+04	-2.591e+05	-3.117e+05	7429.66
10	148	-3080.86	-6789.56	-4.082e+04	1.697e+05	-7.702e+04	8297.57
10	159	-3772.83	9624.97	-4.678e+04	-2.406e+05	-9.432e+04	-292.21
10	163	-624.97	-1360.63	-4.370e+04	3.402e+04	-1.562e+04	1653.84
10	164	-10.99	-3.40	-4.442e+04	84.93	-274.83	-7.09
10	180	-5184.75	-1881.04	-4.456e+04	4.703e+04	-1.296e+05	5956.83
10	194	-406.09	-3763.55	-4.213e+04	9.409e+04	-1.015e+04	3471.22
10	195	384.11	3756.75	-4.672e+04	-9.392e+04	9602.66	-3485.40
10	196	-3188.79	-4176.17	-4.258e+04	1.044e+05	-7.972e+04	6179.71
10	201	-505.83	142.38	-4.445e+04	-3559.42	-1.265e+04	4.10
10	213	-157.53	-530.69	-4.425e+04	1.327e+04	-3938.33	-4.54
10	226	140.47	-495.38	-4.420e+04	1.238e+04	3511.81	-16.16
10	227	-162.46	488.59	-4.464e+04	-1.221e+04	-4061.47	1.98
11	4	5.16	3.88	-4.491e+04	-97.09	128.92	66.55
11	15	1.084e+04	2.894e+04	-6.328e+04	-7.236e+05	2.710e+05	1510.22
11	35	5972.49	2.801e+04	-6.258e+04	-7.002e+05	1.493e+05	-5355.08
11	57	3695.45	2.988e+04	-6.244e+04	-7.471e+05	9.239e+04	8484.15
11	66	4539.41	-1.019e+04	-3.867e+04	2.547e+05	1.135e+05	-1.221e+04
11	79	1.356e+04	2.283e+04	-5.953e+04	-5.707e+05	3.390e+05	-5855.56
11	112	7226.94	1.930e+04	-4.817e+04	-4.824e+05	1.807e+05	1015.69
11	133	2464.32	1.992e+04	-4.762e+04	-4.981e+05	6.161e+04	5664.97
11	137	3027.99	-6791.97	-4.075e+04	1.698e+05	7.570e+04	-8117.65
11	144	9040.64	1.522e+04	-4.568e+04	-3.805e+05	2.260e+05	-3894.84
11	159	3616.05	9649.80	-4.654e+04	-2.412e+05	9.040e+04	541.12
11	162	609.72	-1355.29	-4.408e+04	3.388e+04	1.524e+04	-1570.29
11	164	5.16	3.88	-4.491e+04	-97.09	128.92	66.55
11	177	5173.81	362.45	-4.605e+04	-9061.37	1.293e+05	-5873.26
11	185	-360.64	3793.14	-4.747e+04	-9.483e+04	-9015.91	3471.83
11	187	-3140.97	4157.17	-4.716e+04	-1.039e+05	-7.852e+04	6169.67
11	188	370.95	-3785.37	-4.235e+04	9.463e+04	9273.74	-3338.72
11	210	500.06	-146.67	-4.481e+04	3666.88	1.250e+04	53.77
11	220	-145.52	533.54	-4.511e+04	-1.334e+04	-3638.12	80.84
11	222	-139.26	-491.84	-4.469e+04	1.230e+04	-3481.49	59.83
11	223	149.57	499.60	-4.514e+04	-1.249e+04	3739.32	73.28
12	5	-4875.27	-4086.12	-5.692e+04	1.022e+05	-1.219e+05	-32.50
12	15	3.402e+04	2.931e+04	-5.271e+04	-7.328e+05	8.504e+05	1836.11
12	16	3.401e+04	2.930e+04	-3.969e+04	-7.325e+05	8.502e+05	1839.84
12	23	-9725.58	-7056.90	-5.352e+04	1.764e+05	-2.431e+05	-6900.55
12	57	2.689e+04	3.231e+04	-4.894e+04	-8.077e+05	6.723e+05	8717.00
12	79	3.673e+04	2.159e+04	-4.825e+04	-5.397e+05	9.182e+05	-5415.07
12	82	2.493e+04	4721.59	-3.373e+04	-1.180e+05	6.233e+05	-1.099e+04
12	107	-3247.20	-2717.56	-4.373e+04	6.794e+04	-8.118e+04	-23.32
12	133	1.793e+04	2.155e+04	-3.841e+04	-5.386e+05	4.482e+05	5809.67
12	144	2.449e+04	1.440e+04	-3.795e+04	-3.599e+05	6.122e+05	-3611.70
12	145	1.663e+04	3164.02	-3.696e+04	-7.910e+04	4.157e+05	-7328.39
12	157	22.32	48.90	-4.340e+04	-1222.38	558.07	-12.42
12	159	1.135e+04	9798.84	-4.217e+04	-2.450e+05	2.838e+05	605.00
12	164	22.32	48.90	-4.340e+04	-1222.38	558.07	-12.42
12	177	5177.84	-989.58	-4.648e+04	2.474e+04	1.294e+05	-5880.73
12	185	-340.08	4497.06	-4.700e+04	-1.124e+05	-8502.10	3335.79
12	187	-3113.50	5655.73	-4.556e+04	-1.414e+05	-7.784e+04	5997.12
12	188	384.73	-4399.27	-3.980e+04	1.100e+05	9618.23	-3360.63
12	210	516.18	-101.73	-4.359e+04	2543.22	1.290e+04	14.88
12	218	167.68	579.91	-4.377e+04	-1.450e+04	4191.88	-0.56
12	219	-123.03	-482.12	-4.303e+04	1.205e+04	-3075.75	-24.28
12	220	-128.02	581.00	-4.361e+04	-1.453e+04	-3200.53	-16.24
Nodo		**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		-4.186e+04	-3.661e+04	-6.600e+04	-9.163e+05	-1.174e+06	-1.239e+04

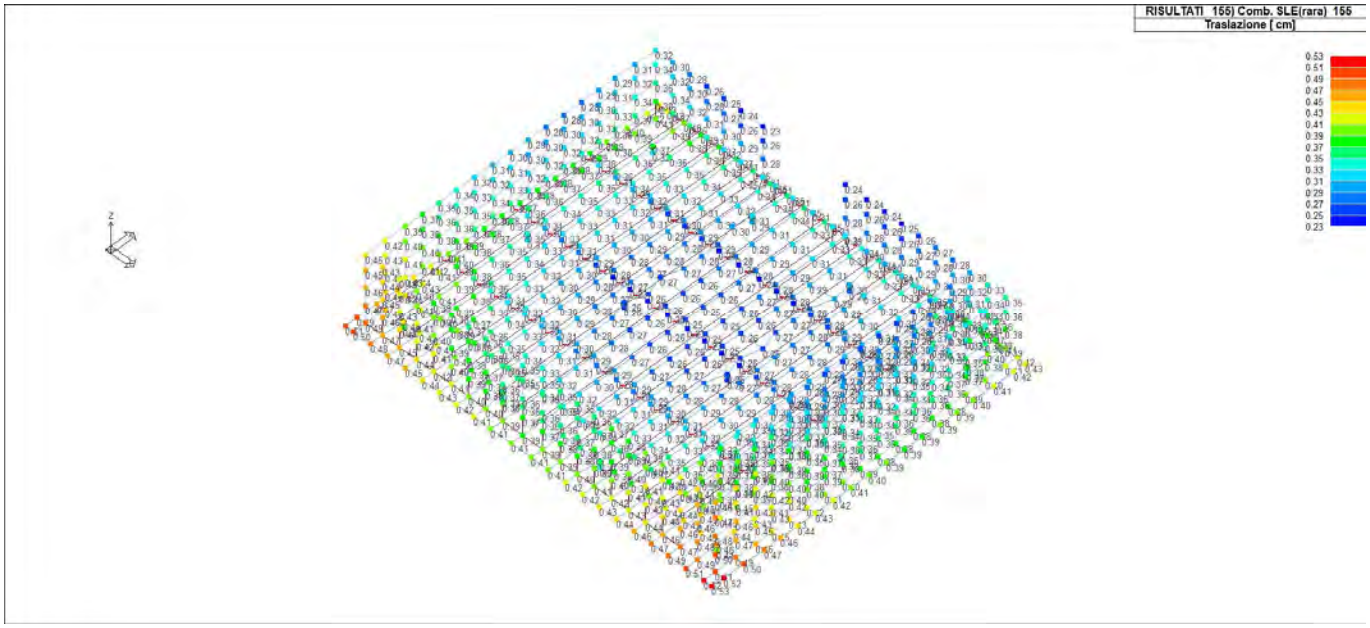
Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		3.720e+04	3.231e+04	-3.156e+04	9.154e+05	9.300e+05	1.245e+04

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
1	51	-6608.62	-8788.38	-6.054e+04	2.637e+05	-1.983e+05	1.135e+04
	102	-3.499e+04	2.033e+04	-3.156e+04	-6.099e+05	-1.050e+06	5365.37
	35	-3.699e+04	3.054e+04	-5.084e+04	-9.163e+05	-1.110e+06	-8930.32
	96	301.36	-1.605e+04	-3.581e+04	4.816e+05	9036.81	1.220e+04
	57	-3.914e+04	2.469e+04	-5.142e+04	-7.408e+05	-1.174e+06	4837.43
	70	1.034e+04	-1.084e+04	-3.962e+04	3.253e+05	3.102e+05	-7451.01
2	37	-3.274e+04	-1.211e+04	-6.349e+04	3.028e+05	-8.184e+05	-1.174e+04
	169	4067.04	-505.56	-3.950e+04	1.264e+04	1.017e+05	3070.65
	26	1059.81	9920.26	-4.748e+04	-2.480e+05	2.649e+04	-6824.99
	101	-3.200e+04	-3.641e+04	-6.137e+04	9.102e+05	-8.000e+05	6853.76
	35	-4.186e+04	-2.563e+04	-6.167e+04	6.407e+05	-1.046e+06	-7416.80
	92	1.092e+04	-859.50	-4.718e+04	2.149e+04	2.729e+05	7445.57
3	103	-2403.39	-2.752e+04	-6.382e+04	6.880e+05	-6.008e+04	1.213e+04
	189	-390.67	3763.64	-4.179e+04	-9.409e+04	-9766.77	-3498.43
	26	-4429.65	7924.34	-4.641e+04	-1.981e+05	-1.107e+05	-6929.60
	101	-8838.93	-3.501e+04	-6.207e+04	8.751e+05	-2.210e+05	6972.95
	37	-1.885e+04	-1.558e+04	-6.041e+04	3.896e+05	-4.713e+05	-1.184e+04
	96	6165.88	-6059.01	-5.023e+04	1.515e+05	1.541e+05	1.243e+04
4	73	-6069.29	-6084.39	-6.456e+04	1.521e+05	-1.517e+05	-1.239e+04
	183	357.57	3779.53	-4.196e+04	-9.449e+04	8939.14	3328.40
	48	-7503.45	7798.35	-4.439e+04	-1.950e+05	-1.876e+05	6830.99
	79	8401.45	-3.506e+04	-6.212e+04	8.766e+05	2.100e+05	-7430.24
	30	-1.347e+04	2552.61	-4.311e+04	-6.382e+04	-3.368e+05	-1.163e+04
	101	1.382e+04	-3.394e+04	-6.171e+04	8.485e+05	3.456e+05	7391.42
5	73	-9333.58	-8802.18	-6.469e+04	2.201e+05	-2.333e+05	-1.185e+04
	38	8832.87	-2.230e+04	-3.663e+04	5.575e+05	2.208e+05	-1.091e+04
	48	-1.299e+04	9830.38	-4.067e+04	-2.458e+05	-3.248e+05	7156.48
	79	3.180e+04	-3.661e+04	-6.051e+04	9.154e+05	7.949e+05	-6578.26
	30	-1.673e+04	-870.12	-3.738e+04	2.175e+04	-4.183e+05	-1.117e+04
	101	3.720e+04	-3.356e+04	-5.953e+04	8.390e+05	9.300e+05	8066.53
6	51	-4336.04	-5200.95	-6.337e+04	1.300e+05	-1.084e+05	1.157e+04
	102	-3.463e+04	-7679.24	-4.001e+04	1.920e+05	-8.658e+05	8396.80
	193	1060.20	5633.17	-4.347e+04	-1.408e+05	2.651e+04	-6172.18
	96	4877.94	-1.288e+04	-4.437e+04	3.220e+05	1.219e+05	1.242e+04
	35	-4.017e+04	3129.88	-5.667e+04	-7.825e+04	-1.004e+06	-5950.78
	70	8236.13	-4593.52	-4.491e+04	1.148e+05	2.059e+05	-7336.42
7	23	-3847.34	1093.78	-6.421e+04	-2.734e+04	-9.618e+04	-6887.65
	170	3570.47	-1911.44	-4.700e+04	4.779e+04	8.926e+04	5868.65
	193	1079.32	4207.17	-4.746e+04	-1.052e+05	2.698e+04	-6153.74
	103	-7288.03	-1.026e+04	-6.201e+04	2.564e+05	-1.822e+05	1.225e+04
	35	-1.763e+04	1086.79	-6.320e+04	-2.717e+04	-4.406e+05	-7106.11
	169	3580.17	484.04	-4.702e+04	-1.210e+04	8.950e+04	2985.65
8	5	-1640.20	-13.02	-6.307e+04	325.54	-4.101e+04	2.65
	44	-9232.89	1643.98	-4.575e+04	-4.110e+04	-2.308e+05	1.156e+04
	187	-1067.93	4184.30	-4.739e+04	-1.046e+05	-2.670e+04	6078.82
	81	7056.52	-1.027e+04	-6.208e+04	2.568e+05	1.764e+05	-1.209e+04
	30	-1.091e+04	-1652.68	-4.624e+04	4.132e+04	-2.727e+05	-1.146e+04
	79	1.172e+04	-6179.32	-6.232e+04	1.545e+05	2.929e+05	-7110.52
9	5	-4847.37	-5.18	-5.812e+04	129.44	-1.212e+05	48.56
	38	1.131e+04	-4844.78	-3.685e+04	1.211e+05	2.828e+05	-1.103e+04
	187	-1055.74	5605.94	-4.361e+04	-1.401e+05	-2.639e+04	6078.71
	74	-4829.18	-1.288e+04	-4.432e+04	3.220e+05	-1.207e+05	-1.212e+04
	30	-1.411e+04	-4940.23	-3.845e+04	1.235e+05	-3.527e+05	-1.140e+04
	79	3.427e+04	-7577.00	-5.509e+04	1.894e+05	8.568e+05	-6625.55
10	57	-1.845e+04	2.781e+04	-6.600e+04	-6.953e+05	-4.612e+05	6136.42
	88	-4615.80	-1.018e+04	-3.902e+04	2.546e+05	-1.154e+05	1.245e+04
	36	-1.617e+04	2.993e+04	-5.263e+04	-7.483e+05	-4.042e+05	-7726.46
	95	-2980.35	-1.433e+04	-5.282e+04	3.583e+05	-7.451e+04	1.244e+04
	59	-1.870e+04	1.555e+04	-6.396e+04	-3.887e+05	-4.676e+05	1.115e+04
	74	6164.25	-1.243e+04	-3.978e+04	3.107e+05	1.541e+05	-1.231e+04
11	15	1.084e+04	2.894e+04	-6.328e+04	-7.236e+05	2.710e+05	1510.22

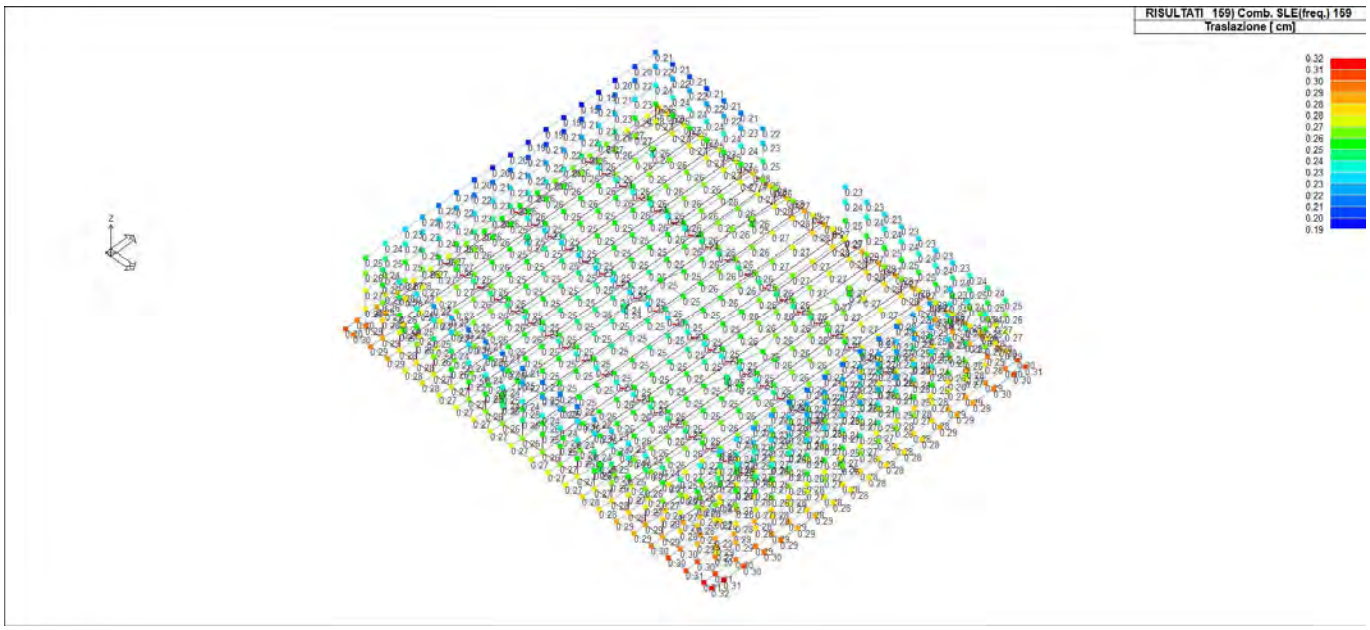
Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
	66	4539.41	-1.019e+04	-3.867e+04	2.547e+05	1.135e+05	-1.221e+04
	57	3695.45	2.988e+04	-6.244e+04	-7.471e+05	9.239e+04	8484.15
	74	2957.90	-1.434e+04	-3.906e+04	3.585e+05	7.395e+04	-1.221e+04
	52	-1.348e+04	-2578.36	-4.392e+04	6.446e+04	-3.371e+05	1.169e+04
	79	1.356e+04	2.283e+04	-5.953e+04	-5.707e+05	3.390e+05	-5855.56
12	5	-4875.27	-4086.12	-5.692e+04	1.022e+05	-1.219e+05	-32.50
	82	2.493e+04	4721.59	-3.373e+04	-1.180e+05	6.233e+05	-1.099e+04
	57	2.689e+04	3.231e+04	-4.894e+04	-8.077e+05	6.723e+05	8717.00
	74	-367.03	-1.698e+04	-3.606e+04	4.245e+05	-9175.82	-1.211e+04
	52	-1.676e+04	889.84	-3.721e+04	-2.225e+04	-4.190e+05	1.144e+04
	79	3.673e+04	2.159e+04	-4.825e+04	-5.397e+05	9.182e+05	-5415.07



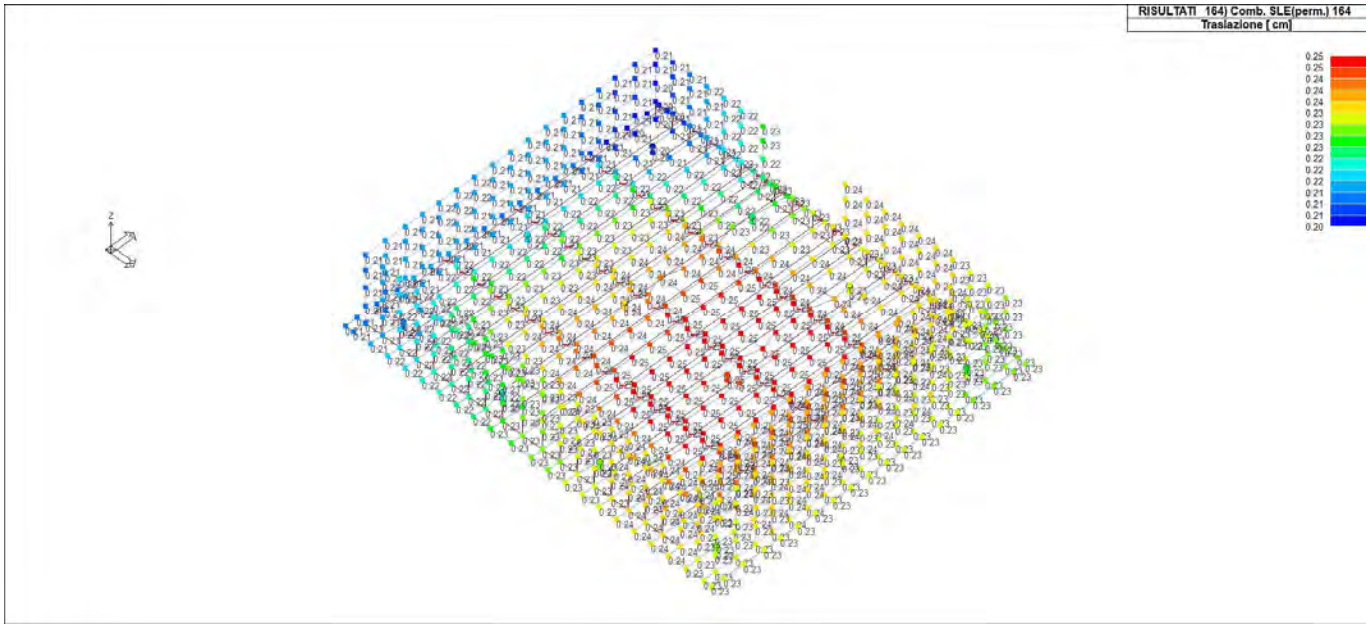
41_RIS_SPOSTAMENTI_101_Comb SLU A1 101



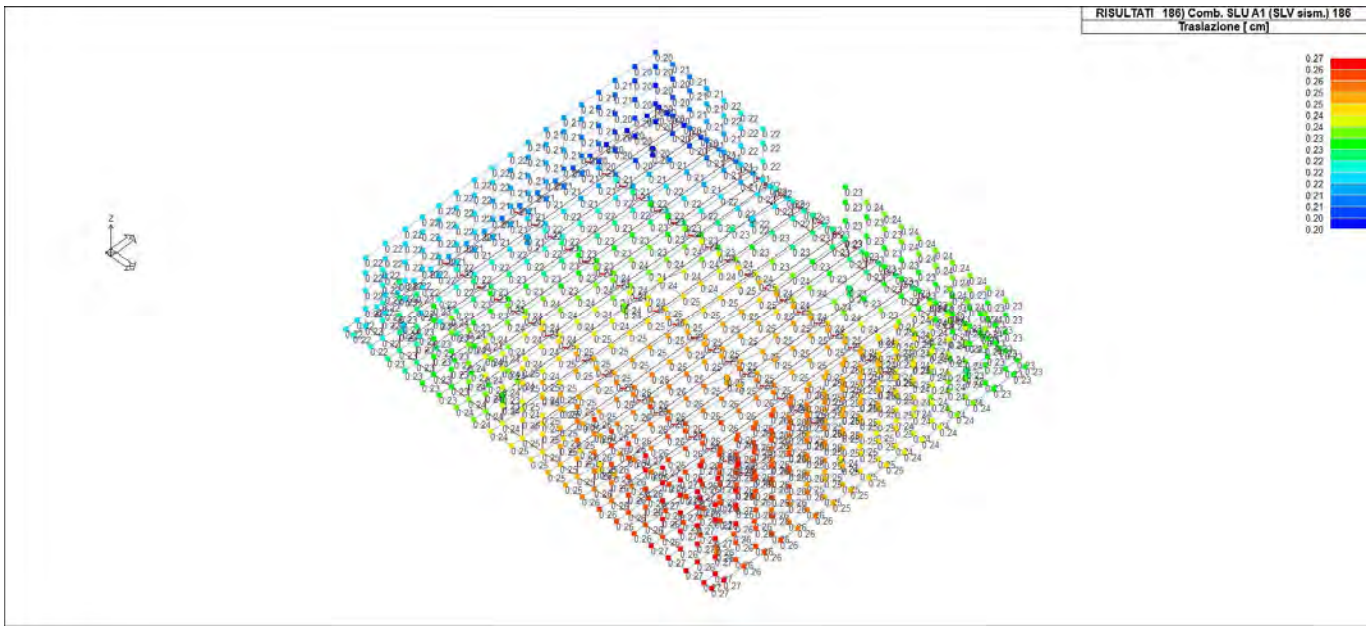
41_RIS_SPOSTAMENTI_155_Comb SLErara 155



41_RIS_SPOSTAMENTI_159_Comb SLEfreq 159



41_RIS_SPOSTAMENTI_164_Comb SLEperm 164



41_RIS_SPOSTAMENTI_186_Comb SLU A1 SLV sism 186

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
1	5	4649.08	-3884.48	-5.516e+04	1.165e+05	1.395e+05	-183.20
1	15	-3.238e+04	2.764e+04	-4.781e+04	-8.291e+05	-9.715e+05	-2081.23
1	16	-3.238e+04	2.763e+04	-3.528e+04	-8.288e+05	-9.714e+05	-2036.30
1	35	-3.699e+04	3.054e+04	-5.084e+04	-9.163e+05	-1.110e+06	-8930.32
1	51	-6608.62	-8788.38	-6.054e+04	2.637e+05	-1.983e+05	1.135e+04
1	57	-3.914e+04	2.469e+04	-5.142e+04	-7.408e+05	-1.174e+06	4837.43
1	102	-3.499e+04	2.033e+04	-3.156e+04	-6.099e+05	-1.050e+06	5365.37

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
1	122	-2.466e+04	2.037e+04	-3.946e+04	-6.110e+05	-7.398e+05	-5973.51
1	130	-4407.94	-5854.52	-4.593e+04	1.756e+05	-1.322e+05	7545.75
1	133	-2.609e+04	1.647e+04	-3.985e+04	-4.940e+05	-7.829e+05	3204.98
1	155	-2.333e+04	1.356e+04	-3.497e+04	-4.069e+05	-7.000e+05	3526.98
1	159	-1.080e+04	9230.70	-3.961e+04	-2.769e+05	-3.241e+05	-778.62
1	161	-1517.72	-620.83	-4.258e+04	1.862e+04	-4.554e+04	1387.70
1	164	-16.47	32.97	-4.177e+04	-988.98	-498.34	-149.78
1	180	-4905.28	-3288.24	-4.336e+04	9.865e+04	-1.472e+05	5745.93
1	193	2987.42	5351.79	-4.347e+04	-1.606e+05	8.962e+04	-6272.95
1	194	-391.15	-4148.13	-3.870e+04	1.244e+05	-1.174e+04	3297.28
1	195	358.21	4214.06	-4.485e+04	-1.264e+05	1.074e+04	-3596.84
1	201	-482.77	171.91	-4.220e+04	-5157.25	-1.449e+04	-173.40
1	204	449.82	-105.98	-4.134e+04	3179.30	1.349e+04	-126.16
1	211	-482.78	170.13	-4.205e+04	-5103.78	-1.449e+04	-148.36
1	218	122.25	531.56	-4.196e+04	-1.595e+04	3663.34	-137.97
2	4	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	15	-3.472e+04	-2.871e+04	-5.768e+04	7.176e+05	-8.681e+05	-545.06
2	35	-4.186e+04	-2.563e+04	-6.167e+04	6.407e+05	-1.046e+06	-7416.80
2	37	-3.274e+04	-1.211e+04	-6.349e+04	3.028e+05	-8.184e+05	-1.174e+04
2	64	-2723.00	-4597.50	-4.550e+04	1.149e+05	-6.808e+04	-7260.25
2	101	-3.200e+04	-3.641e+04	-6.137e+04	9.102e+05	-8.000e+05	6853.76
2	106	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	122	-2.791e+04	-1.709e+04	-4.681e+04	4.272e+05	-6.977e+05	-4934.45
2	123	-2.183e+04	-8077.73	-4.802e+04	2.019e+05	-5.457e+05	-7816.99
2	155	-2.134e+04	-2.428e+04	-4.661e+04	6.069e+05	-5.334e+05	4579.25
2	157	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	159	-1.159e+04	-9584.23	-4.345e+04	2.396e+05	-2.898e+05	-138.85
2	160	-1615.02	655.74	-4.364e+04	-1.639e+04	-4.038e+04	-1451.45
2	164	-30.11	-27.82	-4.275e+04	695.46	-757.08	75.60
2	169	4067.04	-505.56	-3.950e+04	1.264e+04	1.017e+05	3070.65
2	171	-5184.10	3459.25	-4.459e+04	-8.648e+04	-1.296e+05	-5789.22
2	172	-4127.26	449.93	-4.601e+04	-1.125e+04	-1.032e+05	-2919.44
2	196	798.98	-5643.23	-4.578e+04	1.411e+05	1.997e+04	6193.77
2	207	-521.59	-185.94	-4.311e+04	4648.58	-1.304e+04	69.14
2	213	-180.37	-553.04	-4.315e+04	1.383e+04	-4513.68	32.08
2	216	120.15	497.40	-4.236e+04	-1.244e+04	2999.52	119.13
3	4	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	11	-6950.00	-1.734e+04	-5.891e+04	4.335e+05	-1.738e+05	-303.35
3	15	-1.157e+04	-2.890e+04	-5.870e+04	7.224e+05	-2.892e+05	-487.44
3	37	-1.885e+04	-1.558e+04	-6.041e+04	3.896e+05	-4.713e+05	-1.184e+04
3	42	-4895.43	-1065.62	-4.535e+04	2.664e+04	-1.224e+05	6908.67
3	101	-8838.93	-3.501e+04	-6.207e+04	8.751e+05	-2.210e+05	6972.95
3	103	-2403.39	-2.752e+04	-6.382e+04	6.880e+05	-6.008e+04	1.213e+04
3	106	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	123	-1.257e+04	-1.039e+04	-4.616e+04	2.597e+05	-3.143e+05	-7897.48
3	155	-5894.92	-2.334e+04	-4.727e+04	5.834e+05	-1.474e+05	4646.69
3	156	-1604.56	-1.835e+04	-4.844e+04	4.587e+05	-4.011e+04	8087.35
3	157	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	159	-3865.10	-9632.53	-4.461e+04	2.408e+05	-9.663e+04	-170.74
3	163	588.82	-1358.14	-4.494e+04	3.395e+04	1.472e+04	1643.29
3	164	-17.21	-0.54	-4.419e+04	13.41	-430.19	-14.57
3	171	-5178.08	1867.60	-4.440e+04	-4.669e+04	-1.295e+05	-5926.99
3	189	-390.67	3763.64	-4.179e+04	-9.409e+04	-9766.77	-3498.43
3	192	356.25	-3764.71	-4.660e+04	9.412e+04	8906.38	3469.29
3	196	812.11	-4173.91	-4.657e+04	1.043e+05	2.030e+04	6147.67
3	212	-509.93	-148.12	-4.435e+04	3703.00	-1.275e+04	-25.75
3	215	127.50	-534.68	-4.441e+04	1.337e+04	3187.57	-30.83
3	218	132.89	533.39	-4.394e+04	-1.333e+04	3322.37	3.74
3	219	-167.31	-534.46	-4.445e+04	1.336e+04	-4182.76	-32.89
4	4	5.80	-10.73	-4.458e+04	268.30	144.88	-86.58
4	5	-1573.32	4109.42	-5.892e+04	-1.027e+05	-3.933e+04	-117.37
4	15	1.110e+04	-2.895e+04	-5.837e+04	7.236e+05	2.775e+05	-63.46
4	22	-1.189e+04	-1571.34	-4.276e+04	3.928e+04	-2.973e+05	-1.163e+04
4	73	-6069.29	-6084.39	-6.456e+04	1.521e+05	-1.517e+05	-1.239e+04
4	79	8401.45	-3.506e+04	-6.212e+04	8.766e+05	2.100e+05	-7430.24
4	101	1.382e+04	-3.394e+04	-6.171e+04	8.485e+05	3.456e+05	7391.42
4	115	-7925.56	-1051.14	-4.336e+04	2.628e+04	-1.981e+05	-7782.53

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
4	141	-4045.42	-4057.69	-4.899e+04	1.014e+05	-1.011e+05	-8274.27
4	144	5601.74	-2.338e+04	-4.736e+04	5.844e+05	1.400e+05	-4965.03
4	155	9215.47	-2.263e+04	-4.709e+04	5.657e+05	2.304e+05	4916.07
4	159	3702.79	-9654.64	-4.472e+04	2.414e+05	9.257e+04	-70.22
4	160	-1580.48	-218.81	-4.433e+04	5470.33	-3.951e+04	-1625.77
4	162	-593.55	-1369.98	-4.541e+04	3.425e+04	-1.484e+04	-1723.64
4	164	5.80	-10.73	-4.458e+04	268.30	144.88	-86.58
4	170	5163.58	-372.10	-4.590e+04	9302.56	1.291e+05	5825.22
4	182	-345.97	-3801.00	-4.719e+04	9.503e+04	-8649.38	-3501.56
4	183	357.57	3779.53	-4.196e+04	-9.449e+04	8939.14	3328.40
4	184	-3123.71	-4163.47	-4.678e+04	1.041e+05	-7.809e+04	-6180.97
4	209	498.52	138.65	-4.454e+04	-3466.29	1.246e+04	-77.46
4	214	-140.50	523.97	-4.431e+04	-1.310e+04	-3512.46	-100.06
4	215	152.09	-545.44	-4.484e+04	1.364e+04	3802.22	-73.09
4	219	-142.82	-545.66	-4.481e+04	1.364e+04	-3570.60	-77.50
5	5	-4851.44	4074.40	-5.759e+04	-1.019e+05	-1.213e+05	260.57
5	15	3.448e+04	-2.889e+04	-5.600e+04	7.222e+05	8.621e+05	677.33
5	16	3.447e+04	-2.888e+04	-4.283e+04	7.219e+05	8.618e+05	626.23
5	38	8832.87	-2.230e+04	-3.663e+04	5.575e+05	2.208e+05	-1.091e+04
5	73	-9333.58	-8802.18	-6.469e+04	2.201e+05	-2.333e+05	-1.185e+04
5	79	3.180e+04	-3.661e+04	-6.051e+04	9.154e+05	7.949e+05	-6578.26
5	101	3.720e+04	-3.356e+04	-5.953e+04	8.390e+05	9.300e+05	8066.53
5	123	5901.56	-1.488e+04	-3.905e+04	3.720e+05	1.475e+05	-7219.20
5	141	-6217.20	-5873.40	-4.898e+04	1.468e+05	-1.554e+05	-7876.98
5	144	2.120e+04	-2.442e+04	-4.619e+04	6.104e+05	5.301e+05	-4362.80
5	155	2.480e+04	-2.238e+04	-4.554e+04	5.595e+05	6.201e+05	5400.40
5	159	1.152e+04	-9652.00	-4.354e+04	2.413e+05	2.879e+05	322.30
5	160	-1543.11	-700.46	-4.301e+04	1.751e+04	-3.858e+04	-1344.04
5	162	-558.25	-1756.48	-4.489e+04	4.391e+04	-1.396e+04	-1442.02
5	164	38.94	-39.61	-4.389e+04	990.26	973.51	170.34
5	170	5182.88	985.56	-4.710e+04	-2.464e+04	1.296e+05	5996.12
5	182	-310.16	-4491.59	-4.755e+04	1.123e+05	-7753.91	-3193.60
5	183	388.04	4412.37	-4.023e+04	-1.103e+05	9700.92	3534.27
5	186	-766.20	-5645.97	-4.747e+04	1.411e+05	-1.916e+04	-5855.19
5	203	530.34	108.53	-4.401e+04	-2713.19	1.326e+04	159.40
5	217	185.06	-569.74	-4.429e+04	1.424e+04	4626.53	171.70
5	220	-107.18	490.52	-4.349e+04	-1.226e+04	-2679.51	168.98
6	5	4908.97	-6.31	-5.843e+04	157.66	1.227e+05	-11.98
6	15	-3.462e+04	45.22	-5.330e+04	-1130.48	-8.654e+05	939.27
6	16	-3.461e+04	44.66	-4.008e+04	-1116.48	-8.652e+05	941.54
6	35	-4.017e+04	3129.88	-5.667e+04	-7.825e+04	-1.004e+06	-5950.78
6	51	-4336.04	-5200.95	-6.337e+04	1.300e+05	-1.084e+05	1.157e+04
6	96	4877.94	-1.288e+04	-4.437e+04	3.220e+05	1.219e+05	1.242e+04
6	102	-3.463e+04	-7679.24	-4.001e+04	1.920e+05	-8.658e+05	8396.80
6	122	-2.679e+04	2086.84	-4.366e+04	-5.217e+04	-6.696e+05	-3968.19
6	130	-2894.72	-3467.05	-4.812e+04	8.668e+04	-7.237e+04	7713.34
6	152	3241.90	-8586.16	-4.427e+04	2.147e+05	8.105e+04	8274.99
6	155	-2.310e+04	-5118.87	-4.136e+04	1.280e+05	-5.775e+05	5595.35
6	159	-1.156e+04	16.13	-4.274e+04	-403.27	-2.889e+05	308.81
6	161	-1263.09	-690.73	-4.483e+04	1.727e+04	-3.158e+04	1536.84
6	163	-35.77	-1714.56	-4.406e+04	4.286e+04	-894.14	1649.17
6	164	-30.20	1.87	-4.407e+04	-46.67	-754.97	-7.56
6	172	-3619.57	481.24	-4.621e+04	-1.203e+04	-9.049e+04	-3003.33
6	178	3545.64	502.03	-4.189e+04	-1.255e+04	8.864e+04	-3042.02
6	179	-3606.04	-498.30	-4.625e+04	1.246e+04	-9.015e+04	3026.91
6	193	1060.20	5633.17	-4.347e+04	-1.408e+05	2.651e+04	-6172.18
6	198	-526.57	158.50	-4.437e+04	-3962.53	-1.316e+04	-6.23
6	199	466.17	-154.77	-4.377e+04	3869.19	1.165e+04	-8.88
6	216	116.96	529.11	-4.401e+04	-1.323e+04	2924.11	-14.35
7	4	-11.90	-1.75	-4.759e+04	43.87	-297.43	-6.70
7	5	1711.05	-11.43	-6.329e+04	285.65	4.278e+04	-9.82
7	15	-1.207e+04	-18.42	-6.228e+04	460.52	-3.017e+05	-228.28
7	23	-3847.34	1093.78	-6.421e+04	-2.734e+04	-9.618e+04	-6887.65
7	35	-1.763e+04	1086.79	-6.320e+04	-2.717e+04	-4.406e+05	-7106.11
7	88	-53.60	-1.025e+04	-4.748e+04	2.562e+05	-1340.10	1.238e+04
7	103	-7288.03	-1.026e+04	-6.201e+04	2.564e+05	-1.822e+05	1.225e+04
7	116	-2566.48	728.95	-4.915e+04	-1.822e+04	-6.416e+04	-4592.66

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
7	122	-1.175e+04	724.29	-4.848e+04	-1.811e+04	-2.938e+05	-4738.30
7	148	-39.70	-6831.61	-4.752e+04	1.708e+05	-992.54	8251.01
7	156	-4860.28	-6838.07	-4.769e+04	1.710e+05	-1.215e+05	8163.18
7	159	-4029.04	-7.13	-4.773e+04	178.37	-1.007e+05	-79.89
7	160	-1247.09	243.85	-4.779e+04	-6096.18	-3.118e+04	-1535.11
7	163	-17.46	-1367.73	-4.758e+04	3.419e+04	-436.45	1644.84
7	164	-11.90	-1.75	-4.759e+04	43.87	-297.43	-6.70
7	170	3570.47	-1911.44	-4.700e+04	4.779e+04	8.926e+04	5868.65
7	171	-3594.26	1907.93	-4.818e+04	-4.770e+04	-8.986e+04	-5882.06
7	172	-3603.97	-487.55	-4.816e+04	1.219e+04	-9.010e+04	-2999.06
7	196	-1103.12	-4210.68	-4.772e+04	1.053e+05	-2.758e+04	6140.33
7	197	-505.41	-160.47	-4.748e+04	4011.80	-1.264e+04	-5.39
7	198	-505.81	156.09	-4.753e+04	-3902.21	-1.265e+04	-1.00
7	200	481.61	156.96	-4.770e+04	-3924.06	1.204e+04	-8.02
7	219	-158.71	-529.55	-4.751e+04	1.324e+04	-3967.65	-13.21
8	4	17.62	-3.00	-4.757e+04	75.02	440.61	1.78
8	5	-1640.20	-13.02	-6.307e+04	325.54	-4.101e+04	2.65
8	15	1.170e+04	-25.51	-6.237e+04	637.75	2.925e+05	226.66
8	44	-9232.89	1643.98	-4.575e+04	-4.110e+04	-2.308e+05	1.156e+04
8	79	1.172e+04	-6179.32	-6.232e+04	1.545e+05	2.929e+05	-7110.52
8	81	7056.52	-1.027e+04	-6.208e+04	2.568e+05	1.764e+05	-1.209e+04
8	89	-1665.26	-4988.29	-6.302e+04	1.247e+05	-4.163e+04	7430.14
8	107	-1091.12	-9.08	-4.839e+04	227.03	-2.728e+04	2.00
8	126	-6149.38	1094.99	-4.636e+04	-2.737e+04	-1.537e+05	7708.39
8	144	7812.69	-4119.95	-4.789e+04	1.030e+05	1.953e+05	-4740.11
8	145	4706.70	-6849.21	-4.773e+04	1.712e+05	1.177e+05	-8060.91
8	159	3909.52	-10.20	-4.775e+04	255.09	9.774e+04	76.56
8	161	-1215.78	216.60	-4.733e+04	-5414.93	-3.039e+04	1543.10
8	162	21.38	-1370.51	-4.756e+04	3.426e+04	534.60	-1628.71
8	164	17.62	-3.00	-4.757e+04	75.02	440.61	1.78
8	169	3608.28	1593.93	-4.826e+04	-3.985e+04	9.021e+04	2993.33
8	173	3596.54	558.31	-4.827e+04	-1.396e+04	8.991e+04	-3049.14
8	176	-3561.29	-564.32	-4.687e+04	1.411e+04	-8.903e+04	3052.70
8	186	1103.18	-4190.30	-4.775e+04	1.048e+05	2.758e+04	-6075.26
8	197	-474.31	-161.22	-4.745e+04	4030.43	-1.186e+04	3.36
8	200	509.56	155.22	-4.769e+04	-3880.38	1.274e+04	0.20
8	206	510.15	155.60	-4.764e+04	-3889.91	1.275e+04	0.02
8	215	164.32	-532.73	-4.755e+04	1.332e+04	4107.95	-3.93
9	5	-4847.37	-5.18	-5.812e+04	129.44	-1.212e+05	48.56
9	15	3.426e+04	148.09	-5.515e+04	-3702.22	8.564e+05	665.27
9	16	3.425e+04	147.38	-4.187e+04	-3684.47	8.562e+05	655.19
9	38	1.131e+04	-4844.78	-3.685e+04	1.211e+05	2.828e+05	-1.103e+04
9	67	-4830.48	-7730.27	-5.806e+04	1.933e+05	-1.208e+05	-7242.26
9	74	-4829.18	-1.288e+04	-4.432e+04	3.220e+05	-1.207e+05	-1.212e+04
9	79	3.427e+04	-7577.00	-5.509e+04	1.894e+05	8.568e+05	-6625.55
9	107	-3227.78	-3.14	-4.465e+04	78.40	-8.069e+04	36.85
9	123	7550.02	-3229.06	-3.932e+04	8.073e+04	1.888e+05	-7342.79
9	141	-3209.96	-8586.70	-4.430e+04	2.147e+05	-8.025e+04	-8065.88
9	144	2.285e+04	-5051.02	-4.263e+04	1.263e+05	5.713e+05	-4412.55
9	157	28.48	2.37	-4.425e+04	-59.17	711.96	33.58
9	159	1.143e+04	50.70	-4.346e+04	-1267.60	2.859e+05	240.78
9	160	-1204.69	-655.52	-4.346e+04	1.639e+04	-3.012e+04	-1491.42
9	162	32.23	-1714.32	-4.424e+04	4.286e+04	805.75	-1586.60
9	164	28.48	2.37	-4.425e+04	-59.17	711.96	33.58
9	169	3614.64	2805.21	-4.656e+04	-7.013e+04	9.037e+04	3022.58
9	172	-3557.69	-2800.48	-4.195e+04	7.001e+04	-8.894e+04	-2955.42
9	187	-1055.74	5605.94	-4.361e+04	-1.401e+05	-2.639e+04	6078.71
9	206	524.03	160.47	-4.451e+04	-4011.63	1.310e+04	29.28
9	207	-467.07	-155.73	-4.400e+04	3893.28	-1.168e+04	37.88
9	220	-118.88	534.84	-4.418e+04	-1.337e+04	-2972.00	40.20
10	4	-10.99	-3.40	-4.442e+04	84.93	-274.83	-7.09
10	15	-1.130e+04	2.888e+04	-6.481e+04	-7.220e+05	-2.825e+05	-864.59
10	16	-1.130e+04	2.888e+04	-5.149e+04	-7.220e+05	-2.824e+05	-862.46
10	36	-1.617e+04	2.993e+04	-5.263e+04	-7.483e+05	-4.042e+05	-7726.46
10	57	-1.845e+04	2.781e+04	-6.600e+04	-6.953e+05	-4.612e+05	6136.42
10	59	-1.870e+04	1.555e+04	-6.396e+04	-3.887e+05	-4.676e+05	1.115e+04
10	88	-4615.80	-1.018e+04	-3.902e+04	2.546e+05	-1.154e+05	1.245e+04

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
10	122	-1.078e+04	1.995e+04	-4.990e+04	-4.988e+05	-2.696e+05	-5153.34
10	133	-1.230e+04	1.854e+04	-4.992e+04	-4.635e+05	-3.075e+05	4090.00
10	134	-1.247e+04	1.036e+04	-4.856e+04	-2.591e+05	-3.117e+05	7429.66
10	148	-3080.86	-6789.56	-4.082e+04	1.697e+05	-7.702e+04	8297.57
10	159	-3772.83	9624.97	-4.678e+04	-2.406e+05	-9.432e+04	-292.21
10	163	-624.97	-1360.63	-4.370e+04	3.402e+04	-1.562e+04	1653.84
10	164	-10.99	-3.40	-4.442e+04	84.93	-274.83	-7.09
10	180	-5184.75	-1881.04	-4.456e+04	4.703e+04	-1.296e+05	5956.83
10	194	-406.09	-3763.55	-4.213e+04	9.409e+04	-1.015e+04	3471.22
10	195	384.11	3756.75	-4.672e+04	-9.392e+04	9602.66	-3485.40
10	196	-3188.79	-4176.17	-4.258e+04	1.044e+05	-7.972e+04	6179.71
10	201	-505.83	142.38	-4.445e+04	-3559.42	-1.265e+04	4.10
10	213	-157.53	-530.69	-4.425e+04	1.327e+04	-3938.33	-4.54
10	226	140.47	-495.38	-4.420e+04	1.238e+04	3511.81	-16.16
10	227	-162.46	488.59	-4.464e+04	-1.221e+04	-4061.47	1.98
11	4	5.16	3.88	-4.491e+04	-97.09	128.92	66.55
11	15	1.084e+04	2.894e+04	-6.328e+04	-7.236e+05	2.710e+05	1510.22
11	35	5972.49	2.801e+04	-6.258e+04	-7.002e+05	1.493e+05	-5355.08
11	57	3695.45	2.988e+04	-6.244e+04	-7.471e+05	9.239e+04	8484.15
11	66	4539.41	-1.019e+04	-3.867e+04	2.547e+05	1.135e+05	-1.221e+04
11	79	1.356e+04	2.283e+04	-5.953e+04	-5.707e+05	3.390e+05	-5855.56
11	112	7226.94	1.930e+04	-4.817e+04	-4.824e+05	1.807e+05	1015.69
11	133	2464.32	1.992e+04	-4.762e+04	-4.981e+05	6.161e+04	5664.97
11	137	3027.99	-6791.97	-4.075e+04	1.698e+05	7.570e+04	-8117.65
11	144	9040.64	1.522e+04	-4.568e+04	-3.805e+05	2.260e+05	-3894.84
11	159	3616.05	9649.80	-4.654e+04	-2.412e+05	9.040e+04	541.12
11	162	609.72	-1355.29	-4.408e+04	3.388e+04	1.524e+04	-1570.29
11	164	5.16	3.88	-4.491e+04	-97.09	128.92	66.55
11	177	5173.81	362.45	-4.605e+04	-9061.37	1.293e+05	-5873.26
11	185	-360.64	3793.14	-4.747e+04	-9.483e+04	-9015.91	3471.83
11	187	-3140.97	4157.17	-4.716e+04	-1.039e+05	-7.852e+04	6169.67
11	188	370.95	-3785.37	-4.235e+04	9.463e+04	9273.74	-3338.72
11	210	500.06	-146.67	-4.481e+04	3666.88	1.250e+04	53.77
11	220	-145.52	533.54	-4.511e+04	-1.334e+04	-3638.12	80.84
11	222	-139.26	-491.84	-4.469e+04	1.230e+04	-3481.49	59.83
11	223	149.57	499.60	-4.514e+04	-1.249e+04	3739.32	73.28
12	5	-4875.27	-4086.12	-5.692e+04	1.022e+05	-1.219e+05	-32.50
12	15	3.402e+04	2.931e+04	-5.271e+04	-7.328e+05	8.504e+05	1836.11
12	16	3.401e+04	2.930e+04	-3.969e+04	-7.325e+05	8.502e+05	1839.84
12	23	-9725.58	-7056.90	-5.352e+04	1.764e+05	-2.431e+05	-6900.55
12	57	2.689e+04	3.231e+04	-4.894e+04	-8.077e+05	6.723e+05	8717.00
12	79	3.673e+04	2.159e+04	-4.825e+04	-5.397e+05	9.182e+05	-5415.07
12	82	2.493e+04	4721.59	-3.373e+04	-1.180e+05	6.233e+05	-1.099e+04
12	107	-3247.20	-2717.56	-4.373e+04	6.794e+04	-8.118e+04	-23.32
12	133	1.793e+04	2.155e+04	-3.841e+04	-5.386e+05	4.482e+05	5809.67
12	144	2.449e+04	1.440e+04	-3.795e+04	-3.599e+05	6.122e+05	-3611.70
12	145	1.663e+04	3164.02	-3.696e+04	-7.910e+04	4.157e+05	-7328.39
12	157	22.32	48.90	-4.340e+04	-1222.38	558.07	-12.42
12	159	1.135e+04	9798.84	-4.217e+04	-2.450e+05	2.838e+05	605.00
12	164	22.32	48.90	-4.340e+04	-1222.38	558.07	-12.42
12	177	5177.84	-989.58	-4.648e+04	2.474e+04	1.294e+05	-5880.73
12	185	-340.08	4497.06	-4.700e+04	-1.124e+05	-8502.10	3335.79
12	187	-3113.50	5655.73	-4.556e+04	-1.414e+05	-7.784e+04	5997.12
12	188	384.73	-4399.27	-3.980e+04	1.100e+05	9618.23	-3360.63
12	210	516.18	-101.73	-4.359e+04	2543.22	1.290e+04	14.88
12	218	167.68	579.91	-4.377e+04	-1.450e+04	4191.88	-0.56
12	219	-123.03	-482.12	-4.303e+04	1.205e+04	-3075.75	-24.28
12	220	-128.02	581.00	-4.361e+04	-1.453e+04	-3200.53	-16.24
Nodo		**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		-4.186e+04	-3.661e+04	-6.600e+04	-9.163e+05	-1.174e+06	-1.239e+04
		3.720e+04	3.231e+04	-3.156e+04	9.154e+05	9.300e+05	1.245e+04

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
1	51	-6608.62	-8788.38	-6.054e+04	2.637e+05	-1.983e+05	1.135e+04
	102	-3.499e+04	2.033e+04	-3.156e+04	-6.099e+05	-1.050e+06	5365.37
	35	-3.699e+04	3.054e+04	-5.084e+04	-9.163e+05	-1.110e+06	-8930.32
	96	301.36	-1.605e+04	-3.581e+04	4.816e+05	9036.81	1.220e+04
	57	-3.914e+04	2.469e+04	-5.142e+04	-7.408e+05	-1.174e+06	4837.43
	70	1.034e+04	-1.084e+04	-3.962e+04	3.253e+05	3.102e+05	-7451.01
2	37	-3.274e+04	-1.211e+04	-6.349e+04	3.028e+05	-8.184e+05	-1.174e+04
	169	4067.04	-505.56	-3.950e+04	1.264e+04	1.017e+05	3070.65
	26	1059.81	9920.26	-4.748e+04	-2.480e+05	2.649e+04	-6824.99
	101	-3.200e+04	-3.641e+04	-6.137e+04	9.102e+05	-8.000e+05	6853.76
	35	-4.186e+04	-2.563e+04	-6.167e+04	6.407e+05	-1.046e+06	-7416.80
	92	1.092e+04	-859.50	-4.718e+04	2.149e+04	2.729e+05	7445.57
3	103	-2403.39	-2.752e+04	-6.382e+04	6.880e+05	-6.008e+04	1.213e+04
	189	-390.67	3763.64	-4.179e+04	-9.409e+04	-9766.77	-3498.43
	26	-4429.65	7924.34	-4.641e+04	-1.981e+05	-1.107e+05	-6929.60
	101	-8838.93	-3.501e+04	-6.207e+04	8.751e+05	-2.210e+05	6972.95
	37	-1.885e+04	-1.558e+04	-6.041e+04	3.896e+05	-4.713e+05	-1.184e+04
	96	6165.88	-6059.01	-5.023e+04	1.515e+05	1.541e+05	1.243e+04
4	73	-6069.29	-6084.39	-6.456e+04	1.521e+05	-1.517e+05	-1.239e+04
	183	357.57	3779.53	-4.196e+04	-9.449e+04	8939.14	3328.40
	48	-7503.45	7798.35	-4.439e+04	-1.950e+05	-1.876e+05	6830.99
	79	8401.45	-3.506e+04	-6.212e+04	8.766e+05	2.100e+05	-7430.24
	30	-1.347e+04	2552.61	-4.311e+04	-6.382e+04	-3.368e+05	-1.163e+04
	101	1.382e+04	-3.394e+04	-6.171e+04	8.485e+05	3.456e+05	7391.42
5	73	-9333.58	-8802.18	-6.469e+04	2.201e+05	-2.333e+05	-1.185e+04
	38	8832.87	-2.230e+04	-3.663e+04	5.575e+05	2.208e+05	-1.091e+04
	48	-1.299e+04	9830.38	-4.067e+04	-2.458e+05	-3.248e+05	7156.48
	79	3.180e+04	-3.661e+04	-6.051e+04	9.154e+05	7.949e+05	-6578.26
	30	-1.673e+04	-870.12	-3.738e+04	2.175e+04	-4.183e+05	-1.117e+04
	101	3.720e+04	-3.356e+04	-5.953e+04	8.390e+05	9.300e+05	8066.53
6	51	-4336.04	-5200.95	-6.337e+04	1.300e+05	-1.084e+05	1.157e+04
	102	-3.463e+04	-7679.24	-4.001e+04	1.920e+05	-8.658e+05	8396.80
	193	1060.20	5633.17	-4.347e+04	-1.408e+05	2.651e+04	-6172.18
	96	4877.94	-1.288e+04	-4.437e+04	3.220e+05	1.219e+05	1.242e+04
	35	-4.017e+04	3129.88	-5.667e+04	-7.825e+04	-1.004e+06	-5950.78
	70	8236.13	-4593.52	-4.491e+04	1.148e+05	2.059e+05	-7336.42
7	23	-3847.34	1093.78	-6.421e+04	-2.734e+04	-9.618e+04	-6887.65
	170	3570.47	-1911.44	-4.700e+04	4.779e+04	8.926e+04	5868.65
	193	1079.32	4207.17	-4.746e+04	-1.052e+05	2.698e+04	-6153.74
	103	-7288.03	-1.026e+04	-6.201e+04	2.564e+05	-1.822e+05	1.225e+04
	35	-1.763e+04	1086.79	-6.320e+04	-2.717e+04	-4.406e+05	-7106.11
	169	3580.17	484.04	-4.702e+04	-1.210e+04	8.950e+04	2985.65
8	5	-1640.20	-13.02	-6.307e+04	325.54	-4.101e+04	2.65
	44	-9232.89	1643.98	-4.575e+04	-4.110e+04	-2.308e+05	1.156e+04
	187	-1067.93	4184.30	-4.739e+04	-1.046e+05	-2.670e+04	6078.82
	81	7056.52	-1.027e+04	-6.208e+04	2.568e+05	1.764e+05	-1.209e+04
	30	-1.091e+04	-1652.68	-4.624e+04	4.132e+04	-2.727e+05	-1.146e+04
	79	1.172e+04	-6179.32	-6.232e+04	1.545e+05	2.929e+05	-7110.52
9	5	-4847.37	-5.18	-5.812e+04	129.44	-1.212e+05	48.56
	38	1.131e+04	-4844.78	-3.685e+04	1.211e+05	2.828e+05	-1.103e+04
	187	-1055.74	5605.94	-4.361e+04	-1.401e+05	-2.639e+04	6078.71
	74	-4829.18	-1.288e+04	-4.432e+04	3.220e+05	-1.207e+05	-1.212e+04
	30	-1.411e+04	-4940.23	-3.845e+04	1.235e+05	-3.527e+05	-1.140e+04
	79	3.427e+04	-7577.00	-5.509e+04	1.894e+05	8.568e+05	-6625.55
10	57	-1.845e+04	2.781e+04	-6.600e+04	-6.953e+05	-4.612e+05	6136.42
	88	-4615.80	-1.018e+04	-3.902e+04	2.546e+05	-1.154e+05	1.245e+04
	36	-1.617e+04	2.993e+04	-5.263e+04	-7.483e+05	-4.042e+05	-7726.46
	95	-2980.35	-1.433e+04	-5.282e+04	3.583e+05	-7.451e+04	1.244e+04
	59	-1.870e+04	1.555e+04	-6.396e+04	-3.887e+05	-4.676e+05	1.115e+04
	74	6164.25	-1.243e+04	-3.978e+04	3.107e+05	1.541e+05	-1.231e+04
11	15	1.084e+04	2.894e+04	-6.328e+04	-7.236e+05	2.710e+05	1510.22
	66	4539.41	-1.019e+04	-3.867e+04	2.547e+05	1.135e+05	-1.221e+04
	57	3695.45	2.988e+04	-6.244e+04	-7.471e+05	9.239e+04	8484.15
	74	2957.90	-1.434e+04	-3.906e+04	3.585e+05	7.395e+04	-1.221e+04
	52	-1.348e+04	-2578.36	-4.392e+04	6.446e+04	-3.371e+05	1.169e+04
	79	1.356e+04	2.283e+04	-5.953e+04	-5.707e+05	3.390e+05	-5855.56
12	5	-4875.27	-4086.12	-5.692e+04	1.022e+05	-1.219e+05	-32.50

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
	82	2.493e+04	4721.59	-3.373e+04	-1.180e+05	6.233e+05	-1.099e+04
	57	2.689e+04	3.231e+04	-4.894e+04	-8.077e+05	6.723e+05	8717.00
	74	-367.03	-1.698e+04	-3.606e+04	4.245e+05	-9175.82	-1.211e+04
	52	-1.676e+04	889.84	-3.721e+04	-2.225e+04	-4.190e+05	1.144e+04
	79	3.673e+04	2.159e+04	-4.825e+04	-5.397e+05	9.182e+05	-5415.07

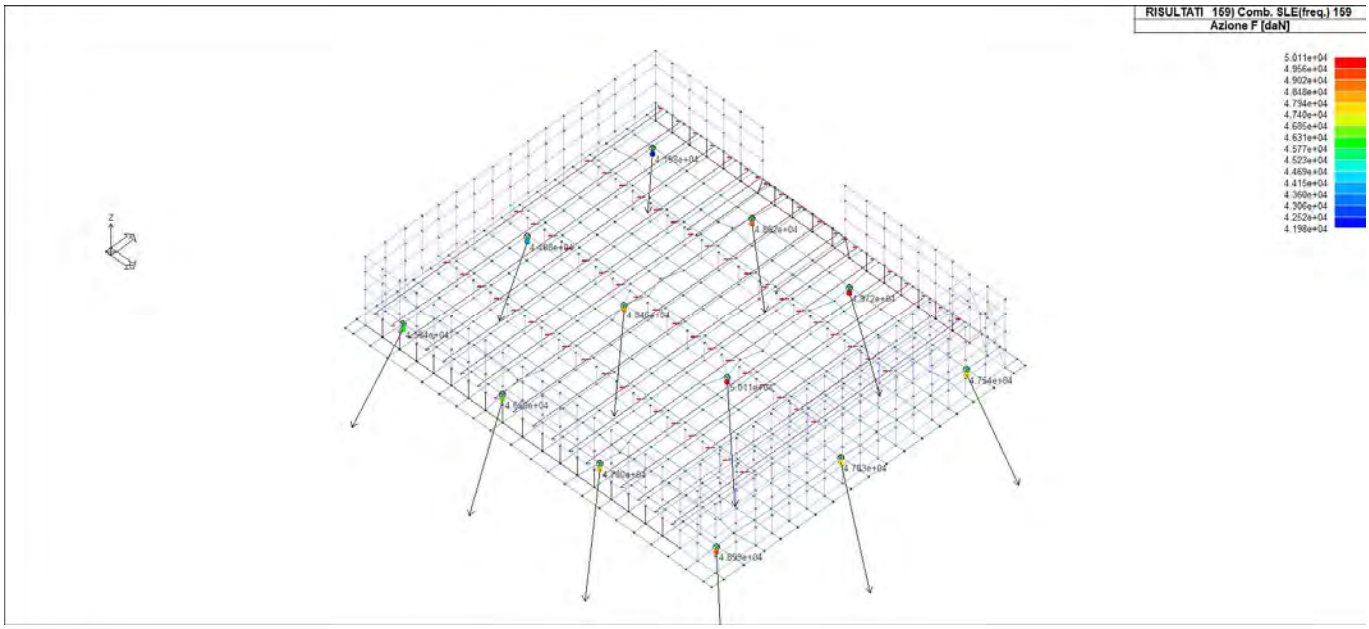


Figura 38 - RIS_REAZIONI_159_Comb SLEfreq 159

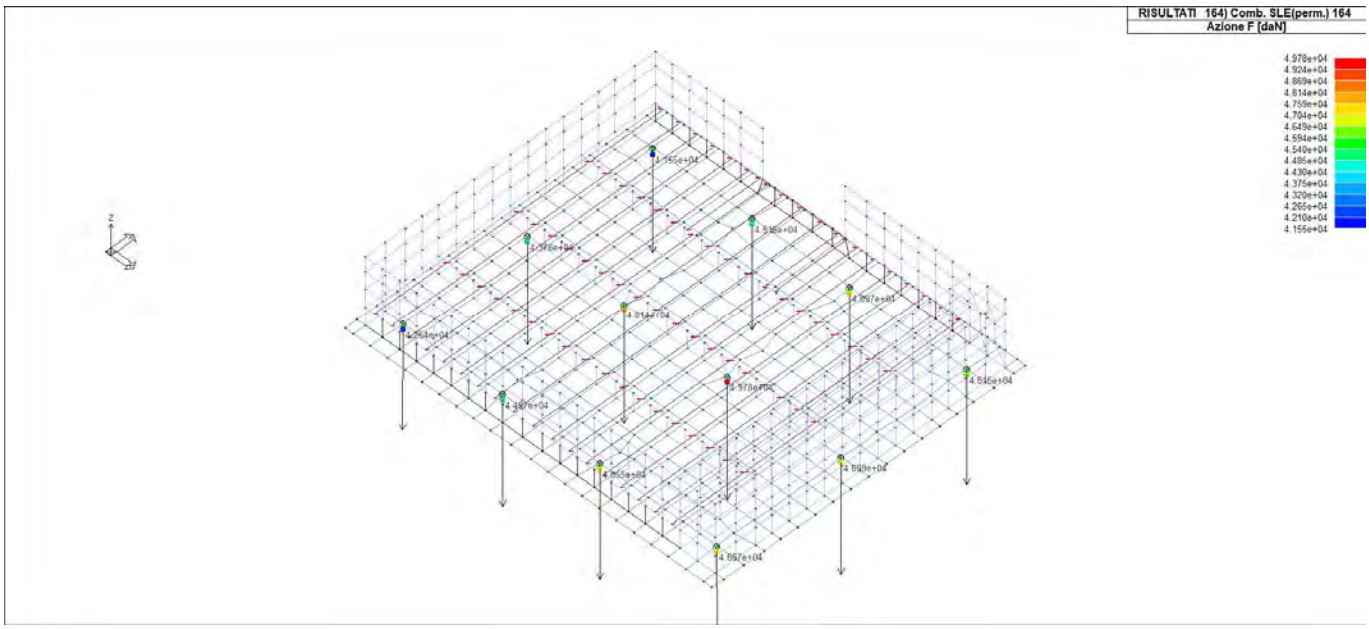


Figura 39 - RIS_REAZIONI_164_Comb SLEperm 164

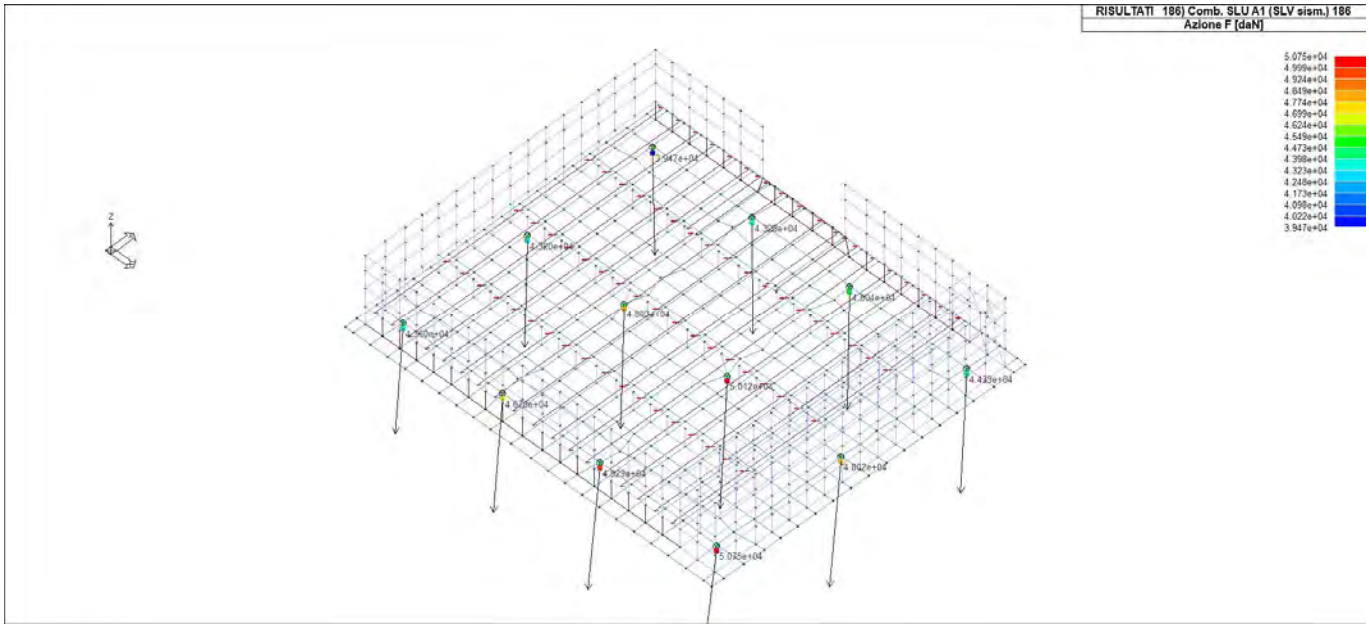


Figura 40 - RIS_REAZIONI_186_Comb SLU A1 SLV sism 186

16 RISULTATI OPERE DI FONDAZIONE

16.1 LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.
Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.
In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (*PALO*) 4) plinto su palo 5) plinto su due pali (*PL.2P*) 6) plinto su tre pali (*PL.3P*) 7) plinto su quattro pali (*PL.4P*) 8) plinto rettangolare su cinque pali (*PL.5P.R*) 9) plinto pentagonale su cinque pali (*PL.5P*) 10) plinto su sei pali (*PL.6P*)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione Fz (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.
In particolare viene riportato:

Nodo		numero del nodo a cui è applicato il plinto
Tipo		Codice identificativo del nome assegnato al plinto
area		area dell'impronta del plinto
Wink O	**Wink V**	coefficienti di Winkler (orizzontale e verticale) adottati
Comb		Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)		valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.
Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
				cm	daN	daN	daN	daN cm	daN cm	daN cm
1	PALO_STR_1 - PALO D 60.00	1	5	-80.00	4823.76	-3885.26	-5.485e+04	-1.166e+05	1.447e+05	-185.62
		1	15	-80.00	-3.362e+04	2.763e+04	-4.751e+04	8.289e+05	-1.009e+06	-2014.91
		1	16	-80.00	-3.362e+04	2.762e+04	-3.505e+04	8.286e+05	-1.009e+06	-1970.87
		1	35	-80.00	-3.838e+04	3.066e+04	-5.052e+04	9.198e+05	-1.151e+06	-8672.97
		1	51	-80.00	-6569.39	-8988.11	-6.001e+04	-2.696e+05	-1.971e+05	1.102e+04
		1	57	-80.00	-4.046e+04	2.457e+04	-5.098e+04	7.371e+05	-1.214e+06	4709.49
		1	102	-80.00	-3.599e+04	2.023e+04	-3.133e+04	6.069e+05	-1.080e+06	4749.76
		1	122	-80.00	-2.559e+04	2.044e+04	-3.922e+04	6.133e+05	-7.677e+05	-5801.55
		1	130	-80.00	-4382.04	-5987.84	-4.555e+04	-1.796e+05	-1.315e+05	7329.21
		1	133	-80.00	-2.698e+04	1.638e+04	-3.953e+04	4.915e+05	-8.093e+05	3120.09
		1	155	-80.00	-2.400e+04	1.350e+04	-3.474e+04	4.049e+05	-7.200e+05	3117.57
		1	159	-80.00	-1.122e+04	9227.99	-3.939e+04	2.768e+05	-3.366e+05	-754.82
		1	161	-80.00	-1537.61	-648.57	-4.233e+04	-1.946e+04	-4.613e+04	1347.51
		1	164	-80.00	-18.30	31.74	-4.155e+04	952.13	-553.28	-146.80
		1	175	-80.00	-4997.13	-1118.61	-4.425e+04	-3.356e+04	-1.499e+05	5727.07
		1	193	-80.00	2848.66	5439.40	-4.329e+04	1.632e+05	8.546e+04	-5800.04
		1	194	-80.00	-220.74	-4191.58	-3.849e+04	-1.257e+05	-6626.05	2901.14
		1	195	-80.00	184.13	4255.05	-4.462e+04	1.277e+05	5519.49	-3194.74
		1	201	-80.00	-477.14	171.87	-4.198e+04	5156.22	-1.432e+04	-161.85
		1	204	-80.00	440.53	-108.40	-4.113e+04	-3251.97	1.321e+04	-131.75
		1	218	-80.00	108.58	534.18	-4.174e+04	1.603e+04	3253.16	-110.60
2	PALO_STR_1 - PALO D 60.00	1	4	-75.00	-33.49	-25.79	-4.254e+04	-644.80	-841.60	69.52
		1	15	-75.00	-3.603e+04	-2.870e+04	-5.721e+04	-7.176e+05	-9.008e+05	-561.36
		1	35	-75.00	-4.325e+04	-2.550e+04	-6.097e+04	-6.375e+05	-1.081e+06	-7233.09
		1	37	-75.00	-3.367e+04	-1.190e+04	-6.271e+04	-2.974e+05	-8.417e+05	-1.142e+04
		1	64	-75.00	-2933.71	-4586.01	-4.509e+04	-1.147e+05	-7.335e+04	-7826.74
		1	101	-75.00	-3.356e+04	-3.651e+04	-6.090e+04	-9.127e+05	-8.389e+05	6153.87
		1	106	-75.00	-33.49	-25.79	-4.254e+04	-644.80	-841.60	69.52
		1	122	-75.00	-2.884e+04	-1.700e+04	-4.632e+04	-4.251e+05	-7.210e+05	-4812.79
		1	123	-75.00	-2.245e+04	-7933.63	-4.748e+04	-1.983e+05	-5.612e+05	-7604.21
		1	155	-75.00	-2.238e+04	-2.434e+04	-4.627e+04	-6.085e+05	-5.594e+05	4111.85
		1	157	-75.00	-33.49	-25.79	-4.254e+04	-644.80	-841.60	69.52
		1	159	-75.00	-1.203e+04	-9582.42	-4.318e+04	-2.396e+05	-3.008e+05	-147.72
		1	160	-75.00	-1637.48	686.23	-4.338e+04	1.716e+04	-4.094e+04	-1413.08
		1	164	-75.00	-33.49	-25.79	-4.254e+04	-644.80	-841.60	69.52
		1	168	-75.00	-5284.57	1170.56	-4.543e+04	2.926e+04	-1.321e+05	-5772.82
		1	169	-75.00	4173.24	-566.24	-3.943e+04	-1.416e+04	1.043e+05	3073.60
		1	172	-75.00	-4240.22	514.66	-4.566e+04	1.287e+04	-1.060e+05	-2934.55
		1	196	-75.00	604.45	-5735.07	-4.556e+04	-1.434e+05	1.511e+04	5717.14
		1	212	-75.00	-516.68	-173.86	-4.286e+04	-4346.61	-1.292e+04	65.95
		1	213	-75.00	-189.54	-555.00	-4.294e+04	-1.388e+04	-4742.83	1.65
		1	216	-75.00	122.55	503.42	-4.215e+04	1.259e+04	3059.63	137.39
3	PALO_STR_1 - PALO D 60.00	1	4	-75.00	-22.20	0.12	-4.497e+04	3.12	-555.01	-21.38
		1	11	-75.00	-7744.35	-1.734e+04	-5.985e+04	-4.335e+05	-1.936e+05	-322.61
		1	15	-75.00	-1.289e+04	-2.890e+04	-5.959e+04	-7.225e+05	-3.221e+05	-513.77
		1	16	-75.00	-1.288e+04	-2.890e+04	-4.610e+04	-7.225e+05	-3.220e+05	-507.36
		1	35	-75.00	-2.011e+04	-2.762e+04	-6.087e+04	-6.906e+05	-5.029e+05	-7241.03
		1	42	-75.00	-5062.88	-1287.92	-4.619e+04	-3.220e+04	-1.266e+05	6711.46
		1	102	-75.00	-1.040e+04	-3.528e+04	-4.953e+04	-8.819e+05	-2.600e+05	6265.11
		1	103	-75.00	-3611.00	-2.797e+04	-6.486e+04	-6.992e+05	-9.028e+04	1.097e+04
		1	106	-75.00	-22.20	0.12	-4.497e+04	3.12	-555.01	-21.38
		1	122	-75.00	-1.341e+04	-1.841e+04	-4.658e+04	-4.604e+05	-3.353e+05	-4830.20
		1	155	-75.00	-6940.53	-2.352e+04	-4.801e+04	-5.879e+05	-1.735e+05	4169.62
		1	156	-75.00	-2410.29	-1.865e+04	-4.924e+04	-4.661e+05	-6.026e+04	7309.20
		1	157	-75.00	-22.20	0.12	-4.497e+04	3.12	-555.01	-21.38
		1	159	-75.00	-4307.72	-9633.25	-4.534e+04	-2.408e+05	-1.077e+05	-183.37
		1	163	-75.00	528.71	-1416.95	-4.573e+04	-3.542e+04	1.322e+04	1483.62
		1	164	-75.00	-22.20	0.12	-4.497e+04	3.12	-555.01	-21.38
		1	168	-75.00	-5281.69	-122.56	-4.637e+04	-3063.99	-1.320e+05	-5908.63

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	189	-75.00	-218.55	3899.59	-4.252e+04	9.749e+04	-5463.65	-3102.48
		1	192	-75.00	174.14	-3899.34	-4.742e+04	-9.748e+04	4353.63	3059.73
		1	193	-75.00	-659.98	4394.87	-4.253e+04	1.099e+05	-1.650e+04	-5709.97
		1	212	-75.00	-506.86	-150.91	-4.512e+04	-3772.64	-1.267e+04	-39.77
		1	214	-75.00	-154.41	545.71	-4.474e+04	1.364e+04	-3860.17	21.59
		1	218	-75.00	133.82	545.45	-4.471e+04	1.364e+04	3345.50	23.08
		1	219	-75.00	-178.22	-545.20	-4.523e+04	-1.363e+04	-4455.52	-65.83
4	PALO_STR_2 - PALO D 60.00	1	4	-75.00	0.82	-8.53	-4.655e+04	-213.23	20.43	-95.54
		1	5	-75.00	-1391.69	4113.88	-6.156e+04	1.028e+05	-3.479e+04	-127.79
		1	15	-75.00	9764.37	-2.896e+04	-6.099e+04	-7.240e+05	2.441e+05	-106.95
		1	22	-75.00	-1.205e+04	-1380.08	-4.487e+04	-3.450e+04	-3.012e+05	-1.132e+04
		1	30	-75.00	-1.344e+04	2745.39	-4.526e+04	6.863e+04	-3.360e+05	-1.133e+04
		1	73	-75.00	-6237.75	-6065.17	-6.714e+04	-1.516e+05	-1.559e+05	-1.338e+04
		1	79	-75.00	6857.10	-3.507e+04	-6.473e+04	-8.767e+05	1.714e+05	-8059.30
		1	115	-75.00	-8031.69	-922.90	-4.543e+04	-2.307e+04	-2.008e+05	-7581.53
		1	119	-75.00	-8960.61	1827.42	-4.569e+04	4.569e+04	-2.240e+05	-7582.66
		1	141	-75.00	-4158.39	-4044.58	-5.097e+04	-1.011e+05	-1.040e+05	-8932.61
		1	144	-75.00	4571.51	-2.338e+04	-4.936e+04	-5.845e+05	1.143e+05	-5385.60
		1	159	-75.00	3255.25	-9657.60	-4.671e+04	-2.414e+05	8.138e+04	-89.79
		1	160	-75.00	-1605.69	-191.40	-4.632e+04	-4785.07	-4.014e+04	-1592.73
		1	162	-75.00	-645.24	-1365.80	-4.738e+04	-3.415e+04	-1.613e+04	-1862.72
		1	164	-75.00	0.82	-8.53	-4.655e+04	-213.23	20.43	-95.54
		1	165	-75.00	5260.59	1719.62	-4.646e+04	4.299e+04	1.315e+05	5800.41
		1	182	-75.00	-473.01	-3827.35	-4.915e+04	-9.568e+04	-1.183e+04	-3939.66
		1	183	-75.00	474.64	3810.29	-4.395e+04	9.526e+04	1.187e+04	3748.59
		1	186	-75.00	-914.80	-4149.21	-4.911e+04	-1.037e+05	-2.287e+04	-6550.01
		1	209	-75.00	485.94	146.65	-4.649e+04	3666.18	1.215e+04	-76.93
		1	214	-75.00	-132.99	545.67	-4.628e+04	1.364e+04	-3324.85	-79.46
		1	215	-75.00	134.63	-562.73	-4.681e+04	-1.407e+04	3365.71	-111.61
		1	219	-75.00	-153.90	-562.85	-4.679e+04	-1.407e+04	-3847.39	-116.25
5	PALO_STR_2 - PALO D 60.00	1	5	-75.00	-5191.14	4083.13	-6.126e+04	1.021e+05	-1.298e+05	345.89
		1	15	-75.00	3.700e+04	-2.888e+04	-5.989e+04	-7.220e+05	9.251e+05	809.19
		1	16	-75.00	3.699e+04	-2.887e+04	-4.589e+04	-7.217e+05	9.247e+05	736.06
		1	38	-75.00	1.020e+04	-2.242e+04	-3.945e+04	-5.606e+05	2.549e+05	-1.050e+04
		1	73	-75.00	-1.002e+04	-9555.62	-6.866e+04	-2.389e+05	-2.505e+05	-1.268e+04
		1	79	-75.00	3.411e+04	-3.706e+04	-6.461e+04	-9.266e+05	8.527e+05	-6997.85
		1	101	-75.00	3.947e+04	-3.375e+04	-6.368e+04	-8.437e+05	9.868e+05	7522.52
		1	123	-75.00	6814.97	-1.496e+04	-4.186e+04	-3.740e+05	1.704e+05	-6916.49
		1	141	-75.00	-6672.66	-6374.89	-5.200e+04	-1.594e+05	-1.668e+05	-8423.06
		1	144	-75.00	2.275e+04	-2.471e+04	-4.929e+04	-6.178e+05	5.686e+05	-4632.73
		1	155	-75.00	2.632e+04	-2.250e+04	-4.868e+04	-5.626e+05	6.580e+05	5047.52
		1	159	-75.00	1.236e+04	-9645.64	-4.641e+04	-2.411e+05	3.091e+05	407.87
		1	160	-75.00	-1549.50	-712.02	-4.577e+04	-1.780e+04	-3.874e+04	-1227.65
		1	162	-75.00	-590.54	-1852.06	-4.772e+04	-4.630e+04	-1.476e+04	-1491.12
		1	164	-75.00	52.79	-33.56	-4.667e+04	-839.02	1319.75	243.78
		1	165	-75.00	5297.83	3544.71	-4.834e+04	8.862e+04	1.324e+05	6034.88
		1	182	-75.00	-416.62	-4786.66	-5.049e+04	-1.197e+05	-1.042e+04	-3527.25
		1	183	-75.00	522.20	4719.54	-4.286e+04	1.180e+05	1.306e+04	4014.82
		1	186	-75.00	-858.45	-5976.76	-5.039e+04	-1.494e+05	-2.146e+04	-6116.86
		1	203	-75.00	536.46	123.60	-4.678e+04	3089.92	1.341e+04	241.27
		1	217	-75.00	186.83	-591.38	-4.708e+04	-1.478e+04	4670.84	222.64
		1	220	-75.00	-81.25	524.26	-4.626e+04	1.311e+04	-2031.34	264.92
6	PALO_STR_1 - PALO D 60.00	1	5	-75.00	5093.30	-5.54	-5.803e+04	-138.40	1.273e+05	-14.72
		1	15	-75.00	-3.592e+04	45.61	-5.283e+04	1140.17	-8.980e+05	928.63
		1	16	-75.00	-3.591e+04	44.94	-3.970e+04	1123.54	-8.978e+05	931.49
		1	35	-75.00	-4.164e+04	3259.40	-5.607e+04	8.149e+04	-1.041e+06	-5768.13
		1	51	-75.00	-4416.80	-5411.40	-6.276e+04	-1.353e+05	-1.104e+05	1.125e+04
		1	96	-75.00	5069.46	-1.305e+04	-4.405e+04	-3.261e+05	1.267e+05	1.128e+04
		1	102	-75.00	-3.593e+04	-7778.81	-3.962e+04	-1.945e+05	-8.983e+05	7703.76
		1	122	-75.00	-2.776e+04	2173.23	-4.322e+04	5.433e+04	-6.940e+05	-3846.69
		1	130	-75.00	-2948.74	-3607.30	-4.768e+04	-9.018e+04	-7.372e+04	7498.47
		1	152	-75.00	3369.11	-8696.56	-4.396e+04	-2.174e+05	8.423e+04	7514.09
		1	155	-75.00	-2.397e+04	-5185.14	-4.100e+04	-1.296e+05	-5.991e+05	5132.67
		1	159	-75.00	-1.199e+04	16.46	-4.242e+04	411.48	-2.998e+05	304.15
		1	161	-75.00	-1299.82	-718.54	-4.450e+04	-1.796e+04	-3.250e+04	1492.30
		1	163	-75.00	-36.25	-1736.39	-4.376e+04	-4.341e+04	-906.22	1495.43
		1	164	-75.00	-31.57	2.22	-4.378e+04	55.45	-789.37	-9.52

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	172	-75.00	-3729.12	544.97	-4.583e+04	1.362e+04	-9.323e+04	-3018.63
		1	178	-75.00	3653.19	564.19	-4.168e+04	1.410e+04	9.133e+04	-3058.52
		1	179	-75.00	-3716.34	-559.76	-4.588e+04	-1.399e+04	-9.291e+04	3039.48
		1	193	-75.00	1088.67	5727.36	-4.320e+04	1.432e+05	2.722e+04	-5703.50
		1	198	-75.00	-517.18	160.13	-4.407e+04	4003.14	-1.293e+04	-0.89
		1	199	-75.00	454.03	-155.69	-4.348e+04	-3892.23	1.135e+04	-18.15
		1	216	-75.00	112.27	533.52	-4.372e+04	1.334e+04	2806.72	8.49
7	PALO_STR_1 - PALO D 60.00	1	4	-75.00	-14.46	-1.95	-4.814e+04	-48.71	-361.61	-7.90
		1	5	-75.00	1894.59	-11.40	-6.403e+04	-284.99	4.736e+04	-11.50
		1	15	-75.00	-1.338e+04	-18.93	-6.292e+04	-473.20	-3.345e+05	-244.33
		1	23	-75.00	-3824.87	1315.13	-6.494e+04	3.288e+04	-9.562e+04	-6696.00
		1	35	-75.00	-1.910e+04	1307.60	-6.383e+04	3.269e+04	-4.775e+05	-6928.83
		1	88	-75.00	-49.50	-1.069e+04	-4.802e+04	-2.672e+05	-1237.52	1.124e+04
		1	103	-75.00	-8070.26	-1.070e+04	-6.267e+04	-2.674e+05	-2.018e+05	1.110e+04
		1	116	-75.00	-2551.84	876.49	-4.971e+04	2.191e+04	-6.380e+04	-4465.05
		1	122	-75.00	-1.273e+04	871.47	-4.897e+04	2.179e+04	-3.184e+05	-4620.27
		1	148	-75.00	-37.82	-7125.59	-4.806e+04	-1.781e+05	-945.55	7490.59
		1	156	-75.00	-5382.10	-7132.14	-4.820e+04	-1.783e+05	-1.346e+05	7396.97
		1	159	-75.00	-4468.03	-7.41	-4.825e+04	-185.33	-1.117e+05	-85.92
		1	160	-75.00	-1285.45	292.84	-4.834e+04	7320.90	-3.214e+04	-1493.34
		1	163	-75.00	-19.14	-1426.68	-4.812e+04	-3.567e+04	-478.40	1491.80
		1	164	-75.00	-14.46	-1.95	-4.814e+04	-48.71	-361.61	-7.90
		1	170	-75.00	3678.07	-2106.26	-4.755e+04	-5.266e+04	9.195e+04	5619.22
		1	171	-75.00	-3707.00	2102.37	-4.873e+04	5.256e+04	-9.268e+04	-5635.02
		1	172	-75.00	-3715.16	-398.96	-4.870e+04	-9974.04	-9.288e+04	-3013.63
		1	196	-75.00	-1135.68	-4429.34	-4.827e+04	-1.107e+05	-2.839e+04	5668.21
		1	197	-75.00	-497.13	-164.04	-4.803e+04	-4101.04	-1.243e+04	-14.32
		1	198	-75.00	-497.61	159.32	-4.807e+04	3983.02	-1.244e+04	5.17
		1	200	-75.00	468.20	160.14	-4.825e+04	4003.62	1.170e+04	-1.48
		1	219	-75.00	-157.86	-541.06	-4.806e+04	-1.353e+04	-3946.59	-39.65
8	PALO_STR_2 - PALO D 60.00	1	4	-75.00	12.48	-3.51	-4.978e+04	-87.64	311.98	1.27
		1	5	-75.00	-1458.25	-13.44	-6.606e+04	-335.97	-3.646e+04	1.87
		1	15	-75.00	1.036e+04	-35.30	-6.532e+04	-882.44	2.591e+05	193.77
		1	30	-75.00	-1.099e+04	-1452.96	-4.872e+04	-3.632e+04	-2.748e+05	-1.114e+04
		1	44	-75.00	-9506.61	1452.02	-4.818e+04	3.630e+04	-2.377e+05	1.125e+04
		1	67	-75.00	-1439.38	-6160.96	-6.601e+04	-1.540e+05	-3.598e+04	-7909.72
		1	81	-75.00	6256.72	-1.027e+04	-6.499e+04	-2.567e+05	1.564e+05	-1.307e+04
		1	107	-75.00	-970.50	-9.43	-5.068e+04	-235.66	-2.426e+04	1.42
		1	119	-75.00	-7325.02	-969.81	-4.907e+04	-2.425e+04	-1.831e+05	-7427.16
		1	126	-75.00	-6333.58	966.84	-4.872e+04	2.417e+04	-1.583e+05	7498.63
		1	145	-75.00	4172.81	-6846.38	-4.997e+04	-1.712e+05	1.043e+05	-8712.54
		1	159	-75.00	3461.96	-13.75	-4.999e+04	-343.81	8.655e+04	65.31
		1	161	-75.00	-1256.73	190.56	-4.957e+04	4764.10	-3.142e+04	1500.74
		1	162	-75.00	16.67	-1369.62	-4.977e+04	-3.424e+04	416.77	-1756.86
		1	164	-75.00	12.48	-3.51	-4.978e+04	-87.64	311.98	1.27
		1	169	-75.00	3712.65	1587.49	-5.040e+04	3.969e+04	9.282e+04	3007.56
		1	173	-75.00	3700.48	631.18	-5.040e+04	1.578e+04	9.251e+04	-2819.30
		1	176	-75.00	-3675.52	-638.19	-4.916e+04	-1.595e+04	-9.189e+04	2821.85
		1	186	-75.00	1132.17	-4179.16	-4.994e+04	-1.045e+05	2.830e+04	-6428.79
		1	197	-75.00	-468.55	-167.52	-4.967e+04	-4187.91	-1.171e+04	-4.81
		1	200	-75.00	493.50	160.50	-4.990e+04	4012.62	1.234e+04	7.36
		1	206	-75.00	493.92	160.91	-4.984e+04	4022.75	1.235e+04	7.28
		1	215	-75.00	156.05	-552.38	-4.975e+04	-1.381e+04	3901.23	-28.99
9	PALO_STR_2 - PALO D 60.00	1	5	-75.00	-5198.23	-4.28	-6.173e+04	-107.06	-1.300e+05	50.80
		1	15	-75.00	3.675e+04	153.56	-5.879e+04	3839.01	9.187e+05	648.48
		1	16	-75.00	3.674e+04	152.72	-4.469e+04	3817.89	9.185e+05	637.85
		1	38	-75.00	1.254e+04	-4975.05	-3.963e+04	-1.244e+05	3.134e+05	-1.072e+04
		1	67	-75.00	-5179.41	-8185.71	-6.166e+04	-2.046e+05	-1.295e+05	-7800.03
		1	74	-75.00	-5178.35	-1.364e+04	-4.707e+04	-3.410e+05	-1.295e+05	-1.305e+04
		1	79	-75.00	3.677e+04	-8027.87	-5.873e+04	-2.007e+05	9.192e+05	-7202.35
		1	107	-75.00	-3461.08	-2.48	-4.742e+04	-61.99	-8.653e+04	38.59
		1	123	-75.00	8368.34	-3315.76	-4.209e+04	-8.289e+04	2.092e+05	-7133.45
		1	141	-75.00	-3441.22	-9093.10	-4.704e+04	-2.273e+05	-8.603e+04	-8686.36
		1	144	-75.00	2.452e+04	-5351.54	-4.542e+04	-1.338e+05	6.129e+05	-4796.84
		1	157	-75.00	33.03	2.82	-4.699e+04	70.40	825.67	35.45
		1	159	-75.00	1.227e+04	52.78	-4.623e+04	1319.56	3.067e+05	236.25
		1	160	-75.00	-1236.32	-672.89	-4.620e+04	-1.682e+04	-3.091e+04	-1446.52

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	162	-75.00	37.21	-1815.28	-4.698e+04	-4.538e+04	930.24	-1709.18
		1	164	-75.00	33.03	2.82	-4.699e+04	70.40	825.67	35.45
		1	169	-75.00	3728.94	2905.05	-4.930e+04	7.263e+04	9.322e+04	3036.85
		1	172	-75.00	-3662.89	-2899.42	-4.468e+04	-7.249e+04	-9.157e+04	-2965.94
		1	187	-75.00	-1085.40	5942.76	-4.635e+04	1.486e+05	-2.714e+04	6422.83
		1	206	-75.00	518.03	169.31	-4.724e+04	4232.79	1.295e+04	39.22
		1	207	-75.00	-451.98	-163.68	-4.675e+04	-4091.98	-1.130e+04	31.68
		1	220	-75.00	-111.17	563.02	-4.692e+04	1.408e+04	-2779.37	65.99
10	PALO_STR_1 - PALO D 60.00	1	4	-75.00	-15.01	-4.45	-4.516e+04	-111.31	-375.13	-3.35
		1	15	-75.00	-1.261e+04	2.889e+04	-6.563e+04	7.221e+05	-3.152e+05	-841.27
		1	16	-75.00	-1.260e+04	2.889e+04	-5.208e+04	7.222e+05	-3.151e+05	-840.26
		1	35	-75.00	-1.765e+04	3.016e+04	-6.681e+04	7.540e+05	-4.412e+05	-7513.81
		1	36	-75.00	-1.764e+04	3.016e+04	-5.326e+04	7.541e+05	-4.411e+05	-7512.80
		1	57	-75.00	-1.985e+04	2.760e+04	-6.675e+04	6.899e+05	-4.961e+05	5961.51
		1	88	-75.00	-4192.60	-1.063e+04	-3.966e+04	-2.657e+05	-1.048e+05	1.131e+04
		1	122	-75.00	-1.177e+04	2.011e+04	-5.056e+04	5.027e+05	-2.942e+05	-5009.65
		1	133	-75.00	-1.323e+04	1.840e+04	-5.052e+04	4.599e+05	-3.308e+05	3973.90
		1	148	-75.00	-2800.07	-7087.89	-4.150e+04	-1.772e+05	-7.000e+04	7535.82
		1	159	-75.00	-4211.53	9626.00	-4.747e+04	2.407e+05	-1.053e+05	-282.32
		1	163	-75.00	-572.02	-1421.14	-4.443e+04	-3.553e+04	-1.430e+04	1504.49
		1	164	-75.00	-15.01	-4.45	-4.516e+04	-111.31	-375.13	-3.35
		1	175	-75.00	-5285.08	109.80	-4.644e+04	2745.11	-1.321e+05	5933.64
		1	190	-75.00	-671.19	-4395.72	-4.282e+04	-1.099e+05	-1.678e+04	5681.88
		1	191	-75.00	641.18	4386.82	-4.750e+04	1.097e+05	1.603e+04	-5688.57
		1	196	-75.00	-3047.97	-4398.49	-4.326e+04	-1.100e+05	-7.620e+04	5707.61
		1	201	-75.00	-501.81	144.92	-4.518e+04	3623.10	-1.255e+04	15.03
		1	213	-75.00	-149.01	-543.24	-4.498e+04	-1.358e+04	-3725.16	-26.80
		1	226	-75.00	143.18	-508.29	-4.494e+04	-1.271e+04	3579.62	-40.80
		1	227	-75.00	-173.20	499.39	-4.538e+04	1.248e+04	-4329.88	34.11
11	PALO_STR_2 - PALO D 60.00	1	4	-75.00	0.90	1.13	-4.697e+04	28.13	22.39	72.15
		1	15	-75.00	9534.80	2.894e+04	-6.615e+04	7.235e+05	2.384e+05	1419.08
		1	35	-75.00	4499.63	2.812e+04	-6.554e+04	7.030e+05	1.125e+05	-5257.67
		1	52	-75.00	-1.345e+04	-2762.77	-4.606e+04	-6.907e+04	-3.362e+05	1.139e+04
		1	57	-75.00	2300.62	2.977e+04	-6.535e+04	7.443e+05	5.752e+04	8208.36
		1	66	-75.00	4889.34	-1.018e+04	-4.075e+04	-2.544e+05	1.222e+05	-1.318e+04
		1	112	-75.00	6356.65	1.929e+04	-5.036e+04	4.824e+05	1.589e+05	955.67
		1	130	-75.00	-8965.82	-1841.47	-4.636e+04	-4.604e+04	-2.241e+05	7616.28
		1	133	-75.00	1533.86	1.985e+04	-4.983e+04	4.962e+05	3.835e+04	5481.86
		1	137	-75.00	3259.86	-6784.74	-4.282e+04	-1.696e+05	8.150e+04	-8763.29
		1	159	-75.00	3178.78	9647.72	-4.867e+04	2.412e+05	7.947e+04	513.91
		1	162	-75.00	652.69	-1356.05	-4.614e+04	-3.390e+04	1.632e+04	-1694.94
		1	164	-75.00	0.90	1.13	-4.697e+04	28.13	22.39	72.15
		1	174	-75.00	5269.63	-1732.82	-4.675e+04	-4.332e+04	1.317e+05	-5857.37
		1	185	-75.00	-488.69	3817.89	-4.952e+04	9.545e+04	-1.222e+04	3906.04
		1	187	-75.00	-3308.06	4142.07	-4.922e+04	1.036e+05	-8.270e+04	6536.88
		1	188	-75.00	490.48	-3815.64	-4.442e+04	-9.539e+04	1.226e+04	-3761.74
		1	210	-75.00	487.96	-155.20	-4.686e+04	-3879.94	1.220e+04	49.45
		1	220	-75.00	-155.62	549.61	-4.717e+04	1.374e+04	-3890.57	112.53
		1	222	-75.00	-130.28	-514.98	-4.674e+04	-1.287e+04	-3256.93	35.22
		1	223	-75.00	132.07	517.23	-4.720e+04	1.293e+04	3301.71	109.08
12	PALO_STR_2 - PALO D 60.00	1	5	-75.00	-5216.97	-4093.00	-6.054e+04	-1.023e+05	-1.304e+05	-119.18
		1	15	-75.00	3.656e+04	2.930e+04	-5.620e+04	7.326e+05	9.139e+05	1443.30
		1	16	-75.00	3.655e+04	2.929e+04	-4.235e+04	7.323e+05	9.137e+05	1468.88
		1	23	-75.00	-1.023e+04	-7143.30	-5.718e+04	-1.786e+05	-2.559e+05	-6789.68
		1	57	-75.00	2.934e+04	3.239e+04	-5.233e+04	8.096e+05	7.335e+05	8128.55
		1	79	-75.00	3.948e+04	2.112e+04	-5.152e+04	5.280e+05	9.869e+05	-6358.74
		1	82	-75.00	2.681e+04	3953.45	-3.607e+04	9.884e+04	6.702e+05	-1.216e+04
		1	107	-75.00	-3473.36	-2722.82	-4.652e+04	-6.807e+04	-8.683e+04	-90.82
		1	133	-75.00	1.957e+04	2.160e+04	-4.104e+04	5.399e+05	4.891e+05	5407.67
		1	144	-75.00	2.632e+04	1.409e+04	-4.050e+04	3.522e+05	6.581e+05	-4250.53
		1	145	-75.00	1.788e+04	2650.24	-3.943e+04	6.626e+04	4.471e+05	-8132.54
		1	157	-75.00	34.65	43.82	-4.616e+04	1095.44	866.23	-85.27
		1	159	-75.00	1.221e+04	9792.96	-4.489e+04	2.448e+05	3.051e+05	432.78
		1	164	-75.00	34.65	43.82	-4.616e+04	1095.44	866.23	-85.27
		1	174	-75.00	5288.80	-3552.81	-4.772e+04	-8.882e+04	1.322e+05	-5917.01
		1	185	-75.00	-449.83	4791.46	-4.992e+04	1.198e+05	-1.125e+04	3670.11
		1	187	-75.00	-3262.02	5987.25	-4.844e+04	1.497e+05	-8.155e+04	6260.08

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	188	-75.00	519.13	-4703.83	-4.239e+04	-1.176e+05	1.298e+04	-3840.64
		1	210	-75.00	520.69	-115.56	-4.633e+04	-2889.03	1.302e+04	-64.29
		1	218	-75.00	167.84	602.59	-4.654e+04	1.506e+04	4196.00	-50.04
		1	219	-75.00	-98.54	-514.96	-4.577e+04	-1.287e+04	-2463.54	-120.49
		1	220	-75.00	-121.41	603.61	-4.638e+04	1.509e+04	-3035.20	-66.35
Nodo					**Fx**	**Fy**	**Fz**	**Mx**	**My**	**Mz**
					-4.325e+04	-3.706e+04	-6.866e+04	-9.266e+05	-1.214e+06	-1.338e+04
					3.948e+04	3.239e+04	-3.133e+04	9.198e+05	9.869e+05	1.139e+04

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
15	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
16	-0.16	-0.18	-0.14	-0.13	-0.12	-0.14	-0.13				
17	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
18	-0.17	-0.18	-0.14	-0.13	-0.12	-0.14	-0.13				
19	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
20	-0.17	-0.18	-0.14	-0.13	-0.12	-0.14	-0.13				
21	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
22	-0.17	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
23	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
24	-0.17	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
25	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
26	-0.17	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
27	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
28	-0.18	-0.19	-0.14	-0.14	-0.13	-0.14	-0.13				
29	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
30	-0.20	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
31	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
32	-0.20	-0.21	-0.16	-0.14	-0.13	-0.14	-0.13				
33	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
34	-0.21	-0.21	-0.16	-0.15	-0.13	-0.14	-0.14				
35	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
36	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
37	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
38	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
39	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
40	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
41	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
42	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
43	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
44	-0.18	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
45	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
46	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
47	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
48	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
49	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
50	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
51	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.14				
52	-0.18	-0.20	-0.15	-0.14	-0.13	-0.15	-0.14				
54	-0.18	-0.20	-0.15	-0.14	-0.13	-0.15	-0.14				
55	-0.18	-0.20	-0.15	-0.14	-0.13	-0.15	-0.13				
56	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
57	-0.17	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
58	-0.17	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
59	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
60	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
61	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
62	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
63	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
64	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
65	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
66	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
67	-0.18	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
68	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
69	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
70	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
71	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.14				
72	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
73	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
74	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.14				
75	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.14				
77	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.14				
78	-0.18	-0.20	-0.15	-0.14	-0.13	-0.14	-0.13				
79	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
80	-0.17	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
81	-0.17	-0.20	-0.15	-0.13	-0.13	-0.14	-0.13				
82	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
83	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
84	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
85	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
86	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
87	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
88	-0.18	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
89	-0.18	-0.19	-0.14	-0.14	-0.13	-0.14	-0.13				
90	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.14				
91	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
92	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
93	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
94	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
95	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
96	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
97	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
98	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
99	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
101	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
102	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
103	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
104	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
105	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
106	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
107	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
108	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
109	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
110	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
111	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
112	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
113	-0.19	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
114	-0.19	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
115	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
116	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
117	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
118	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
119	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
120	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
121	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
123	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
124	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
125	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
126	-0.18	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
127	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
128	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
129	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
130	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
131	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
132	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
133	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
134	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
135	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
136	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
137	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
138	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
139	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
140	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
141	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
142	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
143	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
144	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
146	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
147	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
148	-0.18	-0.19	-0.14	-0.14	-0.13	-0.14	-0.13				
149	-0.18	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
150	-0.18	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
151	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
152	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
153	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
154	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
155	-0.18	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
156	-0.19	-0.20	-0.15	-0.14	-0.14	-0.14	-0.14				
157	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
158	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
159	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
160	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
161	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.15				
162	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.15				
163	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
164	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
165	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
166	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
167	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
169	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
170	-0.18	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
171	-0.18	-0.19	-0.14	-0.14	-0.13	-0.14	-0.14				
172	-0.18	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
173	-0.18	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
174	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
175	-0.17	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
176	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
177	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
178	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
179	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
180	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
181	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
182	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
183	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
184	-0.19	-0.20	-0.15	-0.15	-0.15	-0.15	-0.15				
185	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.15				
186	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
187	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
188	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
189	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
190	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
192	-0.18	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
193	-0.18	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
194	-0.18	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
195	-0.18	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
196	-0.17	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
197	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
198	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
199	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
200	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.14				
201	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
202	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
203	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
204	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
205	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
206	-0.19	-0.19	-0.15	-0.15	-0.14	-0.14	-0.14				
207	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.15				

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
208	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.15				
209	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
210	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
211	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
212	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
213	-0.19	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
215	-0.18	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
216	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
217	-0.18	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
218	-0.18	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
219	-0.17	-0.18	-0.14	-0.13	-0.13	-0.14	-0.13				
220	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
221	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
222	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
223	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
224	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
225	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
226	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
227	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
228	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
229	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
230	-0.19	-0.19	-0.15	-0.15	-0.14	-0.15	-0.15				
231	-0.19	-0.19	-0.15	-0.15	-0.14	-0.15	-0.15				
232	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
233	-0.19	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
234	-0.19	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
235	-0.19	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
236	-0.19	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
238	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
239	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
240	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
241	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
242	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
243	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
244	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
245	-0.18	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
246	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
247	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
248	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
249	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
250	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
251	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
252	-0.19	-0.19	-0.15	-0.15	-0.14	-0.15	-0.14				
253	-0.19	-0.20	-0.15	-0.15	-0.15	-0.15	-0.15				
254	-0.19	-0.19	-0.15	-0.15	-0.14	-0.15	-0.15				
255	-0.19	-0.19	-0.15	-0.15	-0.14	-0.15	-0.14				
256	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
257	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
258	-0.19	-0.19	-0.14	-0.14	-0.14	-0.14	-0.14				
259	-0.19	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
261	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
262	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
263	-0.18	-0.17	-0.14	-0.13	-0.13	-0.14	-0.13				
264	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
265	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
266	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
267	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
268	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
269	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.14				
270	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
271	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
272	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
273	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
274	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
275	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
276	-0.20	-0.20	-0.15	-0.15	-0.15	-0.15	-0.15				
277	-0.19	-0.19	-0.15	-0.15	-0.15	-0.15	-0.15				

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
278	-0.19	-0.19	-0.15	-0.15	-0.14	-0.15	-0.14				
279	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
280	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
281	-0.19	-0.19	-0.14	-0.14	-0.14	-0.15	-0.14				
282	-0.19	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
284	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
285	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
286	-0.18	-0.17	-0.14	-0.13	-0.13	-0.14	-0.13				
287	-0.18	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
288	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
289	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
290	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
291	-0.18	-0.19	-0.15	-0.13	-0.13	-0.14	-0.13				
292	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.14				
293	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
294	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
295	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
296	-0.19	-0.20	-0.15	-0.14	-0.14	-0.15	-0.14				
297	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
298	-0.20	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
299	-0.20	-0.20	-0.15	-0.15	-0.15	-0.15	-0.15				
300	-0.20	-0.20	-0.15	-0.15	-0.15	-0.15	-0.15				
301	-0.20	-0.19	-0.15	-0.15	-0.14	-0.15	-0.15				
302	-0.19	-0.19	-0.15	-0.15	-0.14	-0.15	-0.14				
303	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
304	-0.19	-0.19	-0.14	-0.14	-0.14	-0.15	-0.14				
305	-0.19	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
307	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
308	-0.18	-0.18	-0.14	-0.14	-0.14	-0.14	-0.14				
309	-0.18	-0.17	-0.14	-0.13	-0.13	-0.14	-0.13				
310	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
311	-0.17	-0.17	-0.13	-0.13	-0.13	-0.14	-0.13				
312	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
313	-0.17	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
314	-0.18	-0.19	-0.14	-0.13	-0.13	-0.14	-0.13				
315	-0.18	-0.19	-0.15	-0.14	-0.13	-0.14	-0.13				
316	-0.18	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
317	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
318	-0.19	-0.19	-0.15	-0.14	-0.14	-0.14	-0.14				
319	-0.19	-0.19	-0.15	-0.14	-0.14	-0.15	-0.14				
320	-0.19	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
321	-0.20	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
322	-0.20	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
323	-0.20	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
324	-0.20	-0.20	-0.15	-0.15	-0.14	-0.15	-0.14				
...											
449	-0.17	-0.16	-0.13	-0.13	-0.13	-0.14	-0.13				
Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**							
	-0.22										
	-0.12										

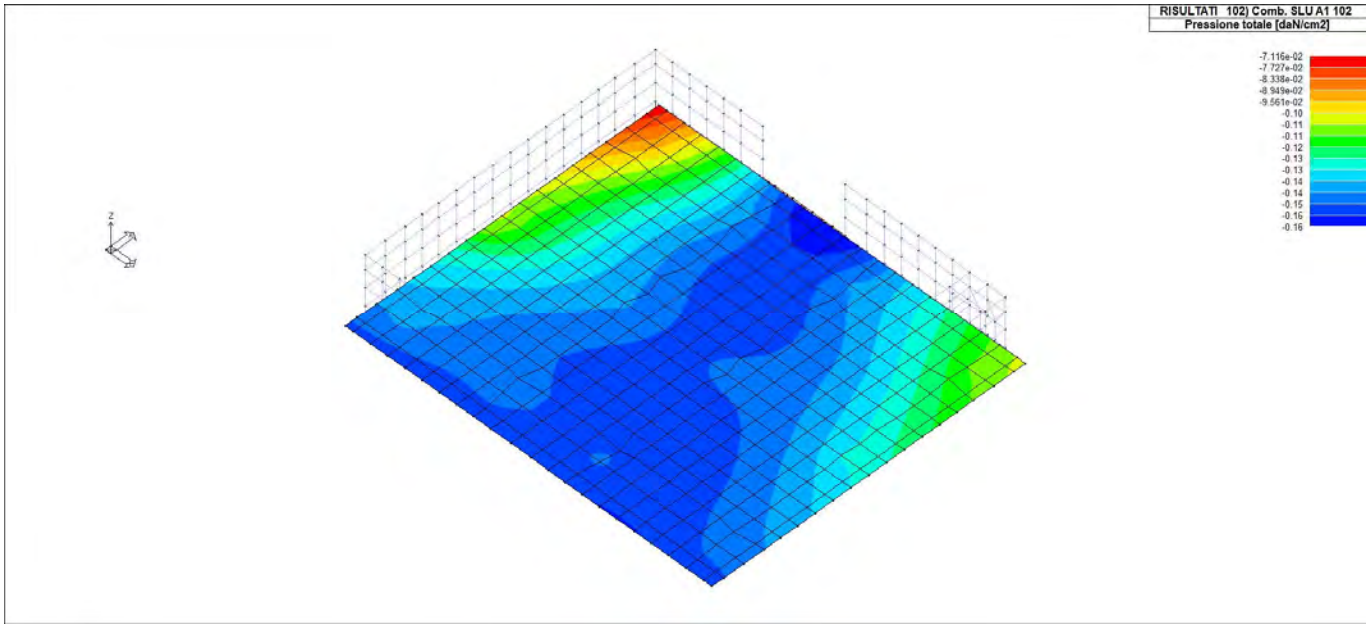


Figura 41 - RIS_PRESSIONI_102_Comb SLU A1 102

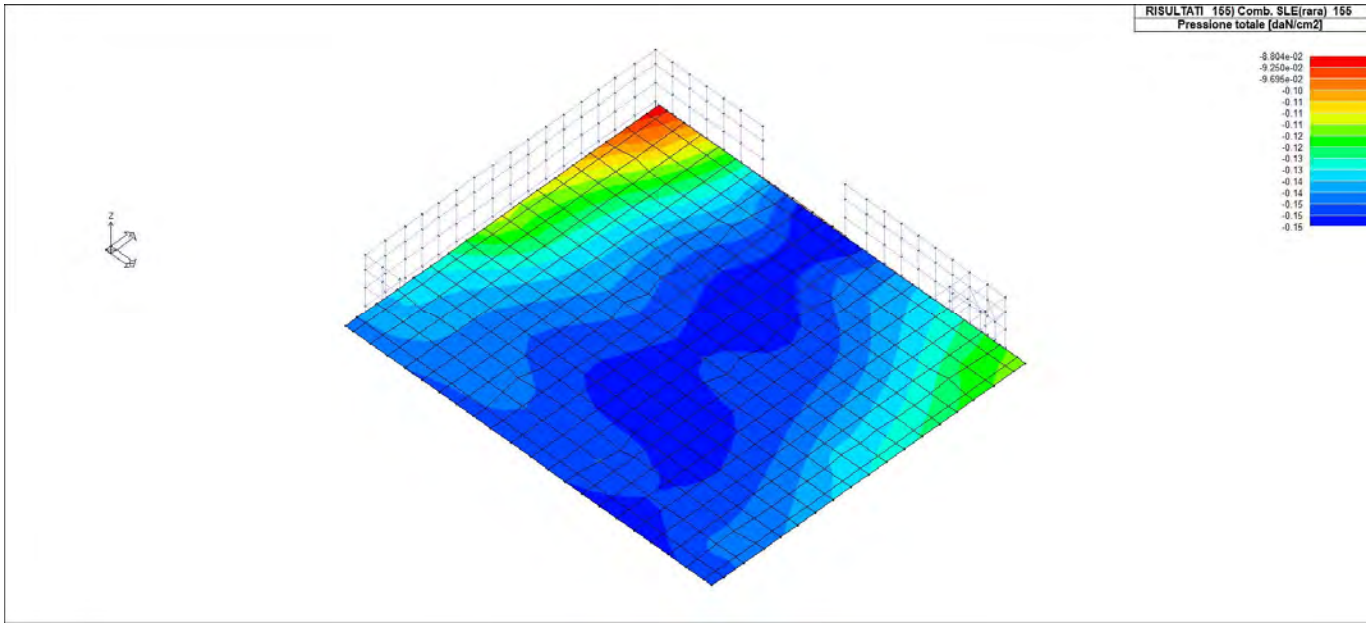


Figura 42 - RIS_PRESSIONI_155_Comb SLErara 155

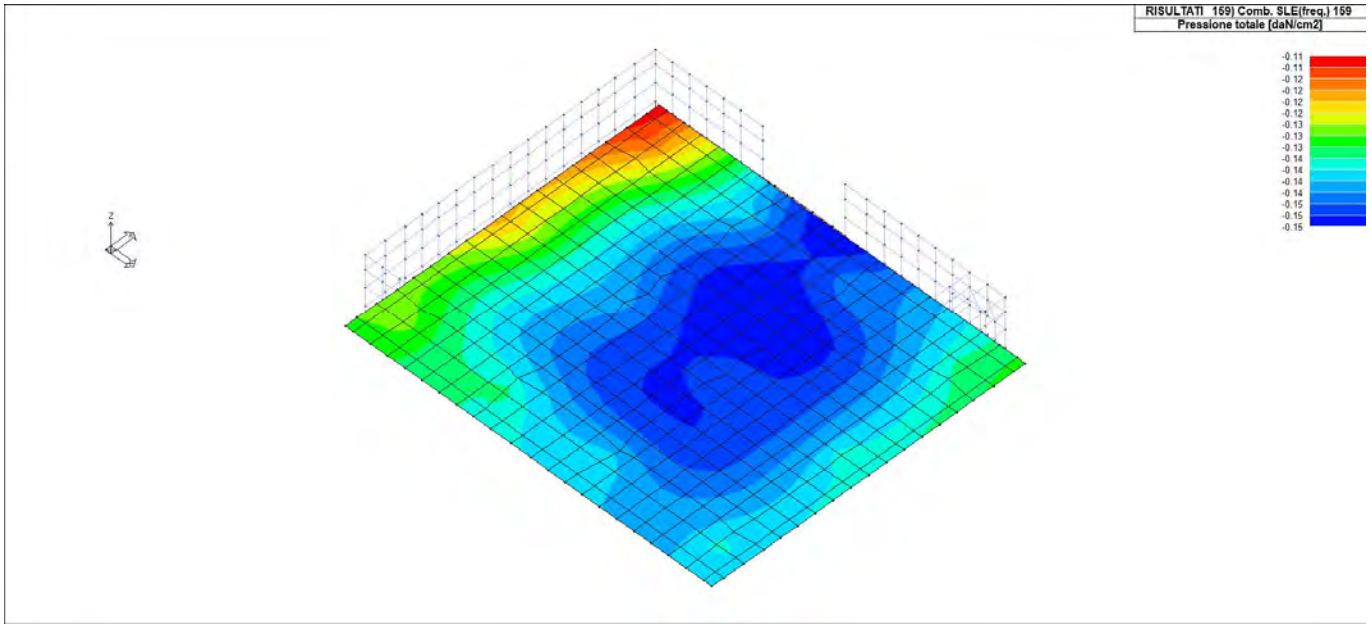


Figura 43 - RIS_PRESSIONI_159_Comb SLEfreq 159

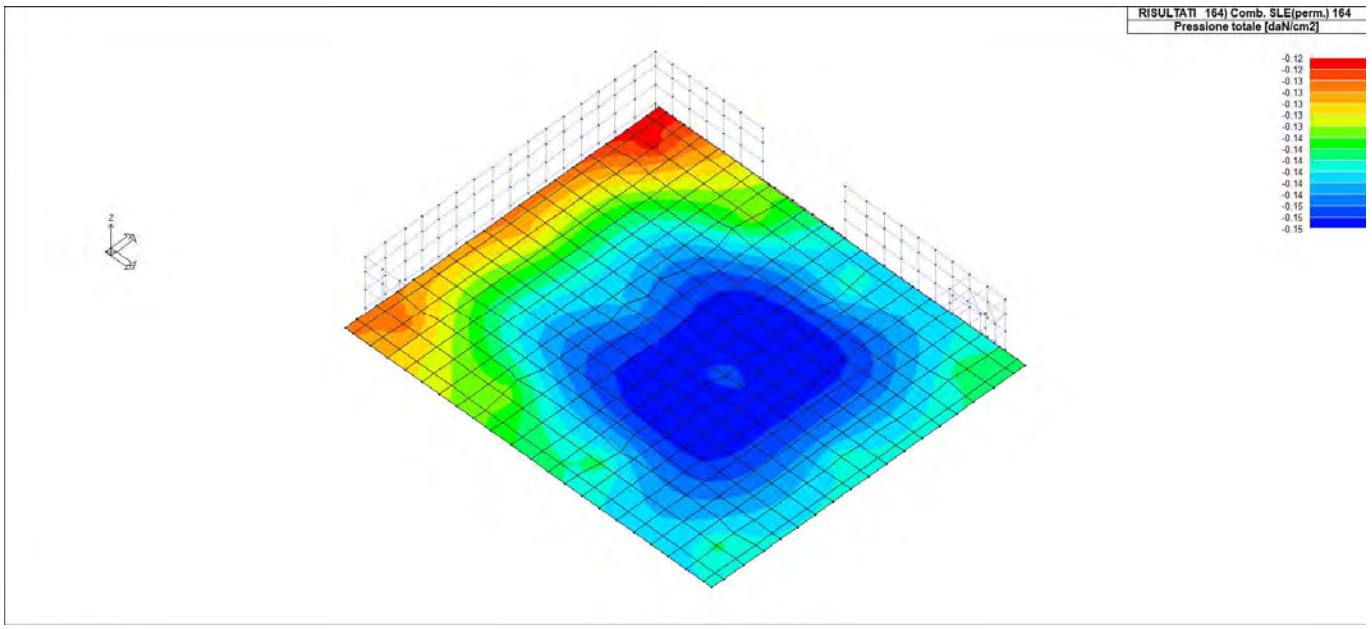


Figura 44 - RIS_PRESSIONI_164_Comb SLEperm 164

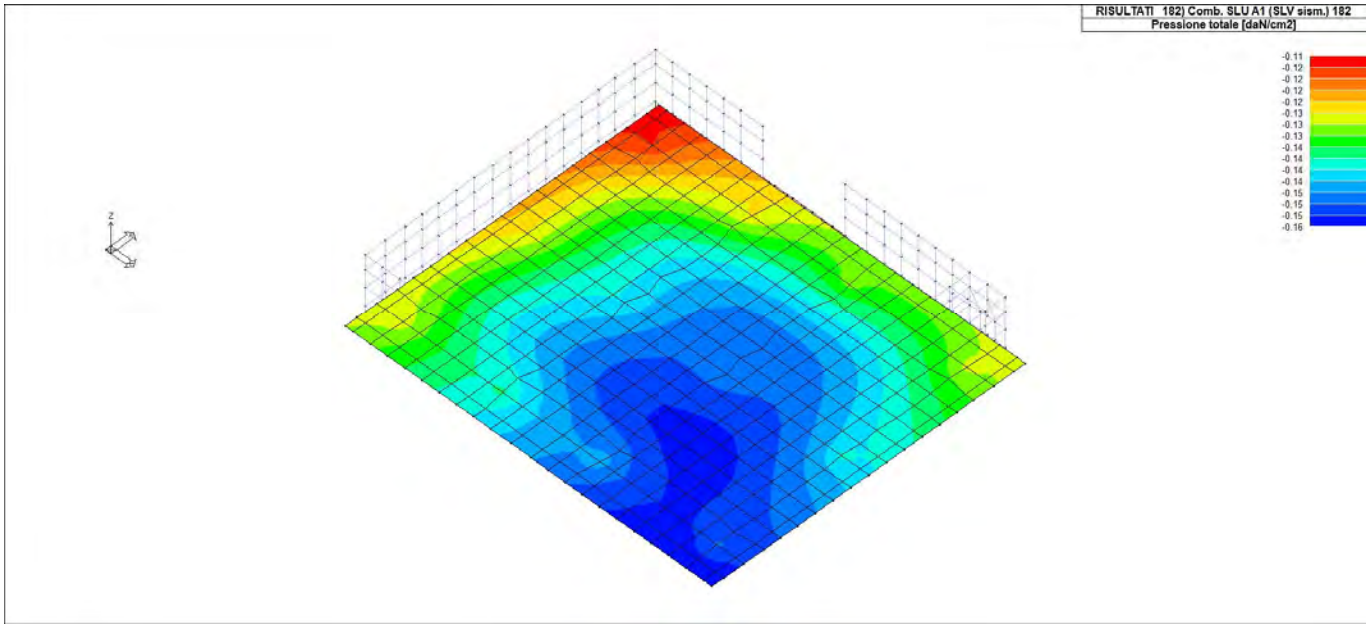


Figura 45- RIS_PRESSIONI_182_Comb SLU A1 SLV sism 182

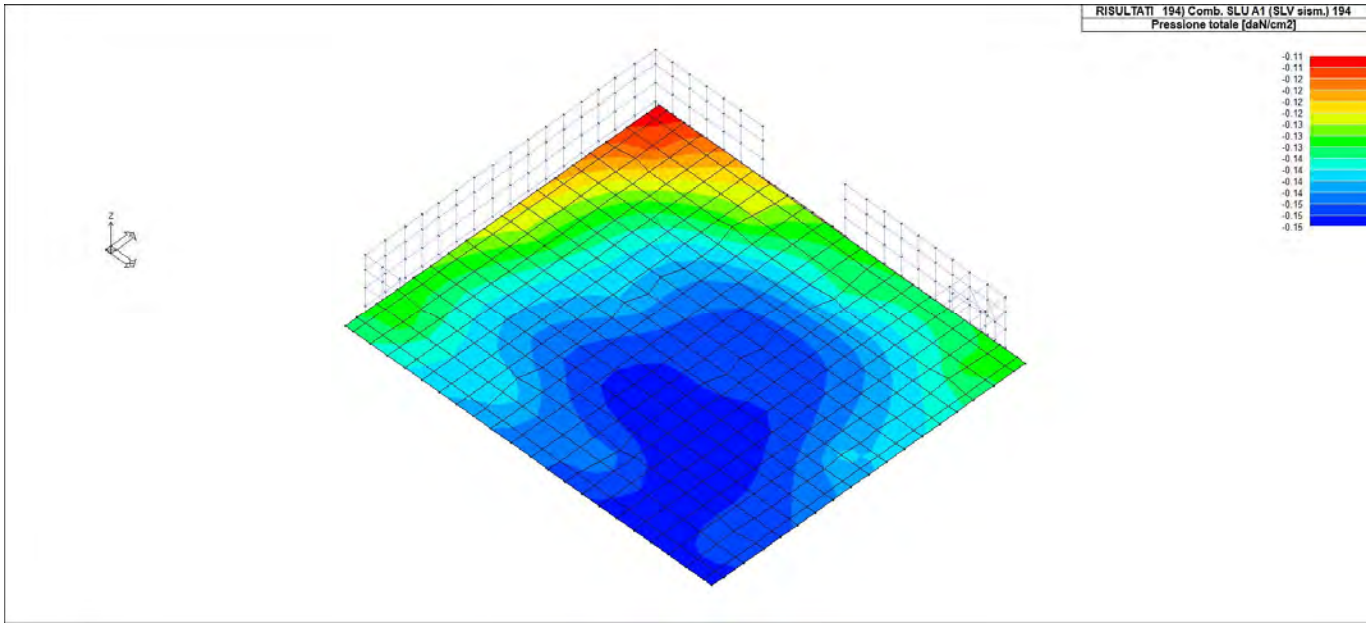


Figura 46 - RIS_PRESSIONI_194_Comb SLU A1 SLV sism 194

17 RISULTATI ELEMENTI TIPO TRAVE

17.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

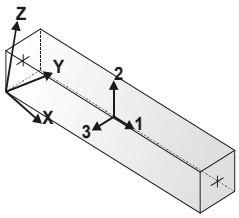
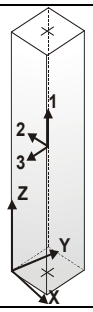
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.

 orientamento elementi 2D non verticali	 orientamento elementi 2D verticali

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1	5	0.0	1.165e+05	-0.01	0.0	0.0	-5.516e+04	4648.90	-3884.48	-183.58	1.165e+05	-1.395e+05
		-1.395e+05	0.0	9.33e-03	0.0	15.0	-5.516e+04	4648.90	-3884.48	-183.58	5.827e+04	-6.973e+04
						30.0	-5.516e+04	4648.90	-3884.48	-183.58	0.0	0.0
1	8	0.0	1.954e+05	-0.02	0.0	0.0	-4.231e+04	7769.89	-6513.20	-130.35	1.954e+05	-2.331e+05
		-2.331e+05	0.0	0.02	0.0	15.0	-4.231e+04	7769.89	-6513.20	-130.35	9.770e+04	-1.165e+05
						30.0	-4.231e+04	7769.89	-6513.20	-130.35	0.0	0.0
1	15	9.715e+05	0.0	0.08	0.0	0.0	-4.781e+04	-3.238e+04	2.764e+04	-2078.47	-8.291e+05	9.715e+05
		0.0	-8.291e+05	-0.07	0.0	15.0	-4.781e+04	-3.238e+04	2.764e+04	-2078.47	-4.145e+05	4.858e+05
						30.0	-4.781e+04	-3.238e+04	2.764e+04	-2078.47	0.0	0.0
1	16	9.714e+05	0.0	0.08	0.0	0.0	-3.528e+04	-3.238e+04	2.763e+04	-2033.54	-8.288e+05	9.714e+05
		0.0	-8.288e+05	-0.07	0.0	15.0	-3.528e+04	-3.238e+04	2.763e+04	-2033.54	-4.144e+05	4.857e+05
						30.0	-3.528e+04	-3.238e+04	2.763e+04	-2033.54	0.0	0.0
1	35	1.110e+06	0.0	0.09	0.0	0.0	-5.084e+04	-3.699e+04	3.054e+04	-8927.26	-9.163e+05	1.110e+06
		0.0	-9.163e+05	-0.07	0.0	15.0	-5.084e+04	-3.699e+04	3.054e+04	-8927.26	-4.582e+05	5.548e+05
						30.0	-5.084e+04	-3.699e+04	3.054e+04	-8927.26	0.0	0.0
1	51	1.983e+05	2.637e+05	0.02	0.0	0.0	-6.054e+04	-6608.82	-8788.38	1.135e+04	2.637e+05	1.983e+05
		0.0	0.0	0.02	0.0	15.0	-6.054e+04	-6608.82	-8788.38	1.135e+04	1.318e+05	9.913e+04
						30.0	-6.054e+04	-6608.82	-8788.38	1.135e+04	0.0	0.0
1	57	1.174e+06	0.0	0.09	0.0	0.0	-5.142e+04	-3.914e+04	2.469e+04	4839.90	-7.408e+05	1.174e+06
		0.0	-7.408e+05	-0.06	0.0	15.0	-5.142e+04	-3.914e+04	2.469e+04	4839.90	-3.704e+05	5.871e+05
						30.0	-5.142e+04	-3.914e+04	2.469e+04	4839.90	0.0	0.0
1	70	0.0	3.253e+05	-0.02	0.0	0.0	-3.962e+04	1.034e+04	-1.084e+04	-7451.64	3.253e+05	-3.102e+05
		-3.102e+05	0.0	0.03	0.0	15.0	-3.962e+04	1.034e+04	-1.084e+04	-7451.64	1.626e+05	-1.551e+05
						30.0	-3.962e+04	1.034e+04	-1.084e+04	-7451.64	0.0	0.0
1	96	0.0	4.816e+05	-7.24e-04	0.0	0.0	-3.581e+04	301.23	-1.605e+04	1.220e+04	4.816e+05	-9036.81
		-9036.81	0.0	0.04	0.0	15.0	-3.581e+04	301.23	-1.605e+04	1.220e+04	2.408e+05	-4518.41
						30.0	-3.581e+04	301.23	-1.605e+04	1.220e+04	0.0	0.0
1	102	1.050e+06	0.0	0.08	0.0	0.0	-3.156e+04	-3.499e+04	2.033e+04	5367.55	-6.099e+05	1.050e+06
		0.0	-6.099e+05	-0.05	0.0	15.0	-3.156e+04	-3.499e+04	2.033e+04	5367.55	-3.050e+05	5.249e+05
						30.0	-3.156e+04	-3.499e+04	2.033e+04	5367.55	0.0	0.0
1	122	7.398e+05	0.0	0.06	0.0	0.0	-3.946e+04	-2.466e+04	2.037e+04	-5971.48	-6.110e+05	7.398e+05
		0.0	-6.110e+05	-0.05	0.0	15.0	-3.946e+04	-2.466e+04	2.037e+04	-5971.48	-3.055e+05	3.699e+05
						30.0	-3.946e+04	-2.466e+04	2.037e+04	-5971.48	0.0	0.0
1	130	1.322e+05	1.756e+05	0.01	0.0	0.0	-4.593e+04	-4408.09	-5854.52	7545.17	1.756e+05	1.322e+05
		0.0	0.0	0.01	0.0	15.0	-4.593e+04	-4408.09	-5854.52	7545.17	8.782e+04	6.612e+04
						30.0	-4.593e+04	-4408.09	-5854.52	7545.17	0.0	0.0
1	133	7.829e+05	0.0	0.06	0.0	0.0	-3.985e+04	-2.610e+04	1.647e+04	3206.63	-4.940e+05	7.829e+05
		0.0	-4.940e+05	-0.04	0.0	15.0	-3.985e+04	-2.610e+04	1.647e+04	3206.63	-2.470e+05	3.914e+05
						30.0	-3.985e+04	-2.610e+04	1.647e+04	3206.63	0.0	0.0
1	139	0.0	2.165e+05	-0.02	0.0	0.0	-4.034e+04	6888.06	-7216.84	-5017.69	2.165e+05	-2.066e+05
		-2.066e+05	0.0	0.02	0.0	15.0	-4.034e+04	6888.06	-7216.84	-5017.69	1.083e+05	-1.033e+05
						30.0	-4.034e+04	6888.06	-7216.84	-5017.69	0.0	0.0
1	152	0.0	3.208e+05	-4.69e-04	0.0	0.0	-3.780e+04	195.28	-1.069e+04	8081.52	3.208e+05	-5858.43
		-5858.43	0.0	0.03	0.0	15.0	-3.780e+04	195.28	-1.069e+04	8081.52	1.604e+05	-2929.21
						30.0	-3.780e+04	195.28	-1.069e+04	8081.52	0.0	0.0
1	155	7.000e+05	0.0	0.06	0.0	0.0	-3.497e+04	-2.333e+04	1.356e+04	3528.44	-4.069e+05	7.000e+05
		0.0	-4.069e+05	-0.03	0.0	15.0	-3.497e+04	-2.333e+04	1.356e+04	3528.44	-2.035e+05	3.500e+05
						30.0	-3.497e+04	-2.333e+04	1.356e+04	3528.44	0.0	0.0
1	158	0.0	6.448e+04	-6.20e-03	0.0	0.0	-4.175e+04	2579.40	-2149.24	-143.02	6.448e+04	-7.738e+04
		-7.738e+04	0.0	5.16e-03	0.0	15.0	-4.175e+04	2579.40	-2149.24	-143.02	3.224e+04	-3.869e+04
						30.0	-4.175e+04	2579.40	-2149.24	-143.02	0.0	0.0
1	159	3.241e+05	0.0	0.03	0.0	0.0	-3.961e+04	-1.080e+04	9230.70	-777.70	-2.769e+05	3.241e+05
		0.0	-2.769e+05	-0.02	0.0	15.0	-3.961e+04	-1.080e+04	9230.70	-777.70	-1.385e+05	1.621e+05
						30.0	-3.961e+04	-1.080e+04	9230.70	-777.70	0.0	0.0
1	161	4.554e+04	1.862e+04	3.65e-03	0.0	0.0	-4.258e+04	-1517.86	-620.83	1387.64	1.862e+04	4.554e+04
		0.0	0.0	1.49e-03	0.0	15.0	-4.258e+04	-1517.86	-620.83	1387.64	9312.43	2.277e+04
						30.0	-4.258e+04	-1517.86	-620.83	1387.64	0.0	0.0
1	164	498.34	0.0	3.97e-05	0.0	0.0	-4.177e+04	-16.61	32.97	-149.78	-988.98	498.34
		0.0	-988.98	-7.92e-05	0.0	15.0	-4.177e+04	-16.61	32.97	-149.78	-494.49	249.17
						30.0	-4.177e+04	-16.61	32.97	-149.78	0.0	0.0
1	177	0.0	0.0	-0.01	0.0	0.0	-4.019e+04	4872.20	3354.17	-6045.18	-1.006e+05	-1.462e+05
		-1.462e+05	-1.006e+05	-8.06e-03	0.0	15.0	-4.019e+04	4872.20	3354.17	-6045.18	-5.031e+04	-7.308e+04

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
						30.0	-4.019e+04	4872.20	3354.17	-6045.18	0.0	0.0
1	180	1.472e+05	9.865e+04	0.01	0.0	0.0	-4.336e+04	-4905.42	-3288.24	5745.62	9.865e+04	1.472e+05
		0.0	0.0	7.90e-03	0.0	15.0	-4.336e+04	-4905.42	-3288.24	5745.62	4.932e+04	7.358e+04
						30.0	-4.336e+04	-4905.42	-3288.24	5745.62	0.0	0.0
1	193	0.0	0.0	-7.18e-03	0.0	0.0	-4.347e+04	2987.28	5351.79	-6272.50	-1.606e+05	-8.962e+04
		-8.962e+04	-1.606e+05	-0.01	0.0	15.0	-4.347e+04	2987.28	5351.79	-6272.50	-8.028e+04	-4.481e+04
						30.0	-4.347e+04	2987.28	5351.79	-6272.50	0.0	0.0
1	194	1.174e+04	1.244e+05	9.40e-04	0.0	0.0	-3.870e+04	-391.28	-4148.13	3296.96	1.244e+05	1.174e+04
		0.0	0.0	9.97e-03	0.0	15.0	-3.870e+04	-391.28	-4148.13	3296.96	6.222e+04	5869.24
						30.0	-3.870e+04	-391.28	-4148.13	3296.96	0.0	0.0
1	195	0.0	0.0	-8.61e-04	0.0	0.0	-4.485e+04	358.06	4214.06	-3596.51	-1.264e+05	-1.074e+04
		-1.074e+04	-1.264e+05	-0.01	0.0	15.0	-4.485e+04	358.06	4214.06	-3596.51	-6.321e+04	-5370.90
						30.0	-4.485e+04	358.06	4214.06	-3596.51	0.0	0.0
1	196	9.061e+04	1.586e+05	7.26e-03	0.0	0.0	-4.008e+04	-3020.50	-5285.86	5972.94	1.586e+05	9.061e+04
		0.0	0.0	0.01	0.0	15.0	-4.008e+04	-3020.50	-5285.86	5972.94	7.929e+04	4.531e+04
						30.0	-4.008e+04	-3020.50	-5285.86	5972.94	0.0	0.0
1	201	1.449e+04	0.0	1.16e-03	0.0	0.0	-4.220e+04	-482.91	171.91	-173.38	-5157.25	1.449e+04
		0.0	-5157.25	-4.13e-04	0.0	15.0	-4.220e+04	-482.91	171.91	-173.38	-2578.63	7243.64
						30.0	-4.220e+04	-482.91	171.91	-173.38	0.0	0.0
1	204	0.0	3179.30	-1.08e-03	0.0	0.0	-4.134e+04	449.69	-105.98	-126.17	3179.30	-1.349e+04
		-1.349e+04	0.0	2.55e-04	0.0	15.0	-4.134e+04	449.69	-105.98	-126.17	1589.65	-6745.30
						30.0	-4.134e+04	449.69	-105.98	-126.17	0.0	0.0
1	210	0.0	3125.83	-1.08e-03	0.0	0.0	-4.149e+04	449.70	-104.19	-151.21	3125.83	-1.349e+04
		-1.349e+04	0.0	2.50e-04	0.0	15.0	-4.149e+04	449.70	-104.19	-151.21	1562.91	-6745.48
						30.0	-4.149e+04	449.70	-104.19	-151.21	0.0	0.0
1	211	1.449e+04	0.0	1.16e-03	0.0	0.0	-4.205e+04	-482.92	170.13	-148.35	-5103.78	1.449e+04
		0.0	-5103.78	-4.09e-04	0.0	15.0	-4.205e+04	-482.92	170.13	-148.35	-2551.89	7243.81
						30.0	-4.205e+04	-482.92	170.13	-148.35	0.0	0.0
1	218	0.0	0.0	-2.94e-04	0.0	0.0	-4.196e+04	122.11	531.56	-137.92	-1.595e+04	-3663.34
		-3663.34	-1.595e+04	-1.28e-03	0.0	15.0	-4.196e+04	122.11	531.56	-137.92	-7973.45	-1831.67
						30.0	-4.196e+04	122.11	531.56	-137.92	0.0	0.0
1	219	4660.01	1.397e+04	3.73e-04	0.0	0.0	-4.159e+04	-155.33	-465.63	-161.64	1.397e+04	4660.01
		0.0	0.0	1.12e-03	0.0	15.0	-4.159e+04	-155.33	-465.63	-161.64	6984.47	2330.01
						30.0	-4.159e+04	-155.33	-465.63	-161.64	0.0	0.0
2	4	757.08	695.46	5.79e-05	0.0	0.0	-4.275e+04	-30.28	-27.82	75.60	695.46	757.08
		0.0	0.0	5.34e-05	0.0	12.5	-4.275e+04	-30.28	-27.82	75.60	347.73	378.54
						25.0	-4.275e+04	-30.28	-27.82	75.60	0.0	0.0
2	8	0.0	0.0	-0.02	0.0	0.0	-4.349e+04	8191.71	6844.26	47.43	-1.711e+05	-2.048e+05
		-2.048e+05	-1.711e+05	-0.01	0.0	12.5	-4.349e+04	8191.71	6844.26	47.43	-8.555e+04	-1.024e+05
						25.0	-4.349e+04	8191.71	6844.26	47.43	0.0	0.0
2	15	8.681e+05	7.176e+05	0.07	0.0	0.0	-5.768e+04	-3.472e+04	-2.871e+04	-547.93	7.176e+05	8.681e+05
		0.0	0.0	0.06	0.0	12.5	-5.768e+04	-3.472e+04	-2.871e+04	-547.93	3.588e+05	4.340e+05
						25.0	-5.768e+04	-3.472e+04	-2.871e+04	-547.93	0.0	0.0
2	26	0.0	0.0	-2.03e-03	0.0	0.0	-4.748e+04	1059.63	9920.26	-6823.99	-2.480e+05	-2.649e+04
		-2.649e+04	-2.480e+05	-0.02	0.0	12.5	-4.748e+04	1059.63	9920.26	-6823.99	-1.240e+05	-1.325e+04
						25.0	-4.748e+04	1059.63	9920.26	-6823.99	0.0	0.0
2	35	1.046e+06	6.407e+05	0.08	0.0	0.0	-6.167e+04	-4.186e+04	-2.563e+04	-7419.36	6.407e+05	1.046e+06
		0.0	0.0	0.05	0.0	12.5	-6.167e+04	-4.186e+04	-2.563e+04	-7419.36	3.204e+05	5.232e+05
						25.0	-6.167e+04	-4.186e+04	-2.563e+04	-7419.36	0.0	0.0
2	37	8.184e+05	3.028e+05	0.06	0.0	0.0	-6.349e+04	-3.274e+04	-1.211e+04	-1.174e+04	3.028e+05	8.184e+05
		0.0	0.0	0.02	0.0	12.5	-6.349e+04	-3.274e+04	-1.211e+04	-1.174e+04	1.514e+05	4.092e+05
						25.0	-6.349e+04	-3.274e+04	-1.211e+04	-1.174e+04	0.0	0.0
2	64	6.808e+04	1.149e+05	5.22e-03	0.0	0.0	-4.550e+04	-2723.17	-4597.50	-7260.23	1.149e+05	6.808e+04
		0.0	0.0	8.82e-03	0.0	12.5	-4.550e+04	-2723.17	-4597.50	-7260.23	5.747e+04	3.404e+04
						25.0	-4.550e+04	-2723.17	-4597.50	-7260.23	0.0	0.0
2	92	0.0	2.149e+04	-0.02	0.0	0.0	-4.718e+04	1.092e+04	-859.50	7445.64	2.149e+04	-2.729e+05
		-2.729e+05	0.0	1.65e-03	0.0	12.5	-4.718e+04	1.092e+04	-859.50	7445.64	1.074e+04	-1.365e+05
						25.0	-4.718e+04	1.092e+04	-859.50	7445.64	0.0	0.0
2	101	8.000e+05	9.102e+05	0.06	0.0	0.0	-6.137e+04	-3.200e+04	-3.641e+04	6850.28	9.102e+05	8.000e+05
		0.0	0.0	0.07	0.0	12.5	-6.137e+04	-3.200e+04	-3.641e+04	6850.28	4.551e+05	4.000e+05
						25.0	-6.137e+04	-3.200e+04	-3.641e+04	6850.28	0.0	0.0
2	106	757.08	695.46	5.79e-05	0.0	0.0	-4.275e+04	-30.28	-27.82	75.60	695.46	757.08

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		0.0	0.0	5.34e-05	0.0	12.5	-4.275e+04	-30.28	-27.82	75.60	347.73	378.54
						25.0	-4.275e+04	-30.28	-27.82	75.60	0.0	0.0
2	117	0.0	0.0	-1.34e-03	0.0	0.0	-4.590e+04	696.32	6604.23	-4524.13	-1.651e+05	-1.741e+04
		-1.741e+04	-1.651e+05	-0.01	0.0	12.5	-4.590e+04	696.32	6604.23	-4524.13	-8.255e+04	-8704.04
						25.0	-4.590e+04	696.32	6604.23	-4524.13	0.0	0.0
2	122	6.977e+05	4.272e+05	0.05	0.0	0.0	-4.681e+04	-2.791e+04	-1.709e+04	-4936.16	4.272e+05	6.977e+05
		0.0	0.0	0.03	0.0	12.5	-4.681e+04	-2.791e+04	-1.709e+04	-4936.16	2.136e+05	3.488e+05
						25.0	-4.681e+04	-2.791e+04	-1.709e+04	-4936.16	0.0	0.0
2	123	5.457e+05	2.019e+05	0.04	0.0	0.0	-4.802e+04	-2.183e+04	-8077.73	-7817.80	2.019e+05	5.457e+05
		0.0	0.0	0.02	0.0	12.5	-4.802e+04	-2.183e+04	-8077.73	-7817.80	1.010e+05	2.729e+05
						25.0	-4.802e+04	-2.183e+04	-8077.73	-7817.80	0.0	0.0
2	150	0.0	1.456e+04	-0.01	0.0	0.0	-4.570e+04	7267.40	-582.27	4988.96	1.456e+04	-1.817e+05
		-1.817e+05	0.0	1.12e-03	0.0	12.5	-4.570e+04	7267.40	-582.27	4988.96	7278.39	-9.084e+04
						25.0	-4.570e+04	7267.40	-582.27	4988.96	0.0	0.0
2	155	5.334e+05	6.069e+05	0.04	0.0	0.0	-4.661e+04	-2.134e+04	-2.428e+04	4576.93	6.069e+05	5.334e+05
		0.0	0.0	0.05	0.0	12.5	-4.661e+04	-2.134e+04	-2.428e+04	4576.93	3.035e+05	2.667e+05
						25.0	-4.661e+04	-2.134e+04	-2.428e+04	4576.93	0.0	0.0
2	157	757.08	695.46	5.79e-05	0.0	0.0	-4.275e+04	-30.28	-27.82	75.60	695.46	757.08
		0.0	0.0	5.34e-05	0.0	12.5	-4.275e+04	-30.28	-27.82	75.60	347.73	378.54
						25.0	-4.275e+04	-30.28	-27.82	75.60	0.0	0.0
2	158	0.0	0.0	-5.20e-03	0.0	0.0	-4.277e+04	2711.20	2262.88	67.65	-5.657e+04	-6.778e+04
		-6.778e+04	-5.657e+04	-4.34e-03	0.0	12.5	-4.277e+04	2711.20	2262.88	67.65	-2.829e+04	-3.389e+04
						25.0	-4.277e+04	2711.20	2262.88	67.65	0.0	0.0
2	159	2.898e+05	2.396e+05	0.02	0.0	0.0	-4.345e+04	-1.159e+04	-9584.23	-139.80	2.396e+05	2.898e+05
		0.0	0.0	0.02	0.0	12.5	-4.345e+04	-1.159e+04	-9584.23	-139.80	1.198e+05	1.449e+05
						25.0	-4.345e+04	-1.159e+04	-9584.23	-139.80	0.0	0.0
2	160	4.038e+04	0.0	3.10e-03	0.0	0.0	-4.364e+04	-1615.19	655.74	-1451.38	-1.639e+04	4.038e+04
		0.0	-1.639e+04	-1.26e-03	0.0	12.5	-4.364e+04	-1615.19	655.74	-1451.38	-8196.73	2.019e+04
						25.0	-4.364e+04	-1615.19	655.74	-1451.38	0.0	0.0
2	164	757.08	695.46	5.79e-05	0.0	0.0	-4.275e+04	-30.28	-27.82	75.60	695.46	757.08
		0.0	0.0	5.34e-05	0.0	12.5	-4.275e+04	-30.28	-27.82	75.60	347.73	378.54
						25.0	-4.275e+04	-30.28	-27.82	75.60	0.0	0.0
2	169	0.0	1.264e+04	-7.80e-03	0.0	0.0	-3.950e+04	4066.88	-505.56	3070.57	1.264e+04	-1.017e+05
		-1.017e+05	0.0	9.70e-04	0.0	12.5	-3.950e+04	4066.88	-505.56	3070.57	6319.54	-5.084e+04
						25.0	-3.950e+04	4066.88	-505.56	3070.57	0.0	0.0
2	170	0.0	8.787e+04	-9.83e-03	0.0	0.0	-4.092e+04	5123.71	-3514.89	5940.10	8.787e+04	-1.281e+05
		-1.281e+05	0.0	6.74e-03	0.0	12.5	-4.092e+04	5123.71	-3514.89	5940.10	4.394e+04	-6.405e+04
						25.0	-4.092e+04	5123.71	-3514.89	5940.10	0.0	0.0
2	171	1.296e+05	0.0	9.95e-03	0.0	0.0	-4.459e+04	-5184.27	3459.25	-5788.90	-8.648e+04	1.296e+05
		0.0	-8.648e+04	-6.64e-03	0.0	12.5	-4.459e+04	-5184.27	3459.25	-5788.90	-4.324e+04	6.480e+04
						25.0	-4.459e+04	-5184.27	3459.25	-5788.90	0.0	0.0
2	172	1.032e+05	0.0	7.92e-03	0.0	0.0	-4.601e+04	-4127.45	449.93	-2919.36	-1.125e+04	1.032e+05
		0.0	-1.125e+04	-8.63e-04	0.0	12.5	-4.601e+04	-4127.45	449.93	-2919.36	-5624.08	5.159e+04
						25.0	-4.601e+04	-4127.45	449.93	-2919.36	0.0	0.0
2	193	2.148e+04	0.0	1.65e-03	0.0	0.0	-3.973e+04	-859.37	5587.60	-6042.10	-1.397e+05	2.148e+04
		0.0	-1.397e+05	-0.01	0.0	12.5	-3.973e+04	-859.37	5587.60	-6042.10	-6.984e+04	1.074e+04
						25.0	-3.973e+04	-859.37	5587.60	-6042.10	0.0	0.0
2	196	0.0	1.411e+05	-1.53e-03	0.0	0.0	-4.578e+04	798.80	-5643.24	6193.30	1.411e+05	-1.997e+04
		-1.997e+04	0.0	0.01	0.0	12.5	-4.578e+04	798.80	-5643.24	6193.30	7.054e+04	-9984.99
						25.0	-4.578e+04	798.80	-5643.24	6193.30	0.0	0.0
2	206	0.0	0.0	-8.85e-04	0.0	0.0	-4.240e+04	461.19	130.31	82.09	-3257.66	-1.153e+04
		-1.153e+04	-3257.66	-2.50e-04	0.0	12.5	-4.240e+04	461.19	130.31	82.09	-1628.83	-5764.93
						25.0	-4.240e+04	461.19	130.31	82.09	0.0	0.0
2	207	1.304e+04	4648.57	1.00e-03	0.0	0.0	-4.311e+04	-521.76	-185.94	69.12	4648.57	1.304e+04
		0.0	0.0	3.57e-04	0.0	12.5	-4.311e+04	-521.76	-185.94	69.12	2324.29	6522.01
						25.0	-4.311e+04	-521.76	-185.94	69.12	0.0	0.0
2	213	4513.67	1.383e+04	3.46e-04	0.0	0.0	-4.315e+04	-180.55	-553.04	32.02	1.383e+04	4513.67
		0.0	0.0	1.06e-03	0.0	12.5	-4.315e+04	-180.55	-553.04	32.02	6912.95	2256.84
						25.0	-4.315e+04	-180.55	-553.04	32.02	0.0	0.0
2	216	0.0	0.0	-2.30e-04	0.0	0.0	-4.236e+04	119.98	497.40	119.18	-1.243e+04	-2999.52
		-2999.52	-1.243e+04	-9.54e-04	0.0	12.5	-4.236e+04	119.98	497.40	119.18	-6217.50	-1499.76
						25.0	-4.236e+04	119.98	497.40	119.18	0.0	0.0
3	4	430.19	13.41	3.30e-05	0.0	0.0	-4.419e+04	-17.21	-0.54	-14.57	13.41	430.19

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		0.0	0.0	1.03e-06	0.0	12.5	-4.419e+04	-17.21	-0.54	-14.57	6.70	215.10
						25.0	-4.419e+04	-17.21	-0.54	-14.57	0.0	0.0
3	8	0.0	0.0	-5.20e-03	0.0	0.0	-4.509e+04	2712.27	6872.01	-3.65	-1.718e+05	-6.781e+04
		-6.781e+04	-1.718e+05	-0.01	0.0	12.5	-4.509e+04	2712.27	6872.01	-3.65	-8.590e+04	-3.390e+04
						25.0	-4.509e+04	2712.27	6872.01	-3.65	0.0	0.0
3	11	1.738e+05	4.335e+05	0.01	0.0	0.0	-5.891e+04	-6950.00	-1.734e+04	-303.35	4.335e+05	1.738e+05
		0.0	0.0	0.03	0.0	12.5	-5.891e+04	-6950.00	-1.734e+04	-303.35	2.167e+05	8.688e+04
						25.0	-5.891e+04	-6950.00	-1.734e+04	-303.35	0.0	0.0
3	15	2.892e+05	7.224e+05	0.02	0.0	0.0	-5.870e+04	-1.157e+04	-2.890e+04	-487.44	7.224e+05	2.892e+05
		0.0	0.0	0.06	0.0	12.5	-5.870e+04	-1.157e+04	-2.890e+04	-487.44	3.612e+05	1.446e+05
						25.0	-5.870e+04	-1.157e+04	-2.890e+04	-487.44	0.0	0.0
3	26	1.107e+05	0.0	8.50e-03	0.0	0.0	-4.641e+04	-4429.65	7924.34	-6929.60	-1.981e+05	1.107e+05
		0.0	-1.981e+05	-0.02	0.0	12.5	-4.641e+04	-4429.65	7924.34	-6929.60	-9.905e+04	5.537e+04
						25.0	-4.641e+04	-4429.65	7924.34	-6929.60	0.0	0.0
3	37	4.713e+05	3.896e+05	0.04	0.0	0.0	-6.041e+04	-1.885e+04	-1.558e+04	-1.184e+04	3.896e+05	4.713e+05
		0.0	0.0	0.03	0.0	12.5	-6.041e+04	-1.885e+04	-1.558e+04	-1.184e+04	1.948e+05	2.356e+05
						25.0	-6.041e+04	-1.885e+04	-1.558e+04	-1.184e+04	0.0	0.0
3	42	1.224e+05	2.664e+04	9.39e-03	0.0	0.0	-4.535e+04	-4895.43	-1065.62	6908.67	2.664e+04	1.224e+05
		0.0	0.0	2.04e-03	0.0	12.5	-4.535e+04	-4895.43	-1065.62	6908.67	1.332e+04	6.119e+04
						25.0	-4.535e+04	-4895.43	-1065.62	6908.67	0.0	0.0
3	96	0.0	1.515e+05	-0.01	0.0	0.0	-5.023e+04	6165.88	-6059.01	1.243e+04	1.515e+05	-1.541e+05
		-1.541e+05	0.0	0.01	0.0	12.5	-5.023e+04	6165.88	-6059.01	1.243e+04	7.574e+04	-7.707e+04
						25.0	-5.023e+04	6165.88	-6059.01	1.243e+04	0.0	0.0
3	101	2.210e+05	8.751e+05	0.02	0.0	0.0	-6.207e+04	-8838.93	-3.501e+04	6972.95	8.751e+05	2.210e+05
		0.0	0.0	0.07	0.0	12.5	-6.207e+04	-8838.93	-3.501e+04	6972.95	4.376e+05	1.105e+05
						25.0	-6.207e+04	-8838.93	-3.501e+04	6972.95	0.0	0.0
3	103	6.008e+04	6.880e+05	4.61e-03	0.0	0.0	-6.382e+04	-2403.39	-2.752e+04	1.213e+04	6.880e+05	6.008e+04
		0.0	0.0	0.05	0.0	12.5	-6.382e+04	-2403.39	-2.752e+04	1.213e+04	3.440e+05	3.004e+04
						25.0	-6.382e+04	-2403.39	-2.752e+04	1.213e+04	0.0	0.0
3	106	430.19	13.41	3.30e-05	0.0	0.0	-4.419e+04	-17.21	-0.54	-14.57	13.41	430.19
		0.0	0.0	1.03e-06	0.0	12.5	-4.419e+04	-17.21	-0.54	-14.57	6.70	215.10
						25.0	-4.419e+04	-17.21	-0.54	-14.57	0.0	0.0
3	117	7.397e+04	0.0	5.68e-03	0.0	0.0	-4.567e+04	-2958.83	5282.72	-4624.59	-1.321e+05	7.397e+04
		0.0	-1.321e+05	-0.01	0.0	12.5	-4.567e+04	-2958.83	5282.72	-4624.59	-6.603e+04	3.699e+04
						25.0	-4.567e+04	-2958.83	5282.72	-4624.59	0.0	0.0
3	123	3.143e+05	2.597e+05	0.02	0.0	0.0	-4.616e+04	-1.257e+04	-1.039e+04	-7897.47	2.597e+05	3.143e+05
		0.0	0.0	0.02	0.0	12.5	-4.616e+04	-1.257e+04	-1.039e+04	-7897.47	1.299e+05	1.571e+05
						25.0	-4.616e+04	-1.257e+04	-1.039e+04	-7897.47	0.0	0.0
3	152	0.0	1.010e+05	-7.88e-03	0.0	0.0	-4.822e+04	4104.85	-4039.52	8279.45	1.010e+05	-1.026e+05
		-1.026e+05	0.0	7.75e-03	0.0	12.5	-4.822e+04	4104.85	-4039.52	8279.45	5.049e+04	-5.131e+04
						25.0	-4.822e+04	4104.85	-4039.52	8279.45	0.0	0.0
3	155	1.474e+05	5.834e+05	0.01	0.0	0.0	-4.727e+04	-5894.92	-2.334e+04	4646.69	5.834e+05	1.474e+05
		0.0	0.0	0.04	0.0	12.5	-4.727e+04	-5894.92	-2.334e+04	4646.69	2.917e+05	7.369e+04
						25.0	-4.727e+04	-5894.92	-2.334e+04	4646.69	0.0	0.0
3	156	4.011e+04	4.587e+05	3.08e-03	0.0	0.0	-4.844e+04	-1604.56	-1.835e+04	8087.35	4.587e+05	4.011e+04
		0.0	0.0	0.04	0.0	12.5	-4.844e+04	-1604.56	-1.835e+04	8087.35	2.293e+05	2.006e+04
						25.0	-4.844e+04	-1604.56	-1.835e+04	8087.35	0.0	0.0
3	157	430.19	13.41	3.30e-05	0.0	0.0	-4.419e+04	-17.21	-0.54	-14.57	13.41	430.19
		0.0	0.0	1.03e-06	0.0	12.5	-4.419e+04	-17.21	-0.54	-14.57	6.70	215.10
						25.0	-4.419e+04	-17.21	-0.54	-14.57	0.0	0.0
3	158	0.0	0.0	-1.71e-03	0.0	0.0	-4.427e+04	893.06	2290.35	-9.94	-5.726e+04	-2.233e+04
		-2.233e+04	-5.726e+04	-4.39e-03	0.0	12.5	-4.427e+04	893.06	2290.35	-9.94	-2.863e+04	-1.116e+04
						25.0	-4.427e+04	893.06	2290.35	-9.94	0.0	0.0
3	159	9.663e+04	2.408e+05	7.42e-03	0.0	0.0	-4.461e+04	-3865.10	-9632.53	-170.74	2.408e+05	9.663e+04
		0.0	0.0	0.02	0.0	12.5	-4.461e+04	-3865.10	-9632.53	-170.74	1.204e+05	4.831e+04
						25.0	-4.461e+04	-3865.10	-9632.53	-170.74	0.0	0.0
3	163	0.0	3.395e+04	-1.13e-03	0.0	0.0	-4.494e+04	588.82	-1358.14	1643.29	3.395e+04	-1.472e+04
		-1.472e+04	0.0	2.61e-03	0.0	12.5	-4.494e+04	588.82	-1358.14	1643.29	1.698e+04	-7360.21
						25.0	-4.494e+04	588.82	-1358.14	1643.29	0.0	0.0
3	164	430.19	13.41	3.30e-05	0.0	0.0	-4.419e+04	-17.21	-0.54	-14.57	13.41	430.19
		0.0	0.0	1.03e-06	0.0	12.5	-4.419e+04	-17.21	-0.54	-14.57	6.70	215.10
						25.0	-4.419e+04	-17.21	-0.54	-14.57	0.0	0.0
3	170	0.0	4.672e+04	-9.87e-03	0.0	0.0	-4.399e+04	5143.66	-1868.67	5897.85	4.672e+04	-1.286e+05
		-1.286e+05	0.0	3.59e-03	0.0	12.5	-4.399e+04	5143.66	-1868.67	5897.85	2.336e+04	-6.430e+04
						25.0	-4.399e+04	5143.66	-1868.67	5897.85	0.0	0.0
3	171	1.295e+05	0.0	9.93e-03	0.0	0.0	-4.440e+04	-5178.08	1867.60	-5926.99	-4.669e+04	1.295e+05

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		0.0	-4.669e+04	-3.58e-03	0.0	12.5	-4.440e+04	-5178.08	1867.60	-5926.99	-2.334e+04	6.473e+04
						25.0	-4.440e+04	-5178.08	1867.60	-5926.99	0.0	0.0
3	189	9766.75	0.0	7.50e-04	0.0	0.0	-4.179e+04	-390.67	3763.64	-3498.43	-9.409e+04	9766.75
		0.0	-9.409e+04	-7.22e-03	0.0	12.5	-4.179e+04	-390.67	3763.64	-3498.43	-4.705e+04	4883.38
						25.0	-4.179e+04	-390.67	3763.64	-3498.43	0.0	0.0
3	192	0.0	9.412e+04	-6.84e-04	0.0	0.0	-4.660e+04	356.25	-3764.71	3469.29	9.412e+04	-8906.36
		-8906.36	0.0	7.22e-03	0.0	12.5	-4.660e+04	356.25	-3764.71	3469.29	4.706e+04	-4453.18
						25.0	-4.660e+04	356.25	-3764.71	3469.29	0.0	0.0
3	193	2.116e+04	0.0	1.62e-03	0.0	0.0	-4.182e+04	-846.53	4172.84	-6176.81	-1.043e+05	2.116e+04
		0.0	-1.043e+05	-8.01e-03	0.0	12.5	-4.182e+04	-846.53	4172.84	-6176.81	-5.216e+04	1.058e+04
						25.0	-4.182e+04	-846.53	4172.84	-6176.81	0.0	0.0
3	196	0.0	1.043e+05	-1.56e-03	0.0	0.0	-4.657e+04	812.11	-4173.91	6147.67	1.043e+05	-2.030e+04
		-2.030e+04	0.0	8.01e-03	0.0	12.5	-4.657e+04	812.11	-4173.91	6147.67	5.217e+04	-1.015e+04
						25.0	-4.657e+04	812.11	-4173.91	6147.67	0.0	0.0
3	209	0.0	0.0	-9.12e-04	0.0	0.0	-4.404e+04	475.52	147.05	-3.39	-3676.18	-1.189e+04
		-1.189e+04	-3676.18	-2.82e-04	0.0	12.5	-4.404e+04	475.52	147.05	-3.39	-1838.09	-5943.94
						25.0	-4.404e+04	475.52	147.05	-3.39	0.0	0.0
3	212	1.275e+04	3703.00	9.78e-04	0.0	0.0	-4.435e+04	-509.93	-148.12	-25.75	3703.00	1.275e+04
		0.0	0.0	2.84e-04	0.0	12.5	-4.435e+04	-509.93	-148.12	-25.75	1851.50	6374.14
						25.0	-4.435e+04	-509.93	-148.12	-25.75	0.0	0.0
3	214	4047.95	0.0	3.11e-04	0.0	0.0	-4.398e+04	-161.92	533.61	1.68	-1.334e+04	4047.95
		0.0	-1.334e+04	-1.02e-03	0.0	12.5	-4.398e+04	-161.92	533.61	1.68	-6670.10	2023.97
						25.0	-4.398e+04	-161.92	533.61	1.68	0.0	0.0
3	215	0.0	1.337e+04	-2.45e-04	0.0	0.0	-4.441e+04	127.50	-534.68	-30.83	1.337e+04	-3187.56
		-3187.56	0.0	1.03e-03	0.0	12.5	-4.441e+04	127.50	-534.68	-30.83	6683.51	-1593.78
						25.0	-4.441e+04	127.50	-534.68	-30.83	0.0	0.0
3	218	0.0	0.0	-2.55e-04	0.0	0.0	-4.394e+04	132.89	533.39	3.74	-1.333e+04	-3322.37
		-3322.37	-1.333e+04	-1.02e-03	0.0	12.5	-4.394e+04	132.89	533.39	3.74	-6667.38	-1661.18
						25.0	-4.394e+04	132.89	533.39	3.74	0.0	0.0
3	219	4182.75	1.336e+04	3.21e-04	0.0	0.0	-4.445e+04	-167.31	-534.46	-32.89	1.336e+04	4182.75
		0.0	0.0	1.03e-03	0.0	12.5	-4.445e+04	-167.31	-534.46	-32.89	6680.79	2091.38
						25.0	-4.445e+04	-167.31	-534.46	-32.89	0.0	0.0
4	4	0.0	268.30	-1.11e-05	0.0	0.0	-4.458e+04	5.80	-10.73	-86.58	268.30	-144.88
		-144.88	0.0	2.06e-05	0.0	12.5	-4.458e+04	5.80	-10.73	-86.58	134.15	-72.44
						25.0	-4.458e+04	5.80	-10.73	-86.58	0.0	0.0
4	5	3.933e+04	0.0	3.02e-03	0.0	0.0	-5.892e+04	-1573.32	4109.42	-117.37	-1.027e+05	3.933e+04
		0.0	-1.027e+05	-7.88e-03	0.0	12.5	-5.892e+04	-1573.32	4109.42	-117.37	-5.137e+04	1.967e+04
						25.0	-5.892e+04	-1573.32	4109.42	-117.37	0.0	0.0
4	8	6.575e+04	0.0	5.05e-03	0.0	0.0	-4.534e+04	-2630.20	6862.37	-92.93	-1.716e+05	6.575e+04
		0.0	-1.716e+05	-0.01	0.0	12.5	-4.534e+04	-2630.20	6862.37	-92.93	-8.578e+04	3.288e+04
						25.0	-4.534e+04	-2630.20	6862.37	-92.93	0.0	0.0
4	15	0.0	7.236e+05	-0.02	0.0	0.0	-5.837e+04	1.110e+04	-2.895e+04	-63.46	7.236e+05	-2.775e+05
		-2.775e+05	0.0	0.06	0.0	12.5	-5.837e+04	1.110e+04	-2.895e+04	-63.46	3.618e+05	-1.387e+05
						25.0	-5.837e+04	1.110e+04	-2.895e+04	-63.46	0.0	0.0
4	22	2.973e+05	3.928e+04	0.02	0.0	0.0	-4.276e+04	-1.189e+04	-1571.34	-1.163e+04	3.928e+04	2.973e+05
...												
12	220	0.0	-1.453e+04	-1.11e-03	0.0	25.0	-4.361e+04	-128.02	581.00	-16.24	0.0	0.0
Pilas.		**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**		**N**	**V 2**	**V 3**	**T**		
		-9.300e+05	-9.163e+05	-0.07	0.0		-6.600e+04	-4.186e+04	-3.661e+04	-1.239e+04		
		1.174e+06	9.154e+05	0.09	0.0		-3.156e+04	3.720e+04	3.231e+04	1.245e+04		

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
13	1	4.164e+04	1008.41	-3.73e-03	-3744.24	0.0	-697.58	1836.39	34.82	-416.46	-983.48	-0.64
		-3305.49	-983.48	-3.33e-04	0.0	46.2	-697.58	-35.73	34.82	-416.46	12.46	4.164e+04
						92.5	-697.58	-1907.84	34.82	-416.46	1008.41	-3305.49

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
13	3	4.035e+04	1004.48	-3.61e-03	-3636.36	0.0	-656.29	1781.45	34.44	-417.55	-967.73	-0.62
		-3398.61	-967.73	-3.29e-04	0.0	46.2	-656.29	-36.73	34.44	-417.55	18.37	4.035e+04
						92.5	-656.29	-1854.91	34.44	-417.55	1004.48	-3398.61
13	15	6.458e+04	6223.37	-0.02	-3636.36	0.0	1.365e+05	2253.55	258.90	-7511.79	-4334.20	-3.51
		-3.51	-4334.20	-3.03e-03	0.0	46.2	1.365e+05	435.37	258.90	-7511.79	944.59	6.218e+04
						92.5	1.365e+05	-1382.81	258.90	-7511.79	6223.37	4.027e+04
13	16	5.602e+04	5991.57	-0.02	-2797.20	0.0	1.367e+05	1842.44	250.95	-7415.43	-4110.87	-3.36
		-3.36	-4110.87	-2.95e-03	0.0	46.2	1.367e+05	443.84	250.95	-7415.43	940.35	5.287e+04
						92.5	1.367e+05	-954.76	250.95	-7415.43	5991.57	4.105e+04
13	35	6.342e+04	6396.36	-0.02	-3636.36	0.0	1.368e+05	2233.51	265.15	-8202.88	-4882.89	-3.32
		-3.32	-4882.89	2.18e-03	0.0	46.2	1.368e+05	415.33	265.15	-8202.88	756.74	6.125e+04
						92.5	1.368e+05	-1402.85	265.15	-8202.88	6396.36	3.841e+04
13	43	3.777e+04	878.34	1.34e-03	-3636.36	0.0	205.47	1725.81	44.06	-1601.38	-1931.98	-0.19
		-8544.90	-1931.98	-9.29e-03	0.0	46.2	205.47	-92.37	44.06	-1601.38	-526.82	3.777e+04
						92.5	205.47	-1910.55	44.06	-1601.38	878.34	-8544.90
13	58	5.405e+04	5915.89	-0.02	-2797.20	0.0	1.372e+05	1809.06	256.73	-8125.73	-4689.42	-3.11
		-3.11	-4689.42	-8.33e-03	0.0	46.2	1.372e+05	410.46	256.73	-8125.73	613.23	5.132e+04
						92.5	1.372e+05	-988.14	256.73	-8125.73	5915.89	3.796e+04
13	65	4.153e+04	151.74	-2.99e-03	-3636.36	0.0	-1110.06	1806.97	23.74	657.05	-1752.15	-0.51
		-1037.80	-1752.15	2.79e-03	0.0	46.2	-1110.06	-11.21	23.74	657.05	-800.21	4.153e+04
						92.5	-1110.06	-1829.39	23.74	657.05	151.74	-1037.80
13	79	6.547e+04	5711.73	-0.02	-3636.36	0.0	1.362e+05	2268.86	252.48	-6867.03	-4804.85	-3.44
		-3.44	-4804.85	-1.16e-03	0.0	46.2	1.362e+05	450.68	252.48	-6867.03	453.44	6.288e+04
						92.5	1.362e+05	-1367.50	252.48	-6867.03	5711.73	4.168e+04
13	101	6.516e+04	5717.79	-0.02	-3636.36	0.0	1.363e+05	2263.54	267.74	-8451.08	-5524.04	-3.58
		-3.58	-5524.04	-7.09e-03	0.0	46.2	1.363e+05	445.36	267.74	-8451.08	96.88	6.264e+04
						92.5	1.363e+05	-1372.82	267.74	-8451.08	5717.79	4.119e+04
13	122	4.611e+04	4367.27	-0.01	-2797.20	0.0	9.112e+04	1671.72	180.30	-5511.41	-3354.51	-2.27
		-2.27	-3354.51	1.42e-03	0.0	46.2	9.112e+04	273.12	180.30	-5511.41	506.38	4.497e+04
						92.5	9.112e+04	-1125.48	180.30	-5511.41	4367.27	2.526e+04
13	126	2.932e+04	688.58	-1.15e-03	-2797.20	0.0	69.67	1333.25	32.90	-1110.41	-1387.24	-0.19
		-6045.18	-1387.24	-6.23e-03	0.0	46.2	69.67	-65.35	32.90	-1110.41	-349.33	2.932e+04
						92.5	69.67	-1463.95	32.90	-1110.41	688.58	-6045.18
13	133	4.559e+04	4201.48	-0.01	-2797.20	0.0	9.128e+04	1662.82	179.98	-5524.22	-3374.42	-2.23
		-2.23	-3374.42	-5.64e-03	0.0	46.2	9.128e+04	264.22	179.98	-5524.22	413.53	4.456e+04
						92.5	9.128e+04	-1134.38	179.98	-5524.22	4201.48	2.444e+04
13	137	3.182e+04	204.18	-2.37e-03	-2797.20	0.0	-807.35	1387.36	19.36	395.21	-1267.36	-0.41
		-1040.44	-1267.36	1.82e-03	0.0	46.2	-807.35	-11.24	19.36	395.21	-531.59	3.182e+04
						92.5	-807.35	-1409.84	19.36	395.21	204.18	-1040.44
13	144	4.747e+04	3910.84	-0.01	-2797.20	0.0	9.076e+04	1695.28	171.85	-4620.85	-3302.49	-2.36
		-2.36	-3302.49	-8.08e-04	0.0	46.2	9.076e+04	296.68	171.85	-4620.85	304.18	4.606e+04
						92.5	9.076e+04	-1101.92	171.85	-4620.85	3910.84	2.744e+04
13	155	4.727e+04	3914.88	-0.02	-2797.20	0.0	9.081e+04	1691.74	182.02	-5676.88	-3781.95	-2.45
		-2.45	-3781.95	-4.76e-03	0.0	46.2	9.081e+04	293.14	182.02	-5676.88	66.47	4.590e+04
						92.5	9.081e+04	-1105.46	182.02	-5676.88	3914.88	2.711e+04
13	159	3.855e+04	2512.31	-8.73e-03	-2797.20	0.0	4.522e+04	1527.71	101.31	-2685.94	-1866.56	-1.44
		-1.44	-1866.56	-1.15e-03	0.0	46.2	4.522e+04	129.11	101.31	-2685.94	322.87	3.831e+04
						92.5	4.522e+04	-1269.49	101.31	-2685.94	2512.31	1.194e+04
13	161	3.069e+04	755.86	-2.41e-03	-2797.20	0.0	-389.94	1362.93	27.77	-479.04	-872.97	-0.42
		-3300.49	-872.97	-1.45e-03	0.0	46.2	-389.94	-35.67	27.77	-479.04	-58.56	3.069e+04
						92.5	-389.94	-1434.27	27.77	-479.04	755.86	-3300.49
13	162	3.119e+04	658.98	-2.69e-03	-2797.20	0.0	-565.34	1373.75	25.06	-177.91	-849.00	-0.46
		-2299.54	-849.00	1.62e-04	0.0	46.2	-565.34	-24.85	25.06	-177.91	-95.01	3.119e+04
						92.5	-565.34	-1423.45	25.06	-177.91	658.98	-2299.54
13	164	3.104e+04	772.67	-2.78e-03	-2797.20	0.0	-504.84	1370.34	26.49	-321.19	-744.41	-0.48
		-2614.31	-744.41	-2.53e-04	0.0	46.2	-504.84	-28.26	26.49	-321.19	14.13	3.104e+04
						92.5	-504.84	-1426.86	26.49	-321.19	772.67	-2614.31
13	174	3.217e+04	719.39	-3.90e-03	-2797.20	0.0	-892.78	1394.96	21.54	262.60	-462.05	-0.63
		-337.78	-462.05	3.61e-03	0.0	46.2	-892.78	-3.64	21.54	262.60	128.67	3.217e+04
						92.5	-892.78	-1402.24	21.54	262.60	719.39	-337.78
13	175	2.990e+04	825.95	-1.83e-03	-2797.20	0.0	-116.90	1345.73	31.44	-904.98	-1026.77	-0.33
		-4890.85	-1026.77	-4.11e-03	0.0	46.2	-116.90	-52.87	31.44	-904.98	-100.41	2.990e+04
						92.5	-116.90	-1451.47	31.44	-904.98	825.95	-4890.85
13	183	3.040e+04	1133.51	-2.79e-03	-2797.20	0.0	-276.42	1356.63	31.81	-869.54	-550.85	-0.48
		-3882.93	-550.85	-5.49e-04	0.0	46.2	-276.42	-41.97	31.81	-869.54	291.33	3.040e+04
						92.5	-276.42	-1440.57	31.81	-869.54	1133.51	-3882.93

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
13	196	3.103e+04	435.53	-2.68e-03	-2797.20	0.0	-521.22	1370.16	33.33	-1068.43	-1629.03	-0.47
		-2631.02	-1629.03	-3.97e-03	0.0	46.2	-521.22	-28.44	33.33	-1068.43	-596.75	3.103e+04
						92.5	-521.22	-1427.04	33.33	-1068.43	435.53	-2631.02
13	198	3.019e+04	860.90	-2.48e-03	-2797.20	0.0	-346.62	1352.17	24.49	-343.30	-657.63	-0.41
		-4295.61	-657.63	-2.45e-04	0.0	46.2	-346.62	-46.43	24.49	-343.30	101.63	3.019e+04
						92.5	-346.62	-1445.03	24.49	-343.30	860.90	-4295.61
13	199	3.188e+04	684.45	-3.10e-03	-2797.20	0.0	-663.06	1388.52	28.49	-299.09	-831.19	-0.54
		-933.02	-831.19	-2.62e-04	0.0	46.2	-663.06	-10.08	28.49	-299.09	-73.37	3.188e+04
						92.5	-663.06	-1408.68	28.49	-299.09	684.45	-933.02
13	221	3.082e+04	916.29	-2.67e-03	-2797.20	0.0	-457.89	1365.72	-0.57	308.78	21.57	-0.45
		-3041.78	21.57	-4.80e-05	0.0	46.2	-457.89	-32.88	-0.57	308.78	468.93	3.082e+04
						92.5	-457.89	-1431.48	-0.57	308.78	916.29	-3041.78
13	228	3.090e+04	677.24	-2.78e-03	-2797.20	0.0	-490.28	1367.46	55.16	-1026.80	-1531.44	-0.48
		-2881.49	-1531.44	-4.91e-04	0.0	46.2	-490.28	-31.14	55.16	-1026.80	-427.10	3.090e+04
						92.5	-490.28	-1429.74	55.16	-1026.80	677.24	-2881.49
14	1	1.178e+04	1770.01	-1.34e-03	-2866.99	0.0	-896.99	1283.85	31.85	-624.67	796.05	-3305.76
		-1.116e+04	796.05	-1.05e-04	0.0	26.2	-896.99	-149.64	31.85	-624.67	1283.03	1.158e+04
						52.5	-896.99	-1583.13	31.85	-624.67	1770.01	-1.116e+04
14	5	1.208e+04	1919.85	-1.38e-03	-2915.97	0.0	-819.17	1306.29	33.31	-658.69	929.43	-3273.07
		-1.124e+04	929.43	-1.13e-04	0.0	26.2	-819.17	-151.69	33.31	-658.69	1424.64	1.188e+04
						52.5	-819.17	-1609.68	33.31	-658.69	1919.85	-1.124e+04
14	15	4.688e+04	7835.36	-8.84e-03	-2805.76	0.0	1.497e+05	841.82	398.00	-9258.44	56.54	4.026e+04
		1.081e+04	56.54	-1.51e-03	0.0	26.2	1.497e+05	-561.06	398.00	-9258.44	3945.95	4.395e+04
						52.5	1.497e+05	-1963.94	398.00	-9258.44	7835.36	1.081e+04
14	16	4.475e+04	7431.78	-8.54e-03	-2158.28	0.0	1.499e+05	551.65	390.84	-9116.74	-128.44	4.105e+04
		1.335e+04	-128.44	-1.48e-03	0.0	26.2	1.499e+05	-527.49	390.84	-9116.74	3651.67	4.136e+04
						52.5	1.499e+05	-1606.62	390.84	-9116.74	7431.78	1.335e+04
14	45	1.030e+04	2877.14	-4.46e-04	-2915.97	0.0	61.56	1364.12	74.69	-2146.62	-296.62	-6360.73
		-1.133e+04	-296.62	-3.23e-03	0.0	26.2	61.56	-93.86	74.69	-2146.62	1290.26	1.029e+04
						52.5	61.56	-1551.85	74.69	-2146.62	2877.14	-1.133e+04
14	58	4.241e+04	8389.07	-7.45e-03	-2158.28	0.0	1.507e+05	609.48	432.21	-1.060e+04	-1354.49	3.796e+04
		1.326e+04	-1354.49	-4.60e-03	0.0	26.2	1.507e+05	-469.66	432.21	-1.060e+04	3517.29	3.977e+04
						52.5	1.507e+05	-1548.80	432.21	-1.060e+04	8389.07	1.326e+04
14	65	1.302e+04	2933.79	-6.35e-04	-2805.76	0.0	-1659.11	1221.02	90.97	-2699.98	-1544.95	-1037.97
		-1.033e+04	-1544.95	1.86e-03	0.0	26.2	-1659.11	-181.85	90.97	-2699.98	694.42	1.273e+04
						52.5	-1659.11	-1584.73	90.97	-2699.98	2933.79	-1.033e+04
14	79	4.799e+04	8546.33	-8.38e-03	-2805.76	0.0	1.491e+05	820.00	433.96	-1.051e+04	-1351.38	4.168e+04
		1.123e+04	-1351.38	-3.30e-04	0.0	26.2	1.491e+05	-582.88	433.96	-1.051e+04	3597.48	4.487e+04
						52.5	1.491e+05	-1985.76	433.96	-1.051e+04	8546.33	1.123e+04
14	101	4.768e+04	9622.25	-9.09e-03	-2805.76	0.0	1.493e+05	822.13	492.15	-1.260e+04	-3132.88	4.119e+04
		1.133e+04	-3132.88	-3.91e-03	0.0	26.2	1.493e+05	-580.75	492.15	-1.260e+04	3244.68	4.467e+04
						52.5	1.493e+05	-1983.63	492.15	-1.260e+04	9622.25	1.133e+04
14	104	3.116e+04	7975.32	-5.94e-03	-2158.28	0.0	8.905e+04	685.07	400.97	-1.122e+04	-5146.13	2.512e+04
		5493.21	-5146.13	-4.92e-03	0.0	26.2	8.905e+04	-394.07	400.97	-1.122e+04	1414.60	2.947e+04
						52.5	8.905e+04	-1473.21	400.97	-1.122e+04	7975.32	5493.21
14	127	8035.43	2097.46	-4.09e-04	-2231.75	0.0	-38.65	1038.38	52.97	-1494.06	-115.53	-4589.09
		-8686.22	-115.53	-2.17e-03	0.0	26.2	-38.65	-77.50	52.97	-1494.06	990.97	8008.20
						52.5	-38.65	-1193.37	52.97	-1494.06	2097.46	-8686.22
14	133	3.085e+04	6041.14	-5.30e-03	-2158.28	0.0	1.003e+05	728.73	296.10	-7227.22	-697.47	2.444e+04
		6009.81	-697.47	-3.10e-03	0.0	26.2	1.003e+05	-350.41	296.10	-7227.22	2671.83	2.939e+04
						52.5	1.003e+05	-1429.55	296.10	-7227.22	6041.14	6009.81
14	137	9848.01	2135.23	-5.42e-04	-2158.28	0.0	-1185.76	942.98	63.83	-1862.96	-947.76	-1040.58
		-8020.64	-947.76	1.23e-03	0.0	26.2	-1185.76	-136.16	63.83	-1862.96	593.74	9633.07
						52.5	-1185.76	-1215.30	63.83	-1862.96	2135.23	-8020.64
14	144	3.302e+04	5876.92	-5.72e-03	-2158.28	0.0	9.935e+04	675.63	292.49	-7069.65	-818.71	2.744e+04
		6354.38	-818.71	-2.30e-04	0.0	26.2	9.935e+04	-403.51	292.49	-7069.65	2529.11	3.106e+04
						52.5	9.935e+04	-1482.65	292.49	-7069.65	5876.92	6354.38
14	155	3.282e+04	6594.20	-6.20e-03	-2158.28	0.0	9.946e+04	677.05	331.29	-8459.79	-2006.38	2.711e+04
		6423.42	-2006.38	-2.62e-03	0.0	26.2	9.946e+04	-402.09	331.29	-8459.79	2293.91	3.093e+04
						52.5	9.946e+04	-1481.22	331.29	-8459.79	6594.20	6423.42
14	156	2.351e+04	5765.30	-4.30e-03	-2158.28	0.0	5.917e+04	779.12	275.27	-7637.63	-3225.22	1.588e+04
		832.11	-3225.22	-3.31e-03	0.0	26.2	5.917e+04	-300.02	275.27	-7637.63	1270.04	2.252e+04
						52.5	5.917e+04	-1379.15	275.27	-7637.63	5765.30	832.11
14	159	2.029e+04	3374.10	-3.52e-03	-2158.28	0.0	4.955e+04	828.70	146.20	-3353.80	368.24	1.194e+04
		-1208.70	368.24	-5.47e-04	0.0	26.2	4.955e+04	-250.44	146.20	-3353.80	1871.17	1.953e+04

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
						52.5	4.955e+04	-1329.58	146.20	-3353.80	3374.10	-1208.70
14	161	8362.16	1558.00	-7.68e-04	-2158.28	0.0	-401.96	980.07	33.07	-802.98	344.13	-3300.66
		-8511.07	344.13	-7.72e-04	0.0	26.2	-401.96	-99.06	33.07	-802.98	951.06	8257.82
						52.5	-401.96	-1178.20	33.07	-802.98	1558.00	-8511.07
14	162	8975.43	1503.26	-9.06e-04	-2158.28	0.0	-715.29	962.37	31.87	-750.45	303.72	-2299.73
		-8396.21	303.72	1.83e-04	0.0	26.2	-715.29	-116.76	31.87	-750.45	903.49	8815.71
						52.5	-715.29	-1195.90	31.87	-750.45	1503.26	-8396.21
14	163	8923.98	1742.35	-1.06e-03	-2158.28	0.0	-680.82	962.85	44.80	-1213.84	-92.17	-2409.10
		-8373.20	-92.17	-6.12e-04	0.0	26.2	-680.82	-116.29	44.80	-1213.84	825.09	8772.53
						52.5	-680.82	-1195.43	44.80	-1213.84	1742.35	-8373.20
14	164	8757.29	1345.26	-1.01e-03	-2158.28	0.0	-597.68	967.22	23.88	-472.33	616.59	-2614.51
		-8490.10	616.59	-7.84e-05	0.0	26.2	-597.68	-111.91	23.88	-472.33	980.93	8611.37
						52.5	-597.68	-1191.05	23.88	-472.33	1345.26	-8490.10
14	174	1.010e+04	1136.03	-1.60e-03	-2158.28	0.0	-1270.97	925.53	4.10	247.53	1136.03	-338.05
		-8352.44	865.33	2.18e-03	0.0	26.2	-1270.97	-153.61	4.10	247.53	1000.68	9818.44
						52.5	-1270.97	-1232.75	4.10	247.53	865.33	-8352.44
14	175	7416.55	1825.20	-4.59e-04	-2158.28	0.0	75.62	1008.92	43.66	-1192.19	97.15	-4890.98
		-8627.76	97.15	-2.33e-03	0.0	26.2	75.62	-70.22	43.66	-1192.19	961.17	7404.31
						52.5	75.62	-1149.36	43.66	-1192.19	1825.20	-8627.76
14	189	8471.54	2911.02	-1.00e-03	-2158.28	0.0	-444.92	972.91	-44.88	1961.66	2911.02	-2844.34
		-8847.74	1.31	9.25e-04	0.0	26.2	-444.92	-106.23	-44.88	1961.66	1456.17	8317.64
						52.5	-444.92	-1185.37	-44.88	1961.66	1.31	-8847.74
14	193	8625.10	2926.20	-1.04e-03	-2158.28	0.0	-533.02	968.58	-45.33	1985.21	2926.20	-2597.86
		-8813.67	-0.71	2.11e-03	0.0	26.2	-533.02	-110.56	-45.33	1985.21	1462.74	8457.92
						52.5	-533.02	-1189.69	-45.33	1985.21	-0.71	-8813.67
14	196	8889.48	2691.24	-9.76e-04	-2158.28	0.0	-662.33	965.87	93.08	-2929.86	-1693.02	-2631.17
		-8166.54	-1693.02	-2.27e-03	0.0	26.2	-662.33	-113.27	93.08	-2929.86	499.11	8764.83
						52.5	-662.33	-1192.41	93.08	-2929.86	2691.24	-8166.54
14	198	7687.29	1199.52	-9.22e-04	-2158.28	0.0	-136.67	993.84	9.09	-261.27	915.03	-4295.78
		-8774.18	915.03	-5.11e-05	0.0	26.2	-136.67	-85.30	9.09	-261.27	1057.28	7628.70
						52.5	-136.67	-1164.44	9.09	-261.27	1199.52	-8774.18
14	199	9827.28	1491.00	-1.10e-03	-2158.28	0.0	-1058.68	940.61	38.67	-683.38	318.15	-933.25
		-8206.02	318.15	-1.07e-04	0.0	26.2	-1058.68	-138.53	38.67	-683.38	904.58	9594.04
						52.5	-1058.68	-1217.66	38.67	-683.38	1491.00	-8206.02
14	224	9055.14	2439.91	-1.06e-03	-2158.28	0.0	-743.36	961.58	137.44	-2564.39	-1159.09	-2187.07
		-8358.87	-1159.09	-3.41e-04	0.0	26.2	-743.36	-117.56	137.44	-2564.39	640.41	8890.71
						52.5	-743.36	-1196.69	137.44	-2564.39	2439.91	-8358.87
14	228	8622.05	2464.95	-1.04e-03	-2158.28	0.0	-570.48	972.97	139.61	-2639.55	-1145.61	-2881.70
		-8455.69	-1145.61	-3.52e-04	0.0	26.2	-570.48	-106.17	139.61	-2639.55	659.67	8494.99
						52.5	-570.48	-1185.31	139.61	-2639.55	2464.95	-8455.69
15	1	2.492e+04	1487.71	-2.68e-03	-3959.17	0.0	-522.85	1985.24	-29.23	261.99	1487.71	-1.116e+04
		-1.116e+04	-149.04	1.68e-04	0.0	36.2	-522.85	5.66	-29.23	261.99	669.34	2.492e+04
						72.5	-522.85	-1973.93	-29.23	261.99	-149.04	-1.075e+04
15	3	2.429e+04	1476.71	-2.65e-03	-3874.62	0.0	-406.35	1943.21	-29.30	265.46	1476.71	-1.104e+04
		-1.104e+04	-153.92	1.69e-04	0.0	36.2	-406.35	5.90	-29.30	265.46	661.40	2.429e+04
						72.5	-406.35	-1931.41	-29.30	265.46	-153.92	-1.061e+04
15	5	2.548e+04	1626.08	-2.72e-03	-4026.81	0.0	-436.92	2019.53	-29.61	247.47	1626.08	-1.124e+04
		-1.124e+04	-60.08	1.80e-04	0.0	36.2	-436.92	6.12	-29.61	247.47	783.00	2.548e+04
						72.5	-436.92	-2007.28	-29.61	247.47	-60.08	-1.079e+04
15	15	4.493e+04	3770.66	-8.94e-03	-3874.62	0.0	1.565e+05	1909.98	159.41	-3661.36	1392.03	1.081e+04
		8824.02	1392.03	-9.25e-04	0.0	36.2	1.565e+05	-27.33	159.41	-3661.36	2581.35	4.493e+04
						72.5	1.565e+05	-1964.64	159.41	-3661.36	3770.66	8824.02
15	16	3.932e+04	3806.18	-8.33e-03	-2980.48	0.0	1.566e+05	1461.55	166.17	-3722.62	1051.25	1.335e+04
		1.127e+04	1051.25	-9.64e-04	0.0	36.2	1.566e+05	-28.69	166.17	-3722.62	2428.72	3.932e+04
						72.5	1.566e+05	-1518.93	166.17	-3722.62	3806.18	1.127e+04
15	51	2.429e+04	1589.55	-1.06e-03	-3942.26	0.0	465.10	1965.69	7.99	-1348.38	534.63	-1.127e+04
		-1.160e+04	534.63	-6.96e-03	0.0	36.2	465.10	-5.44	7.99	-1348.38	1062.09	2.429e+04
						72.5	465.10	-1976.57	7.99	-1348.38	1589.55	-1.160e+04
15	58	3.899e+04	4798.89	-6.95e-03	-2980.48	0.0	1.571e+05	1454.47	188.77	-4682.22	402.98	1.326e+04
		1.070e+04	402.98	-5.25e-03	0.0	36.2	1.571e+05	-35.77	188.77	-4682.22	2600.93	3.899e+04
						72.5	1.571e+05	-1526.01	188.77	-4682.22	4798.89	1.070e+04
15	65	2.504e+04	2658.51	-1.72e-03	-3874.62	0.0	-1065.34	1937.37	1.64	-1055.65	2658.51	-1.033e+04
		-1.033e+04	1287.03	3.31e-03	0.0	36.2	-1065.34	0.06	1.64	-1055.65	1972.77	2.504e+04
						72.5	-1065.34	-1937.25	1.64	-1055.65	1287.03	-9810.77
15	101	4.540e+04	6097.34	-9.19e-03	-3874.62	0.0	1.562e+05	1913.36	203.61	-5557.58	485.67	1.133e+04
		9242.24	485.67	-4.03e-03	0.0	36.2	1.562e+05	-23.95	203.61	-5557.58	3291.50	4.540e+04

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
						72.5	1.562e+05	-1961.26	203.61	-5557.58	6097.34	9242.24
15	102	3.980e+04	6132.86	-8.58e-03	-2980.48	0.0	1.563e+05	1464.93	210.37	-5618.84	144.89	1.388e+04
		1.169e+04	144.89	-4.07e-03	0.0	36.2	1.563e+05	-25.31	210.37	-5618.84	3138.87	3.980e+04
						72.5	1.563e+05	-1515.55	210.37	-5618.84	6132.86	1.169e+04
15	104	3.185e+04	6114.14	-6.22e-03	-2980.48	0.0	9.327e+04	1480.47	164.36	-5312.25	-425.47	5492.34
		4195.92	-425.47	-5.70e-03	0.0	36.2	9.327e+04	-9.77	164.36	-5312.25	2844.33	3.185e+04
						72.5	9.327e+04	-1500.00	164.36	-5312.25	6114.14	4195.92
15	106	1.868e+04	1135.93	-2.04e-03	-2980.48	0.0	-312.58	1494.78	-22.54	204.20	1135.93	-8490.32
		-8490.32	-118.40	1.30e-04	0.0	36.2	-312.58	4.54	-22.54	204.20	508.77	1.868e+04
						72.5	-312.58	-1485.70	-22.54	204.20	-118.40	-8161.43
15	130	1.868e+04	1043.91	-9.46e-04	-3025.57	0.0	268.39	1509.77	2.32	-871.69	507.88	-8645.01
		-8824.37	507.88	-4.62e-03	0.0	36.2	268.39	-3.02	2.32	-871.69	775.89	1.868e+04
						72.5	268.39	-1515.80	2.32	-871.69	1043.91	-8824.37
15	133	3.222e+04	3159.79	-5.31e-03	-2980.48	0.0	1.046e+05	1467.90	118.34	-3053.41	647.29	6008.95
		4413.15	647.29	-3.46e-03	0.0	36.2	1.046e+05	-22.33	118.34	-3053.41	1903.54	3.222e+04
						72.5	1.046e+05	-1512.57	118.34	-3053.41	3159.79	4413.15
15	137	1.919e+04	1923.80	-1.41e-03	-2980.48	0.0	-751.90	1490.88	-1.91	-676.54	1923.80	-8020.81
		-8020.81	842.23	2.22e-03	0.0	36.2	-751.90	0.64	-1.91	-676.54	1383.01	1.919e+04
						72.5	-751.90	-1489.59	-1.91	-676.54	842.23	-7628.70
15	155	3.276e+04	4049.11	-6.40e-03	-2980.48	0.0	1.041e+05	1474.88	132.74	-3677.82	475.24	6422.50
		5073.30	475.24	-2.67e-03	0.0	36.2	1.041e+05	-15.36	132.74	-3677.82	2262.17	3.276e+04
						72.5	1.041e+05	-1505.60	132.74	-3677.82	4049.11	5073.30
15	157	1.868e+04	1135.93	-2.04e-03	-2980.48	0.0	-312.58	1494.78	-22.54	204.20	1135.93	-8490.32
		-8490.32	-118.40	1.30e-04	0.0	36.2	-312.58	4.54	-22.54	204.20	508.77	1.868e+04
						72.5	-312.58	-1485.70	-22.54	204.20	-118.40	-8161.43
15	159	2.556e+04	1189.79	-4.13e-03	-2980.48	0.0	5.199e+04	1483.70	40.37	-1104.74	1107.70	-1209.26
		-1683.47	1107.70	-2.35e-04	0.0	36.2	5.199e+04	-6.54	40.37	-1104.74	1148.75	2.556e+04
						72.5	5.199e+04	-1496.77	40.37	-1104.74	1189.79	-1683.47
15	161	1.861e+04	991.87	-1.77e-03	-2980.48	0.0	-207.84	1493.20	-17.51	-9.04	991.87	-8511.27
		-8511.27	102.20	-8.22e-04	0.0	36.2	-207.84	2.96	-17.51	-9.04	547.04	1.861e+04
						72.5	-207.84	-1487.27	-17.51	-9.04	102.20	-8288.54
15	162	1.878e+04	1293.50	-1.90e-03	-2980.48	0.0	-400.44	1494.00	-18.41	28.05	1293.50	-8396.42
		-8396.42	73.73	5.49e-04	0.0	36.2	-400.44	3.76	-18.41	28.05	683.62	1.878e+04
						72.5	-400.44	-1486.48	-18.41	28.05	73.73	-8054.88
15	164	1.868e+04	1135.93	-2.04e-03	-2980.48	0.0	-312.58	1494.78	-22.54	204.20	1135.93	-8490.32
		-8490.32	-118.40	1.30e-04	0.0	36.2	-312.58	4.54	-22.54	204.20	508.77	1.868e+04
						72.5	-312.58	-1485.70	-22.54	204.20	-118.40	-8161.43
15	174	1.898e+04	1690.18	-2.76e-03	-2980.48	0.0	-693.38	1498.71	-33.53	670.34	1690.18	-8352.70
		-8352.70	-592.85	3.28e-03	0.0	36.2	-693.38	8.48	-33.53	670.34	548.66	1.898e+04
						72.5	-693.38	-1481.76	-33.53	670.34	-592.85	-7699.31
15	175	1.838e+04	581.68	-1.45e-03	-2980.48	0.0	68.23	1490.84	-11.54	-261.93	581.68	-8627.95
		-8627.95	356.05	-3.02e-03	0.0	36.2	68.23	0.60	-11.54	-261.93	468.87	1.838e+04
						72.5	68.23	-1489.64	-11.54	-261.93	356.05	-8623.54
15	189	1.839e+04	1841.36	-2.08e-03	-2980.48	0.0	-127.79	1493.30	-55.38	1610.61	1841.36	-8847.95
		-8847.95	-1812.10	1.38e-03	0.0	36.2	-127.79	3.06	-55.38	1610.61	14.63	1.839e+04
						72.5	-127.79	-1487.17	-55.38	1610.61	-1812.10	-8385.28
15	193	1.845e+04	1849.79	-2.12e-03	-2980.48	0.0	-186.23	1494.03	-55.66	1623.20	1849.79	-8813.88
		-8813.88	-1823.84	3.02e-03	0.0	36.2	-186.23	3.79	-55.66	1623.20	12.98	1.845e+04
						72.5	-186.23	-1486.44	-55.66	1623.20	-1823.84	-8317.21
15	194	1.905e+04	1204.20	-2.46e-03	-2980.48	0.0	-621.62	1498.27	1.87	-844.59	672.18	-8133.44
		-8133.44	672.18	-1.10e-03	0.0	36.2	-621.62	8.04	1.87	-844.59	938.19	1.905e+04
						72.5	-621.62	-1482.20	1.87	-844.59	1204.20	-7783.99
15	198	1.841e+04	1141.56	-1.96e-03	-2980.48	0.0	22.67	1494.90	-26.63	277.03	1141.56	-8774.39
		-8774.39	-217.83	1.45e-04	0.0	36.2	22.67	4.66	-26.63	277.03	461.86	1.841e+04
						72.5	22.67	-1485.57	-26.63	277.03	-217.83	-8436.35
15	199	1.896e+04	1130.30	-2.12e-03	-2980.48	0.0	-647.82	1494.65	-18.44	131.37	1130.30	-8206.26
		-8206.26	-18.97	1.16e-04	0.0	36.2	-647.82	4.41	-18.44	131.37	555.67	1.896e+04
						72.5	-647.82	-1485.83	-18.44	131.37	-18.97	-7886.51
15	225	1.863e+04	1359.10	-2.01e-03	-2980.48	0.0	-294.49	1494.22	-61.17	975.99	1359.10	-8524.74
		-8524.74	-769.06	3.36e-04	0.0	36.2	-294.49	3.98	-61.17	975.99	295.02	1.863e+04
						72.5	-294.49	-1486.25	-61.17	975.99	-769.06	-8236.07
16	1	3.997e+04	424.44	-3.27e-03	-4641.79	0.0	-2355.45	2353.85	-35.46	350.82	424.44	-1.075e+04
		-1.075e+04	-1614.25	2.02e-04	0.0	42.5	-2355.45	32.95	-35.46	350.82	-594.91	3.997e+04
						85.0	-2355.45	-2287.94	-35.46	350.82	-1614.25	-7951.92
16	5	4.077e+04	506.11	-3.29e-03	-4721.09	0.0	-2288.89	2393.52	-37.27	346.93	506.11	-1.079e+04
		-1.079e+04	-1689.64	2.27e-04	0.0	42.5	-2288.89	32.97	-37.27	346.93	-591.77	4.077e+04
						85.0	-2288.89	-2327.57	-37.27	346.93	-1689.64	-7991.33

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
16	7	4.062e+04	558.85	-3.29e-03	-4701.27	0.0	-2133.17	2383.36	-38.40	345.96	558.85	-1.072e+04
		-1.072e+04	-1730.74	2.45e-04	0.0	42.5	-2133.17	32.73	-38.40	345.96	-585.94	4.062e+04
						85.0	-2133.17	-2317.90	-38.40	345.96	-1730.74	-7936.43
16	15	5.810e+04	1581.69	-5.04e-03	-4542.65	0.0	1.581e+05	2295.23	-14.29	141.71	1581.69	8823.17
		8823.17	769.68	-4.22e-05	0.0	42.5	1.581e+05	23.90	-14.29	141.71	1175.68	5.810e+04
						85.0	1.581e+05	-2247.42	-14.29	141.71	769.68	1.085e+04
16	16	4.910e+04	1484.25	-4.29e-03	-3494.35	0.0	1.586e+05	1763.55	-6.13	60.26	1484.25	1.127e+04
		1.127e+04	1139.26	-7.15e-05	0.0	42.5	1.586e+05	16.38	-6.13	60.26	1311.75	4.910e+04
						85.0	1.586e+05	-1730.80	-6.13	60.26	1139.26	1.266e+04
16	21	3.951e+04	-436.88	-2.05e-03	-4542.65	0.0	-2851.93	2322.42	-11.38	-867.46	-462.39	-1.100e+04
		-1.100e+04	-462.39	8.16e-03	0.0	42.5	-2851.93	51.10	-11.38	-867.46	-449.64	3.951e+04
						85.0	-2851.93	-2220.23	-11.38	-867.46	-436.88	-6524.41
16	51	3.993e+04	-393.43	-1.93e-03	-4621.96	0.0	-2453.55	2367.65	-11.35	-942.72	-419.86	-1.160e+04
		-1.160e+04	-419.86	-0.02	0.0	42.5	-2453.55	56.67	-11.35	-942.72	-406.64	3.993e+04
						85.0	-2453.55	-2254.31	-11.35	-942.72	-393.43	-6748.72
16	58	4.915e+04	1909.33	-3.40e-03	-3494.35	0.0	1.584e+05	1777.98	9.36	-714.83	929.99	1.070e+04
		1.070e+04	929.99	-9.83e-03	0.0	42.5	1.584e+05	30.80	9.36	-714.83	1419.66	4.915e+04
						85.0	1.584e+05	-1716.37	9.36	-714.83	1909.33	1.334e+04
16	69	4.100e+04	1755.97	-2.71e-03	-4701.27	0.0	-2345.06	2376.34	-55.56	1244.11	1755.97	-1.024e+04
		-1.024e+04	-1150.38	2.96e-03	0.0	42.5	-2345.06	25.71	-55.56	1244.11	302.79	4.100e+04
						85.0	-2345.06	-2324.92	-55.56	1244.11	-1150.38	-7655.22
16	81	5.111e+04	3113.10	-3.33e-03	-4542.65	0.0	9.362e+04	2287.01	-51.31	1723.13	3113.10	1849.00
		1849.00	788.48	4.61e-03	0.0	42.5	9.362e+04	15.69	-51.31	1723.13	1950.79	5.111e+04
						85.0	9.362e+04	-2255.64	-51.31	1723.13	788.48	3846.20
16	101	5.852e+04	2285.93	-5.17e-03	-4542.65	0.0	1.578e+05	2290.83	5.51	-902.12	2150.78	9241.37
		9241.37	2150.78	-3.11e-03	0.0	42.5	1.578e+05	19.50	5.51	-902.12	2218.36	5.852e+04
						85.0	1.578e+05	-2251.82	5.51	-902.12	2285.93	1.127e+04
16	108	3.109e+04	415.88	-2.52e-03	-3600.09	0.0	-1648.35	1825.21	-29.23	266.84	415.88	-8233.82
		-8233.82	-1318.08	1.84e-04	0.0	42.5	-1648.35	25.17	-29.23	266.84	-451.10	3.109e+04
						85.0	-1648.35	-1774.88	-29.23	266.84	-1318.08	-6094.89
16	112	4.274e+04	1097.76	-3.69e-03	-3494.35	0.0	1.052e+05	1766.46	-13.15	130.68	1097.76	4793.89
...												
19	226	-1688.55	-351.65	-1.65e-04	0.0	90.0	-1540.70	-1342.04	-1.32	215.58	82.80	-0.28
Trave		**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**		**N**	**V 2**	**V 3**	**T**		
		-1.160e+04	-5834.70	-0.02	-4721.09		-6358.37	-2327.57	-344.74	-1.260e+04		
		6.547e+04	9622.25	0.02	0.0		1.613e+05	2409.72	492.15	8509.53		

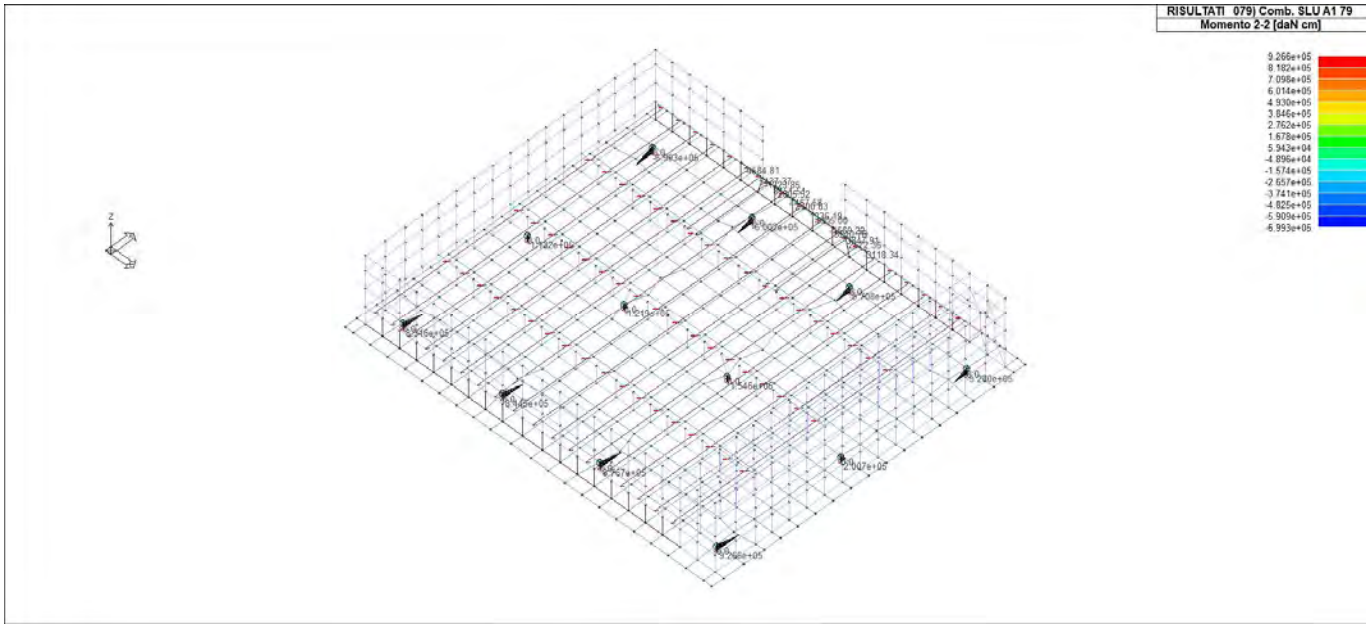


Figura 47 - RIS_M2_079_Comb SLU A1 79

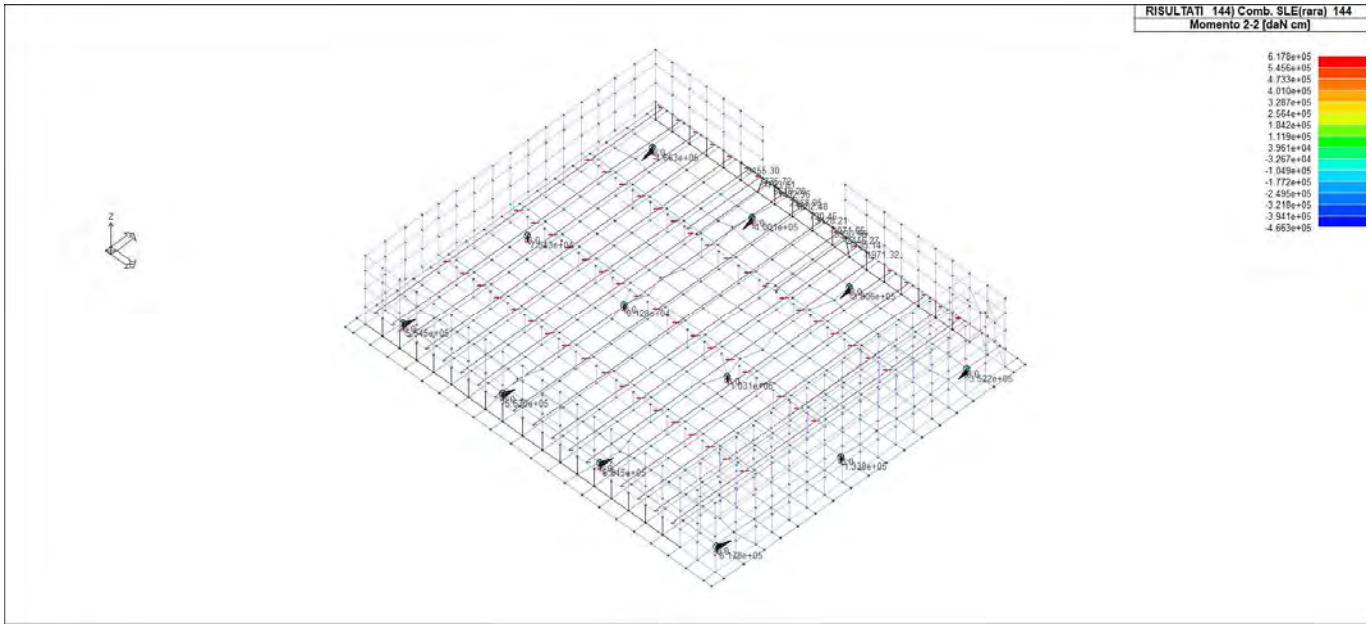


Figura 48 - RIS_M2_144_Comb SLErara 144

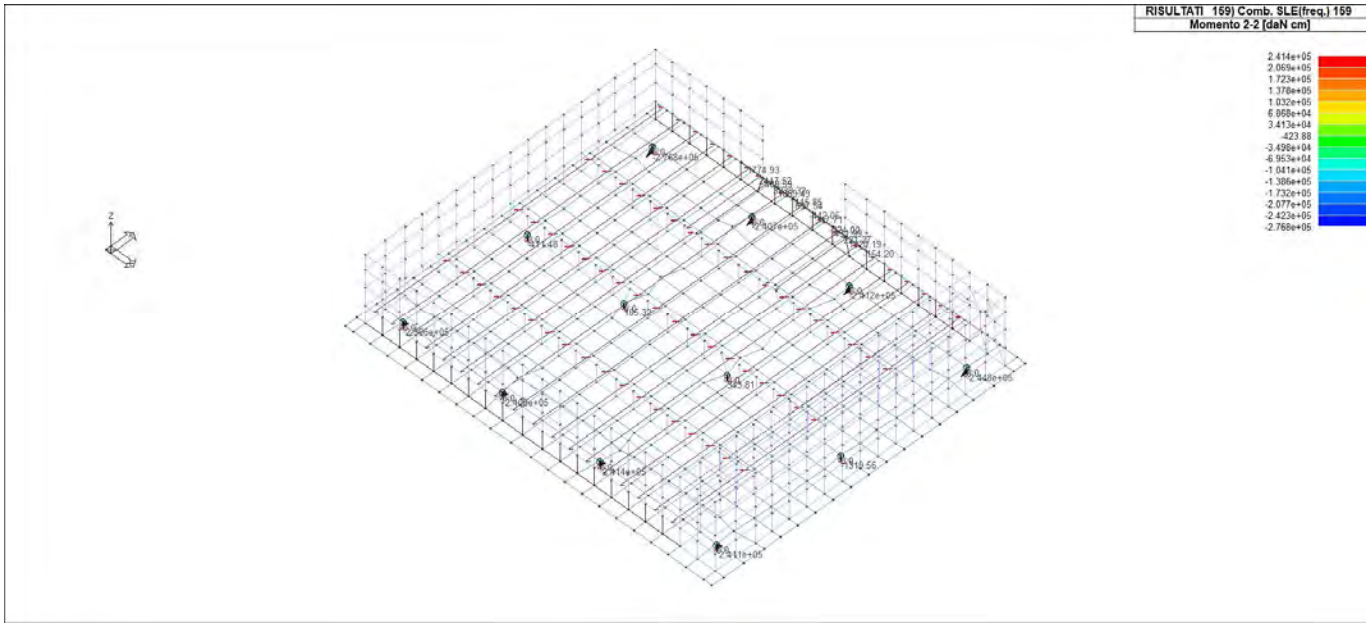


Figura 49 - RIS_M2_159_Comb SLEfreq 159

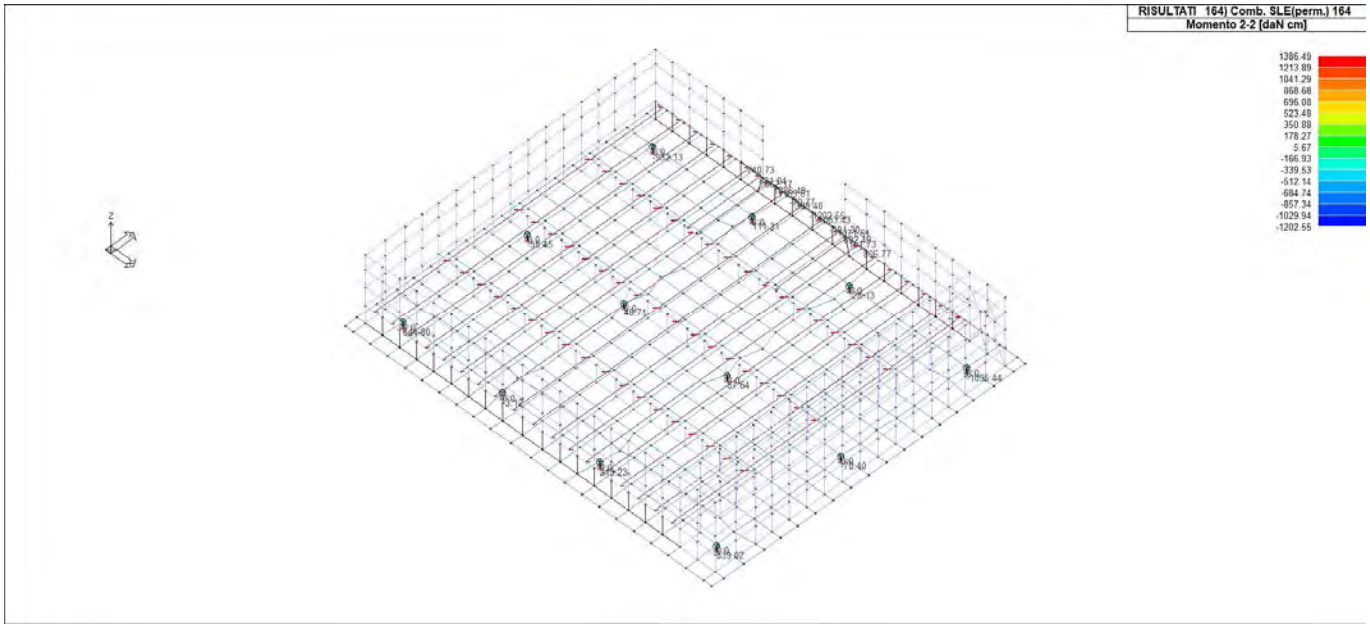


Figura 50 - RIS_M2_164_Comb SLEperm 164

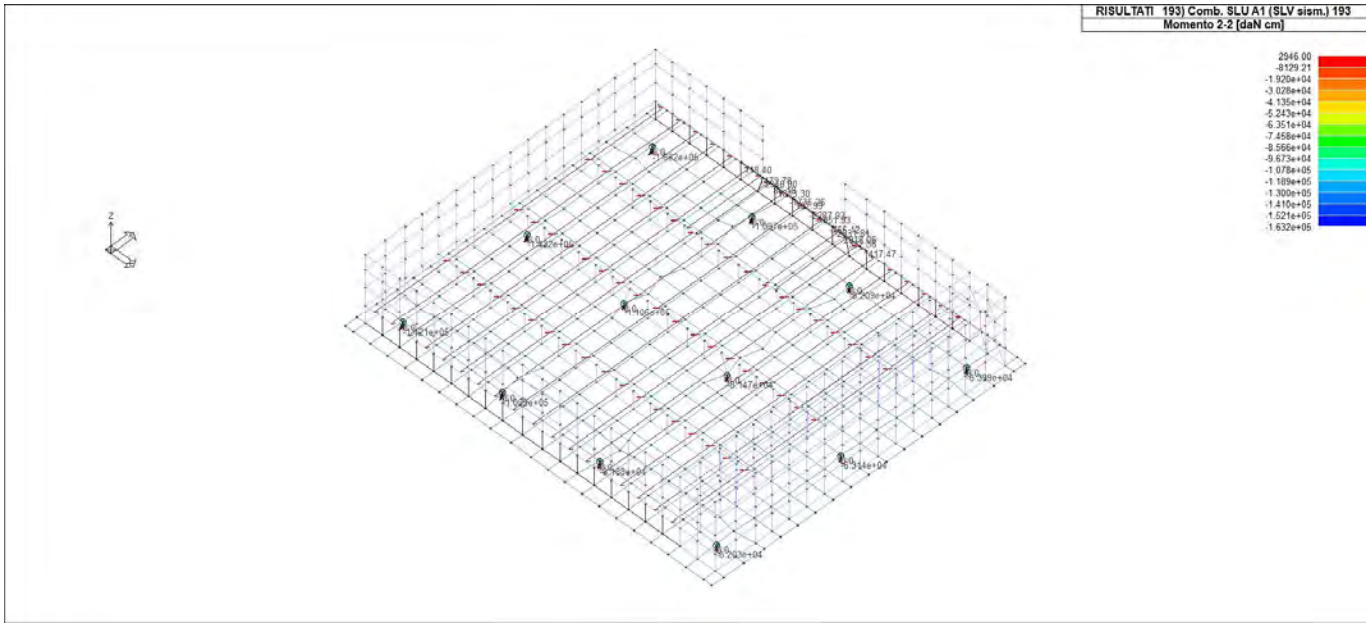


Figura 51 - RIS_M2_193_Comb SLU A1 SLV sism 193

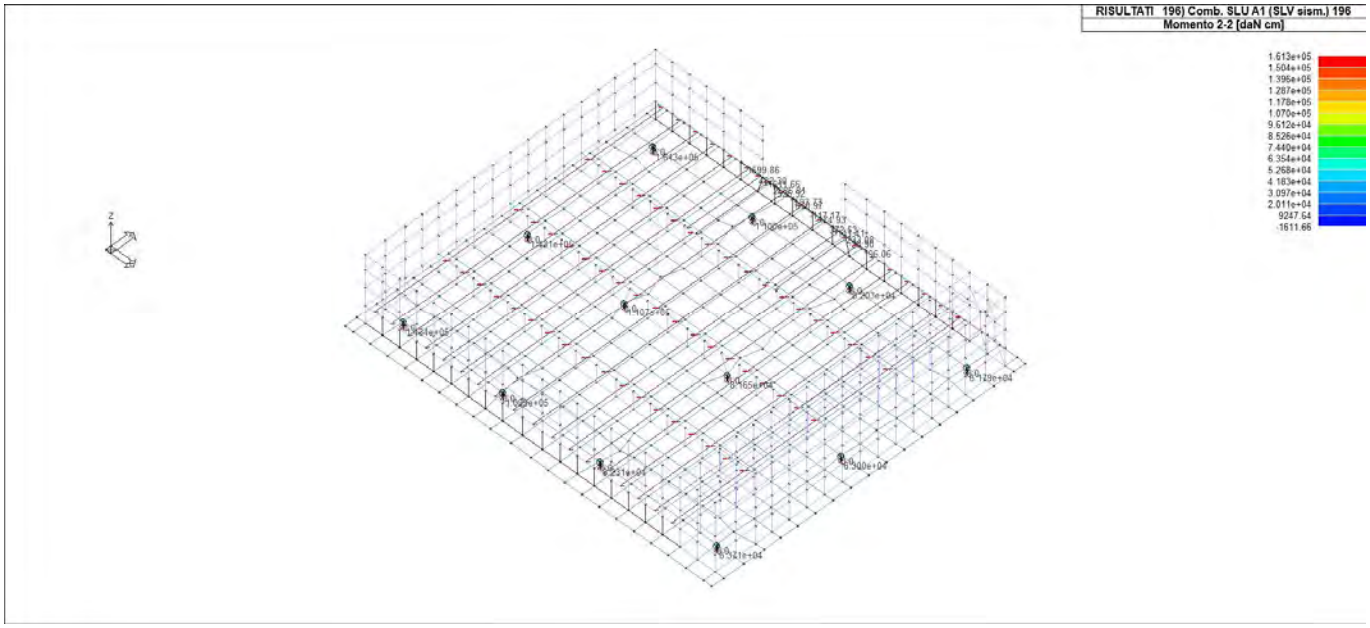


Figura 52 - RIS_M2_196_Comb SLU A1 SLV sism 196

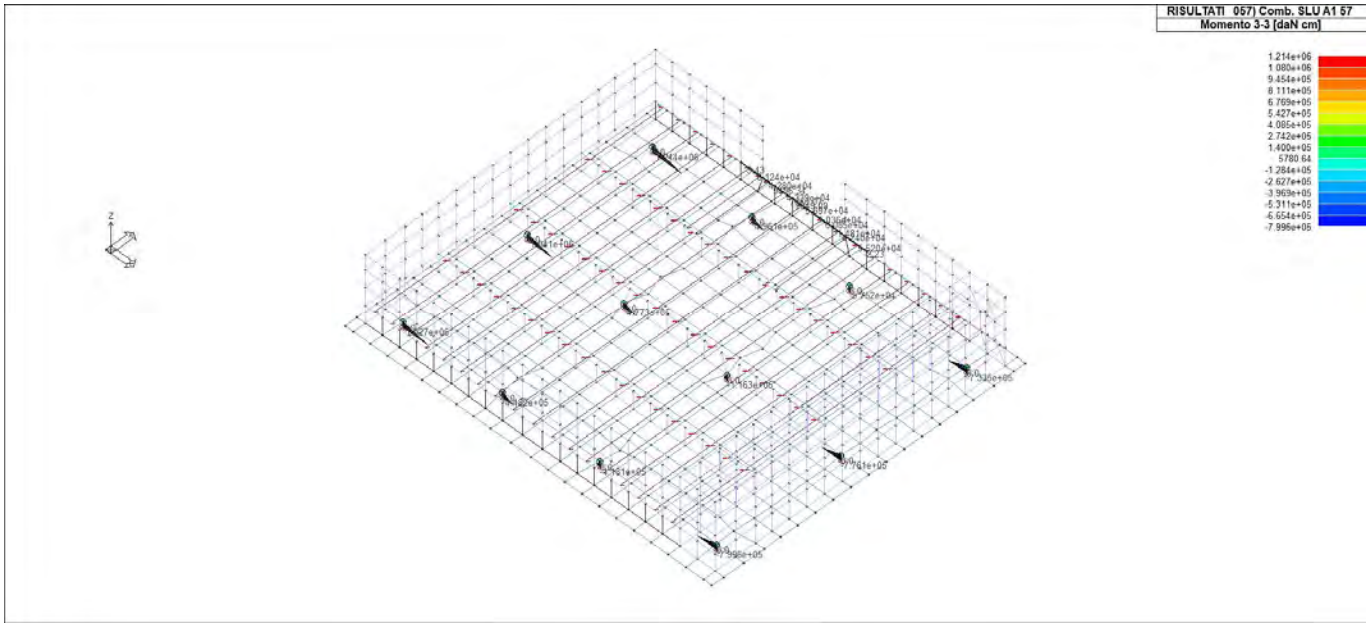


Figura 53 - RIS_M3_057_Comb SLU A1 57

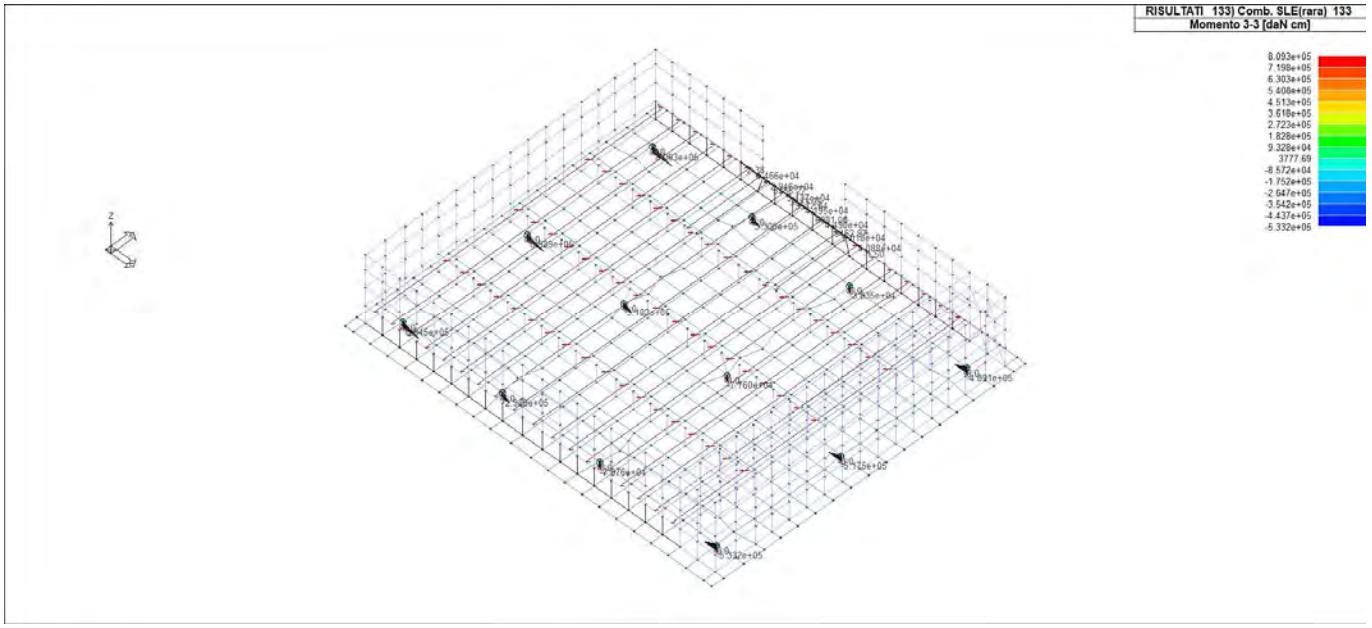


Figura 54 - RIS_M3_133_Comb SLErara 133

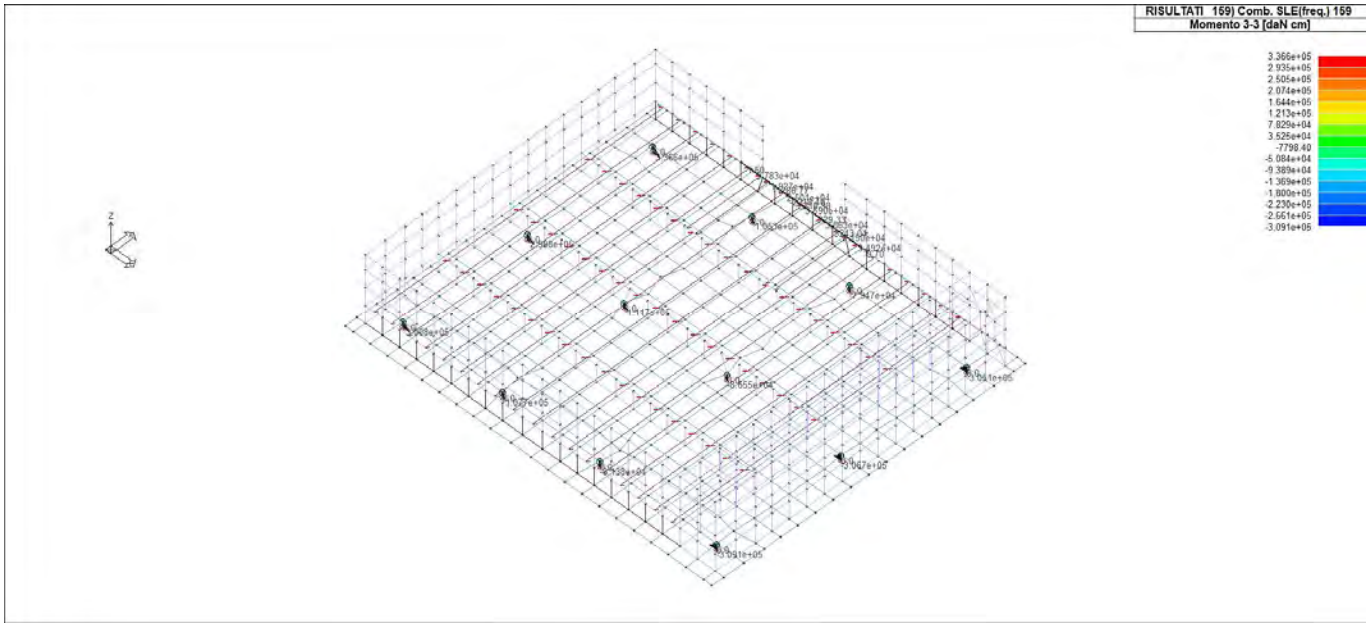


Figura 55 - RIS_M3_159_Comb SLEfreq 159

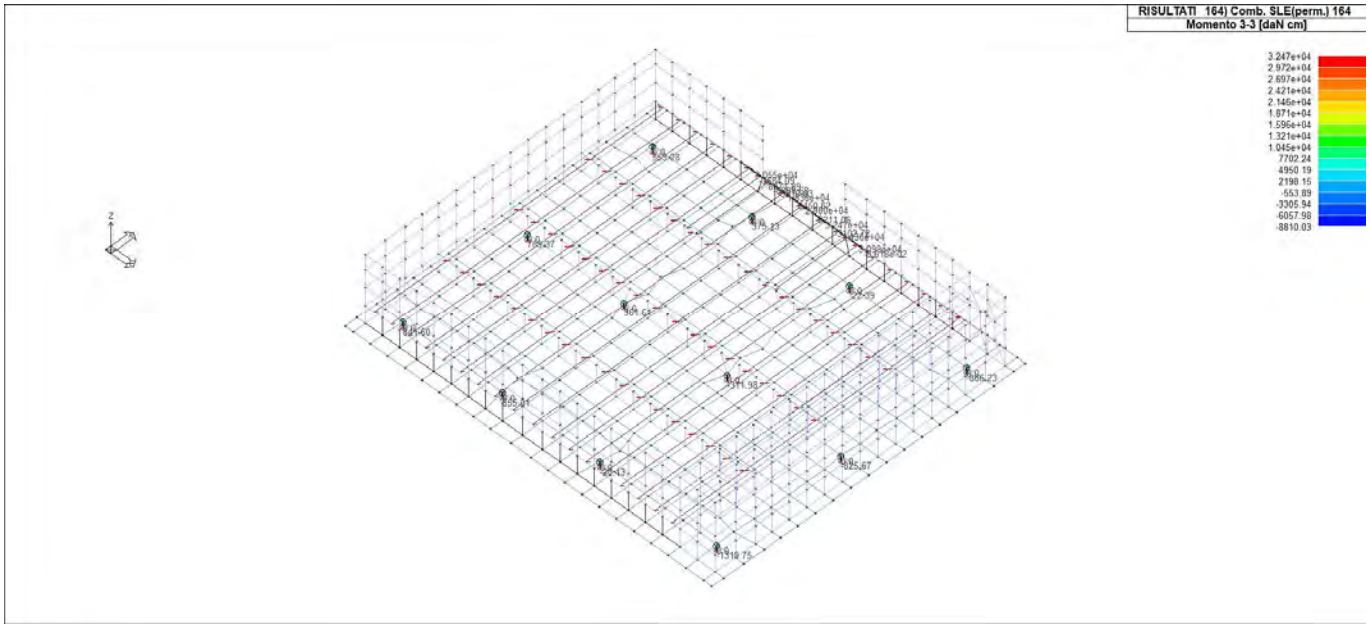


Figura 56 - RIS_M3_164_Comb SLEperm 164

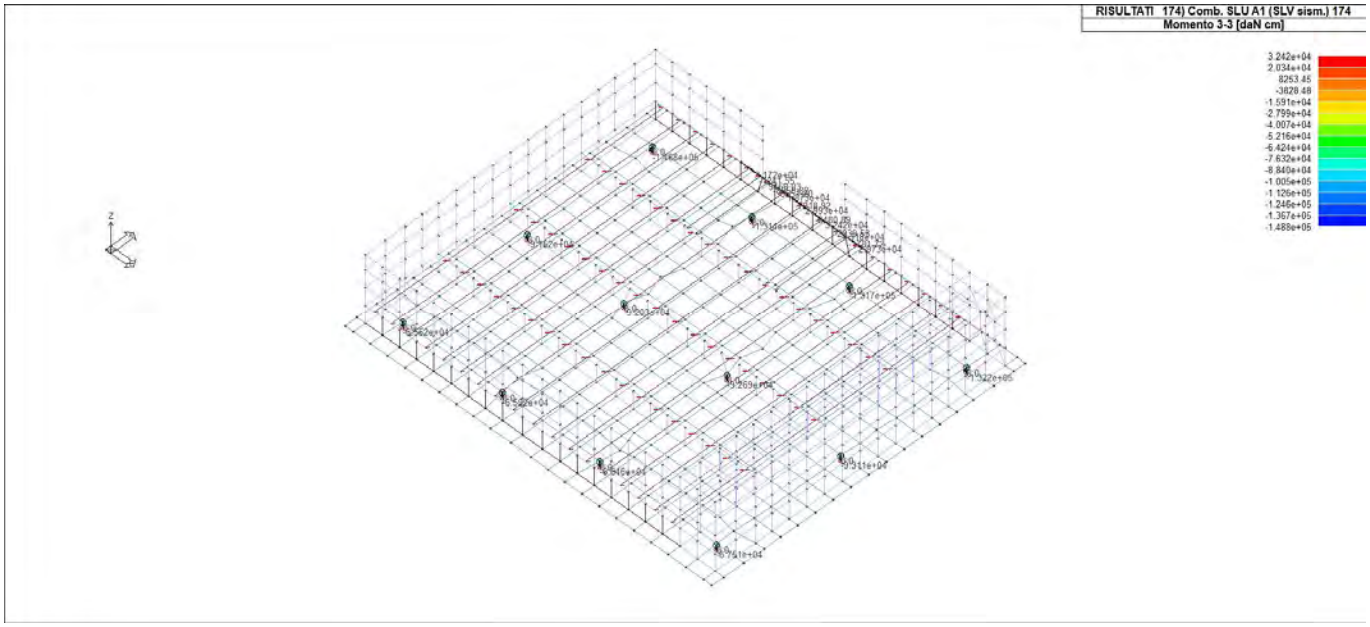


Figura 57 - RIS_M3_174_Comb SLU A1 SLV sism 174

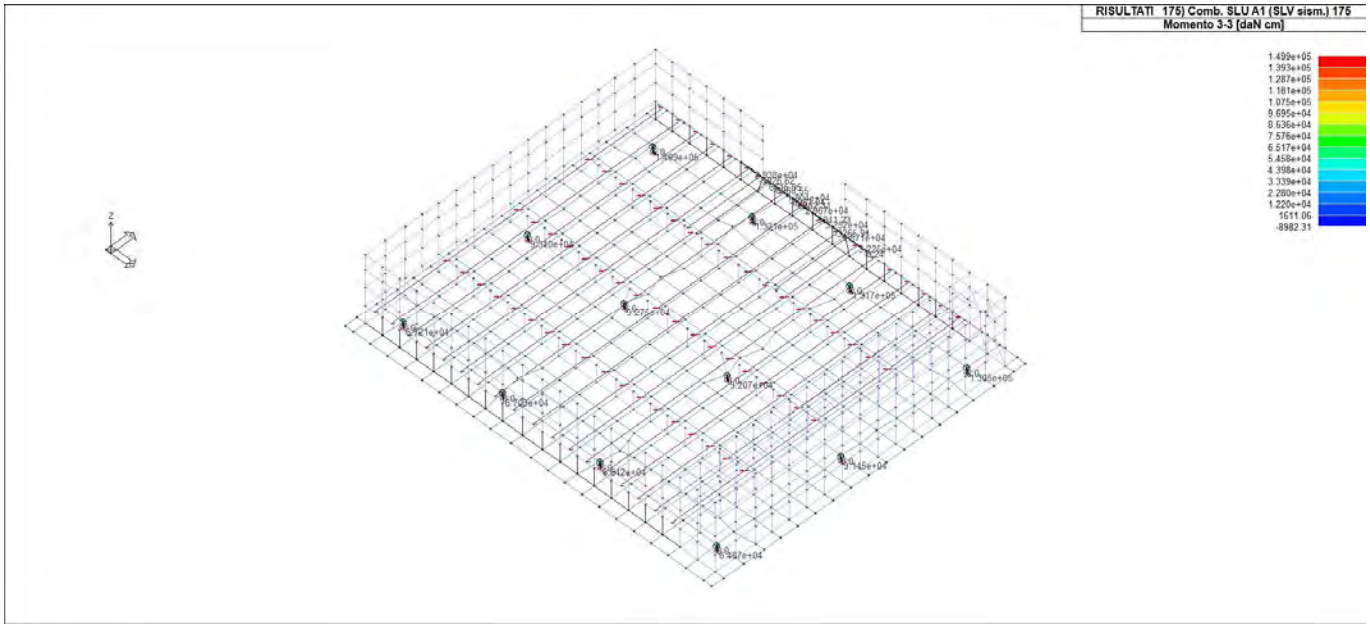


Figura 58 - RIS_M3_175_Comb SLU A1 SLV sism 175

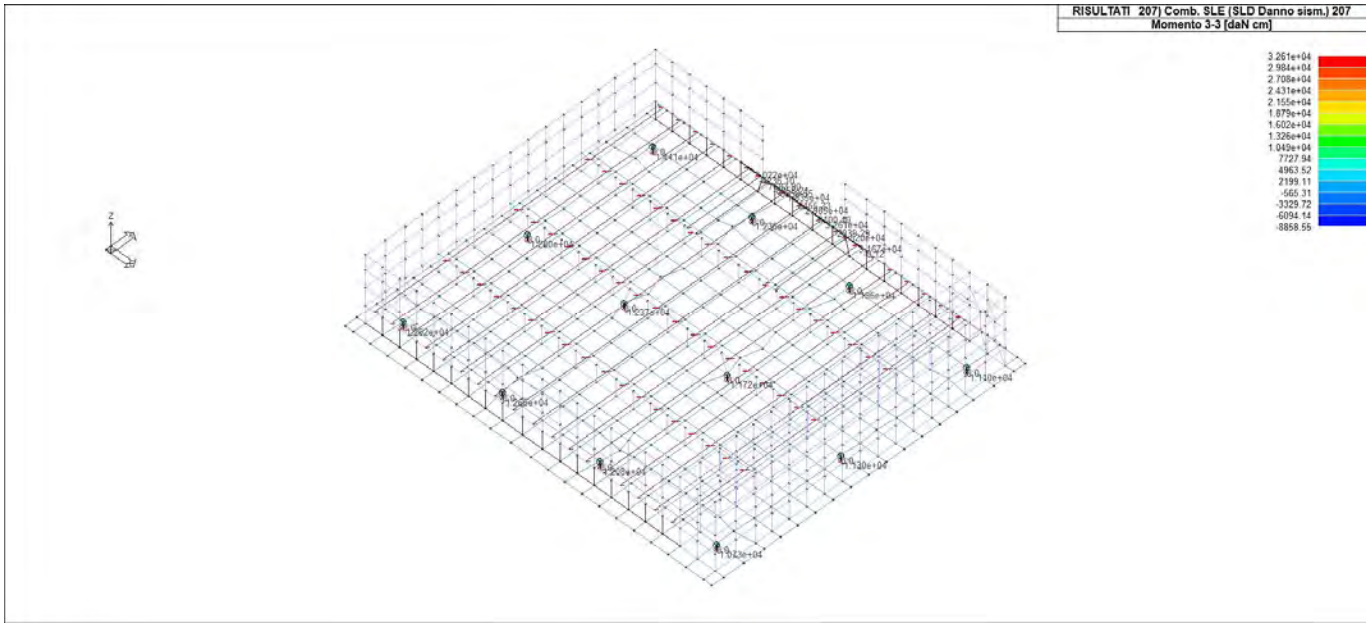


Figura 59 - RIS_M3_207_Comb SLE SLD Danno sism 207

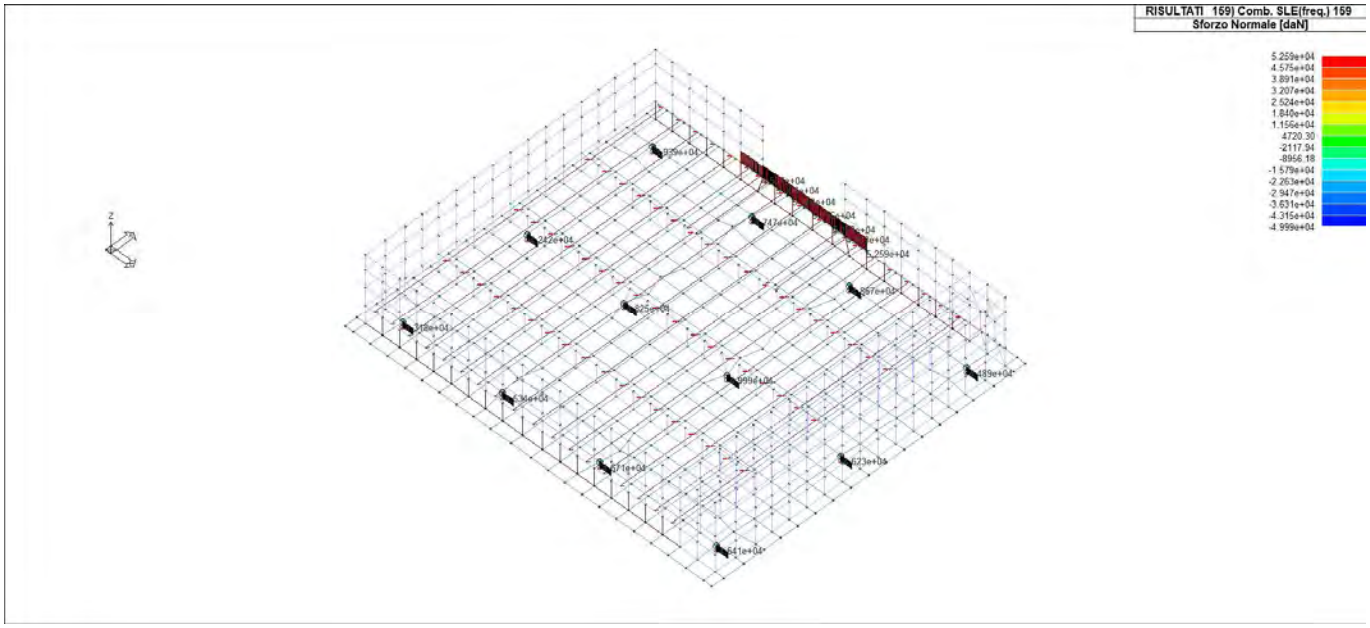


Figura 60 - RIS_N_159_Comb SLEfreq 159

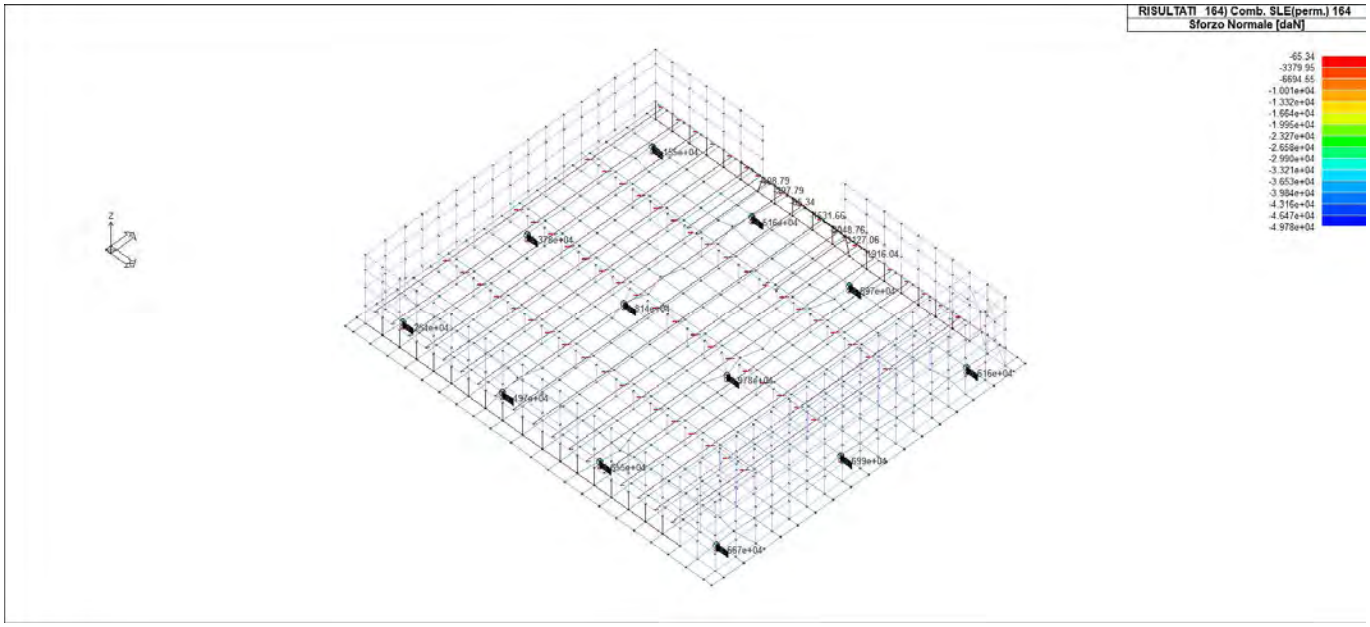


Figura 61 - RIS_N_164_Comb SLEperm 164

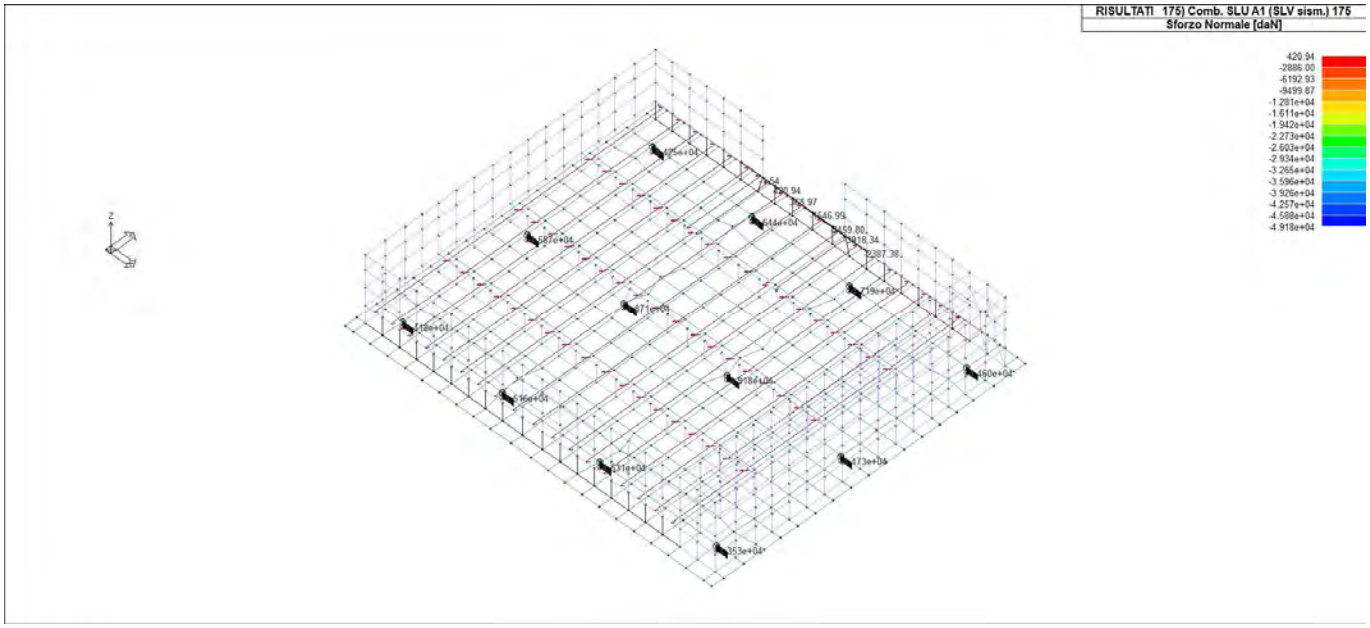


Figura 62 - RIS_N_175_Comb SLU A1 SLV sism 175

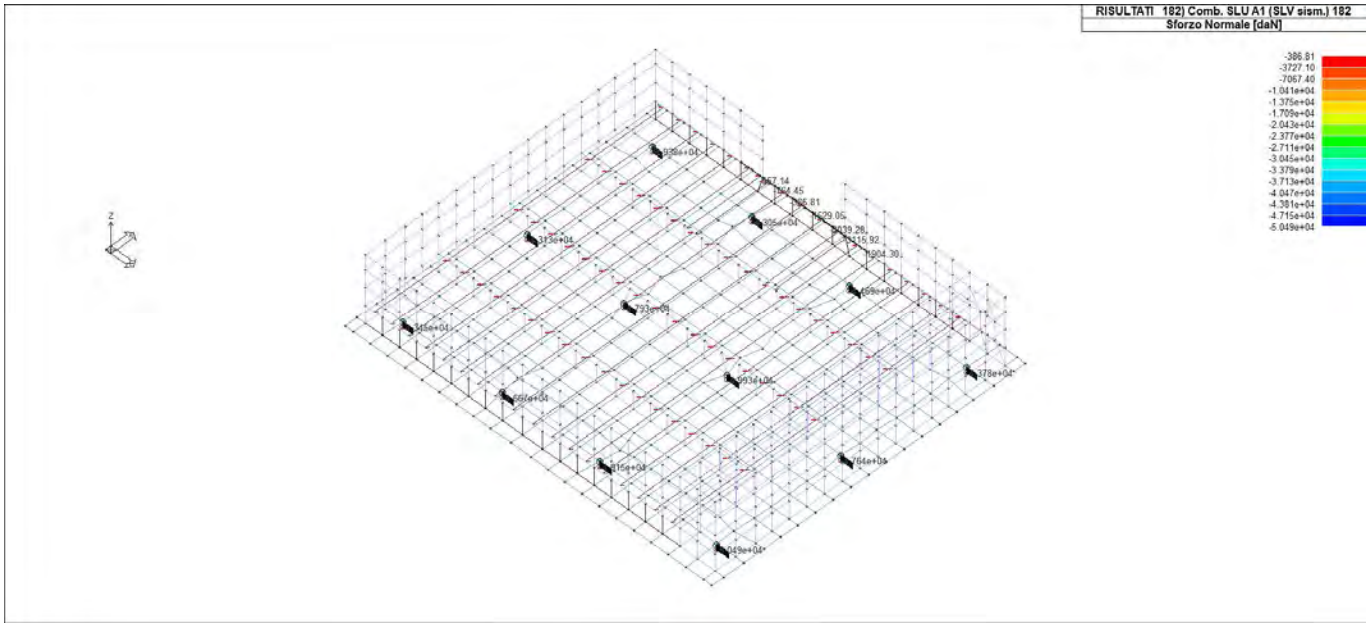
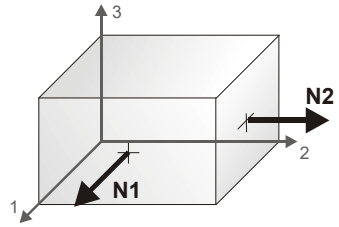
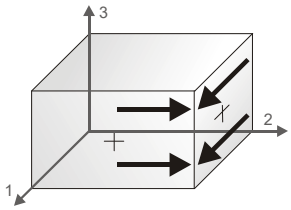
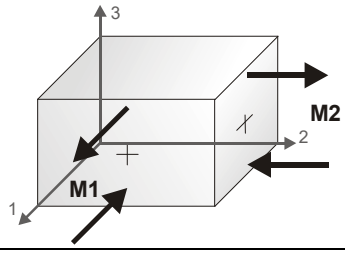
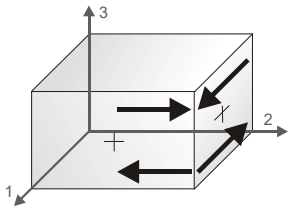
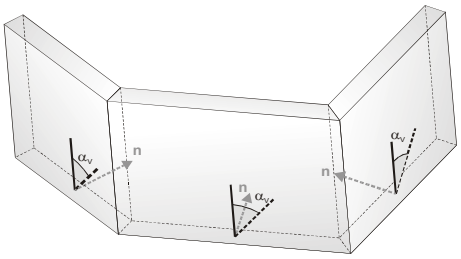
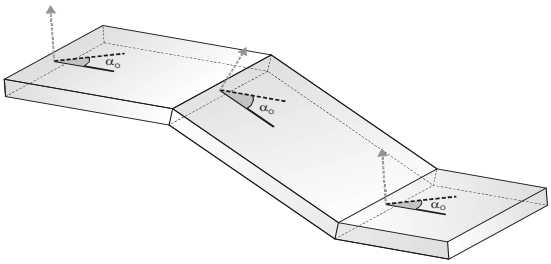


Figura 63 - RIS_N_182_Comb SLU A1 SLV sism 182

18 RISULTATI ELEMENTI TIPO SHELL

18.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.
Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.

<table>
<tr>
<td> 
</td>
<td>Azione N</td>
<td> 
</td>
<td>Azione N 1-2</td>
</tr>
<tr>
<td> 
</td>
<td>Azione M</td>
<td> 
</td>
<td>Azione M 1-2</td>
</tr>
<tr>
<td>orientamento per stampa setti
  </td>
<td colspan="2">orientamento per stampa gusci
  </td>
</tr>
</table>

In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	**N2**	sforzi membranali e flessionali in direzione locale 1 e 2
N1-2	**M1**	dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la
M2	**M1-2**	reciprocità delle tensioni tangenziali)

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.
In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.
I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_O attorno all'asse Z per i gusci e ruotata di α_V attorno alla normale (che per definizione è orizzontale) al

piano del setto.
Per i setti, in particolare, se α_V è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-Z (gradi)
3	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
3	15	-50.00	-8191.52	-2432.11	-938.63	-1368.36	3.799e+04	3975.08
3	15	25.00	-7185.21	-4047.64	-580.94	-1.230e+05	9675.68	6690.00
3	15	27.50	-1.596e+04	2810.42	-1203.78	-2.941e+06	9.856e+04	-1.383e+05
3	15	102.50	-1.162e+04	4976.45	-1007.67	-1.501e+06	3.628e+04	-7.252e+04
3	15	107.50	-6632.72	7503.32	-535.43	-1.250e+06	3.640e+04	-8.137e+04
3	15	180.00	-6770.54	4540.15	-431.43	-6.021e+05	4517.72	-5.002e+04
3	15	242.50	-2406.11	3029.22	207.84	-1.367e+05	1.033e+04	-3.018e+04
3	16	-50.00	-6047.52	-3479.87	-716.32	-7034.98	2.695e+04	2819.63
3	16	25.00	-5520.71	-4982.11	-508.83	-1.437e+05	8533.61	6256.20
3	16	27.50	-1.325e+04	2768.60	-1138.03	-3.038e+06	9.696e+04	-1.371e+05
3	16	102.50	-8858.13	5331.90	-987.88	-1.447e+06	3.576e+04	-7.098e+04
3	16	107.50	-5070.36	8229.83	-526.39	-1.262e+06	3.560e+04	-8.019e+04
3	16	180.00	-5231.28	4866.98	-429.40	-6.147e+05	4157.81	-4.904e+04
3	16	242.50	-1801.80	3317.40	179.33	-9.945e+04	8590.52	-2.956e+04
3	51	-50.00	-8041.94	3173.26	-788.61	3.773e+04	4.030e+04	-922.60
3	51	25.00	-5870.08	3190.35	-7.52	1.152e+05	-1667.29	-6770.09
3	51	27.50	-1.304e+04	-1.117e+04	-104.65	1.622e+06	5656.45	-4.328e+04
3	51	102.50	-1.387e+04	-1.255e+04	-34.12	7.769e+05	5895.14	-4.323e+04
3	51	107.50	-8217.94	-1.183e+04	10.08	4.490e+05	1585.40	-4.415e+04
3	51	180.00	-7791.74	-9632.95	127.19	5.316e+05	2585.20	-4.370e+04
3	51	242.50	-3232.96	-6573.51	139.25	-9.102e+04	1.018e+04	-4.035e+04
3	57	-50.00	-7413.45	-3070.46	-818.29	6343.02	3.283e+04	483.77
3	57	25.00	-6298.78	-4574.01	-418.72	-1.060e+05	6026.47	1564.40
3	57	27.50	-1.672e+04	-4015.57	-1093.94	-2.215e+06	9.791e+04	-1.604e+05
3	57	102.50	-1.273e+04	-1617.62	-975.68	-8.882e+05	3.863e+04	-9.418e+04
3	57	107.50	-7473.77	2325.74	-506.09	-1.010e+06	3.534e+04	-1.045e+05
3	57	180.00	-7426.78	-382.30	-350.16	-3.141e+05	5192.94	-7.361e+04
3	57	242.50	-2768.00	-160.33	213.85	-9.313e+04	1.177e+04	-5.273e+04
3	82	-50.00	-5517.65	-1575.73	-857.09	-1.712e+04	2.611e+04	8268.02
3	82	25.00	-4641.43	-2573.67	-457.06	-6.697e+04	5374.57	1.140e+04
3	82	27.50	-9694.25	3928.45	-1666.32	-2.082e+06	1.254e+05	2.608e+04
3	82	102.50	-7426.73	5414.31	-1592.42	-1.353e+06	9.170e+04	9.519e+04
3	82	107.50	-4310.78	6776.22	-772.70	-9.422e+05	3.627e+04	1.071e+05
3	82	180.00	-4008.34	4713.67	-655.56	-4.685e+05	2.136e+04	1.287e+05

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
3	82	242.50	-1373.90	3200.73	60.89	-1.202e+05	7274.11	1.270e+05
3	130	-50.00	-6314.18	2581.18	-624.54	2.767e+04	3.177e+04	-101.53
3	130	25.00	-4653.16	2542.22	-37.06	8.601e+04	-603.94	-4320.59
3	130	27.50	-9898.00	-7430.58	-98.99	1.124e+06	4479.63	-2.941e+04
3	130	102.50	-1.047e+04	-8522.48	-31.54	4.936e+05	4162.32	-2.950e+04
3	130	107.50	-6173.01	-8207.03	2.70	3.050e+05	1415.35	-2.996e+04
3	130	180.00	-5878.61	-6567.22	83.89	3.600e+05	1883.43	-2.956e+04
3	130	242.50	-2423.89	-4510.42	105.50	-7.724e+04	7561.87	-2.717e+04
3	133	-50.00	-5895.19	-1581.30	-644.33	6747.18	2.679e+04	836.05
3	133	25.00	-4938.96	-2634.02	-311.20	-6.145e+04	4525.23	1235.73
3	133	27.50	-1.235e+04	-2658.46	-758.52	-1.434e+06	6.598e+04	-1.075e+05
3	133	102.50	-9715.56	-1236.39	-659.25	-6.165e+05	2.599e+04	-6.346e+04
3	133	107.50	-5676.89	1227.60	-341.41	-6.675e+05	2.392e+04	-7.018e+04
3	133	180.00	-5635.30	-400.12	-234.34	-2.038e+05	3621.92	-4.951e+04
3	133	242.50	-2113.92	-234.97	155.24	-7.865e+04	8621.57	-3.543e+04
3	145	-50.00	-6060.66	113.69	-818.41	-5117.64	2.967e+04	6795.85
3	145	25.00	-4943.73	-677.48	-384.83	-2.164e+04	4852.01	8079.44
3	145	27.50	-9471.00	2665.43	-1183.94	-1.281e+06	8.534e+04	1.600e+04
3	145	102.50	-8016.55	3214.59	-1083.61	-9.630e+05	6.171e+04	6.176e+04
3	145	107.50	-4609.81	3710.24	-525.18	-6.140e+05	2.508e+04	7.009e+04
3	145	180.00	-4382.52	2779.31	-439.29	-2.983e+05	1.464e+04	8.473e+04
3	145	242.50	-1587.39	1813.62	72.26	-1.215e+05	6781.27	8.397e+04
3	159	-50.00	-6780.29	1168.40	-732.80	1.025e+04	3.351e+04	3507.54
3	159	25.00	-5539.12	415.90	-329.87	-1889.85	5382.48	3049.40
3	159	27.50	-1.043e+04	1015.79	-525.46	-7.981e+05	3.586e+04	-4.845e+04
3	159	102.50	-9083.50	987.40	-373.28	-6.038e+05	1.308e+04	-2.706e+04
3	159	107.50	-5162.03	1128.80	-195.56	-3.926e+05	1.366e+04	-2.937e+04
3	159	180.00	-5164.34	896.05	-147.64	-1.769e+05	2185.75	-1.852e+04
3	159	242.50	-1943.52	465.40	123.12	-1.160e+05	6727.24	-1.123e+04
3	161	-50.00	-6973.77	3350.68	-714.30	2.060e+04	3.565e+04	3075.65
3	161	25.00	-5351.34	2997.93	-204.33	7.281e+04	2995.98	306.98
3	161	27.50	-9192.84	-1377.50	-194.77	4.830e+05	5170.16	-9053.96
3	161	102.50	-9444.43	-2650.20	-58.87	-4.611e+04	2263.44	-9917.42
3	161	107.50	-5394.76	-3572.30	-23.63	9.568e+04	2452.39	-9089.92
3	161	180.00	-5276.70	-2183.30	11.31	1.059e+05	1349.77	-8497.91
3	161	242.50	-2094.80	-1669.39	96.36	-1.145e+05	6116.49	-7077.43
3	164	-50.00	-7146.67	3492.54	-741.04	1.889e+04	3.679e+04	3851.50
3	164	25.00	-5548.33	3114.90	-240.39	6.902e+04	3806.91	1446.01
3	164	27.50	-9024.50	139.39	-219.18	3.217e+05	5314.99	-4149.46
3	164	102.50	-9196.18	-1184.85	-65.98	-1.824e+05	1741.64	-5104.12
3	164	107.50	-5207.86	-2421.72	-30.15	4.233e+04	2688.16	-3955.50
3	164	180.00	-5130.87	-1089.42	-6.75	4.195e+04	1199.72	-3255.31
3	164	242.50	-2014.38	-960.60	95.02	-1.242e+05	5795.59	-2067.99
3	174	-50.00	-7532.05	3804.04	-834.06	1.144e+04	3.959e+04	6684.72
3	174	25.00	-6013.34	3360.03	-351.83	5.693e+04	6026.33	5589.31
3	174	27.50	-8310.20	4827.18	-395.19	-1.922e+05	1.338e+04	2.287e+04
3	174	102.50	-8285.72	3408.24	-200.45	-6.263e+05	8376.43	2.516e+04
3	174	107.50	-4568.34	1260.57	-101.02	-1.365e+05	4989.79	2.924e+04
3	174	180.00	-4568.22	2362.88	-105.14	-1.581e+05	2910.53	3.060e+04
3	174	242.50	-1720.27	1292.52	81.43	-1.536e+05	4851.72	2.950e+04
3	175	-50.00	-6761.30	3181.03	-648.02	2.634e+04	3.400e+04	1018.27
3	175	25.00	-5083.32	2869.78	-128.94	8.111e+04	1587.50	-2697.30
3	175	27.50	-9738.80	-4548.40	-43.17	8.356e+05	-2745.99	-3.117e+04
3	175	102.50	-1.011e+04	-5777.95	68.49	2.615e+05	-4893.15	-3.537e+04
3	175	107.50	-5847.39	-6104.02	40.72	2.212e+05	386.53	-3.715e+04
3	175	180.00	-5693.53	-4541.72	91.63	2.420e+05	-511.09	-3.711e+04
3	175	242.50	-2308.49	-3213.72	108.61	-9.484e+04	6739.46	-3.364e+04
3	187	-50.00	-7367.96	3704.89	-665.55	2.838e+04	3.759e+04	1223.58
3	187	25.00	-5718.43	3329.20	-186.79	7.565e+04	3553.59	-2300.41
3	187	27.50	-9894.84	-2056.04	152.15	6.115e+05	-2.022e+04	-5.113e+04
3	187	102.50	-1.002e+04	-3517.59	319.21	9.461e+04	-2.490e+04	-6.368e+04
3	187	107.50	-5686.10	-4517.49	148.68	1.667e+05	-2917.74	-6.945e+04
3	187	180.00	-5711.80	-2912.33	162.86	1.436e+05	-5816.14	-6.989e+04
3	187	242.50	-2283.20	-2201.63	128.98	-1.119e+05	6149.58	-6.311e+04
3	211	-50.00	-7001.84	3695.52	-699.80	2.286e+04	3.574e+04	3063.40
3	211	25.00	-5418.14	3259.64	-225.11	7.939e+04	4044.50	-750.51
3	211	27.50	-9208.74	-781.40	4.15	5.177e+05	-1.847e+04	-1.865e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
3	211	102.50	-9423.50	-2138.89	145.07	-9.872e+04	-4631.20	-2.350e+04
3	211	107.50	-5434.00	-3453.40	31.43	1.195e+05	-3599.25	-2.318e+04
3	211	180.00	-5241.95	-1849.86	71.25	7.428e+04	919.88	-2.542e+04
3	211	242.50	-2019.70	-1542.02	75.84	-1.242e+05	4245.52	-1.546e+04
3	212	-50.00	-7010.94	3661.62	-683.94	2.244e+04	3.565e+04	3345.57
3	212	25.00	-5435.19	3241.17	-245.58	7.831e+04	3748.41	121.69
3	212	27.50	-9307.10	-887.25	-366.97	5.115e+05	2.641e+04	1518.10
3	212	102.50	-9471.48	-2218.52	-218.23	-1.020e+05	8577.04	1.016e+04
3	212	107.50	-5478.49	-3521.68	-66.44	1.167e+05	9029.05	1.073e+04
3	212	180.00	-5258.17	-1912.13	-79.31	7.298e+04	2669.33	1.060e+04
3	212	242.50	-1997.07	-1492.16	36.07	-1.199e+05	5597.30	6314.05
3	227	-50.00	-7089.42	3604.85	-752.73	2.072e+04	3.661e+04	3187.10
3	227	25.00	-5483.41	3186.33	-204.76	7.377e+04	4327.26	-535.79
3	227	27.50	-8930.59	23.68	410.67	3.899e+05	-6.989e+04	-3.909e+04
3	227	102.50	-9191.61	-1350.29	548.34	-1.523e+05	-2.020e+04	-6.168e+04
3	227	107.50	-5208.23	-2627.66	136.77	6.985e+04	-1.835e+04	-6.115e+04
3	227	180.00	-5139.58	-1223.11	245.00	5.363e+04	-1537.56	-6.453e+04
3	227	242.50	-2050.30	-1210.65	149.60	-1.307e+05	3280.38	-3.911e+04
3	228	-50.00	-7119.76	3491.85	-699.85	1.932e+04	3.632e+04	4127.69
3	228	25.00	-5540.25	3124.78	-272.99	7.017e+04	3340.29	2371.55
3	228	27.50	-9258.46	-329.13	-826.37	3.692e+05	7.971e+04	2.814e+04
3	228	102.50	-9351.54	-1615.73	-662.67	-1.632e+05	2.382e+04	5.053e+04
3	228	107.50	-5356.53	-2855.27	-189.49	6.028e+04	2.374e+04	5.188e+04
3	228	180.00	-5193.67	-1430.68	-256.88	4.929e+04	4293.93	5.552e+04
3	228	242.50	-1974.86	-1044.44	17.00	-1.164e+05	7786.29	3.347e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1.672e+04	-1.255e+04	-1666.32	-3.038e+06	-6.989e+04	-1.604e+05
			-1373.90	8229.83	548.34	1.622e+06	1.254e+05	1.287e+05

Macro	Tipo	Angolo 1-Z (gradi)
4	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
4	4	-50.00	-5.319e+04	-7430.88	-123.49	4.600e+06	2.496e+04	5179.83
4	4	25.00	-5.649e+04	-7154.64	-123.49	2.367e+06	1.299e+04	1671.31
4	11	-50.00	-7.123e+04	-1.555e+04	-387.20	6.863e+06	1.202e+05	4.660e+04
4	11	25.00	-7.596e+04	-1.467e+04	-387.20	3.329e+06	5.077e+04	6.336e+04
4	15	-50.00	-7.068e+04	-1.884e+04	-443.86	7.221e+06	1.647e+05	7.186e+04
4	15	25.00	-7.551e+04	-1.755e+04	-443.86	3.374e+06	6.660e+04	1.025e+05
4	35	-50.00	-7.350e+04	-4.626e+04	619.61	9.037e+06	8.528e+04	1.117e+05
4	35	25.00	-7.833e+04	-4.497e+04	619.61	5.190e+06	-1.148e+04	1.517e+05
4	37	-50.00	-7.477e+04	-6.087e+04	1441.92	9.751e+06	-2.060e+04	1.123e+05
4	37	25.00	-7.938e+04	-5.995e+04	1441.92	6.282e+06	-8.343e+04	1.443e+05
4	42	-50.00	-5.520e+04	-2.353e+04	828.52	5.551e+06	-4.038e+04	1.524e+04
4	42	25.00	-5.850e+04	-2.326e+04	828.52	3.318e+06	-5.116e+04	-1603.18
4	106	-50.00	-5.319e+04	-7430.88	-123.49	4.600e+06	2.496e+04	5179.83
4	106	25.00	-5.649e+04	-7154.64	-123.49	2.367e+06	1.299e+04	1671.31
4	122	-50.00	-5.609e+04	-3.183e+04	396.61	6.638e+06	6.018e+04	7.519e+04
4	122	25.00	-5.975e+04	-3.093e+04	396.61	3.776e+06	-5924.59	1.013e+05
4	123	-50.00	-5.694e+04	-4.157e+04	944.81	7.114e+06	-1.041e+04	7.555e+04
4	123	25.00	-6.045e+04	-4.092e+04	944.81	4.503e+06	-5.389e+04	9.644e+04
4	157	-50.00	-5.319e+04	-7430.88	-123.49	4.600e+06	2.496e+04	5179.83
4	157	25.00	-5.649e+04	-7154.64	-123.49	2.367e+06	1.299e+04	1671.31
4	159	-50.00	-5.370e+04	-1.049e+04	-217.93	5.014e+06	6.905e+04	2.689e+04
4	159	25.00	-5.718e+04	-9903.44	-217.93	2.466e+06	2.956e+04	3.512e+04
4	160	-50.00	-5.382e+04	-1.352e+04	112.84	5.003e+06	7302.90	1.404e+04
4	160	25.00	-5.711e+04	-1.325e+04	112.84	2.771e+06	-4366.26	1.260e+04
4	164	-50.00	-5.319e+04	-7430.88	-123.49	4.600e+06	2.496e+04	5179.83
4	164	25.00	-5.649e+04	-7154.64	-123.49	2.367e+06	1.299e+04	1671.31
4	165	-50.00	-5.090e+04	1.132e+04	1568.88	3.422e+06	-6.325e+04	-1.013e+04
4	165	25.00	-5.419e+04	1.160e+04	1568.88	1.190e+06	-7.589e+04	-1.961e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
4	168	-50.00	-5.549e+04	-2.618e+04	-1815.85	5.777e+06	1.132e+05	2.049e+04
4	168	25.00	-5.878e+04	-2.591e+04	-1815.85	3.545e+06	1.019e+05	2.295e+04
4	183	-50.00	-5.218e+04	-9535.15	8007.49	4.882e+06	-4.548e+05	4.631e+04
4	183	25.00	-5.547e+04	-9258.91	8007.49	2.649e+06	-4.658e+05	4.433e+04
4	207	-50.00	-5.340e+04	-9288.25	-1174.83	4.797e+06	1.863e+05	5993.13
4	207	25.00	-5.675e+04	-9096.08	-1174.83	2.414e+06	9.212e+04	1330.40
4	215	-50.00	-5.230e+04	-7080.41	-4077.16	4.481e+06	6.198e+05	6567.05
4	215	25.00	-5.590e+04	-6700.78	-4077.16	2.325e+06	3.068e+05	4640.10
4	220	-50.00	-5.403e+04	-7952.54	3775.77	4.698e+06	-5.630e+05	4219.88
4	220	25.00	-5.707e+04	-7783.67	3775.77	2.384e+06	-2.772e+05	-613.53
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-7.938e+04	-6.087e+04	-4077.16	1.190e+06	-5.630e+05	-1.961e+04
			-5.090e+04	1.160e+04	8007.49	9.751e+06	6.198e+05	1.517e+05

Macro	Tipo	Angolo 1-Z (gradi)
5	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
5	4	-50.00	-8027.57	3899.25	565.29	1.532e+04	-4.214e+04	-3339.87
5	4	25.00	-6294.57	4742.54	565.29	1.821e+04	-2588.10	-87.47
5	4	102.50	-2.009e+04	-2199.45	-26.75	-5.370e+05	9319.15	-2616.88
5	4	180.00	-1.200e+04	-2175.22	-138.97	-6.193e+05	-1360.71	-1646.21
5	4	242.50	-3996.56	-1843.17	-139.18	-3.981e+05	-7237.40	84.39
5	15	-50.00	-1.001e+04	1.023e+04	530.76	-1043.92	-4.393e+04	-3106.17
5	15	25.00	-7351.70	1.085e+04	530.76	6.872e+04	-8343.95	6732.12
5	15	102.50	-2.707e+04	-6399.69	-488.97	-2.387e+05	2.298e+04	4.374e+04
5	15	180.00	-1.631e+04	-6237.69	-394.91	-8.560e+05	-3295.70	4.712e+04
5	15	242.50	-5294.05	-5110.51	-137.39	-5.727e+05	-8511.86	3.110e+04
5	16	-50.00	-7599.90	9057.02	361.17	-5640.09	-3.129e+04	-2104.21
5	16	25.00	-5463.33	9425.38	361.17	6.326e+04	-7567.52	6758.36
5	16	102.50	-2.104e+04	-5739.86	-480.95	-7.757e+04	2.018e+04	4.452e+04
5	16	180.00	-1.271e+04	-5585.13	-353.22	-6.702e+05	-2887.49	4.761e+04
5	16	242.50	-4095.09	-4557.56	-95.63	-4.533e+05	-6340.64	3.108e+04
5	37	-50.00	-8536.05	7961.67	318.83	2.227e+04	-4.122e+04	2479.01
5	37	25.00	-6041.02	8772.99	318.83	6.563e+04	662.50	1.341e+04
5	37	102.50	-2.862e+04	-2.444e+04	401.31	1.047e+06	-2.062e+04	8.417e+04
5	37	180.00	-1.738e+04	-1.852e+04	-15.02	-4.840e+05	-4920.34	5.101e+04
5	37	242.50	-5857.66	-1.152e+04	-251.06	-6.852e+05	-5804.20	3.964e+04
5	38	-50.00	-6127.78	6791.90	149.24	1.768e+04	-2.858e+04	3480.97
5	38	25.00	-4152.65	7350.22	149.24	6.017e+04	1438.93	1.344e+04
5	38	102.50	-2.259e+04	-2.378e+04	409.34	1.209e+06	-2.341e+04	8.496e+04
5	38	180.00	-1.378e+04	-1.786e+04	26.67	-2.982e+05	-4512.13	5.150e+04
5	38	242.50	-4658.69	-1.097e+04	-209.31	-5.658e+05	-3632.98	3.962e+04
5	106	-50.00	-8027.57	3899.25	565.29	1.532e+04	-4.214e+04	-3339.87
5	106	25.00	-6294.57	4742.54	565.29	1.821e+04	-2588.10	-87.47
5	106	102.50	-2.009e+04	-2199.45	-26.75	-5.370e+05	9319.15	-2616.88
5	106	180.00	-1.200e+04	-2175.22	-138.97	-6.193e+05	-1360.71	-1646.21
5	106	242.50	-3996.56	-1843.17	-139.18	-3.981e+05	-7237.40	84.39
5	123	-50.00	-6761.05	5827.68	287.93	1.689e+04	-3.310e+04	1207.35
5	123	25.00	-4866.62	6481.00	287.93	4.618e+04	96.59	8930.10
5	123	102.50	-2.176e+04	-1.659e+04	263.97	6.267e+05	-1.250e+04	5.577e+04
5	123	180.00	-1.319e+04	-1.263e+04	-28.55	-4.052e+05	-3461.66	3.379e+04
5	123	242.50	-4437.98	-7925.54	-185.93	-5.099e+05	-4834.45	2.644e+04
5	157	-50.00	-8027.57	3899.25	565.29	1.532e+04	-4.214e+04	-3339.87
5	157	25.00	-6294.57	4742.54	565.29	1.821e+04	-2588.10	-87.47
5	157	102.50	-2.009e+04	-2199.45	-26.75	-5.370e+05	9319.15	-2616.88
5	157	180.00	-1.200e+04	-2175.22	-138.97	-6.193e+05	-1360.71	-1646.21
5	157	242.50	-3996.56	-1843.17	-139.18	-3.981e+05	-7237.40	84.39
5	159	-50.00	-7885.01	5618.51	497.25	8333.67	-3.852e+04	-2927.98
5	159	25.00	-6017.49	6303.49	497.25	3.323e+04	-4247.91	2194.47
5	159	102.50	-2.041e+04	-3379.58	-178.15	-3.839e+05	1.294e+04	1.310e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
5	159	180.00	-1.224e+04	-3311.85	-210.39	-6.363e+05	-1869.64	1.477e+04
5	159	242.50	-4029.40	-2747.97	-124.66	-4.165e+05	-6938.48	1.042e+04
5	164	-50.00	-8027.57	3899.25	565.29	1.532e+04	-4.214e+04	-3339.87
5	164	25.00	-6294.57	4742.54	565.29	1.821e+04	-2588.10	-87.47
5	164	102.50	-2.009e+04	-2199.45	-26.75	-5.370e+05	9319.15	-2616.88
5	164	180.00	-1.200e+04	-2175.22	-138.97	-6.193e+05	-1360.71	-1646.21
5	164	242.50	-3996.56	-1843.17	-139.18	-3.981e+05	-7237.40	84.39
5	166	-50.00	-8770.90	4068.63	659.01	9704.73	-4.531e+04	-5139.63
5	166	25.00	-7037.91	4911.92	659.01	1.259e+04	-5661.02	-2951.35
5	166	102.50	-1.949e+04	4817.76	-743.34	-1.099e+06	5.829e+04	-2.985e+04
5	166	180.00	-1.153e+04	2774.21	-465.43	-7.322e+05	9522.15	-1.402e+04
5	166	242.50	-3835.23	870.67	-133.86	-3.529e+05	-8240.06	-1.130e+04
5	168	-50.00	-7510.41	3907.82	431.63	2.138e+04	-3.984e+04	-434.11
5	168	25.00	-5777.41	4751.11	431.63	2.427e+04	-214.16	4359.69
5	168	102.50	-2.101e+04	-1.033e+04	-194.22	3.931e+04	2.784e+04	1.602e+04
5	168	180.00	-1.258e+04	-7843.68	-236.36	-4.558e+05	7813.11	4834.39
5	168	242.50	-4301.90	-4955.67	-209.32	-4.579e+05	-5829.13	5431.11
5	181	-50.00	-7839.69	3626.80	665.99	1.283e+04	-4.151e+04	-5889.02
5	181	25.00	-6106.69	4470.09	665.99	1.572e+04	-2240.16	-3822.92
5	181	102.50	-1.934e+04	1927.13	1364.32	-7.310e+05	-9.860e+04	4829.09
5	181	180.00	-1.164e+04	615.84	533.06	-7.452e+05	-3.453e+04	5343.35
5	181	242.50	-3686.53	-304.77	-19.81	-3.578e+05	-8275.06	7633.39
5	211	-50.00	-7882.69	4183.74	520.90	1.710e+04	-4.084e+04	-2843.02
5	211	25.00	-6164.60	5107.64	520.90	2.250e+04	-2996.97	1512.65
5	211	102.50	-2.033e+04	-3617.86	433.25	-5.111e+05	-8077.29	-1637.16
5	211	180.00	-1.212e+04	-3300.14	124.10	-6.719e+05	-3036.41	-389.46
5	211	242.50	-3968.67	-2526.07	-9.02	-4.056e+05	-6646.82	425.12
5	214	-50.00	-8041.38	3866.83	543.73	1.502e+04	-4.143e+04	-4175.00
5	214	25.00	-6332.38	4759.25	543.73	1.779e+04	-1634.38	-1306.41
5	214	102.50	-2.038e+04	-2612.91	2560.98	-5.593e+05	-8.957e+04	-5329.67
5	214	180.00	-1.202e+04	-2545.31	1116.12	-6.813e+05	-1.464e+04	-5088.64
5	214	242.50	-3917.19	-1973.97	283.35	-4.030e+05	-1.123e+04	-2454.70
5	218	-50.00	-8112.39	3768.56	563.51	1.410e+04	-4.206e+04	-4453.40
5	218	25.00	-6394.52	4628.80	563.51	1.592e+04	-1377.07	-2103.69
5	218	102.50	-2.026e+04	-1847.67	2463.50	-5.862e+05	-8.699e+04	-5441.96
5	218	180.00	-1.198e+04	-1958.07	1036.36	-6.557e+05	-1.526e+04	-5326.97
5	218	242.50	-3932.74	-1657.34	237.75	-3.943e+05	-1.190e+04	-2161.48
5	220	-50.00	-8026.87	3940.17	537.63	1.521e+04	-4.128e+04	-4083.48
5	220	25.00	-6314.48	4845.20	537.63	1.859e+04	-1727.70	-1024.02
5	220	102.50	-2.040e+04	-2694.81	2512.32	-5.678e+05	-8.867e+04	-4723.17
5	220	180.00	-1.205e+04	-2625.12	1085.85	-6.835e+05	-1.503e+04	-4381.62
5	220	242.50	-3922.21	-2067.66	279.85	-3.991e+05	-1.117e+04	-1831.54
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-2.862e+04	-2.444e+04	-743.34	-1.099e+06	-9.860e+04	-2.985e+04
			-3686.53	1.085e+04	2560.98	1.209e+06	5.829e+04	8.496e+04

Macro	Tipo	Angolo 1-Z (gradi)
6	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
6	5	-50.00	-3.687e+04	-405.52	2564.66	6.387e+05	-1.360e+05	-2.214e+04
6	5	25.00	-3.804e+04	-194.21	2564.66	4.660e+05	6.702e+04	-3.923e+04
6	5	102.50	-2.186e+04	-95.21	13.77	2.333e+05	4.167e+04	-3.440e+04
6	5	180.00	-1.215e+04	-56.49	-234.32	4.831e+04	1.022e+04	-3.284e+04
6	5	242.50	-3694.26	0.35	-87.61	-7136.11	-1382.64	-2.050e+04
6	15	-50.00	3.917e+04	-3.358e+04	802.35	4.247e+06	5.187e+04	-1.777e+05
6	15	25.00	6975.77	1.066e+04	802.35	3.402e+06	1.183e+04	-3.893e+05
6	15	102.50	-1.934e+04	-865.54	328.73	1.435e+06	1770.31	-3.061e+05
6	15	180.00	-1.166e+04	-472.77	153.95	2.677e+05	6843.24	-2.976e+05
6	15	242.50	-3769.34	45.61	28.24	-4.559e+04	638.94	-1.877e+05
6	16	-50.00	4.752e+04	-3.350e+04	215.04	4.115e+06	8.281e+04	-1.731e+05

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
6	16	25.00	1.561e+04	1.070e+04	215.04	3.305e+06	-2346.42	-3.812e+05
6	16	102.50	-1.432e+04	-845.93	318.91	1.387e+06	-7149.69	-2.990e+05
6	16	180.00	-8860.05	-461.17	202.27	2.577e+05	4605.80	-2.907e+05
6	16	242.50	-2915.90	45.52	46.71	-4.411e+04	928.32	-1.834e+05
6	29	-50.00	-4.394e+04	-1295.76	4952.96	1.323e+06	3.268e+05	-4.463e+04
6	29	25.00	-4.518e+04	-1099.00	4952.95	1.160e+06	5.260e+05	-6.058e+04
6	29	102.50	-2.369e+04	-740.24	-4773.93	1.880e+05	4.102e+05	-4.953e+04
6	29	180.00	-1.308e+04	-450.19	-2476.86	1.495e+04	1.135e+05	-5.279e+04
6	29	242.50	-4148.66	-192.98	-371.42	2.693e+04	4892.59	-3.768e+04
6	35	-50.00	3.467e+04	-3.413e+04	2248.11	4.678e+06	3.305e+05	-1.921e+05
6	35	25.00	2471.83	1.011e+04	2248.10	3.833e+06	2.893e+05	-4.037e+05
6	35	102.50	-2.047e+04	-1256.85	-2554.64	1.416e+06	2.239e+05	-3.166e+05
6	35	180.00	-1.222e+04	-711.62	-1200.46	2.493e+05	6.899e+04	-3.109e+05
6	35	242.50	-4040.88	-70.39	-144.64	-2.536e+04	4358.73	-1.988e+05
6	102	-50.00	4.749e+04	-1.677e+04	198.55	6.313e+06	7.897e+04	-1.847e+05
6	102	25.00	1.557e+04	2.742e+04	198.55	5.504e+06	-6200.49	-3.911e+05
6	102	102.50	-1.403e+04	7854.84	339.17	2.510e+06	-1.034e+04	-3.069e+05
6	102	180.00	-8880.71	5009.34	216.96	6.467e+05	3292.07	-2.957e+05
6	102	242.50	-2913.07	2185.76	51.26	-1.686e+04	996.81	-1.823e+05
6	104	-50.00	1.733e+04	7661.62	884.62	6.309e+06	2038.07	-1.293e+05
6	104	25.00	-2194.03	3.424e+04	884.62	5.776e+06	1.107e+04	-2.561e+05
6	104	102.50	-1.480e+04	1.397e+04	238.20	2.768e+06	2280.77	-2.021e+05
6	104	180.00	-9082.98	8825.34	81.42	8.163e+05	3557.19	-1.919e+05
6	104	242.50	-2882.76	3594.49	10.98	1.696e+04	285.31	-1.138e+05
6	112	-50.00	2.240e+04	-2.243e+04	795.93	2.890e+06	2.084e+04	-1.205e+05
6	112	25.00	815.19	7088.79	795.92	2.311e+06	1.419e+04	-2.632e+05
6	112	102.50	-1.512e+04	-585.74	223.51	9.784e+05	5144.66	-2.073e+05
6	112	180.00	-9017.14	-320.34	81.15	1.829e+05	5556.58	-2.014e+05
6	112	242.50	-2892.21	30.45	10.62	-3.105e+04	297.35	-1.270e+05
6	119	-50.00	-3.300e+04	-901.41	3563.00	9.405e+05	2.041e+05	-3.180e+04
6	119	25.00	-3.396e+04	-750.61	3562.99	8.159e+05	3.570e+05	-4.402e+04
6	119	102.50	-1.803e+04	-502.21	-3178.26	1.468e+05	2.774e+05	-3.620e+04
6	119	180.00	-9960.97	-305.28	-1672.72	1.441e+04	7.668e+04	-3.823e+04
6	119	242.50	-3145.09	-128.62	-255.82	1.730e+04	3133.11	-2.702e+04
6	122	-50.00	1.940e+04	-2.279e+04	1759.76	3.178e+06	2.066e+05	-1.301e+05
6	122	25.00	-2187.44	6721.09	1759.76	2.598e+06	1.992e+05	-2.728e+05
6	122	102.50	-1.588e+04	-846.61	-1698.73	9.654e+05	1.532e+05	-2.142e+05
6	122	180.00	-9390.23	-479.57	-821.78	1.707e+05	4.699e+04	-2.103e+05
6	122	242.50	-3073.23	-46.89	-104.63	-1.757e+04	2777.21	-1.344e+05
6	159	-50.00	-2715.53	-1.135e+04	1376.81	1.665e+06	-4.114e+04	-6.796e+04
6	159	25.00	-1.397e+04	3477.11	1376.81	1.316e+06	3.073e+04	-1.452e+05
6	159	102.50	-1.593e+04	-325.54	128.12	5.697e+05	1.744e+04	-1.156e+05
6	159	180.00	-9174.22	-179.52	-39.97	1.081e+05	6507.36	-1.121e+05
6	159	242.50	-2868.52	15.37	-25.47	-1.799e+04	-333.63	-7.061e+04
6	160	-50.00	-2.884e+04	-404.33	2278.98	5.364e+05	-4.120e+04	-1.856e+04
6	160	25.00	-2.977e+04	-257.12	2278.97	4.172e+05	1.089e+05	-3.041e+04
6	160	102.50	-1.698e+04	-152.31	-608.03	1.566e+05	7.910e+04	-2.618e+04
6	160	180.00	-9455.67	-91.77	-462.06	2.923e+04	2.127e+04	-2.573e+04
6	160	242.50	-2905.17	-25.48	-99.98	-444.76	-137.98	-1.669e+04
6	164	-50.00	-2.783e+04	-281.76	1957.70	4.405e+05	-1.031e+05	-1.537e+04
6	164	25.00	-2.876e+04	-134.56	1957.69	3.213e+05	4.727e+04	-2.722e+04
6	164	102.50	-1.673e+04	-65.35	32.72	1.610e+05	2.973e+04	-2.386e+04
6	164	180.00	-9331.30	-38.69	-161.08	3.332e+04	7458.14	-2.277e+04
6	164	242.50	-2844.83	0.29	-61.56	-4938.76	-964.60	-1.422e+04
6	168	-50.00	-3.073e+04	862.59	2885.90	9.814e+05	7.615e+04	-2.258e+04
6	168	25.00	-3.166e+04	1009.80	2885.90	8.622e+05	2.258e+05	-3.398e+04
6	168	102.50	-1.747e+04	496.91	-1823.32	2.722e+05	1.723e+05	-2.600e+04
6	168	180.00	-9692.99	308.13	-1031.07	7.140e+04	4.719e+04	-2.787e+04
6	168	242.50	-3017.76	118.19	-171.92	1.316e+04	1259.93	-1.621e+04
6	178	-50.00	-2.501e+04	2601.12	968.90	1.056e+06	-2.879e+05	-2.170e+04
6	178	25.00	-2.594e+04	2748.33	968.90	9.369e+05	-1.363e+05	-3.342e+04
6	178	102.50	-1.594e+04	1388.87	1949.13	3.232e+05	-1.180e+05	-2.679e+04
6	178	180.00	-8972.42	663.84	737.34	8.432e+04	-3.377e+04	-2.695e+04
6	178	242.50	-2669.09	341.21	52.51	7923.86	-3372.49	-1.654e+04
6	183	-50.00	-2.864e+04	-5492.61	2240.28	-3.959e+05	-4.896e+04	-2.461e+04
6	183	25.00	-2.957e+04	-5345.41	2240.27	-5.151e+05	1.012e+05	-3.819e+04
6	183	102.50	-1.690e+04	-2920.13	-523.90	-2.622e+05	7.380e+04	-4.090e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
6	183	180.00	-9426.12	-1794.01	-425.53	-1.392e+05	2.017e+04	-3.647e+04
6	183	242.50	-2896.39	-681.44	-96.88	-1.723e+04	350.00	-3.319e+04
6	191	-50.00	-2.868e+04	-1.128e+04	2247.56	-8.985e+05	-4.681e+04	-1.056e+04
6	191	25.00	-2.961e+04	-1.113e+04	2247.55	-1.018e+06	1.034e+05	-2.355e+04
6	191	102.50	-1.713e+04	-5816.21	-537.60	-5.697e+05	7.461e+04	-2.065e+04
6	191	180.00	-9425.10	-3648.36	-432.16	-2.249e+05	2.025e+04	-2.186e+04
6	191	242.50	-2898.60	-1416.53	-97.52	-1.826e+04	-287.80	-1.688e+04
6	197	-50.00	-2.933e+04	41.66	2230.40	5.273e+05	1.274e+05	-1.355e+04
6	197	25.00	-2.931e+04	209.75	2230.40	3.720e+05	3.194e+05	-2.360e+04
6	197	102.50	-1.673e+04	212.77	-2160.16	1.783e+05	1.188e+05	-2.059e+04
6	197	180.00	-9432.65	162.61	-1357.28	2.413e+04	1.729e+04	-1.963e+04
6	197	242.50	-2900.66	40.06	-455.69	-1.358e+04	2746.05	-1.179e+04
6	199	-50.00	-2.650e+04	-48.99	1717.42	6.041e+05	-3.403e+05	-1.765e+04
6	199	25.00	-2.833e+04	159.66	1717.42	4.327e+05	-2.307e+05	-3.090e+04
6	199	102.50	-1.678e+04	184.19	2299.71	2.104e+05	-6.118e+04	-2.702e+04
6	199	180.00	-9222.58	142.50	1097.04	3.160e+04	-1829.90	-2.580e+04
6	199	242.50	-2778.30	38.36	357.18	-1.412e+04	-4480.27	-1.568e+04
6	203	-50.00	-2.646e+04	-602.61	1713.02	3.657e+05	-3.389e+05	-1.732e+04
6	203	25.00	-2.829e+04	-474.86	1713.02	2.791e+05	-2.293e+05	-3.104e+04
6	203	102.50	-1.676e+04	-339.80	2287.16	1.478e+05	-6.065e+04	-2.729e+04
6	203	180.00	-9220.94	-236.30	1086.90	4.306e+04	-1828.37	-2.607e+04
6	203	242.50	-2779.68	-38.64	353.26	3379.29	-4515.38	-1.673e+04
6	216	-50.00	-2.714e+04	-1222.34	1826.70	3.463e+04	-1.621e+05	-1.521e+04
6	216	25.00	-2.843e+04	-1206.29	1826.70	6.010e+04	-2.550e+04	-2.821e+04
6	216	102.50	-1.666e+04	-949.07	578.18	5.448e+04	5896.34	-2.499e+04
6	216	180.00	-9312.06	-679.19	103.85	5.262e+04	3690.25	-2.389e+04
6	216	242.50	-2844.32	-129.68	19.35	2.468e+04	-2373.51	-1.642e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-4.518e+04	-3.413e+04	-4773.93	-1.018e+06	-3.403e+05	-4.037e+05
			4.752e+04	3.424e+04	4952.96	6.313e+06	5.260e+05	-1.056e+04

Macro	Tipo	Angolo 1-Z (gradi)
7	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
7	6	-50.00	-3.389e+04	4621.35	1114.25	1.186e+05	-3.141e+05	1.119e+04
7	6	25.00	-2.910e+04	5066.47	1114.25	5.670e+04	-2.679e+05	1.870e+04
7	6	102.50	-1.549e+04	5145.96	2383.35	-2.274e+04	-7.781e+04	1.067e+04
7	6	180.00	-1.036e+04	5168.03	2229.94	4.909e+04	9.706e+04	1.429e+04
7	6	242.50	-5789.88	5194.61	1594.05	-2.011e+04	2.185e+05	6889.16
7	15	-50.00	-4.462e+04	3.686e+04	3030.26	3.150e+06	-3.444e+05	8.350e+04
7	15	25.00	-3.875e+04	4.039e+04	3030.26	1.622e+06	-9.714e+04	1.669e+05
7	15	102.50	-2.360e+04	4.131e+04	977.86	7.693e+05	-5.743e+04	1.395e+05
7	15	180.00	-1.685e+04	4.144e+04	1080.01	5.074e+04	2.774e+04	1.121e+05
7	15	242.50	-9874.69	4.168e+04	794.38	-3.492e+05	9.195e+04	5.264e+04
7	68	-50.00	-3.403e+04	2.705e+04	1172.75	2.988e+06	-3.129e+05	2.574e+04
7	68	25.00	-2.923e+04	2.750e+04	1172.75	2.926e+06	-2.663e+05	3.458e+04
7	68	102.50	-1.567e+04	2.048e+04	2306.80	1.816e+06	-7.377e+04	2.527e+04
7	68	180.00	-1.025e+04	1.689e+04	2188.05	9.095e+05	9.642e+04	3.074e+04
7	68	242.50	-5866.46	1.325e+04	1558.86	2.561e+05	2.158e+05	2.052e+04
7	79	-50.00	-4.476e+04	5.929e+04	3088.76	6.019e+06	-3.432e+05	9.805e+04
7	79	25.00	-3.889e+04	6.282e+04	3088.76	4.491e+06	-9.550e+04	1.828e+05
7	79	102.50	-2.377e+04	5.665e+04	901.32	2.608e+06	-5.339e+04	1.541e+05
7	79	180.00	-1.674e+04	5.316e+04	1038.12	9.111e+05	2.710e+04	1.286e+05
7	79	242.50	-9951.28	4.973e+04	759.19	-7.307e+04	8.922e+04	6.627e+04
7	81	-50.00	-4.454e+04	6.160e+04	2529.87	6.720e+06	-3.630e+05	7.947e+04
7	81	25.00	-3.862e+04	6.392e+04	2529.87	5.774e+06	-1.835e+05	1.350e+05
7	81	102.50	-2.279e+04	5.268e+04	1600.35	3.510e+06	-6.572e+04	1.127e+05
7	81	180.00	-1.552e+04	4.674e+04	1640.55	1.487e+06	6.078e+04	1.012e+05
7	81	242.50	-9182.32	4.079e+04	1171.26	2.423e+05	1.536e+05	5.744e+04
7	101	-50.00	-4.494e+04	4.807e+04	3171.79	5.433e+06	-3.431e+05	8.560e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
7	101	25.00	-3.907e+04	5.161e+04	3171.79	3.905e+06	-9.583e+04	1.705e+05
7	101	102.50	-2.389e+04	4.952e+04	931.40	2.264e+06	-5.050e+04	1.447e+05
7	101	180.00	-1.687e+04	4.750e+04	977.58	7.763e+05	2.700e+04	1.174e+05
7	101	242.50	-1.003e+04	4.446e+04	727.42	-8.390e+04	8.697e+04	5.852e+04
7	107	-50.00	-3.384e+04	4428.06	1136.56	1.096e+05	-3.109e+05	1.075e+04
7	107	25.00	-2.910e+04	4852.47	1136.56	4.977e+04	-2.607e+05	1.787e+04
7	107	102.50	-1.567e+04	4929.08	2320.44	-2.577e+04	-7.623e+04	1.009e+04
7	107	180.00	-1.048e+04	4949.55	2167.62	4.752e+04	9.368e+04	1.368e+04
7	107	242.50	-5866.24	4974.47	1545.57	-1.885e+04	2.117e+05	6601.09
7	144	-50.00	-3.434e+04	4.006e+04	2216.66	4.025e+06	-2.694e+05	6.668e+04
7	144	25.00	-2.981e+04	4.247e+04	2216.66	2.999e+06	-9.649e+04	1.240e+05
7	144	102.50	-1.799e+04	3.837e+04	893.50	1.734e+06	-4.534e+04	1.039e+05
7	144	180.00	-1.259e+04	3.604e+04	964.48	6.133e+05	2.966e+04	8.739e+04
7	144	242.50	-7436.71	3.376e+04	699.28	-5.089e+04	8.587e+04	4.498e+04
7	145	-50.00	-3.419e+04	4.161e+04	1844.07	4.492e+06	-2.826e+05	5.430e+04
7	145	25.00	-2.963e+04	4.321e+04	1844.07	3.854e+06	-1.552e+05	9.219e+04
7	145	102.50	-1.733e+04	3.572e+04	1359.51	2.335e+06	-5.356e+04	7.629e+04
7	145	180.00	-1.178e+04	3.176e+04	1366.10	9.976e+05	5.211e+04	6.912e+04
7	145	242.50	-6924.08	2.780e+04	973.99	1.593e+05	1.288e+05	3.909e+04
7	155	-50.00	-3.446e+04	3.259e+04	2272.02	3.634e+06	-2.693e+05	5.838e+04
7	155	25.00	-2.993e+04	3.500e+04	2272.02	2.608e+06	-9.670e+04	1.158e+05
7	155	102.50	-1.807e+04	3.361e+04	913.55	1.505e+06	-4.341e+04	9.764e+04
7	155	180.00	-1.268e+04	3.227e+04	924.11	5.235e+05	2.959e+04	7.991e+04
7	155	242.50	-7486.40	3.024e+04	678.09	-5.811e+04	8.438e+04	3.982e+04
7	157	-50.00	-3.373e+04	4041.49	1181.18	9.152e+04	-3.045e+05	9856.68
7	157	25.00	-2.912e+04	4424.47	1181.18	3.590e+04	-2.461e+05	1.620e+04
7	157	102.50	-1.604e+04	4495.33	2194.62	-3.184e+04	-7.307e+04	8913.93
7	157	180.00	-1.074e+04	4512.60	2042.98	4.439e+04	8.693e+04	1.248e+04
7	157	242.50	-6018.96	4534.19	1448.61	-1.633e+04	1.979e+05	6024.95
7	159	-50.00	-3.399e+04	1.458e+04	1679.42	1.102e+06	-2.873e+05	3.342e+04
7	159	25.00	-2.941e+04	1.597e+04	1679.42	5.610e+05	-1.719e+05	6.482e+04
7	159	102.50	-1.695e+04	1.632e+04	1569.57	2.384e+05	-6.055e+04	5.155e+04
7	159	180.00	-1.170e+04	1.637e+04	1517.69	4.206e+04	5.850e+04	4.445e+04
7	159	242.50	-6702.31	1.646e+04	1085.67	-1.257e+05	1.428e+05	2.096e+04
7	164	-50.00	-3.373e+04	4041.49	1181.18	9.152e+04	-3.045e+05	9856.68
7	164	25.00	-2.912e+04	4424.47	1181.18	3.590e+04	-2.461e+05	1.620e+04
7	164	102.50	-1.604e+04	4495.33	2194.62	-3.184e+04	-7.307e+04	8913.93
7	164	180.00	-1.074e+04	4512.60	2042.98	4.439e+04	8.693e+04	1.248e+04
7	164	242.50	-6018.96	4534.19	1448.61	-1.633e+04	1.979e+05	6024.95
7	170	-50.00	-3.822e+04	5789.34	1782.13	6.652e+05	-4.503e+05	1.137e+04
7	170	25.00	-3.360e+04	6172.33	1782.13	6.096e+05	-3.916e+05	1.867e+04
7	170	102.50	-1.767e+04	6266.47	4040.69	4.439e+05	-1.246e+05	1.141e+04
7	170	180.00	-1.095e+04	5723.77	2983.38	2.250e+05	1.431e+05	1.449e+04
7	170	242.50	-5492.77	5460.63	1810.03	4.873e+04	3.012e+05	8391.93
7	177	-50.00	-3.773e+04	426.21	1708.19	-7.233e+05	-4.525e+05	4115.64
7	177	25.00	-3.311e+04	809.19	1708.19	-7.789e+05	-3.938e+05	9086.37
7	177	102.50	-1.759e+04	1653.03	4106.41	-5.062e+05	-1.278e+05	2312.60
7	177	180.00	-1.107e+04	1805.02	3029.54	-2.031e+05	1.455e+05	5948.87
7	177	242.50	-5419.53	2221.42	1841.59	-8.839e+04	3.045e+05	452.03
7	188	-50.00	-3.261e+04	1.907e+04	1052.74	2.055e+06	-2.593e+05	2.091e+04
7	188	25.00	-2.799e+04	1.946e+04	1052.74	2.000e+06	-2.008e+05	2.843e+04
7	188	102.50	-1.567e+04	1.485e+04	1574.11	1.210e+06	-5.449e+04	2.003e+04
7	188	180.00	-1.058e+04	1.259e+04	1725.70	6.319e+05	6.900e+04	2.485e+04
7	188	242.50	-6239.93	1.030e+04	1312.51	1.676e+05	1.645e+05	1.620e+04
7	205	-50.00	-3.524e+04	4120.59	957.52	2.163e+05	-3.339e+05	9119.16
7	205	25.00	-3.031e+04	4480.43	957.52	1.156e+05	-2.959e+05	1.514e+04
7	205	102.50	-1.668e+04	4445.32	2573.40	9393.55	-9.015e+04	8027.81
7	205	180.00	-1.095e+04	4288.03	2499.45	5.019e+04	1.033e+05	1.161e+04
7	205	242.50	-5801.98	4034.10	2111.68	-1.762e+04	2.498e+05	5662.09
7	206	-50.00	-3.498e+04	3222.14	946.22	-6.369e+04	-3.383e+05	8955.78
7	206	25.00	-3.009e+04	3562.81	946.22	-8.218e+04	-3.022e+05	1.480e+04
7	206	102.50	-1.651e+04	3742.49	2647.64	-1.002e+05	-9.089e+04	7695.04
7	206	180.00	-1.083e+04	3910.26	2571.00	1.226e+04	1.074e+05	1.094e+04
7	206	242.50	-5738.54	4205.74	2120.01	-1.521e+04	2.553e+05	5185.16
7	207	-50.00	-3.249e+04	4860.83	1416.14	2.467e+05	-2.706e+05	1.076e+04
7	207	25.00	-2.815e+04	5286.13	1416.14	1.540e+05	-1.900e+05	1.761e+04
7	207	102.50	-1.557e+04	5248.18	1741.59	3.648e+04	-5.525e+04	1.013e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
7	207	180.00	-1.065e+04	5114.94	1514.97	7.651e+04	6.647e+04	1.401e+04
7	207	242.50	-6299.38	4862.64	777.21	-1.745e+04	1.406e+05	6864.75
7	219	-50.00	-3.375e+04	5649.95	1268.80	5.628e+05	-2.877e+05	1.037e+04
7	219	25.00	-2.916e+04	6074.69	1268.80	3.712e+05	-2.197e+05	1.713e+04
7	219	102.50	-1.617e+04	5787.15	1946.11	1.548e+05	-6.661e+04	9784.30
7	219	180.00	-1.088e+04	5266.26	1776.06	1.116e+05	7.456e+04	1.395e+04
7	219	242.50	-6199.31	4372.41	1234.55	-2.032e+04	1.724e+05	7000.25
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-4.494e+04	426.21	678.09	-7.789e+05	-4.525e+05	452.03
			-5419.53	6.392e+04	4106.41	6.720e+06	3.045e+05	1.828e+05

Macro	Tipo	Angolo 1-Z (gradi)
8	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
8	5	-50.00	-5.175e+04	-6534.42	1413.82	-1.032e+05	-2.067e+05	1.517e+04
8	5	25.00	-4.948e+04	-6629.05	1413.82	-3.892e+05	-9.987e+04	1.720e+04
8	5	102.50	-3.674e+04	-6570.53	1968.37	-1.810e+05	5.657e+04	1.399e+04
8	5	180.00	-2.545e+04	-6610.62	1971.91	-3.454e+05	2.055e+05	2.030e+04
8	5	242.50	-1.620e+04	-6523.83	2229.81	-4.076e+04	3.324e+05	1.014e+04
8	15	-50.00	-4.434e+04	-4.168e+04	23.20	-4.603e+05	-5.323e+04	7.719e+04
8	15	25.00	-4.252e+04	-4.215e+04	23.20	-4.592e+05	-3963.46	1.513e+05
8	15	102.50	-3.306e+04	-4.208e+04	618.77	-1.710e+06	4.112e+04	1.448e+05
8	15	180.00	-2.270e+04	-4.174e+04	998.62	-1.430e+06	1.193e+05	1.012e+05
8	15	242.50	-1.397e+04	-4.129e+04	1366.56	9.273e+04	1.970e+05	5.336e+04
8	16	-50.00	-3.259e+04	-4.032e+04	-262.55	-4.371e+05	-9620.59	7.400e+04
8	16	25.00	-3.127e+04	-4.077e+04	-262.55	-3.745e+05	1.674e+04	1.478e+05
8	16	102.50	-2.470e+04	-4.072e+04	196.53	-1.672e+06	2.808e+04	1.419e+05
8	16	180.00	-1.691e+04	-4.037e+04	572.30	-1.356e+06	7.405e+04	9.699e+04
8	16	242.50	-1.030e+04	-3.994e+04	880.16	1.018e+05	1.242e+05	5.124e+04
8	57	-50.00	-4.220e+04	-4.625e+04	-3942.16	-6.811e+05	1.901e+05	8.530e+04
8	57	25.00	-4.038e+04	-4.672e+04	-3942.16	-6.800e+05	2.383e+05	1.610e+05
8	57	102.50	-3.118e+04	-4.602e+04	-1755.24	-1.907e+06	4.048e+04	1.535e+05
8	57	180.00	-2.048e+04	-4.544e+04	69.22	-1.617e+06	-7061.35	1.096e+05
8	57	242.50	-1.119e+04	-4.489e+04	1723.98	5.188e+04	4.387e+04	6.033e+04
8	60	-50.00	-3.165e+04	-3.361e+04	-6385.46	-6.612e+05	3.416e+05	6.217e+04
8	60	25.00	-3.019e+04	-3.391e+04	-6385.46	-7.056e+05	3.863e+05	1.096e+05
8	60	102.50	-2.284e+04	-3.282e+04	-3275.77	-1.382e+06	3.316e+04	1.035e+05
8	60	180.00	-1.416e+04	-3.221e+04	-637.20	-1.224e+06	-1.058e+05	7.781e+04
8	60	242.50	-6448.27	-3.176e+04	1772.33	-1.911e+04	-8.362e+04	4.519e+04
8	67	-50.00	-5.156e+04	1445.78	1420.24	1.610e+06	-2.045e+05	2.939e+04
8	67	25.00	-4.929e+04	1351.15	1420.24	1.324e+06	-9.764e+04	3.490e+04
8	67	102.50	-3.671e+04	-1887.72	1947.98	9.550e+05	5.733e+04	3.338e+04
8	67	180.00	-2.529e+04	-4387.25	1952.70	1.725e+04	2.050e+05	3.388e+04
8	67	242.50	-1.617e+04	-6423.77	2219.48	-1.504e+04	3.303e+05	2.260e+04
8	79	-50.00	-4.415e+04	-3.370e+04	29.62	1.253e+06	-5.106e+04	9.141e+04
8	79	25.00	-4.233e+04	-3.417e+04	29.62	1.254e+06	-1736.19	1.690e+05
8	79	102.50	-3.303e+04	-3.740e+04	598.39	-5.739e+05	4.187e+04	1.642e+05
8	79	180.00	-2.254e+04	-3.952e+04	979.40	-1.067e+06	1.187e+05	1.148e+05
8	79	242.50	-1.393e+04	-4.119e+04	1356.23	1.185e+05	1.950e+05	6.581e+04
8	107	-50.00	-3.972e+04	-4958.60	1069.55	-7.908e+04	-1.572e+05	1.153e+04
8	107	25.00	-3.799e+04	-5031.31	1069.55	-2.971e+05	-7.578e+04	1.301e+04
8	107	102.50	-2.821e+04	-4986.13	1499.91	-1.377e+05	4.351e+04	1.058e+04
8	107	180.00	-1.954e+04	-5017.04	1504.09	-2.629e+05	1.571e+05	1.543e+04
8	107	242.50	-1.243e+04	-4951.13	1702.72	-3.122e+04	2.539e+05	7702.35
8	133	-50.00	-3.335e+04	-3.143e+04	-2501.10	-4.644e+05	1.073e+05	5.828e+04
8	133	25.00	-3.192e+04	-3.176e+04	-2501.10	-4.909e+05	1.497e+05	1.089e+05
8	133	102.50	-2.451e+04	-3.129e+04	-982.49	-1.288e+06	3.278e+04	1.036e+05
8	133	180.00	-1.622e+04	-3.090e+04	235.62	-1.111e+06	1.540e+04	7.497e+04
8	133	242.50	-9092.74	-3.053e+04	1365.50	3.055e+04	6.160e+04	4.116e+04
8	134	-50.00	-3.416e+04	-2.392e+04	-3939.47	-4.666e+05	1.793e+05	4.499e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
8	134	25.00	-3.263e+04	-2.414e+04	-3939.47	-5.644e+05	2.345e+05	7.693e+04
8	134	102.50	-2.452e+04	-2.339e+04	-1714.69	-9.639e+05	3.659e+04	7.217e+04
8	134	180.00	-1.587e+04	-2.300e+04	48.89	-8.973e+05	-2.029e+04	5.660e+04
8	134	242.50	-8376.69	-2.268e+04	1722.00	-2.285e+04	2.514e+04	3.249e+04
8	144	-50.00	-3.465e+04	-2.307e+04	146.75	8.248e+05	-5.342e+04	6.236e+04
8	144	25.00	-3.322e+04	-2.339e+04	146.75	7.983e+05	-1.036e+04	1.142e+05
8	144	102.50	-2.574e+04	-2.554e+04	586.59	-3.996e+05	3.371e+04	1.107e+05
8	144	180.00	-1.760e+04	-2.696e+04	842.41	-7.441e+05	9.926e+04	7.844e+04
8	144	242.50	-1.092e+04	-2.806e+04	1120.33	7.492e+04	1.623e+05	4.482e+04
8	158	-50.00	-3.917e+04	-4598.01	973.11	-7.848e+04	-1.441e+05	1.074e+04
8	158	25.00	-3.753e+04	-4668.27	973.11	-2.846e+05	-6.941e+04	1.182e+04
8	158	102.50	-2.790e+04	-4625.09	1411.57	-1.288e+05	4.311e+04	9740.28
8	158	180.00	-1.932e+04	-4655.63	1423.39	-2.491e+05	1.507e+05	1.442e+04
8	158	242.50	-1.225e+04	-4594.13	1624.67	-3.039e+04	2.427e+05	7186.29
8	159	-50.00	-3.697e+04	-1.645e+04	547.50	-1.972e+05	-1.001e+05	3.175e+04
8	159	25.00	-3.543e+04	-1.665e+04	547.50	-3.129e+05	-4.043e+04	5.699e+04
8	159	102.50	-2.682e+04	-1.660e+04	1003.83	-6.421e+05	3.832e+04	5.360e+04
8	159	180.00	-1.851e+04	-1.651e+04	1138.15	-6.154e+05	1.252e+05	4.179e+04
8	159	242.50	-1.159e+04	-1.632e+04	1374.27	1.373e+04	2.032e+05	2.179e+04
8	164	-50.00	-3.917e+04	-4517.44	952.53	-7.724e+04	-1.454e+05	1.062e+04
8	164	25.00	-3.751e+04	-4589.56	952.53	-2.820e+05	-6.902e+04	1.158e+04
8	164	102.50	-2.788e+04	-4543.36	1407.48	-1.272e+05	4.344e+04	9432.73
8	164	180.00	-1.930e+04	-4574.71	1421.07	-2.450e+05	1.508e+05	1.419e+04
8	164	242.50	-1.223e+04	-4514.31	1621.33	-3.033e+04	2.427e+05	7072.95
8	169	-50.00	-4.085e+04	-6564.43	3537.29	-3.650e+05	-2.998e+05	1.077e+04
8	169	25.00	-3.920e+04	-6636.55	3537.29	-5.698e+05	-2.229e+05	1.127e+04
8	169	102.50	-2.914e+04	-6410.27	2887.98	-4.093e+05	4.392e+04	1.073e+04
8	169	180.00	-2.072e+04	-6118.59	2032.92	-3.881e+05	2.305e+05	1.464e+04
8	169	242.50	-1.402e+04	-5721.92	1410.97	-3.527e+04	3.409e+05	7769.05
8	180	-50.00	-3.773e+04	-6368.69	-1598.96	3.129e+04	1.163e+04	1.668e+04
8	180	25.00	-3.607e+04	-6440.81	-1598.96	-1.735e+05	8.734e+04	2.009e+04
8	180	102.50	-2.661e+04	-6189.72	-124.03	-8.666e+04	4.336e+04	1.586e+04
8	180	180.00	-1.788e+04	-6332.25	810.96	-3.000e+05	6.942e+04	2.041e+04
8	180	242.50	-1.044e+04	-6419.15	1842.10	-5.835e+04	1.432e+05	1.199e+04
8	187	-50.00	-3.888e+04	-1.059e+04	181.48	-1.223e+06	-9.970e+04	2932.23
8	187	25.00	-3.722e+04	-1.067e+04	181.48	-1.428e+06	-2.358e+04	2074.78
8	187	102.50	-2.754e+04	-8363.14	961.68	-8.938e+05	4.284e+04	-1391.79
8	187	180.00	-1.898e+04	-6741.09	1253.82	-5.193e+05	1.267e+05	7009.52
8	187	242.50	-1.172e+04	-5264.47	1696.58	-5.645e+04	2.143e+05	359.22
8	188	-50.00	-3.863e+04	-220.38	189.05	9.823e+05	-9.688e+04	2.142e+04
8	188	25.00	-3.697e+04	-292.50	189.05	7.775e+05	-2.069e+04	2.485e+04
8	188	102.50	-2.750e+04	-2263.28	934.41	5.629e+05	4.380e+04	2.362e+04
8	188	180.00	-1.877e+04	-3847.77	1228.60	-4.174e+04	1.260e+05	2.459e+04
8	188	242.50	-1.168e+04	-5158.06	1683.71	-2.054e+04	2.117e+05	1.647e+04
8	207	-50.00	-3.970e+04	-4784.66	-1519.38	-3.027e+04	4.969e+04	1.187e+04
8	207	25.00	-3.783e+04	-4870.50	-1519.38	-2.649e+05	-6.590e+04	1.349e+04
8	207	102.50	-2.792e+04	-4832.09	253.22	-1.291e+05	-3.913e+04	9960.23
8	207	180.00	-1.909e+04	-4884.84	1561.24	-2.565e+05	8.178e+04	1.529e+04
8	207	242.50	-1.196e+04	-4831.89	2849.27	-4.280e+04	2.563e+05	7650.43
8	208	-50.00	-3.976e+04	-5090.75	-1479.58	-1.052e+05	4.383e+04	1.149e+04
8	208	25.00	-3.789e+04	-5161.25	-1479.58	-3.182e+05	-6.880e+04	1.302e+04
8	208	102.50	-2.798e+04	-5064.04	289.67	-1.509e+05	-3.925e+04	9673.83
8	208	180.00	-1.916e+04	-5090.59	1598.11	-2.509e+05	8.432e+04	1.521e+04
8	208	242.50	-1.203e+04	-5017.01	2890.57	-2.152e+04	2.613e+05	7697.24
8	227	-50.00	-3.938e+04	-5179.91	189.79	-1.953e+05	-8.448e+04	1.043e+04
8	227	25.00	-3.764e+04	-5227.46	189.79	-3.703e+05	-6.706e+04	1.146e+04
8	227	102.50	-2.789e+04	-5081.55	1049.24	-1.670e+05	1.886e+04	9206.38
8	227	180.00	-1.922e+04	-5078.05	1451.41	-2.418e+05	1.293e+05	1.447e+04
8	227	242.50	-1.212e+04	-4982.10	1968.69	1720.65	2.447e+05	7395.54
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-5.175e+04	-4.672e+04	-6385.46	-1.907e+06	-2.998e+05	-1391.79
			-6448.27	1445.78	3537.29	1.610e+06	3.863e+05	1.690e+05

Macro	Tipo	Angolo 1-Z (gradi)
9	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
9	4	-50.00	-6.559e+04	24.16	-756.93	3.999e+05	4.856e+04	1154.33
9	4	25.00	-6.814e+04	450.69	-756.93	5.305e+04	-7446.94	544.10
9	5	-50.00	-9.006e+04	128.52	-1048.87	5.339e+05	6.596e+04	1778.84
9	5	25.00	-9.345e+04	629.24	-1048.87	8.159e+04	-1.014e+04	894.22
9	15	-50.00	-8.552e+04	-1345.45	-1006.30	1.036e+06	7.143e+04	4.381e+04
9	15	25.00	-8.915e+04	453.25	-1006.30	1.159e+05	-8235.15	3.819e+04
9	16	-50.00	-6.585e+04	-1352.70	-779.22	9.157e+05	5.686e+04	4.347e+04
9	16	25.00	-6.871e+04	318.04	-779.22	1.000e+05	-6001.07	3.803e+04
9	22	-50.00	-6.391e+04	-4.030e+04	2163.95	-6.845e+05	-2.028e+04	2.016e+04
9	22	25.00	-6.646e+04	-3.987e+04	2163.95	-1.031e+06	-6.734e+04	3.511e+04
9	38	-50.00	-6.406e+04	-4.113e+04	2150.58	-3.750e+05	-1.530e+04	4.555e+04
9	38	25.00	-6.680e+04	-3.995e+04	2150.58	-1.003e+06	-6.647e+04	5.760e+04
9	89	-50.00	-9.302e+04	446.86	-1.757e+04	7.570e+05	6.855e+05	1.630e+04
9	89	25.00	-9.641e+04	947.59	-1.757e+04	3.047e+05	6.085e+05	2.858e+04
9	103	-50.00	-9.036e+04	-264.13	-2.852e+04	1.201e+06	1.101e+06	5.109e+04
9	103	25.00	-9.386e+04	1036.88	-2.852e+04	4.691e+05	1.022e+06	6.934e+04
9	115	-50.00	-6.447e+04	-2.686e+04	1190.33	-3.230e+05	2664.38	1.383e+04
9	115	25.00	-6.702e+04	-2.643e+04	1190.33	-6.699e+05	-4.737e+04	2.359e+04
9	123	-50.00	-6.457e+04	-2.741e+04	1181.41	-1.167e+05	5983.97	3.075e+04
9	123	25.00	-6.725e+04	-2.649e+04	1181.41	-6.511e+05	-4.680e+04	3.858e+04
9	149	-50.00	-7.076e+04	301.13	-1.181e+04	5.580e+05	4.634e+05	1.102e+04
9	149	25.00	-7.336e+04	691.82	-1.181e+04	2.102e+05	4.046e+05	1.912e+04
9	156	-50.00	-6.898e+04	-172.87	-1.912e+04	8.542e+05	7.402e+05	3.421e+04
9	156	25.00	-7.166e+04	751.35	-1.912e+04	3.198e+05	6.805e+05	4.630e+04
9	159	-50.00	-6.568e+04	-434.79	-764.36	5.718e+05	5.132e+04	1.526e+04
9	159	25.00	-6.833e+04	406.48	-764.36	6.870e+04	-6964.99	1.304e+04
9	160	-50.00	-6.537e+04	-5352.50	-367.48	2.553e+05	3.938e+04	3688.94
9	160	25.00	-6.791e+04	-4925.96	-367.48	-9.154e+04	-1.543e+04	5152.31
9	163	-50.00	-6.625e+04	94.90	-4427.23	4.495e+05	1.862e+05	4381.54
9	163	25.00	-6.880e+04	521.44	-4427.23	1.026e+05	1.300e+05	6695.96
9	164	-50.00	-6.559e+04	24.16	-756.93	3.999e+05	4.856e+04	1154.33
9	164	25.00	-6.814e+04	450.69	-756.93	5.305e+04	-7446.94	544.10
9	166	-50.00	-6.672e+04	1.583e+04	-4903.10	8.093e+05	1.884e+05	-1.076e+04
9	166	25.00	-6.926e+04	1.625e+04	-4903.10	4.624e+05	1.288e+05	-2.016e+04
9	183	-50.00	-6.371e+04	-5143.72	9655.80	2.251e+05	-3.373e+05	1.904e+04
9	183	25.00	-6.626e+04	-4717.19	9655.80	-1.218e+05	-3.917e+05	2.959e+04
9	190	-50.00	-6.761e+04	4946.53	-1.178e+04	6.574e+05	4.574e+05	8310.10
9	190	25.00	-7.016e+04	5373.07	-1.178e+04	3.106e+05	3.998e+05	1.421e+04
9	191	-50.00	-6.357e+04	-4898.21	1.027e+04	1.424e+05	-3.603e+05	-6001.45
9	191	25.00	-6.612e+04	-4471.68	1.027e+04	-2.045e+05	-4.147e+05	-1.312e+04
9	198	-50.00	-6.485e+04	-1501.56	-707.74	2.222e+04	4.646e+04	490.72
9	198	25.00	-6.780e+04	-935.48	-707.74	-1.755e+05	-7134.28	89.41
9	199	-50.00	-6.633e+04	1549.87	-806.12	7.776e+05	5.066e+04	1817.94
9	199	25.00	-6.848e+04	1836.87	-806.12	2.816e+05	-7759.61	998.78
9	203	-50.00	-6.624e+04	1547.93	-801.16	7.659e+05	4.993e+04	1874.55
9	203	25.00	-6.843e+04	1814.35	-801.16	2.797e+05	-7656.00	1034.99
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-9.641e+04	-4.113e+04	-2.852e+04	-1.031e+06	-4.147e+05	-2.016e+04
			-6.357e+04	1.625e+04	1.027e+04	1.201e+06	1.101e+06	6.934e+04

Macro	Tipo	Angolo 1-Z (gradi)
10	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
10	4	-50.00	-6.253e+04	-327.99	-80.93	2.912e+06	5074.65	3639.28

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
10	4	25.00	-6.019e+04	1014.24	-81.07	1.714e+05	-769.84	3253.80
10	15	-50.00	-1.404e+05	6049.31	-1.028e+04	3.879e+07	4.393e+05	2.098e+05
10	15	25.00	-1.096e+05	1.705e+04	-1.029e+04	1.770e+07	-2.744e+05	-2.342e+04
10	21	-50.00	-7.974e+04	-3.062e+04	-466.33	2.794e+06	6.059e+04	5.348e+04
10	21	25.00	-7.668e+04	-2.893e+04	-503.63	-8.314e+05	7.734e+04	1.034e+05
10	35	-50.00	-1.395e+05	-1.207e+04	-1.050e+04	3.820e+07	4.717e+05	2.391e+05
10	35	25.00	-1.087e+05	-1097.21	-1.053e+04	1.707e+07	-2.274e+05	3.606e+04
10	44	-50.00	-6.085e+04	-3.049e+04	1625.86	1.910e+06	-6.368e+04	-3.729e+04
10	44	25.00	-5.850e+04	-2.920e+04	1664.64	-8.936e+05	-5.209e+04	-9.390e+04
10	101	-50.00	-1.406e+05	5939.35	-2.654e+04	3.879e+07	1.051e+06	2.133e+05
10	101	25.00	-1.098e+05	1.694e+04	-2.658e+04	1.770e+07	3.342e+05	-1.034e+04
10	115	-50.00	-6.150e+04	-2.046e+04	-321.67	2.251e+06	4.107e+04	3.614e+04
10	115	25.00	-5.915e+04	-1.915e+04	-346.56	-5.314e+05	5.146e+04	6.934e+04
10	122	-50.00	-1.013e+05	-8088.53	-7010.55	2.585e+07	3.151e+05	1.599e+05
10	122	25.00	-8.049e+04	-596.24	-7032.97	1.140e+07	-1.517e+05	2.447e+04
10	126	-50.00	-6.141e+04	-2.043e+04	1056.93	2.244e+06	-4.076e+04	-2.365e+04
10	126	25.00	-5.906e+04	-1.913e+04	1082.73	-5.386e+05	-3.498e+04	-6.152e+04
10	155	-50.00	-1.021e+05	3915.83	-1.771e+04	2.625e+07	7.013e+05	1.427e+05
10	155	25.00	-8.124e+04	1.143e+04	-1.773e+04	1.182e+07	2.227e+05	-6459.99
10	159	-50.00	-8.224e+04	1830.58	-3473.52	1.458e+07	1.493e+05	7.201e+04
10	159	25.00	-7.065e+04	6258.55	-3477.37	5.998e+06	-9.189e+04	-5963.15
10	161	-50.00	-6.231e+04	-4349.13	146.64	2.778e+06	-4092.43	-1818.35
10	161	25.00	-5.996e+04	-3014.48	151.69	2.936e+04	-7612.74	-9700.61
10	164	-50.00	-6.253e+04	-327.99	-80.93	2.912e+06	5074.65	3639.28
10	164	25.00	-6.019e+04	1014.24	-81.07	1.714e+05	-769.84	3253.80
10	167	-50.00	-6.194e+04	-1.200e+04	2757.65	2.561e+06	-8.617e+04	2.584e+04
10	167	25.00	-5.960e+04	-1.068e+04	2747.45	-2.024e+05	-8.200e+04	4.698e+04
10	169	-50.00	-6.305e+04	1.137e+04	3214.76	3.263e+06	-1.345e+05	-1.567e+04
10	169	25.00	-6.072e+04	1.273e+04	3233.39	5.460e+05	-1.491e+05	-3.730e+04
10	178	-50.00	-6.317e+04	1.131e+04	-3895.86	3.265e+06	1.503e+05	2.004e+04
10	178	25.00	-6.082e+04	1.268e+04	-3915.46	5.487e+05	1.371e+05	4.315e+04
10	179	-50.00	-6.189e+04	-1.197e+04	3734.00	2.558e+06	-1.402e+05	-1.277e+04
10	179	25.00	-5.955e+04	-1.065e+04	3753.32	-2.060e+05	-1.387e+05	-3.665e+04
10	198	-50.00	-6.152e+04	-1871.72	-68.52	2.377e+06	3747.66	3357.51
10	198	25.00	-5.954e+04	-579.61	-68.49	-2.319e+05	-554.38	3011.52
10	199	-50.00	-6.354e+04	1215.74	-93.34	3.446e+06	6401.65	3921.06
10	199	25.00	-6.084e+04	2608.10	-93.66	5.746e+05	-985.29	3496.08
10	200	-50.00	-6.353e+04	1248.18	-80.74	3.450e+06	4458.66	3990.47
10	200	25.00	-6.083e+04	2626.38	-80.75	5.794e+05	-655.32	3588.93
10	203	-50.00	-6.354e+04	1230.40	-81.87	3.448e+06	4573.36	4026.97
10	203	25.00	-6.084e+04	2616.21	-81.91	5.770e+05	-670.68	3622.28
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1.406e+05	-3.062e+04	-2.658e+04	-8.936e+05	-2.744e+05	-9.390e+04
			-5.850e+04	1.705e+04	3753.32	3.879e+07	1.051e+06	2.391e+05

Macro	Tipo	Angolo 1-Z (gradi)
11	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
11	5	-50.00	-9.013e+04	225.39	819.33	5.373e+05	-5.216e+04	8621.89
11	5	25.00	-9.359e+04	697.88	819.33	9.529e+04	8129.59	8715.15
11	15	-50.00	-8.493e+04	-893.66	-505.07	5.397e+05	1.509e+04	5.276e+04
11	15	25.00	-8.918e+04	408.73	-505.07	-2.255e+04	-2598.96	4.967e+04
11	16	-50.00	-6.524e+04	-921.07	-684.52	4.186e+05	2.679e+04	5.088e+04
11	16	25.00	-6.871e+04	258.88	-684.52	-4.143e+04	-4417.30	4.777e+04
11	37	-50.00	-8.526e+04	-2.878e+04	-3934.17	1.340e+05	1.380e+05	6.454e+04
11	37	25.00	-8.917e+04	-2.779e+04	-3934.17	-3.807e+05	1.492e+05	8.796e+04
11	45	-50.00	-9.030e+04	-2.396e+04	-1058.66	2.814e+05	-6395.93	-4996.97
11	45	25.00	-9.377e+04	-2.349e+04	-1058.66	-1.606e+05	5.024e+04	-2.070e+04
11	60	-50.00	-6.568e+04	-4.083e+04	-3301.41	-1.377e+04	7.673e+04	1.034e+04
11	60	25.00	-6.881e+04	-3.996e+04	-3301.41	-4.261e+05	6.996e+04	-1.783e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
11	104	-50.00	-6.114e+04	-951.63	-2.773e+04	-3.715e+04	1.034e+06	5.335e+04
11	104	25.00	-6.427e+04	-80.41	-2.773e+04	-4.495e+05	1.032e+06	7.795e+04
11	123	-50.00	-6.559e+04	-1.918e+04	-2543.02	1.432e+05	8.680e+04	4.386e+04
11	123	25.00	-6.855e+04	-1.846e+04	-2543.02	-2.454e+05	1.003e+05	5.948e+04
11	127	-50.00	-6.895e+04	-1.596e+04	-626.01	2.414e+05	-9466.68	-2495.68
11	127	25.00	-7.161e+04	-1.559e+04	-626.01	-9.867e+04	3.430e+04	-1.296e+04
11	134	-50.00	-6.567e+04	-2.719e+04	-2001.55	1.254e+05	3.815e+04	8980.84
11	134	25.00	-6.862e+04	-2.647e+04	-2001.55	-2.631e+05	4.866e+04	-9777.92
11	156	-50.00	-6.264e+04	-603.97	-1.828e+04	1.098e+05	6.763e+05	3.765e+04
11	156	25.00	-6.559e+04	112.89	-1.828e+04	-2.787e+05	6.898e+05	5.408e+04
11	158	-50.00	-6.625e+04	122.32	606.40	3.977e+05	-3.886e+04	6206.52
11	158	25.00	-6.883e+04	496.57	606.40	6.520e+04	6058.36	6270.63
11	159	-50.00	-6.550e+04	-246.11	170.62	4.088e+05	-1.708e+04	2.114e+04
11	159	25.00	-6.840e+04	419.29	170.62	2.814e+04	2568.33	2.014e+04
11	161	-50.00	-6.567e+04	-5284.13	180.86	3.470e+05	-2.885e+04	3240.84
11	161	25.00	-6.828e+04	-4876.01	180.86	6067.59	1.542e+04	-208.47
11	163	-50.00	-6.507e+04	33.30	-3075.63	3.439e+05	9.879e+04	8975.37
11	163	25.00	-6.768e+04	441.42	-3075.63	2949.85	1.437e+05	1.256e+04
11	164	-50.00	-6.564e+04	91.37	598.19	4.038e+05	-3.902e+04	6267.25
11	164	25.00	-6.824e+04	499.49	598.19	6.293e+04	6061.15	6328.02
11	173	-50.00	-6.597e+04	1.589e+04	4829.15	5.780e+05	-1.819e+05	1.980e+04
11	173	25.00	-6.858e+04	1.630e+04	4829.15	2.371e+05	-1.343e+05	3.282e+04
11	183	-50.00	-6.713e+04	-2709.42	1.023e+04	4.410e+05	-4.002e+05	2.576e+04
11	183	25.00	-6.973e+04	-2301.29	1.023e+04	1.001e+05	-3.547e+05	3.811e+04
11	194	-50.00	-6.403e+04	4604.73	-9740.47	2.792e+05	3.535e+05	1.670e+04
11	194	25.00	-6.663e+04	5012.86	-9740.47	-6.176e+04	3.987e+05	2.983e+04
11	195	-50.00	-6.725e+04	-4422.00	1.094e+04	5.285e+05	-4.316e+05	-4166.22
11	195	25.00	-6.985e+04	-4013.87	1.094e+04	1.876e+05	-3.866e+05	-1.717e+04
11	202	-50.00	-6.491e+04	-1464.96	558.66	3.023e+04	-3.748e+04	6252.13
11	202	25.00	-6.791e+04	-901.09	558.66	-1.689e+05	5817.86	6131.49
11	203	-50.00	-6.637e+04	1647.69	637.72	7.775e+05	-4.056e+04	6282.37
11	203	25.00	-6.857e+04	1900.08	637.72	2.947e+05	6304.44	6524.55
11	208	-50.00	-6.537e+04	-860.23	587.19	2.069e+05	-3.901e+04	6837.69
11	208	25.00	-6.814e+04	-319.26	587.19	-7.249e+04	6085.82	6859.96
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-9.377e+04	-4.083e+04	-2.773e+04	-4.495e+05	-4.316e+05	-2.070e+04
			-6.114e+04	1.630e+04	1.094e+04	7.775e+05	1.034e+06	8.796e+04

Macro	Tipo	Angolo 1-Z (gradi)
12	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
12	4	-50.00	-5.404e+04	-5371.88	-199.19	4.005e+06	2.258e+04	7659.87
12	4	25.00	-5.644e+04	-4266.83	-186.47	2.226e+06	1.169e+04	1.860e+04
12	15	-50.00	-8.453e+04	5908.01	-4106.50	2.029e+06	4.097e+05	9.703e+04
12	15	25.00	-8.090e+04	8303.89	-3981.59	1.014e+06	2.158e+05	1.614e+05
12	16	-50.00	-6.832e+04	7519.57	-4046.74	8.271e+05	4.030e+05	9.473e+04
12	16	25.00	-6.396e+04	9583.93	-3925.65	3.463e+05	2.123e+05	1.558e+05
12	35	-50.00	-8.668e+04	-9508.69	-4326.24	2.802e+06	4.844e+05	1.260e+05
12	35	25.00	-8.291e+04	-6560.04	-4200.32	1.862e+06	2.928e+05	2.011e+05
12	43	-50.00	-7.524e+04	-5.192e+04	-897.20	7.414e+06	1.706e+05	2.034e+04
12	43	25.00	-7.828e+04	-4.924e+04	-880.31	5.268e+06	1.635e+05	3.630e+04
12	57	-50.00	-8.753e+04	-2.105e+04	-4489.45	3.353e+06	4.945e+05	1.033e+05
12	57	25.00	-8.384e+04	-1.791e+04	-4364.33	2.439e+06	3.048e+05	1.687e+05
12	66	-50.00	-5.038e+04	6553.41	-2.007e+04	4.220e+06	9.550e+05	-8.971e+04
12	66	25.00	-5.238e+04	7000.35	-2.001e+04	2.357e+06	9.519e+05	-6.174e+04
12	122	-50.00	-6.499e+04	-7055.37	-2910.72	2.402e+06	3.259e+05	8.502e+04
12	122	25.00	-6.280e+04	-4942.27	-2825.07	1.538e+06	1.967e+05	1.365e+05
12	126	-50.00	-5.736e+04	-3.533e+04	-624.69	5.477e+06	1.168e+05	1.458e+04
12	126	25.00	-5.971e+04	-3.339e+04	-611.74	3.809e+06	1.106e+05	2.668e+04
12	133	-50.00	-6.556e+04	-1.475e+04	-3019.52	2.769e+06	3.327e+05	6.986e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
12	133	25.00	-6.342e+04	-1.251e+04	-2934.42	1.923e+06	2.048e+05	1.149e+05
12	137	-50.00	-5.160e+04	2578.32	-1.345e+04	4.148e+06	6.442e+05	-5.725e+04
12	137	25.00	-5.373e+04	3244.63	-1.340e+04	2.313e+06	6.385e+05	-3.496e+04
12	159	-50.00	-5.880e+04	-1074.73	-1481.71	2.946e+06	1.494e+05	3.668e+04
12	159	25.00	-5.895e+04	350.09	-1432.86	1.600e+06	7.857e+04	6.434e+04
12	161	-50.00	-5.470e+04	-1.136e+04	-284.29	4.300e+06	4.142e+04	9044.35
12	161	25.00	-5.709e+04	-1.009e+04	-271.52	2.543e+06	3.147e+04	2.022e+04
12	162	-50.00	-5.355e+04	-3781.84	-2848.55	4.034e+06	1.469e+05	-5322.54
12	162	25.00	-5.590e+04	-2764.54	-2829.36	2.244e+06	1.371e+05	7890.15
12	164	-50.00	-5.404e+04	-5371.88	-199.19	4.005e+06	2.258e+04	7659.87
12	164	25.00	-5.644e+04	-4266.83	-186.47	2.226e+06	1.169e+04	1.860e+04
12	174	-50.00	-5.168e+04	1.350e+04	-2258.79	3.184e+06	7.618e+04	-7550.10
12	174	25.00	-5.408e+04	1.405e+04	-2240.51	1.331e+06	6.348e+04	4647.62
12	175	-50.00	-5.639e+04	-2.424e+04	1860.41	4.827e+06	-3.102e+04	2.287e+04
12	175	25.00	-5.881e+04	-2.258e+04	1867.58	3.122e+06	-4.010e+04	3.256e+04
12	183	-50.00	-5.586e+04	-1.294e+04	7452.76	4.072e+06	-3.240e+05	5.085e+04
12	183	25.00	-5.838e+04	-1.147e+04	7446.87	2.338e+06	-3.374e+05	5.731e+04
12	208	-50.00	-5.451e+04	-7011.83	82.05	4.154e+06	-1.716e+04	8551.21
12	208	25.00	-5.685e+04	-5906.53	94.42	2.253e+06	-4539.60	2.120e+04
12	209	-50.00	-5.343e+04	-3778.28	743.92	3.845e+06	-1.041e+05	6731.03
12	209	25.00	-5.595e+04	-2649.87	756.60	2.198e+06	-4.486e+04	1.580e+04
12	212	-50.00	-5.464e+04	-6965.49	-1142.30	4.166e+06	1.493e+05	8588.71
12	212	25.00	-5.693e+04	-5883.79	-1129.54	2.255e+06	6.824e+04	2.140e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-8.753e+04	-5.192e+04	-2.007e+04	3.463e+05	-3.374e+05	-8.971e+04
			-5.038e+04	1.405e+04	7452.76	7.414e+06	9.550e+05	2.011e+05

Macro	Tipo	Angolo 1-Z (gradi)
13	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
13	15	25.00	-1.296e+04	-1165.03	-1085.30	1.253e+06	1.172e+05	1.987e+05
13	15	102.50	-1.016e+04	-620.57	-1085.30	5.375e+05	4.605e+04	1.011e+05
13	15	180.00	-4935.90	-269.68	-555.50	1.035e+05	1.015e+04	8.586e+04
13	15	242.50	-1328.42	123.40	-183.59	-1.522e+04	-1897.07	5.453e+04
13	16	25.00	-1.112e+04	-1158.16	-1074.07	1.255e+06	1.153e+05	1.982e+05
13	16	102.50	-8334.40	-651.01	-1074.07	5.426e+05	4.602e+04	1.003e+05
13	16	180.00	-3895.28	-295.79	-568.97	1.036e+05	9689.34	8.464e+04
13	16	242.50	-1005.82	116.36	-187.01	-1.594e+04	-1900.73	5.381e+04
13	35	25.00	-1.308e+04	-2992.96	-1672.48	1.417e+06	1.465e+05	2.075e+05
13	35	102.50	-1.028e+04	-2448.50	-1672.48	7.017e+05	7.376e+04	1.105e+05
13	35	180.00	-4970.68	-1461.73	-755.05	1.648e+05	1.380e+04	8.942e+04
13	35	242.50	-1316.13	-348.69	-157.68	-1.003e+04	-3576.60	5.693e+04
13	59	25.00	-1.114e+04	-5995.74	-1341.08	1.211e+06	1.320e+05	1.225e+05
13	59	102.50	-9443.63	-5604.38	-1341.08	7.772e+05	8.190e+04	5.108e+04
13	59	180.00	-4819.39	-3496.05	-712.27	2.363e+05	1.281e+04	4.340e+04
13	59	242.50	-1310.08	-1256.98	-1.99	8633.65	-5524.48	2.447e+04
13	104	25.00	-9247.66	904.34	-2210.68	5.949e+05	1.865e+05	-8744.52
13	104	102.50	-7560.07	1258.38	-2210.68	1.639e+05	1.393e+05	-1.087e+05
13	104	180.00	-3855.86	909.57	-1035.10	-4186.53	3.196e+04	-1.449e+05
13	104	242.50	-922.19	146.95	-89.26	-4.972e+04	-3163.11	-1.494e+05
13	122	25.00	-9534.22	-1998.36	-1119.98	9.435e+05	9.852e+04	1.385e+05
13	122	102.50	-7664.03	-1618.80	-1119.98	4.655e+05	4.919e+04	7.401e+04
13	122	180.00	-3776.28	-962.88	-497.38	1.098e+05	9406.50	6.016e+04
13	122	242.50	-1020.80	-229.33	-103.60	-6366.23	-2382.77	3.827e+04
13	134	25.00	-8246.44	-4000.21	-899.05	8.060e+05	8.882e+04	8.187e+04
13	134	102.50	-7106.66	-3722.72	-899.05	5.159e+05	5.461e+04	3.439e+04
13	134	180.00	-3675.42	-2319.10	-468.86	1.575e+05	8744.58	2.948e+04
13	134	242.50	-1016.77	-834.86	0.19	6073.01	-3681.36	1.664e+04
13	156	25.00	-8207.08	595.26	-1486.27	3.937e+05	1.264e+05	-5308.59
13	156	102.50	-7067.30	872.75	-1486.27	1.036e+05	9.290e+04	-7.161e+04

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
13	156	180.00	-3726.81	635.39	-675.10	-2915.59	2.182e+04	-9.528e+04
13	156	242.50	-973.24	105.79	-55.71	-3.236e+04	-2104.67	-9.882e+04
13	159	25.00	-7789.82	-401.32	-382.98	4.127e+05	4.267e+04	6.711e+04
13	159	102.50	-6832.63	-149.35	-382.98	1.695e+05	1.541e+04	3.511e+04
13	159	180.00	-3610.90	-40.58	-159.72	3.427e+04	4247.22	3.093e+04
13	159	242.50	-1052.17	54.44	-54.75	-3725.57	-625.43	1.954e+04
13	161	25.00	-6150.70	-727.55	-126.83	5.314e+04	1.415e+04	1892.26
13	161	102.50	-6106.52	-603.16	-126.83	4.480e+04	7330.81	1072.79
13	161	180.00	-3475.93	-363.57	-8.74	2.288e+04	2316.79	2703.79
13	161	242.50	-1069.19	-155.63	25.02	4583.22	-573.46	1139.69
13	164	25.00	-6125.93	-22.91	-37.44	-8674.47	6370.18	1563.27
13	164	102.50	-6081.75	101.49	-37.44	-1.701e+04	101.98	2521.88
13	164	180.00	-3468.72	87.03	44.90	-373.71	1526.16	4068.01
13	164	242.50	-1075.34	23.47	11.39	2379.31	12.22	2405.70
13	172	25.00	-6220.70	-1004.36	-593.46	7.862e+04	3.840e+04	-7683.28
13	172	102.50	-6176.52	-879.97	-593.46	7.029e+04	3.072e+04	-1.109e+04
13	172	180.00	-3508.09	-552.96	-165.03	3.134e+04	6800.95	-1.652e+04
13	172	242.50	-1054.93	-270.02	30.12	958.51	-1304.28	-1.724e+04
13	174	25.00	-6040.45	2233.42	114.67	-2.060e+05	-9589.79	-1.065e+04
13	174	102.50	-5996.27	2357.81	114.67	-2.143e+05	-1.438e+04	-6789.28
13	174	180.00	-3443.29	1536.16	158.20	-7.604e+04	565.63	-6271.44
13	174	242.50	-1083.93	569.70	-19.34	-7027.01	1434.14	-6924.13
13	193	25.00	-6055.58	-21.03	645.39	-3468.31	-4.516e+04	5.120e+04
13	193	102.50	-6011.40	103.36	645.39	-1.180e+04	-4.968e+04	6.995e+04
13	193	180.00	-3412.92	77.42	368.81	4458.27	-9123.83	8.221e+04
13	193	242.50	-1124.27	155.12	-7.90	1.627e+04	1321.40	7.474e+04
13	196	25.00	-6196.27	-24.78	-720.28	-1.388e+04	5.790e+04	-4.807e+04
13	196	102.50	-6152.10	99.61	-720.28	-2.222e+04	4.989e+04	-6.491e+04
13	196	180.00	-3524.52	96.63	-279.01	-5205.68	1.218e+04	-7.407e+04
13	196	242.50	-1026.40	-108.18	30.68	-1.151e+04	-1296.97	-6.993e+04
13	202	25.00	-6251.34	-663.14	-521.77	1.235e+05	4.934e+04	-7860.48
13	202	102.50	-6087.01	-504.20	-521.77	3.987e+04	1.166e+04	-1.757e+04
13	202	180.00	-3400.00	-349.88	-235.46	104.75	-522.65	-1.860e+04
13	202	242.50	-1036.63	-90.04	-77.11	-8065.03	-47.41	-1.071e+04
13	204	25.00	-6080.31	704.77	-1.77	-1.307e+05	1.453e+04	-7651.00
13	204	102.50	-6092.54	768.01	-1.77	-7.244e+04	3144.13	-1.213e+04
13	204	180.00	-3511.67	543.87	129.72	-5568.55	4172.37	-9752.68
13	204	242.50	-1097.28	95.12	47.97	9302.37	1054.94	-6657.40
13	222	25.00	-6284.58	-82.35	-863.20	4.645e+04	9.680e+04	-2.953e+04
13	222	102.50	-6107.67	12.05	-863.20	2259.97	2.572e+04	-5.619e+04
13	222	180.00	-3409.03	-13.80	-335.77	-7383.35	1817.59	-5.807e+04
13	222	242.50	-1038.29	-74.08	-93.91	-6094.59	1485.37	-3.516e+04
13	223	25.00	-5967.27	36.54	788.31	-6.380e+04	-8.406e+04	3.266e+04
13	223	102.50	-6055.83	190.92	788.31	-3.628e+04	-2.551e+04	6.123e+04
13	223	180.00	-3528.40	187.86	425.57	6635.94	1234.73	6.621e+04
13	223	242.50	-1112.38	121.02	116.68	1.085e+04	-1460.94	3.997e+04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1.308e+04	-5995.74	-2210.68	-2.143e+05	-8.406e+04	-1.494e+05
			-922.19	2357.81	788.31	1.417e+06	1.865e+05	2.075e+05

Macro	Tipo	Angolo 1-X (gradi)
1	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	15	15	7.39	3.81	4.30	6.90	-1.23	-12.96	-101.88	-42.48	-72.36	41.87
1	15	16	7.40	5.13	6.39	6.15	-1.13	41.80	-155.04	-35.19	-78.05	-96.06
1	15	17	-2.63	-5.38	-2.80	-5.21	0.67	360.71	39.90	360.69	39.92	2.20
1	15	18	-3.19	-26.36	-26.36	-3.19	-0.20	741.90	-190.10	717.40	-165.60	149.11
1	15	19	-0.31	-62.76	-60.18	-2.89	-12.41	1680.23	59.59	1671.92	67.89	115.71
1	15	20	-2.63	-93.33	-92.80	-3.16	6.91	1874.89	4.00	1854.20	24.69	195.63
1	15	21	-4.56	-120.77	-120.66	-4.67	-3.62	726.68	-85.65	593.09	47.95	301.12

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	15	22	-3.68	-171.82	-171.61	-3.90	6.01	768.89	-0.45	734.89	33.55	158.12
1	15	23	-1.39	-19.92	-19.85	-1.45	1.09	36.54	-998.46	-919.42	-42.50	274.88
1	15	24	2.90	-118.74	-118.40	2.56	-6.40	214.48	-314.19	-54.28	-45.44	264.30
1	15	25	19.68	-1.57	19.57	-1.46	-1.51	-49.20	-1287.18	-1270.93	-65.45	140.92
1	15	26	-3.95	-163.65	-163.62	-3.98	2.18	893.40	-577.74	625.95	-310.28	567.39
1	15	27	3.34	-0.76	3.12	-0.54	-0.92	-47.90	-916.55	-916.52	-47.93	-4.56
1	15	28	1.33	-331.09	-330.11	0.35	18.01	107.67	-2330.68	-2024.27	-198.74	808.24
1	15	29	-3.79	-58.22	-57.95	-4.06	3.81	706.30	55.21	705.62	55.89	-21.11
1	15	30	-3.98	-541.33	-540.82	-4.49	-16.46	443.66	-6496.18	-6412.92	360.40	755.53
1	15	31	-3.33	-68.28	-67.71	-3.90	-6.06	1597.47	22.62	1588.50	31.60	118.53
1	15	32	-3.98	-497.45	-497.44	-3.98	1.62	219.97	-7613.10	-7593.44	200.30	392.01
1	15	33	-3.02	-60.50	-60.45	-3.08	-1.78	207.27	-232.83	-26.38	0.82	219.63
1	15	34	-8.16	-653.47	-653.33	-8.30	9.78	86.76	-9263.51	-9263.51	86.75	2.71
1	15	35	12.78	-1.14	12.70	-1.06	1.08	-58.63	-1361.72	-1356.35	-64.00	83.49
1	15	36	-1.19	-4.52	-4.34	-1.36	0.75	458.61	12.41	26.13	444.90	-77.02
1	15	37	3.37	-31.07	-15.37	-12.33	17.15	1315.32	-763.55	362.27	189.50	-1035.84
1	15	38	-6.27	-68.81	-68.81	-6.27	-0.59	1696.34	-2646.83	1601.42	-2551.91	634.99
1	15	39	-11.47	-78.29	-73.93	-15.83	-16.50	3399.65	-2446.42	746.86	206.38	2910.52
1	15	40	7.95	-51.63	-37.57	-6.12	-25.30	2026.29	-2214.21	-960.70	772.78	1935.00
1	15	41	-6.22	-14.55	-10.38	-10.38	-4.16	1201.87	-1560.30	-1247.13	888.70	875.76
1	15	42	7.19	-29.84	-14.52	-8.12	18.23	890.90	-1039.27	-1001.24	852.87	-268.24
1	15	43	4.09	-62.03	-51.54	-6.40	24.15	2009.41	-817.32	1055.21	136.87	-1336.70
1	15	44	-10.85	-81.16	-79.25	-12.76	-11.44	1765.15	-2525.94	1421.97	-2182.75	1163.99
1	15	45	-9.49	-54.47	-50.39	-13.57	-12.92	2591.97	-1857.25	18.45	716.27	2197.08
1	15	46	-8.19	-18.16	-17.51	-8.85	-2.48	1165.54	-1504.46	-1335.10	996.18	650.77
1	15	47	10.69	-39.41	-21.01	-7.71	24.15	1213.00	-1552.86	-1299.19	959.32	-798.30
1	15	48	-2.20	-61.85	-49.08	-14.97	24.47	2440.21	-1819.32	-51.96	672.84	-2098.71
1	15	49	-5.63	-79.46	-73.84	-11.25	19.58	1530.78	-2467.12	1278.24	-2214.59	-972.54
1	15	50	2.54	-46.48	-39.16	-4.79	-17.47	2020.68	-1127.98	792.11	100.59	1535.89
1	15	51	19.10	-17.36	8.50	-6.75	-16.56	912.42	-1446.48	-1286.51	752.45	593.11
1	15	52	34.57	-8.37	33.88	-7.68	-5.37	818.01	-1706.35	-1664.92	776.58	-320.74
1	15	54	34.52	-3.01	33.92	-2.41	4.71	1071.40	-2243.28	-1862.89	691.00	-1056.49
1	15	55	19.72	-28.50	12.40	-21.17	17.31	1815.76	-2988.15	-1336.64	164.24	-2281.72
1	15	56	0.77	-33.59	-28.02	-4.80	12.66	1559.00	-2348.58	1478.39	-2267.96	-555.43
1	15	57	6.86	-28.98	-22.30	0.18	-13.96	1530.04	-581.93	585.63	362.49	1050.07
1	15	58	-2.33	-7.67	-2.34	-7.66	-0.25	464.03	-18.50	3.24	442.30	100.08
1	15	59	-1.59	-74.54	-3.61	-72.52	-11.97	3116.66	86.02	94.38	3108.29	159.00
1	15	60	-8.49e-02	-80.54	-9.73e-02	-80.52	1.00	3289.41	-2591.00	-2400.40	3098.80	1041.40
1	15	61	-34.99	-64.32	-50.99	-48.31	-14.61	1.524e+04	1.223e+04	1.340e+04	1.407e+04	1463.03
1	15	62	-35.44	-94.40	-84.54	-45.30	-22.01	6125.82	-968.58	-461.42	5618.65	1827.78
1	15	63	-18.33	-97.24	-72.15	-43.42	-36.75	3646.93	-2274.72	-1758.47	3130.68	1670.49
1	15	64	-27.23	-68.27	-57.79	-37.71	-17.90	2954.99	-2472.03	-2208.07	2691.02	1167.41
1	15	65	-42.01	-51.64	-46.75	-46.90	4.82	3915.67	-1905.45	-1830.55	3840.77	656.05
1	15	66	-35.25	-66.07	-36.60	-64.72	6.32	7748.79	50.88	79.65	7720.03	469.67
1	15	67	-56.64	-71.77	-57.63	-70.79	3.73	1.647e+04	1.301e+04	1.323e+04	1.625e+04	846.41
1	15	68	-52.38	-73.33	-72.87	-52.84	3.05	5782.39	-1922.99	-1836.13	5695.54	813.44
1	15	69	-39.75	-73.71	-72.52	-40.94	6.24	3297.55	-2458.29	-2437.72	3276.98	343.51
1	15	70	-25.69	-86.88	-70.72	-41.85	26.98	3531.91	-2339.47	-2317.67	3510.11	-357.13
1	15	71	-34.36	-82.54	-68.85	-48.05	21.73	5829.57	-1881.37	-1814.37	5762.57	-715.65
1	15	72	-38.14	-75.21	-50.36	-63.00	17.43	1.625e+04	1.289e+04	1.305e+04	1.609e+04	-707.83
1	15	73	-24.78	-52.00	-25.22	-51.55	3.44	7436.37	-139.48	-126.29	7423.18	-315.93
1	15	74	-24.11	-36.88	-32.09	-28.90	-6.18	3469.78	-1984.57	-1950.11	3435.31	-432.20
1	15	75	-13.87	-39.89	-39.88	-13.88	0.35	2022.30	-2559.49	-2408.99	1871.80	-816.64
1	15	77	-19.70	-52.72	-52.67	-19.75	1.26	1748.47	-2777.79	-2457.83	1428.50	-1160.12
1	15	78	-53.00	-69.76	-60.09	-62.67	8.28	2682.95	-4525.33	-4296.20	2453.82	-1264.56
1	15	79	-8.30	-81.58	-41.45	-48.43	36.47	1.318e+04	1.139e+04	1.243e+04	1.214e+04	-882.42
1	15	80	2.85	-89.38	1.90	-88.43	9.29	2473.40	-2010.85	-1944.31	2406.86	-542.15
1	15	81	-3.02	-92.77	-3.99	-91.80	9.27	2457.50	52.07	55.94	2453.64	-96.36
1	15	82	-17.63	-98.47	-41.20	-74.90	-36.74	4715.09	-1381.50	3589.54	-255.94	2365.41
1	15	83	-60.93	-124.70	-61.48	-124.16	-5.87	3593.65	772.11	3182.69	1183.07	995.32
1	15	84	-48.75	-111.27	-55.42	-104.60	19.30	3445.04	816.79	3087.95	1173.89	-900.56
1	15	85	-6.18	-120.77	-44.01	-82.93	53.89	3320.15	-1306.96	3134.59	-1121.40	-907.84
1	15	86	-4.13	-115.36	-4.33	-115.16	-4.70	767.97	-188.96	17.58	561.43	393.68
1	15	87	-1.42	-71.34	-22.44	-50.32	-32.06	3999.86	-3213.14	306.04	480.69	3605.44
1	15	88	16.97	-168.32	-65.92	-85.43	-92.13	1720.76	905.29	1058.17	1567.89	318.27
1	15	89	-5.48	-144.58	-67.66	-82.40	-69.16	1561.58	-2062.26	-1788.93	1288.26	956.97
1	15	90	-34.57	-106.53	-62.74	-78.36	-35.12	1680.52	-2978.79	-2463.80	1165.52	1460.93

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	15	91	-57.19	-96.93	-57.84	-96.29	-5.02	2687.26	-2707.47	-1761.29	1741.08	2051.62
1	15	92	-47.39	-121.04	-47.52	-120.92	3.07	4343.67	-940.41	1199.48	2203.78	2593.88
1	15	93	-71.30	-117.67	-83.71	-105.26	-20.53	3034.44	-567.97	-22.14	2488.61	-1291.66
1	15	94	-79.00	-90.42	-90.36	-79.06	0.84	1715.91	-2586.55	-2576.03	1705.40	-212.44
1	15	95	-52.72	-116.55	-88.16	-81.11	31.72	1824.51	-2465.44	-2426.30	1785.36	407.92
1	15	96	-43.51	-132.46	-77.91	-98.06	43.32	3092.87	-631.54	-32.34	2493.67	1368.44
1	15	97	-38.95	-96.57	-40.53	-94.99	9.41	4240.14	-986.31	1064.60	2189.24	-2552.01
1	15	98	-48.74	-65.11	-53.88	-59.97	7.60	2566.08	-2809.65	-1849.24	1605.67	-2059.25
1	15	99	-22.83	-77.05	-65.97	-33.91	21.87	1426.93	-3224.16	-2589.33	792.10	-1596.77
1	15	101	-16.72	-102.02	-79.06	-39.67	37.83	904.37	-2754.28	-2318.20	468.29	-1185.45
1	15	102	9.03	-153.57	-78.56	-65.97	81.06	252.38	-1213.31	-1190.96	230.03	179.60
1	15	103	-8.89	-103.34	-26.76	-85.48	36.99	2889.76	-1899.47	541.64	448.64	-2394.16
1	15	104	-4.11	-160.13	-4.29	-159.94	5.40	560.77	-92.99	12.16	455.63	-240.18
1	15	105	62.95	-2.03	-1.92	62.84	2.69	13.04	-1923.81	-46.65	-1864.13	334.73
1	15	106	69.01	-40.44	-3.99	32.56	-51.58	2211.18	-3588.80	427.99	-1805.62	2676.32
1	15	107	50.45	-119.85	-12.09	-57.31	-82.10	1858.18	-4042.31	359.24	-2543.37	2568.60
1	15	108	35.56	-165.97	-19.92	-110.49	-90.02	183.22	-3184.28	-545.24	-2455.82	1386.51
1	15	109	-1.87	-151.81	-39.07	-114.60	-64.76	-877.30	-3246.92	-1956.78	-2167.44	1180.12
1	15	110	-36.04	-129.31	-54.25	-111.11	-36.97	-692.79	-3837.96	-2480.62	-2050.13	1557.78
1	15	111	-57.47	-120.05	-62.15	-115.36	-16.47	-92.52	-3971.38	-1934.04	-2129.86	1936.96
1	15	112	-63.60	-129.49	-64.04	-129.05	-5.35	408.28	-3467.63	-615.03	-2444.32	1708.54
1	15	113	-75.46	-137.94	-77.65	-135.74	-11.50	-158.85	-2797.99	-280.20	-2676.64	552.74
1	15	114	-80.84	-124.83	-84.29	-121.38	-11.82	-1141.83	-2306.01	-1238.23	-2209.62	-320.82
1	15	115	-89.05	-102.98	-90.19	-101.84	3.82	-1768.39	-2630.03	-2585.76	-1812.67	-190.24
1	15	116	-69.21	-118.80	-87.67	-100.35	23.97	-1665.24	-2651.85	-2488.32	-1828.78	366.88
1	15	117	-57.97	-132.78	-79.04	-111.71	33.65	-1119.94	-2322.15	-1278.80	-2163.29	407.12
1	15	118	-57.92	-129.55	-71.64	-115.84	28.18	-262.50	-2648.08	-358.06	-2552.52	-467.79
1	15	119	-50.51	-104.23	-59.27	-95.47	19.85	319.15	-3267.51	-739.98	-2208.38	-1636.15
1	15	120	-40.01	-90.10	-60.98	-69.13	24.71	50.44	-3838.72	-2061.10	-1727.17	-1937.40
1	15	121	-21.68	-92.51	-63.20	-50.99	34.88	-192.38	-3809.68	-2601.41	-1400.65	-1706.09
1	15	123	-12.26	-99.05	-63.75	-47.56	42.63	-175.46	-3048.29	-2038.07	-1185.68	-1371.73
1	15	124	25.27	-134.39	-56.42	-52.70	79.81	85.84	-1686.73	-447.40	-1153.49	-812.93
1	15	125	40.07	-133.85	-39.29	-54.49	86.63	1273.21	-1787.98	848.11	-1362.87	-1058.59
1	15	126	27.07	-77.40	-5.49	-44.84	48.39	1340.43	-1655.24	467.30	-782.11	-1361.35
1	15	127	-1.18	-33.71	-1.42	-33.47	-2.77	19.23	-858.46	-18.29	-820.94	-177.55
1	15	128	192.40	0.88	0.89	192.40	-1.21	-34.75	-3743.69	-48.93	-3729.51	228.88
1	15	129	147.98	-27.05	-8.56	129.49	-53.81	1003.74	-4428.75	358.53	-3783.55	1757.50
1	15	130	75.00	-112.31	18.45	-55.76	-85.99	-376.18	-6137.61	-1107.16	-5406.62	1917.60
1	15	131	28.62	-157.66	4.41	-133.45	-62.63	-1269.79	-6511.11	-1855.43	-5925.47	1651.23
1	15	132	-12.23	-155.74	-22.66	-145.31	-37.25	-1915.79	-6254.67	-2548.45	-5622.01	1531.26
1	15	133	-42.96	-141.81	-47.24	-137.52	-20.12	-2141.49	-6172.21	-2857.27	-5456.43	1540.38
1	15	134	-65.52	-134.46	-66.83	-133.15	-9.41	-1986.83	-6353.47	-2605.73	-5734.57	1522.98
1	15	135	-80.19	-135.61	-80.57	-135.23	-4.56	-1761.40	-6583.42	-2121.94	-6222.88	1268.28
1	15	136	-87.32	-136.55	-87.68	-136.19	-4.22	-1888.93	-6508.29	-2013.47	-6383.75	748.18
1	15	137	-88.50	-130.97	-88.75	-130.73	-3.21	-2423.39	-5990.97	-2443.39	-5970.96	266.41
1	15	138	-84.65	-122.47	-85.58	-121.54	5.85	-3034.59	-5409.58	-3036.41	-5407.76	65.71
1	15	139	-75.56	-125.59	-82.97	-118.18	17.77	-3010.27	-5471.73	-3011.52	-5470.47	55.61
1	15	140	-70.83	-129.66	-82.39	-118.10	23.38	-2482.52	-5936.97	-2486.02	-5933.46	-109.94
1	15	141	-68.72	-124.46	-80.38	-112.81	22.66	-1986.91	-6275.31	-2057.23	-6204.99	-544.62
1	15	142	-60.00	-110.83	-71.69	-99.15	21.39	-1948.68	-6095.02	-2211.12	-5832.57	-1009.60
1	15	143	-43.82	-97.23	-58.78	-82.27	23.98	-2182.60	-5478.93	-2712.35	-4949.18	-1210.61
1	15	144	-25.80	-88.40	-45.15	-69.05	28.93	-2134.01	-4719.00	-2893.34	-3959.67	-1177.40
1	15	146	-18.83	-79.44	-43.12	-55.14	29.70	-1325.73	-3611.21	-2060.95	-2875.98	-1067.61
1	15	147	21.12	-111.67	-73.11	-17.44	60.28	90.84	-2167.55	-197.78	-1878.93	-754.00
1	15	148	41.06	-101.91	-27.47	-33.38	71.42	709.07	-1727.22	371.35	-1389.50	-841.86
1	15	149	26.53	-37.05	-7.40	-3.12	31.72	826.46	-1310.05	413.73	-897.32	-843.48
1	15	150	18.04	-2.22	-2.16	17.98	1.10	-14.91	-975.04	-28.71	-961.24	-114.28
1	15	151	257.09	5.28	5.37	257.01	4.51	3.68	-5536.42	-7.07	-5525.68	243.79
1	15	152	213.62	-37.88	-10.57	186.31	-78.25	12.97	-6082.77	-347.84	-5721.96	1438.48
1	15	153	72.32	-143.24	30.49	-101.41	-85.25	-141.12	-5622.57	-754.63	-5009.06	1728.17
1	15	154	-0.50	-177.94	-2.38	-176.06	-18.16	-258.00	-5234.24	-1447.18	-4045.05	2122.15
1	15	155	-50.70	-161.75	-50.75	-161.70	2.36	-917.65	-4911.88	-2351.22	-3478.31	1915.95
1	15	156	-77.64	-143.69	-77.68	-143.66	1.52	-1505.49	-4555.28	-2699.85	-3360.91	1488.64
1	15	157	-89.24	-138.24	-89.28	-138.20	-1.43	-1759.47	-4262.03	-2431.74	-3589.76	1109.26
1	15	158	-93.17	-141.16	-93.27	-141.07	-2.17	-1595.62	-4295.55	-1967.06	-3924.12	929.99
1	15	159	-95.63	-142.58	-95.64	-142.56	-0.94	-1590.49	-4339.72	-1910.04	-4020.17	881.14
1	15	160	-97.64	-138.31	-97.71	-138.24	1.68	-2069.79	-4109.61	-2381.68	-3797.73	734.11

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	15	161	-96.66	-131.67	-97.91	-130.43	6.49	-2840.06	-3630.61	-2971.70	-3498.97	294.52
1	15	162	-90.50	-130.39	-94.57	-126.32	12.08	-2832.05	-3591.87	-2904.37	-3519.55	-222.98
1	15	163	-83.27	-130.68	-89.24	-124.71	15.72	-2177.58	-3925.00	-2339.80	-3762.78	-507.11
1	15	164	-75.56	-126.11	-83.04	-118.63	17.95	-1717.50	-4038.81	-1853.91	-3902.41	-545.93
1	15	165	-67.33	-114.29	-77.19	-104.43	19.12	-1813.38	-3741.97	-1915.97	-3639.39	-432.81
1	15	166	-57.81	-99.05	-71.09	-85.78	19.26	-2191.30	-3183.59	-2365.10	-3009.78	-377.16
1	15	167	-47.85	-83.58	-63.37	-68.07	17.71	-1950.30	-2854.70	-2525.77	-2279.22	-435.07
1	15	169	-35.74	-69.94	-56.40	-49.27	16.72	-1172.61	-2226.04	-1755.07	-1643.57	-523.76
1	15	170	-2.28	-75.74	-47.81	-30.21	35.66	283.34	-1519.73	3.34	-1239.74	-653.03
1	15	171	25.62	-74.15	-24.13	-24.40	49.89	519.97	-1495.63	323.73	-1299.38	-597.53
1	15	172	29.79	-22.01	-6.73	14.51	23.63	511.22	-1027.52	397.75	-914.05	-402.15
1	15	173	38.12	-2.08	-2.06	38.10	0.90	-23.05	-977.11	-26.65	-973.51	-58.51
1	15	174	219.80	0.47	15.21	205.07	54.91	906.62	-9756.00	825.40	-9674.79	927.01
1	15	175	243.40	-182.04	-158.16	219.52	-97.92	-2019.83	-1.232e+04	-4356.90	-9985.99	4314.79
1	15	176	26.13	-291.17	6.98	-272.02	-75.56	3437.31	-5840.08	721.98	-3124.74	4221.16
1	15	177	-86.34	-220.64	-97.63	-209.34	37.28	1986.70	-4391.08	-1402.83	-1001.55	3182.57
1	15	178	-108.79	-166.04	-119.70	-155.12	22.49	776.07	-4121.02	-2596.31	-748.64	2267.58
1	15	179	-117.52	-137.36	-118.48	-136.40	4.26	-157.35	-3678.12	-3015.00	-820.47	1376.58
1	15	180	-112.77	-137.11	-113.75	-136.13	-4.77	-851.40	-2675.99	-2400.68	-1126.72	653.10
1	15	181	-107.06	-145.64	-108.11	-144.58	-6.28	-885.38	-2076.39	-1384.42	-1577.35	587.64
1	15	182	-110.92	-148.57	-111.09	-148.41	-2.51	-448.10	-2536.43	-1248.26	-1736.27	1015.26
1	15	183	-111.78	-144.29	-111.81	-144.27	0.95	-646.01	-3041.77	-2226.92	-1460.86	1134.99
1	15	184	-108.25	-137.64	-108.82	-137.08	4.04	-1160.36	-3390.24	-3293.82	-1256.78	453.54
1	15	185	-102.97	-135.13	-105.31	-132.78	8.37	-1190.91	-3230.70	-3128.10	-1293.51	-445.82
1	15	186	-98.03	-134.20	-101.51	-130.72	10.66	-843.30	-2723.43	-2052.33	-1514.40	-900.77
1	15	187	-88.58	-130.24	-94.78	-124.05	14.82	-674.11	-2143.74	-1027.34	-1790.52	-627.97
1	15	188	-76.62	-117.59	-85.79	-108.42	17.08	-1112.48	-1624.68	-1112.62	-1624.54	8.55
1	15	189	-66.81	-102.68	-82.25	-87.25	17.76	-1107.43	-2105.11	-2041.47	-1171.07	243.81
1	15	190	-55.95	-89.14	-76.55	-68.53	16.10	-844.66	-2543.99	-2542.05	-846.61	-57.43
1	15	192	-45.27	-76.87	-68.97	-53.18	13.68	-530.94	-2109.05	-1906.64	-733.35	-527.69
1	15	193	-20.34	-74.41	-61.11	-33.64	23.29	491.51	-1697.72	-238.15	-968.07	-1031.98
1	15	194	9.19	-62.84	-28.93	-24.71	35.95	1163.23	-1468.14	1032.56	-1337.47	-571.62
1	15	195	16.89	-13.44	-6.53	9.97	12.72	461.10	-897.73	453.26	-889.90	102.88
1	15	196	29.55	-1.69	-1.60	29.46	1.69	-16.47	-911.80	-16.47	-911.80	1.54
1	15	197	-14.89	-1418.68	-37.26	-1396.30	-175.82	1.648e+04	-1059.17	-1049.79	1.647e+04	-405.39
1	15	198	-35.18	-1189.53	-35.52	-1189.19	19.79	2.055e+04	3777.13	6034.50	1.830e+04	5725.14
1	15	199	-232.57	-453.36	-290.01	-395.93	96.86	9678.60	-5051.51	-2743.37	7370.45	5354.59
1	15	200	-177.69	-263.17	-256.27	-184.59	23.28	4631.75	-2787.21	-1624.32	3468.86	2697.25
1	15	201	-130.69	-185.36	-182.85	-133.20	-11.46	2825.84	-3949.09	-3204.45	2081.20	2119.05
1	15	202	-113.89	-154.28	-139.80	-128.37	-19.37	1729.14	-4023.66	-3777.17	1482.65	1165.00
1	15	203	-111.61	-150.35	-125.21	-136.75	-18.49	1587.84	-2737.53	-2730.14	1580.45	178.63
1	15	204	-117.01	-152.64	-124.60	-145.05	-14.59	1413.86	16.83	71.48	1359.21	-270.85
1	15	205	-123.46	-166.01	-128.92	-160.55	-14.23	1870.65	-1146.48	84.81	639.35	1482.86
1	15	206	-130.39	-147.99	-133.25	-145.13	-6.50	1851.64	-2763.17	-2229.75	1318.21	1475.50
1	15	207	-112.99	-144.82	-113.13	-144.69	-2.06	784.64	-4040.18	-3989.39	733.84	492.44
1	15	208	-108.77	-142.16	-111.64	-139.29	9.36	818.76	-3784.25	-3707.66	742.17	-588.80
1	15	209	-116.47	-139.15	-124.20	-131.41	10.75	1670.13	-2382.45	-1886.36	1174.05	-1328.28
1	15	210	-101.90	-146.53	-112.91	-135.52	19.24	1596.51	-672.54	514.88	409.09	-1133.29
1	15	211	-89.95	-119.07	-100.84	-108.18	14.09	1497.16	-31.90	504.92	960.33	729.83
1	15	212	-72.39	-106.10	-88.82	-89.68	16.85	954.13	-2155.78	-2065.04	863.40	523.40
1	15	213	-56.43	-95.50	-83.25	-68.68	18.12	285.65	-3001.33	-2996.86	281.18	-121.20
1	15	215	-40.79	-95.22	-87.30	-48.71	19.20	294.98	-2766.71	-2574.73	103.00	-742.25
1	15	216	-42.42	-93.92	-86.57	-49.76	18.01	2044.06	-2582.44	-717.62	179.25	-2269.37
1	15	217	15.38	-87.10	-52.00	-19.72	48.64	3582.98	-1544.03	3545.66	-1506.71	-435.84
1	15	218	-7.55	-11.85	-8.61	-10.80	1.85	1474.88	-628.35	438.09	408.44	1051.51
1	15	219	-2.98	-29.91	-3.00	-29.90	-0.53	325.36	6.48	19.15	312.69	62.30
1	15	220	15.59	-1066.27	-12.94	-1037.75	173.33	1.381e+04	-551.20	-488.66	1.375e+04	945.71
1	15	221	177.90	-1309.36	145.89	-1277.35	-215.83	1.495e+04	211.54	2379.91	1.279e+04	-5221.50
1	15	222	-187.52	-542.15	-379.62	-350.05	-176.70	1.036e+04	-389.45	254.85	9716.66	-2551.73
1	15	223	-97.28	-300.17	-212.69	-184.76	-100.48	5971.46	-1035.64	-1030.13	5965.95	196.47
1	15	224	-69.14	-211.67	-130.39	-150.42	-70.56	2702.10	-3875.65	-3765.65	2592.10	843.48
1	15	225	-61.22	-182.01	-94.32	-148.91	-53.88	1691.09	-4636.53	-4475.84	1530.40	995.47
1	15	226	-71.67	-170.42	-94.56	-147.53	-41.67	2571.68	-3761.68	-3615.02	2425.02	952.54
1	15	227	-113.05	-175.85	-144.06	-144.84	-31.40	6334.39	297.06	408.04	6223.42	810.96
1	15	228	-125.21	-216.30	-205.89	-135.61	-28.97	9352.27	5371.73	5493.51	9230.49	685.53
1	15	229	-117.01	-167.19	-120.44	-163.76	-12.66	2860.45	-3125.93	-3101.53	2836.05	381.39
1	15	230	-92.33	-165.73	-92.73	-165.32	-5.45	877.05	-4908.14	-4906.59	875.50	94.65

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	15	231	-94.55	-158.30	-94.71	-158.15	3.13	1032.61	-4571.16	-4565.98	1027.43	-170.22
1	15	232	-114.52	-146.67	-117.02	-144.17	8.61	2841.47	-2574.47	-2550.31	2817.30	-360.95
1	15	233	-100.74	-196.06	-192.02	-104.78	19.20	8818.01	5828.32	5928.96	8717.38	-539.20
1	15	234	-95.21	-135.52	-121.56	-109.16	19.18	5572.23	878.21	955.86	5494.57	-598.74
1	15	235	-57.57	-112.09	-71.39	-98.26	23.72	1568.69	-2837.89	-2739.03	1469.83	-652.58
1	15	236	-43.98	-99.23	-60.66	-82.55	25.36	55.45	-3668.72	-3543.16	-70.11	-672.18
1	15	238	-50.71	-97.73	-84.26	-64.18	21.25	-122.45	-3249.01	-3098.35	-273.10	-669.57
1	15	239	-28.45	-155.56	-145.30	-38.71	34.63	1224.78	-4144.03	-4082.26	1163.01	-572.58
1	15	240	17.38	-115.63	-86.28	-11.96	55.16	1.328e+04	1.112e+04	1.312e+04	1.129e+04	-577.68
1	15	241	4.04e-02	-36.90	-9.14	-27.72	15.96	1745.22	-1799.38	-1731.45	1677.29	-485.98
1	15	242	-2.42	-21.38	-3.47	-20.33	-4.33	1851.67	27.82	30.36	1849.13	-67.98
1	15	243	88.47	-34.83	8.48	45.16	-58.86	816.80	-7485.27	760.90	-7429.37	-678.94
1	15	244	240.67	-155.53	-153.36	238.50	29.25	-3731.12	-8174.36	-4123.59	-7781.89	-1260.87
1	15	245	-8.12	-157.96	-15.38	-150.69	32.19	1436.08	-1916.95	1215.96	-1696.83	-830.43
1	15	246	-52.33	-173.55	-79.08	-146.79	-50.27	874.53	-465.29	-271.73	680.97	-471.03
1	15	247	-44.90	-197.04	-95.54	-146.40	-71.69	1074.22	-2880.72	-2875.08	1068.58	149.21
1	15	248	-50.39	-195.72	-100.36	-145.74	-69.04	1333.11	-4078.36	-3861.25	1116.00	1061.96
1	15	249	-62.86	-196.30	-107.73	-151.43	-63.04	2167.42	-3684.43	-3026.59	1509.59	1848.45
1	15	250	-93.54	-193.55	-125.64	-161.45	-46.69	2728.11	-1614.90	-364.02	1477.23	1966.70
1	15	251	-122.17	-191.95	-136.45	-177.67	-28.14	867.81	-431.60	-401.65	837.85	-195.01
1	15	252	-132.44	-184.43	-149.52	-167.34	-24.42	1703.47	-2898.95	-2792.49	1597.02	-691.83
1	15	253	-130.15	-167.90	-133.57	-164.48	-10.83	1063.33	-4550.66	-4534.01	1046.68	-305.35
1	15	254	-134.00	-157.28	-134.01	-157.27	0.55	1036.87	-4188.51	-4179.13	1027.49	221.23
1	15	255	-135.07	-159.80	-147.03	-147.84	12.36	1486.65	-2354.16	-2267.08	1399.57	571.73
1	15	256	-124.65	-154.30	-131.28	-147.67	12.35	572.58	257.38	274.05	555.91	70.54
1	15	257	-92.51	-145.19	-121.14	-116.55	26.24	2704.48	-1284.84	343.65	1075.99	-1960.76
1	15	258	-64.14	-133.49	-105.67	-91.96	33.99	1795.98	-3000.32	-2127.92	923.58	-1850.19
1	15	259	-47.55	-121.90	-100.18	-69.27	33.81	732.15	-3383.95	-2979.38	327.58	-1225.38
1	15	261	-29.83	-124.41	-106.94	-47.30	36.70	268.89	-2598.00	-2481.89	152.78	-565.15
1	15	262	-7.36	-135.47	-98.11	-44.72	58.22	914.78	-1297.12	-584.75	202.41	1033.55
1	15	263	18.47	-81.34	-58.76	-4.11	41.76	3679.78	-1626.01	3583.93	-1530.15	-706.68
1	15	264	44.82	-42.24	-9.82	12.40	42.09	2423.97	-1643.33	422.58	358.05	-2033.39
1	15	265	6.21	-5.30	-3.81	4.72	3.87	377.30	-90.10	19.87	267.33	-198.26
1	15	266	272.65	3.66	3.66	272.65	3.43e-02	57.09	-4667.50	51.37	-4661.78	164.20
1	15	267	214.69	-14.26	-10.29	210.72	29.87	115.51	-5334.90	-446.87	-4772.51	1658.00
1	15	268	8.33	-37.81	-0.63	-28.85	18.25	292.90	-4384.83	-399.71	-3692.21	1661.37
1	15	269	-9.73	-126.96	-20.65	-116.04	-34.08	-724.28	-2976.24	-1220.02	-2480.50	933.07
1	15	270	-29.02	-167.61	-56.39	-140.24	-55.17	-1110.18	-3140.34	-2666.40	-1584.12	858.81
1	15	271	-50.43	-183.88	-85.17	-149.15	-58.56	-590.94	-4005.50	-3424.80	-1171.64	1282.82
1	15	272	-72.03	-191.95	-105.84	-158.14	-53.96	-214.48	-4022.55	-3092.65	-1144.38	1635.98
1	15	273	-91.13	-198.25	-118.12	-171.27	-46.50	-455.48	-3226.96	-2348.03	-1334.41	1289.74
1	15	274	-108.42	-201.51	-131.09	-178.83	-39.96	-975.61	-2556.38	-2159.23	-1372.76	685.62
1	15	275	-128.62	-198.99	-143.39	-184.21	-28.66	-861.15	-3406.98	-3370.34	-897.79	-303.20
1	15	276	-142.15	-180.40	-147.00	-175.55	-12.73	-622.53	-4460.16	-4439.93	-642.77	-277.95
1	15	277	-146.96	-168.00	-147.36	-167.61	2.85	-739.89	-4115.37	-4115.37	-739.90	-3.38
1	15	278	-136.23	-170.09	-144.96	-161.35	14.81	-1079.83	-2798.94	-2797.77	-1081.00	44.86
1	15	279	-116.15	-157.09	-135.49	-137.75	20.44	-666.37	-2232.94	-1351.99	-1547.32	-777.17
1	15	280	-97.47	-149.89	-126.65	-120.71	26.04	-118.35	-2786.60	-1455.45	-1449.49	-1334.12
1	15	281	-74.82	-138.99	-119.74	-94.06	29.40	91.62	-3340.57	-2149.58	-1099.37	-1633.79
1	15	282	-51.28	-128.44	-108.92	-70.81	33.54	-97.73	-3234.75	-2504.32	-828.15	-1325.83
1	15	284	-30.30	-115.35	-94.40	-51.25	36.65	-291.88	-2200.75	-1750.51	-742.12	-810.39
1	15	285	12.45	-118.28	-79.84	-25.99	59.56	54.10	-1024.10	2.68	-972.68	-229.78
1	15	286	43.77	-86.12	-39.15	-3.20	62.41	1199.27	-1476.10	1099.14	-1375.97	-507.81
1	15	287	80.67	-27.19	-7.39	60.88	41.75	1047.01	-1537.63	447.44	-938.06	-1090.96
1	15	288	88.32	-0.94	-0.94	88.32	-0.20	2.68	-970.82	-17.46	-950.68	-138.55
1	15	289	278.46	-1.86	-1.85	278.45	1.20	-37.12	-3217.47	-57.32	-3197.27	252.67
1	15	290	210.37	-3.55	-2.73	209.55	13.22	1114.73	-3944.15	308.00	-3137.42	1852.12
1	15	291	34.99	-1.24	10.38	23.37	16.92	-39.11	-4918.86	-1176.38	-3781.60	2063.05
1	15	292	-8.38	-81.06	-8.93	-80.51	-6.30	-1129.34	-4880.99	-2090.46	-3919.87	1637.69
1	15	293	-38.72	-131.69	-45.52	-124.89	-24.21	-1871.37	-4829.49	-3000.27	-3700.60	1437.01
1	15	294	-67.00	-159.23	-81.83	-144.40	-33.88	-2049.35	-4996.80	-3559.05	-3487.10	1473.28
1	15	295	-90.29	-179.17	-109.96	-159.51	-36.89	-2049.53	-5005.16	-3590.97	-3463.72	1476.44
1	15	296	-110.17	-193.87	-129.21	-174.83	-35.10	-2251.53	-4685.49	-3436.40	-3500.61	1216.56
1	15	297	-128.95	-202.03	-143.43	-187.55	-29.13	-2752.83	-4217.97	-3643.51	-3327.29	715.30
1	15	298	-142.92	-200.47	-152.61	-190.78	-21.54	-2872.16	-4299.04	-4262.00	-2909.20	226.89
1	15	299	-156.12	-189.36	-159.56	-185.92	-10.12	-2527.25	-4834.87	-4825.33	-2536.78	-148.00
1	15	300	-160.96	-177.09	-161.24	-176.81	2.11	-2595.45	-4560.19	-4484.63	-2671.01	-377.81

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
1	15	301	-151.16	-173.14	-158.75	-165.55	10.45	-2715.10	-3949.34	-3542.40	-3122.04	-580.22
1	15	302	-134.51	-166.91	-153.76	-147.66	15.91	-2137.06	-4003.66	-2638.59	-3502.13	-827.42
1	15	303	-110.45	-155.61	-144.67	-121.38	19.34	-1671.80	-4096.65	-2316.68	-3451.77	-1071.38
1	15	304	-85.46	-140.73	-131.40	-94.79	20.70	-1567.01	-3878.16	-2474.84	-2970.33	-1128.70
1	15	305	-61.30	-122.57	-112.92	-70.94	22.31	-1367.31	-3395.94	-2438.62	-2324.63	-1012.71
1	15	307	-37.40	-101.08	-92.11	-46.37	22.15	-775.19	-2465.15	-1524.08	-1716.26	-839.50
1	15	308	1.28	-85.39	-69.59	-14.52	33.46	620.46	-1454.56	435.55	-1269.64	-591.19
1	15	309	39.45	-61.69	-34.21	11.97	45.00	640.51	-1496.07	494.21	-1349.78	-539.61
1	15	310	85.13	-12.80	-7.42	79.75	22.32	559.09	-1174.34	357.47	-972.72	-555.73
1	15	311	126.11	-1.76	-1.75	126.11	-0.58	-22.33	-1029.95	-27.96	-1024.32	-75.15
1	15	312	281.66	0.41	0.42	281.66	0.77	-22.12	-2912.62	-30.14	-2904.61	152.02
1	15	313	193.90	-14.05	-13.06	192.91	14.31	703.54	-3255.71	401.14	-2953.31	1051.58
1	15	314	51.02	-25.44	-1.10	26.68	35.62	-969.65	-5229.50	-1443.44	-4755.71	1339.33
1	15	315	-2.23	-86.55	-26.55	-62.23	38.19	-1868.18	-6371.87	-2569.32	-5670.73	1632.82
1	15	316	-49.26	-118.65	-60.81	-107.10	25.85	-2517.18	-6623.16	-3458.51	-5681.82	1725.98
1	15	317	-93.51	-133.86	-95.84	-131.53	9.41	-3004.37	-6555.54	-4040.30	-5519.62	1614.19
1	15	318	-127.55	-151.95	-128.11	-151.38	-3.68	-3299.27	-6411.70	-4193.86	-5517.11	1408.57
1	15	319	-149.00	-176.05	-153.40	-171.64	-9.99	-3440.11	-6324.00	-4174.63	-5589.48	1256.49
1	15	320	-164.59	-192.75	-169.23	-188.11	-10.45	-3668.29	-6158.18	-4483.76	-5342.72	1168.52
1	15	321	-174.27	-197.94	-176.68	-195.53	-7.16	-3993.16	-5818.83	-5184.39	-4627.60	869.35
1	15	322	-176.52	-195.50	-179.41	-192.60	-6.82	-3951.76	-5772.08	-5771.63	-3952.21	28.68
1	15	323	-175.08	-190.18	-182.50	-182.76	-7.55	-3688.51	-5851.02	-5317.04	-4222.49	-932.53
1	15	324	-166.76	-187.55	-185.90	-168.42	-5.62	-3182.71	-6045.40	-4163.13	-5064.99	-1358.46
...												
1	216	449	0.50	8.84e-02	0.26	0.32	-0.20	8.41	-88.43	-40.11	-39.91	48.42
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1430.36	-657.99	-1408.26	-216.33		-1.241e+04	-1.139e+04	-9985.99	-5253.54
			295.87		145.89	295.87	176.69	2.081e+04		1.386e+04	1.841e+04	6124.50

Macro	Tipo	Angolo 1-X (gradi)
2	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
2	5	13	-2.91	-21.27	-19.41	-4.77	5.54	107.89	-30.49	-27.01	104.42	21.65
2	5	14	5.23	1.35	2.18	4.41	1.59	83.90	-8.41	47.94	27.56	45.02
2	5	53	-2.60	-45.22	-2.78	-45.03	-2.81	322.70	30.65	322.52	30.84	7.30
2	5	100	12.02	-48.36	2.63	-38.98	21.88	-82.33	-237.49	-237.29	-82.54	5.61
2	5	122	0.55	-34.67	-1.10	-33.01	7.45	-72.92	-255.14	-247.92	-80.14	35.55
2	5	145	-1.26	-34.06	-2.03	-33.29	-4.96	281.12	34.73	280.62	35.23	11.09
2	5	191	17.52	-34.59	2.58	-19.65	23.57	-39.27	-153.97	-153.92	-39.32	-2.35
2	5	214	5.48	-25.67	2.31	-22.51	9.41	-51.38	-241.64	-232.12	-60.89	41.47
2	5	237	-0.27	-18.73	-0.87	-18.12	-3.28	228.06	39.97	225.93	42.10	19.88
2	5	283	19.10	-12.44	7.97	-1.31	15.07	7.25	-53.66	-33.47	-12.94	-28.67
2	5	306	10.65	-21.86	4.31	-15.52	12.88	-42.82	-190.71	-173.85	-59.67	47.00
2	5	329	2.68	-4.36	-1.06	-0.62	3.51	163.20	22.65	149.82	36.03	41.25
2	5	753	8.60	-49.96	-41.23	-0.12	20.86	108.30	27.78	32.77	103.31	-19.42
2	5	776	12.39	-74.76	-59.11	-3.26	-33.45	158.00	61.26	65.74	153.52	20.32
2	5	777	3.04	-31.71	-24.77	-3.91	-13.89	106.57	-17.54	-10.94	99.97	-27.85
2	5	778	9.76	-2.97	2.13	4.66	-6.24	59.12	-31.86	29.44	-2.18	-42.65
2	5	780	29.46	-21.69	9.86	-2.10	-24.86	13.12	-36.83	-5.97	-17.75	24.27
2	5	781	19.15	-33.36	2.90	-17.11	-24.27	-30.74	-194.50	-163.58	-61.65	-64.09
2	5	782	13.49	-16.40	-1.03	-1.88	-14.94	165.78	8.00	145.75	28.03	-52.52
2	5	784	26.97	-44.02	2.64	-19.69	-33.69	-38.38	-145.29	-145.06	-38.61	-4.96
2	5	785	13.70	-34.30	2.41	-23.01	-20.36	-42.87	-245.33	-226.87	-61.32	-58.28
2	5	786	2.62	-21.74	-0.84	-18.28	-8.51	230.52	35.69	225.29	40.92	-31.49
2	5	788	20.43	-56.11	2.69	-38.37	-32.30	-79.96	-235.81	-234.45	-81.32	-14.53
2	5	789	7.49	-41.26	-0.91	-32.86	-18.41	-64.53	-260.41	-245.29	-79.64	-52.27
2	5	790	-0.71	-34.16	-2.03	-32.85	-6.51	283.09	33.76	281.10	35.76	-22.21
2	5	792	12.28	-62.31	2.86	-52.89	-24.78	-110.47	-294.01	-292.45	-112.03	-16.82
2	5	793	2.80	-47.35	-3.15	-41.40	-16.22	-83.24	-260.42	-250.42	-93.25	-40.91
2	5	794	-1.17	-45.92	-2.78	-44.30	-8.34	324.72	30.92	323.59	32.05	-18.15

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
2	5	796	5.96	-60.62	2.63	-57.30	-14.49	-113.45	-312.96	-312.13	-114.28	-12.86
2	5	797	0.76	-50.22	-3.25	-46.21	-13.72	-87.64	-259.13	-254.41	-92.37	-28.06
2	5	798	-3.47e-02	-52.20	-2.94	-49.29	-11.96	347.91	34.60	346.95	35.56	-17.31
2	5	800	3.66	-52.76	2.77	-51.87	-7.04	-97.11	-316.46	-316.28	-97.29	-6.37
2	5	801	1.51	-49.08	-1.04	-46.52	-11.07	-77.17	-262.65	-260.55	-79.27	-19.59
2	5	802	1.52	-50.63	-2.47	-46.65	-13.86	352.38	47.27	351.48	48.16	-16.54
2	5	804	3.99	-44.24	3.55	-43.80	-4.58	-81.37	-327.89	-327.85	-81.40	-2.97
2	5	805	3.34	-46.27	1.91	-44.83	-8.31	-64.93	-267.87	-266.89	-65.91	-14.02
2	5	806	1.35	-43.71	-1.77	-40.59	-11.43	348.51	63.15	347.92	63.74	-12.92
2	5	808	4.74	-40.95	4.04	-40.25	-5.61	-75.76	-336.05	-335.95	-75.87	-5.31
2	5	809	3.89	-44.61	3.27	-43.98	-5.46	-60.40	-270.04	-269.72	-60.72	-8.22
2	5	810	-0.68	-38.35	-1.44	-37.59	-5.31	345.59	70.78	345.49	70.88	-5.24
2	5	812	4.44	-45.04	3.53	-44.13	-6.65	-81.20	-327.38	-327.15	-81.43	-7.56
2	5	813	2.02	-45.28	1.88	-45.13	-2.61	-66.12	-266.93	-266.90	-66.15	-2.49
2	5	814	-1.76	-40.94	-1.77	-40.93	0.81	347.47	63.24	347.45	63.26	2.37
2	5	816	3.05	-52.89	2.75	-52.58	-4.13	-97.73	-315.71	-315.63	-97.80	-4.05
2	5	817	-1.11	-47.08	-1.11	-47.08	0.16	-79.92	-260.77	-260.72	-79.97	2.96
2	5	818	-2.25	-47.50	-2.47	-47.28	3.15	350.78	47.09	350.66	47.20	5.89
2	5	820	2.81	-58.48	2.61	-58.28	3.51	-115.31	-312.11	-312.07	-115.34	2.57
2	5	821	-3.19	-47.07	-3.37	-46.89	2.80	-92.64	-255.69	-254.89	-93.44	11.39
2	5	822	-2.92	-50.11	-2.94	-50.08	1.08	346.04	34.16	345.90	34.30	6.59
2	5	824	6.12	-57.13	2.82	-53.83	14.08	-112.98	-293.36	-293.09	-113.25	6.95
2	5	825	-2.61	-42.65	-3.32	-41.94	5.28	-90.60	-255.26	-251.61	-94.26	24.26
2	67	13	4.90e-02	-9.96	-9.24	-0.67	2.58	98.78	-27.73	-24.07	95.12	21.21
2	67	14	10.50	0.25	7.39	3.35	-4.71	98.47	-5.72	58.76	33.99	50.60
2	67	53	-1.49	-48.65	-2.02	-48.12	-4.96	334.10	29.63	334.08	29.64	2.04
2	67	100	6.43	-59.06	1.33	-53.96	17.56	-93.17	-248.98	-248.93	-93.22	-2.82
2	67	122	-0.68	-39.34	-1.13	-38.90	4.14	-81.41	-253.23	-247.23	-87.41	31.54
2	67	145	0.40	-38.24	-1.10	-36.74	-7.47	294.47	33.91	294.21	34.17	8.24
2	67	191	10.11	-43.87	1.30	-35.06	19.94	-46.62	-159.12	-158.19	-47.56	-10.23
2	67	214	3.34	-27.82	2.31	-26.80	5.55	-52.18	-236.70	-227.44	-61.43	40.27
2	67	237	0.69	-23.37	-1.45	-21.22	-6.86	241.91	40.53	240.18	42.26	18.58
2	67	283	5.35	-21.43	0.56	-16.64	10.27	12.43	-39.31	-15.47	-11.41	-25.79
2	67	306	4.80	-20.33	0.88	-16.42	9.11	-41.80	-179.98	-161.28	-60.49	47.26
2	67	329	-1.93	-4.18	-3.33	-2.78	-1.09	168.77	27.81	157.92	38.66	37.57
2	67	753	-2.00	-38.25	-29.66	-10.59	15.41	114.59	28.65	35.02	108.21	-22.52
2	67	776	23.70	-85.92	-69.99	7.77	-38.64	153.48	57.81	64.02	147.28	23.55
2	67	777	-5.97e-02	-42.30	-34.42	-7.94	-16.46	115.30	-19.58	-13.27	109.00	-28.48
2	67	778	14.65	-11.69	-2.77	5.73	-12.46	46.28	-33.94	19.37	-7.04	-37.88
2	67	780	44.71	-13.59	17.49	13.63	-29.09	6.07	-49.58	-23.73	-19.78	27.76
2	67	781	25.27	-34.82	6.47	-16.02	-27.86	-33.79	-203.90	-176.35	-61.33	-62.66
2	67	782	20.18	-18.61	1.33	0.23	-19.39	160.22	2.27	137.10	25.39	-55.84
2	67	784	37.16	-37.17	3.86	-3.87	-36.96	-27.93	-141.02	-139.50	-29.44	-13.01
2	67	785	17.82	-33.70	2.34	-18.22	-23.61	-42.75	-250.78	-232.72	-60.80	-58.56
2	67	786	6.27	-21.79	-0.29	-15.24	-11.87	214.02	34.32	208.24	40.10	-31.71
2	67	788	29.21	-48.03	3.98	-22.80	-36.23	-66.22	-221.78	-218.38	-69.61	-22.72
2	67	789	11.33	-38.53	-0.89	-26.31	-21.44	-55.47	-261.50	-245.15	-71.83	-55.69
2	67	790	-0.23	-32.02	-2.93	-29.33	-8.85	267.32	34.12	264.70	36.75	-24.59
2	67	792	17.78	-54.07	3.08	-39.37	-28.99	-97.48	-274.98	-271.61	-100.85	-24.23
2	67	793	5.79	-44.38	-3.28	-35.30	-19.31	-73.67	-259.67	-246.97	-86.37	-46.92
2	67	794	-0.85	-43.66	-3.52	-40.99	-10.35	311.17	31.15	309.25	33.07	-23.08
2	67	796	9.35	-53.21	2.90	-46.76	-19.01	-103.80	-294.54	-292.44	-105.89	-19.90
2	67	797	3.11	-47.58	-3.33	-41.14	-16.87	-80.19	-258.03	-250.44	-87.78	-35.95
2	67	798	0.53	-50.65	-3.59	-46.53	-13.93	336.92	33.20	334.99	35.14	-24.15
2	67	800	5.68	-47.33	2.98	-44.63	-11.65	-90.72	-301.80	-300.95	-91.58	-13.43
2	67	801	3.30	-47.29	-1.12	-42.86	-14.30	-72.26	-261.91	-257.44	-76.74	-28.77
2	67	802	2.40	-49.96	-2.93	-44.62	-15.84	344.32	45.00	342.29	47.03	-24.54
2	67	804	5.58	-41.75	3.69	-39.86	-9.25	-77.62	-318.90	-318.44	-78.08	-10.52
2	67	805	4.69	-45.51	1.86	-42.68	-11.59	-61.81	-267.90	-265.06	-64.64	-23.99
2	67	806	2.35	-43.73	-2.02	-39.36	-13.50	343.83	61.24	342.18	62.88	-21.51
2	67	808	6.33	-42.20	4.02	-39.89	-10.33	-73.63	-331.49	-330.81	-74.32	-13.28
2	67	809	4.86	-45.17	3.26	-43.57	-8.81	-58.45	-270.11	-268.49	-60.07	-18.48
2	67	810	5.13e-02	-38.29	-1.45	-36.79	-7.43	343.53	69.81	342.81	70.53	-14.02
2	67	812	5.79	-49.79	3.35	-47.34	-11.41	-82.54	-333.51	-332.59	-83.46	-15.18
2	67	813	2.61	-47.15	1.88	-46.42	-5.97	-66.13	-268.69	-267.91	-66.91	-12.55
2	67	814	-1.46	-41.31	-1.51	-41.26	-1.30	350.99	63.17	350.86	63.31	-6.30
2	67	816	3.77	-60.34	2.50	-59.07	-8.92	-101.51	-326.78	-326.22	-102.08	-11.25

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
2	67	817	-0.84	-50.02	-1.04	-49.81	-3.20	-81.99	-263.01	-262.78	-82.21	-6.41
2	67	818	-1.96	-49.12	-1.99	-49.09	1.07	357.22	47.47	357.20	47.48	-2.28
2	67	820	2.35	-68.11	2.33	-68.09	-1.27	-122.21	-327.08	-326.97	-122.31	-4.68
2	67	821	-3.29	-51.09	-3.29	-51.08	-0.55	-97.33	-257.88	-257.82	-97.39	3.20
2	67	822	-2.25	-52.61	-2.27	-52.59	-1.01	355.15	34.55	355.15	34.55	-0.50
2	67	824	3.29	-67.97	2.00	-66.67	9.53	-122.98	-309.17	-309.16	-122.99	-0.70
2	67	825	-3.13	-47.34	-3.21	-47.25	1.96	-98.44	-256.10	-254.05	-100.49	17.85
2	107	13	-2.23	-16.27	-14.84	-3.66	4.25	82.74	-23.41	-20.77	80.10	16.52
2	107	14	4.02	1.02	1.66	3.38	1.24	64.33	-6.51	36.68	21.14	34.56
2	107	53	-1.98	-34.57	-2.13	-34.43	-2.15	246.55	23.43	246.41	23.57	5.59
2	107	100	9.20	-37.01	2.01	-29.82	16.75	-62.76	-180.96	-180.80	-62.92	4.33
2	107	122	0.42	-26.51	-0.85	-25.24	5.70	-55.90	-195.88	-190.39	-61.38	27.17
2	107	145	-0.96	-26.02	-1.55	-25.43	-3.80	214.88	26.60	214.50	26.99	8.50
2	107	191	13.42	-26.46	1.97	-15.01	18.04	-29.84	-117.25	-117.21	-29.87	-1.79
2	107	214	4.19	-19.62	1.78	-17.21	7.19	-39.44	-185.55	-178.31	-46.67	31.70
2	107	237	-0.20	-14.29	-0.67	-13.83	-2.51	174.43	30.65	172.80	32.28	15.23
2	107	283	14.61	-9.50	6.09	-0.97	11.52	5.83	-40.85	-25.23	-9.78	-22.03
2	107	306	8.15	-16.70	3.31	-11.86	9.85	-33.05	-146.43	-133.60	-45.88	35.91
2	107	329	2.07	-3.34	-0.81	-0.46	2.70	124.94	17.26	114.65	27.55	31.65
2	107	753	6.58	-38.14	-31.48	-7.70e-02	15.92	82.97	21.30	25.21	79.07	-15.02
2	107	776	9.45	-56.91	-45.00	-2.45	-25.46	120.71	46.71	50.23	117.19	15.75
2	107	777	2.31	-24.16	-18.86	-3.00	-10.59	81.83	-13.40	-8.40	76.83	-21.25
2	107	778	7.46	-2.27	1.63	3.56	-4.77	45.46	-24.34	22.54	-1.43	-32.78
2	107	780	22.46	-16.54	7.51	-1.59	-18.96	10.34	-28.14	-4.33	-13.47	18.69
2	107	781	14.59	-25.41	2.23	-13.06	-18.48	-23.96	-149.24	-125.76	-47.44	-48.89
2	107	782	10.26	-12.48	-0.79	-1.43	-11.37	126.84	6.05	111.48	21.41	-40.24
2	107	784	20.58	-33.61	2.02	-15.05	-25.72	-29.16	-110.56	-110.38	-29.33	-3.76
2	107	785	10.43	-26.16	1.85	-17.58	-15.50	-33.02	-188.31	-174.32	-47.01	-44.47
2	107	786	1.96	-16.54	-0.64	-13.94	-6.43	176.22	27.37	172.22	31.36	-24.06
2	107	788	15.58	-42.89	2.05	-29.36	-24.66	-60.93	-179.59	-178.54	-61.98	-11.10
2	107	789	5.68	-31.50	-0.70	-25.12	-14.02	-49.56	-199.85	-188.40	-61.01	-39.87
2	107	790	-0.57	-26.07	-1.55	-25.09	-4.90	216.28	25.85	214.77	27.37	-16.94
2	107	792	9.35	-47.66	2.18	-40.49	-18.90	-84.26	-223.94	-222.75	-85.45	-12.84
2	107	793	2.09	-36.17	-2.42	-31.66	-12.35	-63.85	-199.86	-192.29	-71.42	-31.19
2	107	794	-0.91	-35.08	-2.12	-33.87	-6.32	248.01	23.62	247.15	24.48	-13.83
2	107	796	4.52	-46.38	2.00	-43.87	-11.03	-86.53	-238.39	-237.76	-87.17	-9.78
2	107	797	0.55	-38.38	-2.49	-35.34	-10.44	-67.18	-198.89	-195.32	-70.75	-21.37
2	107	798	-4.07e-02	-39.89	-2.24	-37.68	-9.11	265.68	26.42	264.95	27.14	-13.19
2	107	800	2.78	-40.35	2.11	-39.69	-5.32	-73.99	-241.08	-240.94	-74.13	-4.82
2	107	801	1.14	-37.50	-0.80	-35.57	-8.43	-59.11	-201.60	-200.02	-60.69	-14.91
2	107	802	1.15	-38.68	-1.88	-35.64	-10.57	269.11	36.15	268.43	36.83	-12.60
2	107	804	3.03	-33.80	2.71	-33.48	-3.45	-61.86	-249.79	-249.77	-61.89	-2.23
2	107	805	2.55	-35.35	1.46	-34.26	-6.32	-49.67	-205.60	-204.87	-50.40	-10.66
2	107	806	1.03	-33.36	-1.35	-30.99	-8.72	266.19	48.38	265.74	48.82	-9.85
2	107	808	3.61	-31.27	3.08	-30.74	-4.26	-57.53	-256.02	-255.93	-57.62	-4.03
2	107	809	2.98	-34.07	2.51	-33.60	-4.15	-46.16	-207.28	-207.03	-46.40	-6.24
2	107	810	-0.52	-29.25	-1.10	-28.68	-4.03	263.98	54.24	263.90	54.32	-3.98
2	107	812	3.39	-34.43	2.69	-33.73	-5.08	-61.74	-249.43	-249.25	-61.92	-5.76
2	107	813	1.55	-34.60	1.44	-34.49	-1.97	-50.56	-204.90	-204.87	-50.59	-1.88
2	107	814	-1.34	-31.26	-1.35	-31.24	0.66	265.42	48.44	265.40	48.46	1.83
2	107	816	2.33	-40.46	2.09	-40.23	-3.16	-74.47	-240.55	-240.49	-74.52	-3.09
2	107	817	-0.85	-35.99	-0.85	-35.99	0.14	-61.19	-200.19	-200.15	-61.23	2.27
2	107	818	-1.71	-36.30	-1.89	-36.13	2.45	267.93	36.02	267.84	36.11	4.52
2	107	820	2.14	-44.76	1.99	-44.61	2.69	-87.96	-237.80	-237.78	-87.99	1.97
2	107	821	-2.45	-36.00	-2.59	-35.86	2.16	-70.96	-196.30	-195.69	-71.57	8.71
2	107	822	-2.23	-38.31	-2.25	-38.29	0.85	264.33	26.09	264.22	26.19	5.05
2	107	824	4.68	-43.74	2.14	-41.21	10.78	-86.19	-223.53	-223.32	-86.40	5.34
2	107	825	-2.01	-32.62	-2.55	-32.07	4.05	-69.42	-195.97	-193.19	-72.19	18.54
2	138	13	-0.26	-8.73	-8.07	-0.92	2.28	76.66	-21.57	-18.81	73.90	16.23
2	138	14	7.12	0.70	5.14	2.68	-2.96	74.04	-4.72	43.89	25.43	38.28
2	138	53	-1.25	-36.85	-1.61	-36.49	-3.58	254.14	22.75	254.12	22.77	2.09
2	138	100	5.40	-44.07	1.14	-39.81	13.87	-70.03	-188.58	-188.56	-70.04	-1.29
2	138	122	-0.44	-29.59	-0.86	-29.16	3.49	-61.56	-194.61	-189.94	-66.23	24.49
2	138	145	0.15	-28.81	-0.93	-27.73	-5.47	223.77	26.06	223.55	26.28	6.59
2	138	191	8.37	-32.53	1.12	-25.28	15.62	-34.79	-120.64	-120.05	-35.37	-7.04
2	138	214	2.71	-21.00	1.78	-20.06	4.62	-39.97	-182.25	-175.19	-47.03	30.90
2	138	237	0.42	-17.36	-1.05	-15.89	-4.90	183.66	31.03	182.30	32.39	14.37

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
2	138	283	5.33	-15.38	1.15	-11.19	8.32	9.23	-31.23	-13.23	-8.77	-20.11
2	138	306	4.24	-15.68	1.02	-12.46	7.34	-32.39	-139.25	-125.22	-46.42	36.09
2	138	329	-1.68	-2.54	-2.32	-1.90	-0.37	128.63	20.72	120.05	29.30	29.19
2	138	753	-0.55	-30.28	-23.77	-7.06	12.29	87.16	21.88	26.71	82.34	-17.08
2	138	776	16.98	-64.33	-52.25	4.90	-28.92	117.70	44.41	49.08	113.03	17.90
2	138	777	0.24	-31.22	-25.30	-5.69	-12.30	87.65	-14.76	-9.95	82.84	-21.67
2	138	778	10.71	-8.08	-1.64	4.27	-8.92	36.90	-25.73	15.83	-4.66	-29.59
2	138	780	32.61	-11.11	12.60	8.90	-21.78	5.53	-36.52	-16.17	-14.83	21.01
2	138	781	18.67	-26.39	4.61	-12.33	-20.88	-26.00	-155.50	-134.28	-47.23	-47.94
2	138	782	14.72	-13.95	0.79	-1.97e-02	-14.33	123.13	2.23	105.72	19.65	-42.45
2	138	784	27.30	-28.97	2.83	-4.50	-27.90	-22.23	-107.66	-106.67	-23.22	-9.13
2	138	785	13.14	-25.73	1.80	-14.39	-17.67	-32.94	-191.95	-178.22	-46.67	-44.66
2	138	786	4.36	-16.54	-0.27	-11.91	-8.68	165.22	26.46	160.86	30.82	-24.21
2	138	788	21.36	-37.43	2.91	-18.99	-27.28	-51.81	-170.20	-167.83	-54.17	-16.56
2	138	789	8.20	-29.64	-0.69	-20.76	-16.04	-43.52	-200.58	-188.30	-55.80	-42.15
2	138	790	-0.29	-24.61	-2.15	-22.75	-6.46	205.76	26.10	203.83	28.03	-18.52
2	138	792	12.93	-42.09	2.33	-31.48	-21.71	-75.63	-211.23	-208.86	-78.00	-17.78
2	138	793	4.05	-34.16	-2.51	-27.60	-14.41	-57.49	-199.33	-189.99	-66.84	-35.19
2	138	794	-0.72	-33.56	-2.62	-31.66	-7.66	238.96	23.79	237.59	25.16	-17.11
2	138	796	6.71	-41.37	2.18	-36.84	-14.04	-80.13	-226.08	-224.63	-81.58	-14.48
2	138	797	2.08	-36.59	-2.55	-31.96	-12.55	-62.25	-198.12	-192.68	-67.69	-26.64
2	138	798	0.32	-38.84	-2.68	-35.84	-10.42	258.34	25.50	256.98	26.86	-17.75
2	138	800	4.06	-36.67	2.25	-34.86	-8.39	-69.75	-231.28	-230.72	-70.31	-9.52
2	138	801	2.30	-36.28	-0.85	-33.12	-10.58	-55.89	-201.06	-197.95	-59.00	-21.03
2	138	802	1.73	-38.22	-2.19	-34.29	-11.89	263.72	34.66	262.30	36.08	-17.94
2	138	804	4.04	-32.09	2.80	-30.85	-6.56	-59.39	-243.78	-243.49	-59.68	-7.26
2	138	805	3.43	-34.82	1.43	-32.82	-8.51	-47.64	-205.57	-203.65	-49.56	-17.31
2	138	806	1.69	-33.36	-1.51	-30.16	-10.10	263.04	47.12	261.92	48.25	-15.57
2	138	808	4.63	-32.07	3.07	-30.50	-7.41	-56.14	-252.95	-252.51	-56.58	-9.35
2	138	809	3.60	-34.43	2.50	-33.33	-6.37	-44.91	-207.27	-206.21	-45.97	-13.08
2	138	810	-4.66e-02	-29.20	-1.10	-28.14	-5.44	262.58	53.62	262.11	54.09	-9.83
2	138	812	4.27	-37.57	2.57	-35.87	-8.25	-62.65	-253.49	-252.88	-63.27	-10.85
2	138	813	1.92	-35.82	1.44	-35.35	-4.21	-50.62	-206.03	-205.55	-51.09	-8.59
2	138	814	-1.15	-31.49	-1.17	-31.47	-0.75	267.74	48.42	267.67	48.49	-3.95
2	138	816	2.78	-45.41	1.93	-44.55	-6.35	-77.01	-247.91	-247.55	-77.37	-7.89
2	138	817	-0.69	-37.93	-0.81	-37.81	-2.10	-62.61	-201.63	-201.52	-62.72	-3.97
2	138	818	-1.53	-37.37	-1.56	-37.34	1.06	272.21	36.29	272.21	36.29	-0.93
2	138	820	1.81	-51.15	1.80	-51.15	-0.49	-92.58	-247.76	-247.71	-92.64	-2.86
2	138	821	-2.54	-38.65	-2.54	-38.65	-7.82e-02	-74.12	-197.73	-197.64	-74.21	3.26
2	138	822	-1.79	-39.97	-1.80	-39.96	-0.55	270.38	26.36	270.38	26.36	0.32
2	138	824	2.74	-50.91	1.60	-49.77	7.75	-92.89	-234.04	-234.04	-92.89	0.24
2	138	825	-2.38	-35.71	-2.48	-35.61	1.83	-74.65	-196.52	-194.82	-76.35	14.27
2	157	13	-2.14	-15.71	-14.29	-3.56	4.15	81.09	-23.16	-20.75	78.68	15.66
2	157	14	4.01	0.90	1.60	3.30	1.30	62.99	-6.84	35.40	20.75	34.14
2	157	53	-1.89	-33.20	-2.03	-33.06	-2.05	235.63	22.43	235.49	22.57	5.43
2	157	100	8.91	-35.79	1.90	-28.78	16.25	-59.04	-169.74	-169.57	-59.22	4.43
2	157	122	0.40	-25.48	-0.82	-24.25	5.50	-54.62	-193.43	-188.37	-59.69	26.02
2	157	145	-0.89	-24.90	-1.48	-24.31	-3.71	205.98	25.86	205.60	26.24	8.25
2	157	191	13.01	-25.45	1.89	-14.33	17.44	-27.44	-109.51	-109.47	-27.48	-1.68
2	157	214	4.08	-18.81	1.75	-16.48	6.91	-38.88	-183.43	-176.73	-45.58	30.39
2	157	237	-0.17	-13.54	-0.63	-13.07	-2.44	167.94	30.00	166.32	31.62	14.86
2	157	283	14.06	-9.02	5.79	-0.76	11.06	7.51	-38.12	-21.91	-8.70	-21.84
2	157	306	7.90	-15.97	3.25	-11.32	9.45	-33.80	-144.69	-132.77	-45.72	34.36
2	157	329	2.14	-3.23	-0.77	-0.33	2.68	121.04	16.22	110.81	26.46	31.11
2	157	753	6.35	-36.26	-29.95	4.53e-02	15.13	80.80	20.86	25.20	76.45	-15.54
2	157	776	8.93	-53.00	-41.96	-2.12	-23.71	115.33	43.97	48.01	111.29	16.49
2	157	777	2.11	-22.68	-17.62	-2.95	-9.99	80.87	-12.82	-8.28	76.34	-20.11
2	157	778	7.16	-2.16	1.57	3.43	-4.57	45.34	-23.27	21.87	0.20	-32.55
2	157	780	21.20	-15.56	7.04	-1.40	-17.89	11.97	-26.90	-2.62	-12.31	18.82
2	157	781	13.70	-23.82	2.23	-12.35	-17.29	-26.00	-146.85	-125.30	-47.55	-46.26
2	157	782	9.53	-11.58	-0.75	-1.30	-10.55	122.44	5.34	107.37	20.41	-39.22
2	157	784	19.51	-31.99	1.92	-14.40	-24.42	-26.76	-102.70	-102.55	-26.91	-3.42
2	157	785	9.70	-24.73	1.80	-16.83	-14.48	-33.29	-185.74	-173.05	-45.98	-42.11
2	157	786	1.61	-15.38	-0.60	-13.16	-5.72	169.04	26.80	165.22	30.63	-23.00
2	157	788	14.68	-41.13	1.93	-28.38	-23.43	-57.20	-167.87	-166.84	-58.23	-10.62
2	157	789	5.15	-29.97	-0.69	-24.13	-13.07	-49.01	-196.84	-186.52	-59.34	-37.68
2	157	790	-0.69	-24.73	-1.46	-23.95	-4.24	206.68	25.07	205.26	26.49	-15.99

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
2	157	792	8.69	-45.91	2.03	-39.24	-17.87	-79.63	-209.53	-208.38	-80.78	-12.17
2	157	793	1.73	-34.57	-2.39	-30.46	-11.51	-62.67	-196.83	-190.06	-69.44	-29.37
2	157	794	-0.99	-33.52	-2.02	-32.49	-5.68	236.44	22.54	235.65	23.33	-12.97
2	157	796	4.11	-44.74	1.87	-42.49	-10.23	-81.76	-223.11	-222.52	-82.34	-9.06
2	157	797	0.30	-36.75	-2.47	-33.99	-9.73	-65.64	-196.02	-192.88	-68.79	-20.01
2	157	798	-0.13	-38.18	-2.14	-36.17	-8.50	253.08	25.13	252.40	25.80	-12.37
2	157	800	2.52	-38.83	1.98	-38.29	-4.70	-69.36	-225.77	-225.65	-69.47	-4.28
2	157	801	0.96	-35.88	-0.79	-34.13	-7.84	-57.45	-198.76	-197.39	-58.83	-13.87
2	157	802	1.07	-36.94	-1.79	-34.08	-10.02	256.44	34.81	255.80	35.44	-11.83
2	157	804	2.81	-32.33	2.56	-32.08	-2.96	-57.14	-234.00	-233.98	-57.16	-1.88
2	157	805	2.41	-33.76	1.44	-32.79	-5.84	-47.84	-202.70	-202.07	-48.47	-9.85
2	157	806	0.98	-31.67	-1.27	-29.42	-8.26	253.87	47.04	253.45	47.45	-9.22
2	157	808	3.39	-29.80	2.92	-29.34	-3.89	-52.69	-239.85	-239.78	-52.77	-3.68
2	157	809	2.88	-32.53	2.47	-32.12	-3.79	-44.19	-204.36	-204.16	-44.39	-5.72
2	157	810	-0.52	-27.63	-1.02	-27.12	-3.67	251.90	52.92	251.83	52.98	-3.63
2	157	812	3.21	-32.98	2.55	-32.32	-4.84	-57.06	-233.81	-233.64	-57.23	-5.42
2	157	813	1.51	-33.10	1.42	-33.01	-1.73	-48.64	-202.09	-202.07	-48.65	-1.64
2	157	814	-1.24	-29.71	-1.27	-29.68	0.91	253.28	47.12	253.26	47.13	1.90
2	157	816	2.20	-39.03	1.97	-38.80	-3.05	-69.86	-225.57	-225.51	-69.91	-2.94
2	157	817	-0.85	-34.55	-0.85	-34.55	0.27	-59.31	-197.55	-197.51	-59.35	2.28
2	157	818	-1.58	-34.78	-1.79	-34.57	2.62	255.62	34.71	255.53	34.80	4.45
2	157	820	2.01	-43.34	1.85	-43.18	2.63	-83.18	-223.00	-222.97	-83.21	1.94
2	157	821	-2.41	-34.63	-2.56	-34.49	2.17	-69.01	-193.79	-193.22	-69.58	8.40
2	157	822	-2.11	-36.81	-2.14	-36.78	0.97	252.23	24.86	252.12	24.97	4.94
2	157	824	4.48	-42.37	2.00	-39.90	10.48	-81.56	-209.69	-209.47	-81.78	5.33
2	157	825	-1.98	-31.39	-2.51	-30.85	3.95	-67.62	-193.47	-190.91	-70.18	17.77
2	162	13	-1.49	-13.19	-12.03	-2.65	3.50	79.05	-22.54	-20.10	76.61	15.56
2	162	14	3.10	2.73	2.76	3.07	-0.10	66.22	-6.24	37.81	22.18	35.38
2	162	53	-1.66	-33.95	-1.86	-33.75	-2.53	238.14	22.22	238.06	22.30	4.26
2	162	100	7.51	-38.01	1.61	-32.11	15.29	-61.53	-172.21	-172.15	-61.59	2.55
2	162	122	5.65e-02	-26.44	-0.83	-25.56	4.76	-56.51	-193.01	-188.22	-61.30	25.13
2	162	145	-0.53	-25.82	-1.27	-25.08	-4.27	208.94	25.69	208.62	26.01	7.61
2	162	191	11.17	-27.32	1.61	-17.75	16.63	-29.17	-110.57	-110.42	-29.31	-3.43
2	162	214	3.50	-19.19	1.75	-17.44	6.06	-39.06	-182.33	-175.69	-45.70	30.13
2	162	237	4.50e-03	-14.52	-0.76	-13.76	-3.24	171.01	30.13	169.49	31.66	14.57
2	162	283	10.82	-10.84	4.15	-4.17	10.00	8.59	-34.86	-17.91	-8.36	-21.20
2	162	306	6.58	-15.62	2.49	-11.52	8.61	-33.62	-142.27	-129.98	-45.91	34.41
2	162	329	0.63	-2.71	-1.27	-0.81	1.65	122.25	17.40	112.61	27.04	30.29
2	162	753	3.91	-33.58	-27.38	-2.28	13.92	82.20	21.04	25.70	77.54	-16.23
2	162	776	11.41	-55.45	-44.37	0.33	-24.86	114.35	43.19	47.63	109.91	17.21
2	162	777	1.42	-25.03	-19.77	-3.85	-10.56	82.82	-13.27	-8.80	78.34	-20.25
2	162	778	8.23	-4.09	0.48	3.66	-5.95	42.50	-23.74	19.64	-0.88	-31.49
2	162	780	24.54	-13.70	8.74	2.10	-18.83	10.18	-29.50	-6.57	-12.76	19.59
2	162	781	15.06	-24.15	3.02	-12.11	-18.09	-26.68	-148.94	-128.14	-47.48	-45.94
2	162	782	11.01	-12.07	-0.22	-0.83	-11.54	121.19	4.08	105.45	19.82	-39.95
2	162	784	21.64	-30.33	2.19	-10.89	-25.15	-24.52	-101.67	-101.31	-24.88	-5.21
2	162	785	10.56	-24.54	1.79	-15.76	-15.20	-33.26	-186.96	-174.35	-45.87	-42.18
2	162	786	2.34	-15.31	-0.48	-12.49	-6.47	165.37	26.51	161.43	30.44	-23.05
2	162	788	16.49	-39.19	2.22	-24.92	-24.31	-54.21	-164.69	-163.27	-55.63	-12.44
2	162	789	5.92	-29.29	-0.68	-22.68	-13.75	-47.01	-197.08	-186.49	-57.60	-38.44
2	162	790	-0.66	-24.18	-1.66	-23.17	-4.76	203.16	25.17	201.61	26.71	-16.52
2	162	792	9.77	-43.93	2.08	-36.24	-18.81	-76.79	-205.25	-203.75	-78.29	-13.82
2	162	793	2.32	-33.84	-2.42	-29.10	-12.20	-60.59	-196.62	-189.30	-67.91	-30.71
2	162	794	-0.96	-32.98	-2.18	-31.76	-6.12	233.41	22.62	232.46	23.56	-14.06
2	162	796	4.74	-42.96	1.93	-40.15	-11.23	-79.66	-218.96	-218.15	-80.48	-10.63
2	162	797	0.75	-36.10	-2.49	-32.86	-10.44	-64.07	-195.70	-191.99	-67.77	-21.77
2	162	798	-3.07e-02	-37.81	-2.28	-35.56	-8.94	250.60	24.85	249.74	25.71	-13.90
2	162	800	2.86	-37.51	2.03	-36.69	-5.72	-67.98	-222.47	-222.24	-68.20	-5.85
2	162	801	1.30	-35.43	-0.81	-33.32	-8.55	-56.46	-198.50	-196.69	-58.27	-15.91
2	162	802	1.25	-36.77	-1.89	-33.63	-10.46	254.61	34.34	253.76	35.19	-13.61
2	162	804	3.06	-31.67	2.59	-31.21	-3.99	-56.35	-231.97	-231.89	-56.43	-3.56
2	162	805	2.66	-33.55	1.43	-32.31	-6.57	-47.25	-202.60	-201.66	-48.19	-12.07
2	162	806	1.18	-31.66	-1.32	-29.15	-8.72	252.78	46.66	252.18	47.26	-11.13
2	162	808	3.66	-30.00	2.92	-29.26	-4.94	-52.26	-238.80	-238.64	-52.42	-5.46
2	162	809	3.06	-32.61	2.47	-32.03	-4.53	-43.85	-204.29	-203.89	-44.25	-8.00
2	162	810	-0.38	-27.59	-1.02	-26.94	-4.14	251.39	52.75	251.24	52.90	-5.58

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
2	162	812	3.46	-33.98	2.51	-33.03	-5.90	-57.39	-235.13	-234.85	-57.68	-7.11
2	162	813	1.60	-33.47	1.42	-33.30	-2.47	-48.72	-202.39	-202.30	-48.82	-3.88
2	162	814	-1.20	-29.76	-1.21	-29.75	0.44	254.02	47.15	254.02	47.15	-2.35e-02
...												
2	220	825	-2.13	-31.48	-2.84	-30.77	4.49	-64.49	-184.27	-181.41	-67.36	18.29
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-85.92	-69.99	-68.09	-38.64		-336.05	-335.95	-122.99	-64.09
			44.71		17.49	13.63	23.57	357.22		357.20	153.52	50.60

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	15	15	0.20	7.39	3.81	4.30	6.90	-1.23	-12.96	-101.88	-42.48	-72.36	41.87
		17	0.48	1.96	-21.11	-10.40	-8.75	-11.51	251.45	-25.20	250.25	-24.00	-18.19
		37	2.09	36.57	-44.23	-1.65	-6.01	40.34	714.71	-292.52	218.44	203.75	-503.56
		36	0.47	0.90	-18.17	-7.35	-9.92	-9.45	288.94	-33.94	-18.54	273.54	-68.81
1	101	15	0.17	5.10	2.49	2.99	4.61	-1.03	69.54	-44.91	-17.19	41.83	-49.03
		17	0.51	0.78	-20.98	-11.27	-8.92	-10.82	330.87	78.50	283.56	125.80	-98.49
		37	2.29	38.68	-45.50	-1.00	-5.82	42.02	888.76	-247.51	281.71	359.54	-566.80
		36	0.61	-1.29	-18.34	-7.70	-11.93	-8.26	443.36	-13.25	36.65	393.46	-142.46
1	155	15	0.10	3.51	1.69	2.07	3.14	-0.74	34.98	-29.65	-15.32	20.65	-26.85
		17	0.37	0.64	-13.98	-7.39	-5.95	-7.27	247.87	48.54	218.58	77.82	-70.57
		37	1.70	25.78	-31.29	-1.10	-4.40	28.49	708.19	-189.29	232.63	286.28	-447.94
		36	0.46	-0.70	-12.27	-5.15	-7.83	-5.63	332.78	-16.40	19.17	297.21	-105.62
1	159	15	0.13	2.93	1.40	1.73	2.60	-0.63	-2.10	-83.33	-30.55	-54.88	38.75
		17	0.31	1.16	-7.03	-2.93	-2.93	-4.10	211.90	-36.66	208.95	-33.70	-26.92
		37	1.42	12.16	-18.80	-2.40	-4.24	15.46	730.27	-201.06	263.30	265.92	-465.66
		36	0.38	1.04	-6.31	-2.49	-2.78	-3.67	255.86	-44.88	-28.53	239.51	-68.17
1	164	15	0.12	0.91	0.13	0.52	0.52	-0.39	3.95	-87.16	-28.92	-54.29	43.75
		17	0.33	1.13	-0.21	0.95	-0.03	-0.46	226.52	-50.35	221.54	-45.36	-36.81
		37	1.29	-0.05	-7.17	-3.27	-3.95	3.55	868.36	-182.80	336.15	349.41	-525.54
		36	0.41	1.49	-0.63	-0.08	0.94	-0.93	281.62	-59.30	-39.45	261.77	-79.83
1	196	15	0.08	-0.39	-1.17	-0.43	-1.13	-0.18	45.10	-21.09	-4.98	29.00	-28.40
		17	0.35	0.29	-0.25	0.28	-0.25	0.06	296.12	23.72	252.15	67.70	-100.22
		37	1.46	1.30	-8.23	-3.00	-3.93	4.74	1005.27	-146.42	391.46	467.40	-574.59
		36	0.52	-0.41	-0.56	-0.45	-0.52	-0.06	398.30	-39.43	9.15	349.73	-137.49
1	213	15	0.13	1.01	0.39	0.68	0.72	-0.31	5.72	-96.32	-30.36	-60.24	48.78
		17	0.36	0.48	-0.47	0.12	-0.11	-0.46	246.62	-66.73	238.94	-59.04	-48.47
		37	1.56	1.77	-8.82	-3.48	-3.57	5.30	1052.64	-193.27	405.76	453.61	-622.49
		36	0.46	0.80	-1.37	-0.03	-0.54	-1.05	333.45	-70.70	-50.17	312.92	-88.75
2	15	17	0.70	14.81	-11.68	4.80	-1.67	12.84	472.52	102.45	471.14	103.83	22.59
		19	3.35	1.04	-98.34	-96.25	-1.05	-14.25	1621.25	67.85	1616.02	73.09	90.00
		38	4.76	97.88	-47.18	35.86	14.84	71.77	2342.67	-771.65	2177.98	-606.97	696.96
		37	2.51	-6.23	-49.55	-35.63	-20.15	-20.23	752.30	-1114.40	68.23	-430.33	-899.45
2	35	17	0.91	12.47	-15.98	-0.27	-3.24	14.15	698.02	183.16	685.11	196.07	-80.50
		19	3.67	1.72	-102.32	-100.77	0.17	-12.61	1794.10	-26.59	1793.88	-26.36	20.13
		38	4.85	98.36	-50.48	31.75	16.12	74.01	2512.71	-804.23	2405.85	-697.37	585.69
		37	2.74	-10.40	-51.51	-40.29	-21.63	-18.31	1096.93	-1093.54	332.08	-328.69	-1044.22
2	122	17	0.66	8.50	-10.86	-0.26	-2.11	9.64	523.11	127.94	515.59	135.46	-54.00
		19	2.66	1.16	-69.36	-68.28	0.08	-8.68	1360.43	-10.72	1360.23	-10.52	16.48
		38	3.51	66.04	-34.74	20.25	11.06	50.18	1896.43	-587.24	1824.48	-515.29	416.56
		37	2.05	-7.37	-34.24	-26.98	-14.64	-11.93	848.42	-831.37	250.67	-233.63	-804.23
2	159	17	0.51	5.68	-4.76	1.27	-0.34	5.16	407.26	54.67	407.16	54.78	6.12
		19	2.02	0.45	-37.71	-36.77	-0.50	-5.92	1238.57	52.77	1237.01	54.33	42.99
		38	2.77	34.66	-20.36	8.03	6.27	27.50	1718.62	-471.62	1663.45	-416.44	343.24
		37	1.78	-3.96	-16.06	-12.38	-7.64	-5.56	750.41	-808.26	147.22	-205.07	-759.17
2	164	17	0.53	1.52	-1.72	-0.59	0.38	1.55	441.39	35.58	441.37	35.59	-2.49
		19	1.60	0.24	-8.76	-8.26	-0.26	-2.06	1232.81	52.43	1232.36	52.88	22.92
		38	2.43	5.53	-10.12	-6.93	2.33	6.31	1673.01	-396.53	1654.33	-377.85	195.73
		37	1.80	0.85	-3.38	-0.89	-1.63	2.08	882.55	-771.64	219.66	-108.75	-810.63
2	168	17	0.79	0.36	-5.63	-4.54	-0.73	2.31	630.82	102.07	609.08	123.81	-104.99
		19	1.86	0.50	-11.88	-11.83	0.45	-0.74	1372.17	-20.11	1370.04	-17.98	-54.42
		38	2.72	7.05	-13.74	-9.94	3.25	8.04	1832.92	-445.05	1829.81	-441.94	84.01
		37	2.17	-0.15	-6.79	-4.29	-2.65	3.22	1178.54	-766.92	425.05	-13.43	-947.70
2	202	17	0.61	1.55	-2.36	-1.32	0.51	1.72	487.36	26.44	487.24	26.56	-7.40
		19	1.76	6.52e-03	-12.71	-12.31	-0.40	-2.23	1321.81	52.68	1321.68	52.82	13.13

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		38	2.55	7.02	-12.79	-8.85	3.08	7.91	1759.33	-368.48	1754.02	-363.17	106.17
		37	1.98	1.77	-5.33	-1.24	-2.31	3.51	1001.93	-777.95	288.10	-64.11	-872.34
3	15	19	2.46	-0.09	-28.76	-24.12	-4.73	-10.56	1739.75	50.77	1727.83	62.70	141.42
		21	2.83	-4.01	-142.51	-140.90	-5.62	14.86	854.31	33.33	756.68	130.96	265.75
		39	6.07	38.23	-11.63	-11.51	38.11	2.45	2708.01	-2925.51	424.23	-641.73	2765.88
		38	5.46	-21.34	-173.49	-169.49	-25.35	24.36	2452.67	-728.63	2284.56	-560.51	711.73
3	35	19	2.95	-3.58	-38.13	-36.59	-5.13	-7.15	1982.95	-29.63	1977.17	-23.85	107.69
		21	3.33	-1.99	-154.19	-152.84	-3.34	14.26	1085.87	88.33	1024.86	149.34	239.04
		39	6.16	39.44	-28.89	-28.78	39.33	2.73	2861.07	-2765.19	715.04	-619.16	2732.89
		38	6.06	-21.96	-192.15	-187.29	-26.82	28.35	2696.46	-782.67	2556.43	-642.64	683.81
3	122	19	2.18	-2.49	-25.73	-24.69	-3.54	-4.81	1493.61	-14.00	1489.38	-9.77	79.77
		21	2.30	-1.36	-103.70	-102.76	-2.29	9.72	792.16	66.11	745.72	112.55	177.67
		39	4.63	26.74	-19.26	-19.26	26.74	0.37	2124.58	-2091.20	508.39	-475.00	2049.74
		38	4.41	-14.44	-131.59	-128.27	-17.75	19.43	2023.58	-573.31	1930.53	-480.27	482.68
3	159	19	1.71	-0.50	-10.88	-9.31	-2.07	-3.71	1309.00	41.76	1303.80	46.96	81.03
		21	1.31	-1.46	-51.36	-50.66	-2.16	5.87	575.81	40.82	517.77	98.87	166.39
		39	4.27	16.34	-5.54	-4.13	14.93	-5.37	1826.32	-2028.62	276.10	-478.40	1890.19
		38	3.37	-6.26	-72.65	-71.00	-7.91	10.34	1779.48	-463.56	1723.09	-407.16	351.18
3	164	19	1.58	-0.79	-2.33	-2.25	-0.87	-0.34	1287.34	43.11	1284.46	45.99	59.80
		21	0.66	-0.09	-6.93	-6.52	-0.50	1.61	513.87	52.16	468.60	97.44	137.30
		39	3.98	12.85	-9.43	-0.51	3.93	-10.91	1630.04	-1859.09	237.70	-466.74	1708.64
		38	2.74	1.51	-26.17	-25.60	0.95	3.92	1716.09	-408.01	1696.88	-388.81	201.06
3	185	19	1.49	3.61	-0.56	3.58	-0.53	0.34	1198.65	46.30	1161.06	83.88	204.69
		21	0.72	0.24	-2.48	-0.91	-1.33	1.34	515.45	-96.31	336.38	82.76	278.36
		39	4.23	16.10	-6.65	6.13	3.32	-11.29	1671.77	-2055.33	99.08	-482.65	1840.71
		38	2.51	1.75	-19.77	-18.73	0.71	4.61	1624.52	-409.53	1567.16	-352.17	336.72
3	216	19	1.53	-0.80	-2.92	-2.88	-0.85	-0.30	1237.69	41.96	1230.16	49.48	94.55
		21	0.68	-0.14	-7.63	-7.30	-0.46	1.53	513.15	22.82	440.64	95.33	174.06
		39	4.38	11.93	-9.88	-1.56	3.60	-10.60	1815.26	-2053.86	214.12	-452.72	1905.61
		38	2.76	2.13	-25.75	-25.07	1.45	4.31	1705.11	-487.00	1631.67	-413.56	394.46
4	15	21	2.33	1.10	-105.23	-100.41	-3.72	-22.10	606.09	-211.66	429.49	-35.06	336.49
		23	1.54	2.25	-20.01	-15.20	-2.56	9.16	49.01	-997.23	-920.81	-27.41	272.24
		40	5.22	3.65	-72.49	-44.21	-24.64	-36.79	1789.51	-2381.68	-1032.27	440.10	1951.34
		39	6.71	31.80	-116.87	-107.38	22.31	-36.34	2744.20	-2409.42	365.85	-31.07	2569.16
4	35	21	2.68	2.18	-120.41	-116.09	-2.14	-22.60	712.21	-166.63	592.76	-47.18	301.18
		23	1.49	-1.33	-32.89	-31.16	-3.07	7.19	34.56	-828.13	-755.69	-37.87	239.26
		40	5.13	-0.76	-87.52	-62.84	-25.44	-39.14	1804.52	-2243.01	-867.98	429.49	1916.97
		39	6.82	32.00	-134.39	-125.72	23.33	-36.99	2790.76	-2306.26	528.32	-43.82	2532.40
4	122	21	1.85	1.50	-80.53	-77.64	-1.39	-15.14	518.57	-127.71	425.73	-34.87	226.67
		23	1.11	-0.75	-20.46	-19.17	-2.04	4.87	23.36	-657.14	-606.61	-27.17	178.43
		40	3.79	1.02	-57.78	-39.53	-17.23	-27.21	1330.33	-1699.59	-694.49	325.22	1426.59
		39	5.00	22.02	-90.63	-84.29	15.68	-25.95	2078.05	-1730.35	378.08	-30.37	1893.22
4	159	21	1.07	0.57	-36.18	-34.50	-1.11	-7.68	391.29	-144.44	273.06	-26.22	222.17
		23	0.98	4.10	-3.17	1.76	-0.83	3.39	20.99	-782.19	-743.89	-17.31	171.16
		40	3.40	10.11	-24.19	-4.71	-9.37	-16.99	1142.57	-1666.95	-836.38	312.00	1282.05
		39	4.20	13.97	-43.81	-37.84	8.00	-17.59	1840.13	-1623.52	231.90	-15.29	1727.41
4	164	21	0.54	0.37	-1.96	-1.82	0.23	-0.55	334.01	-130.42	229.23	-25.64	194.13
		23	1.14	12.08	5.16e-03	12.05	0.04	0.60	11.31	-796.83	-771.10	-14.43	141.90
		40	3.00	20.74	-5.09	17.69	-2.03	-8.34	968.05	-1545.09	-868.74	291.70	1114.59
		39	3.51	8.61	-11.24	-3.62	0.99	-9.66	1633.11	-1447.78	194.03	-8.71	1537.10
4	185	21	0.74	-0.74	-3.67	-3.64	-0.78	0.33	421.27	-268.51	169.58	-16.82	332.06
		23	1.27	11.00	0.28	10.31	0.97	2.63	81.67	-919.40	-831.62	-6.11	283.14
		40	3.29	26.32	-2.08	25.04	-0.79	-5.90	1082.68	-1710.27	-927.44	299.85	1254.43
		39	3.76	10.50	-6.58	3.61	0.31	-8.38	1743.48	-1606.55	136.07	0.86	1673.65
4	216	21	0.59	0.37	-2.96	-2.94	0.35	-0.27	345.93	-168.93	203.41	-26.41	230.36
		23	1.13	9.36	-0.01	9.34	0.01	0.46	21.24	-811.98	-773.88	-16.86	174.04
		40	3.30	19.21	-4.08	16.67	-1.54	-7.27	1142.45	-1697.72	-865.78	310.51	1292.56
		39	3.92	8.04	-11.05	-3.61	0.60	-9.31	1822.85	-1650.81	171.98	0.07	1734.70
5	15	23	1.50	1.52	-26.37	-24.50	-0.35	-6.98	24.16	-999.77	-918.03	-57.58	277.52
		25	1.86	22.80	-2.09	22.61	-1.90	2.12	-50.02	-1280.98	-1266.29	-64.71	133.66
		41	2.78	-6.90	-11.89	-7.30	-11.49	-1.35	918.74	-1633.85	-1245.85	530.74	916.44
		40	5.06	23.08	-63.66	-37.58	-3.01	-39.78	1744.75	-2234.61	-913.86	424.00	1873.86
5	35	23	1.56	2.08	-40.24	-38.37	0.21	-8.69	-5.47	-904.73	-835.34	-74.86	239.96
		25	1.55	8.60	-2.38	8.56	-2.34	0.67	-65.36	-1190.40	-1181.94	-73.82	97.19
		41	2.68	-11.08	-21.40	-20.44	-12.03	-2.99	897.39	-1536.92	-1161.09	521.55	879.57
		40	4.98	21.82	-74.56	-50.52	-2.21	-41.70	1725.16	-2149.37	-830.72	406.50	1835.84
5	112	23	1.10	1.22	-15.97	-14.59	-0.16	-4.67	14.09	-772.18	-714.20	-43.89	205.49

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		25	1.44	17.71	-1.35	17.60	-1.25	1.43	-39.63	-988.22	-978.50	-49.35	95.52
		41	2.11	-1.46	-8.01	-1.60	-7.87	-0.95	672.65	-1230.23	-963.32	405.74	660.80
		40	3.72	16.79	-41.73	-22.74	-2.20	-27.40	1288.41	-1676.76	-711.42	323.07	1389.43
5	159	23	0.97	2.15	-2.74	-0.76	0.18	-2.40	0.92	-783.77	-740.28	-42.57	179.54
		25	1.46	18.29	-0.57	18.26	-0.53	0.79	-42.52	-998.33	-992.91	-47.95	71.81
		41	2.04	11.50	-4.76	11.47	-4.73	-0.64	570.24	-1152.17	-979.49	397.56	517.31
		40	3.21	14.76	-19.28	-2.70	-1.83	-17.01	1116.01	-1541.86	-738.90	313.05	1220.42
5	164	23	1.15	13.07	0.51	13.07	0.51	-0.12	-10.06	-797.56	-766.37	-41.25	153.59
		25	1.48	18.91	0.18	18.91	0.18	0.15	-44.15	-1009.72	-1007.32	-46.55	48.10
		41	2.03	24.55	-1.59	24.54	-1.59	-0.33	483.83	-1090.10	-995.66	389.38	373.81
		40	2.78	19.44	-3.56	17.34	-1.45	-6.63	947.89	-1411.23	-766.37	303.03	1051.41
5	185	23	1.21	9.22	0.54	9.19	0.56	-0.46	81.41	-849.66	-738.69	-29.56	301.68
		25	1.44	15.33	0.35	15.08	0.61	1.94	0.80	-1020.31	-980.52	-38.98	197.60
		41	2.10	22.44	-0.69	22.33	-0.58	1.55	573.87	-1144.15	-967.38	397.10	521.96
		40	3.04	17.68	-3.54	15.12	-0.97	-6.92	1097.55	-1519.64	-737.21	315.12	1198.15
5	216	23	1.13	10.48	0.53	10.48	0.53	-0.03	1.29	-814.44	-769.65	-43.51	185.84
		25	1.43	15.75	0.20	15.75	0.20	0.07	-43.47	-1006.83	-1001.09	-49.21	74.15
		41	2.15	22.85	-1.41	22.85	-1.41	0.21	584.36	-1157.14	-984.01	411.23	521.09
		40	3.12	18.35	-3.58	16.17	-1.40	-6.57	1124.37	-1566.78	-764.05	321.64	1231.21
6	7	25	2.30	44.18	0.87	44.16	0.90	1.02	-58.20	-1401.37	-1396.25	-63.32	82.75
		27	1.79	38.73	0.98	38.72	0.99	-0.55	-55.13	-1048.13	-1044.29	-58.97	-61.68
		42	2.60	49.46	-2.08	49.05	-1.67	4.57	586.17	-1203.68	-1056.99	439.48	-490.95
		41	3.03	57.08	-0.49	57.02	-0.43	1.86	622.51	-1490.65	-1379.00	510.87	472.70
6	91	25	2.62	58.64	-0.62	58.11	-0.09	5.60	-77.59	-1492.84	-1490.66	-79.77	-55.48
		27	2.13	52.94	1.27	52.92	1.29	-1.07	-43.81	-1177.12	-1140.03	-80.90	-201.64
		42	2.92	56.80	-3.07	56.51	-2.78	4.14	639.89	-1377.99	-1155.20	417.11	-632.39
		41	3.14	64.89	-3.43	64.23	-2.77	6.72	548.84	-1530.65	-1475.88	494.07	333.00
6	150	25	1.94	41.62	-0.34	41.29	-9.15e-03	3.72	-58.81	-1129.86	-1129.09	-59.58	-28.68
		27	1.56	36.95	0.89	36.93	0.91	-0.70	-35.76	-883.46	-859.33	-59.89	-140.97
		42	2.18	40.38	-2.38	40.05	-2.05	3.74	487.51	-1035.02	-870.54	323.04	-472.61
		41	2.36	46.50	-2.51	46.08	-2.10	4.49	428.35	-1164.10	-1117.34	381.59	268.84
6	158	25	1.60	25.22	0.50	25.22	0.51	0.28	-44.17	-1036.57	-1032.76	-47.98	61.36
		27	1.19	19.58	0.53	19.58	0.53	-0.12	-41.23	-766.68	-763.30	-44.62	-49.45
		42	1.85	27.19	-2.50	26.06	-1.37	5.68	457.00	-893.34	-772.10	335.77	-386.02
		41	2.13	32.52	-1.22	32.50	-1.21	0.67	470.57	-1099.38	-1018.98	390.18	346.06
6	164	25	1.49	19.15	0.37	19.15	0.37	-0.11	-44.03	-1018.89	-1014.89	-48.02	62.30
		27	1.07	12.40	0.36	12.40	0.36	0.12	-41.22	-748.25	-744.83	-44.64	-49.08
		42	1.75	20.32	-3.95	17.83	-1.46	7.36	458.12	-873.94	-753.06	337.24	-382.63
		41	2.02	24.48	-1.90	24.48	-1.90	0.04	475.17	-1084.30	-1000.67	391.53	351.33
6	173	25	1.58	22.48	0.27	22.46	0.29	0.67	-17.88	-1048.79	-1029.40	-37.27	140.05
		27	1.13	15.80	0.56	15.76	0.60	0.78	-32.11	-760.29	-759.17	-33.23	28.51
		42	1.73	23.31	-3.73	20.65	-1.08	8.05	426.21	-845.29	-767.56	348.48	-304.63
		41	2.14	27.27	-2.16	27.24	-2.13	0.87	522.03	-1135.32	-1015.34	402.05	429.48
6	200	25	1.57	21.70	0.37	21.70	0.37	-0.05	-44.27	-1054.82	-1049.15	-49.93	75.43
		27	1.12	14.17	0.38	14.17	0.39	0.14	-44.21	-774.75	-772.52	-46.44	-40.30
		42	1.76	22.20	-4.04	19.62	-1.45	7.82	443.08	-869.38	-777.77	351.47	-334.42
		41	2.16	27.00	-1.85	26.99	-1.85	0.35	521.84	-1147.31	-1031.90	406.43	423.46
7	15	27	1.10	5.63	-4.16	0.81	0.66	-4.90	-34.58	-908.81	-908.77	-34.63	-6.26
		29	1.45	-5.87	-54.06	-53.46	-6.47	5.35	569.36	-39.71	564.71	-35.07	-53.01
		43	3.27	32.06	-69.30	-51.70	14.47	38.39	1208.97	-712.36	528.10	-31.49	-919.02
		42	1.83	-9.19	-33.17	-23.07	-19.28	11.84	513.48	-1101.83	-1070.75	482.40	-221.91
7	81	27	1.33	-1.17	-2.36	-1.92	-1.61	0.57	114.47	-1020.11	-861.00	-44.64	-393.96
		29	1.76	-1.36	-43.02	-42.18	-2.20	5.84	833.52	-303.87	597.62	-67.97	-461.15
		43	4.07	26.14	-53.44	-38.08	10.77	31.41	1721.29	-1231.41	557.83	-67.94	-1442.81
		42	2.58	3.57	-28.80	-10.30	-14.93	16.02	768.30	-1342.65	-1032.69	458.34	-747.16
7	145	27	1.00	0.32	-1.11	0.24	-1.03	0.34	65.25	-770.09	-672.01	-32.84	-268.92
		29	1.24	-0.95	-29.07	-28.51	-1.50	3.90	603.90	-204.20	448.44	-48.74	-318.53
		43	3.02	18.50	-36.91	-25.76	7.35	22.22	1299.46	-928.81	418.56	-47.91	-1089.45
		42	1.97	4.76	-19.52	-4.57	-10.19	11.81	578.23	-1030.28	-803.50	351.45	-559.77
7	162	27	1.04	10.25	0.05	10.25	0.05	0.18	-11.79	-739.05	-726.19	-24.65	-95.83
		29	0.62	5.18e-03	-4.14	-4.10	-0.04	0.42	423.67	-70.15	383.69	-30.17	-134.71
		43	2.44	9.30	-11.38	-3.55	1.48	10.03	1193.86	-860.71	357.91	-24.76	-1009.31
		42	2.04	20.23	-5.81	16.53	-2.11	9.09	532.07	-1044.26	-855.06	342.87	-512.30
7	164	27	1.05	11.36	0.33	11.35	0.34	-0.31	-19.97	-738.16	-735.06	-23.06	-47.06
		29	0.55	-0.28	-2.96	-2.96	-0.28	0.07	391.79	-42.29	375.19	-25.69	-83.23
		43	2.32	9.03	-10.55	-2.81	1.29	9.58	1139.72	-809.24	350.05	-19.57	-956.79
		42	1.97	20.49	-5.02	17.26	-1.79	8.49	501.04	-1019.68	-862.85	344.21	-462.50

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
7	182	27	1.10	9.30	-0.93	9.02	-0.65	1.66	27.50	-774.07	-720.93	-25.64	-199.42
		29	0.80	1.06	-5.51	-5.28	0.82	1.22	498.85	-147.04	388.21	-36.41	-243.35
		43	2.71	10.41	-12.88	-4.59	2.12	11.15	1301.96	-972.17	361.92	-32.13	-1119.87
		42	2.21	20.49	-8.06	15.42	-2.99	10.90	604.63	-1113.29	-851.12	342.45	-617.79
7	213	27	1.10	14.08	0.37	14.06	0.38	-0.42	-14.19	-748.90	-742.71	-20.38	-67.17
		29	0.53	-0.36	-1.29	-1.21	-0.44	0.26	393.98	-45.34	371.67	-23.03	-96.46
		43	2.48	9.74	-9.55	-1.53	1.72	9.51	1203.72	-904.34	341.94	-42.56	-1036.35
		42	2.16	22.35	-5.73	18.83	-2.21	9.30	556.79	-1109.51	-875.88	323.16	-578.55
8	15	29	1.84	-1.57	-62.53	-62.44	-1.65	2.27	846.69	146.68	846.52	146.85	10.79
		31	3.18	-2.97	-82.92	-82.55	-3.34	-5.41	1670.27	52.35	1664.84	57.78	93.58
		44	4.10	21.79	-54.26	-36.17	3.69	32.38	2584.31	-934.18	2105.80	-455.67	1206.10
		43	2.80	5.41	-49.22	-43.44	-0.37	-16.80	1306.08	-1231.83	793.08	-718.83	-1019.21
8	35	29	1.99	-3.68	-67.03	-67.02	-3.69	0.78	925.67	130.48	918.08	138.07	77.32
		31	3.36	-2.15	-86.62	-86.51	-2.26	-3.05	1746.31	2.09	1730.25	18.15	166.61
		44	4.36	26.37	-55.23	-34.68	5.82	35.42	2700.86	-1000.80	2191.23	-491.17	1275.45
		43	2.76	5.15	-49.00	-42.49	-1.36	-17.61	1328.74	-1169.61	884.85	-725.71	-954.97
8	141	29	0.97	2.68	-1.29	0.84	0.55	-1.98	761.92	4.25	666.23	99.94	-251.68
		31	1.66	0.05	-4.10	-2.73	-1.32	1.95	1288.82	-73.78	1269.79	-54.76	-159.88
		44	2.67	5.45	-7.04	-6.31	4.71	-2.93	1740.56	-531.32	1646.83	-437.58	451.85
		43	3.26	14.14	-6.23	5.15	2.76	10.11	1499.71	-1367.94	676.91	-545.14	-1297.11
8	159	29	1.04	-0.65	-24.33	-24.29	-0.69	0.98	618.67	111.01	618.19	111.49	-15.63
		31	1.96	-1.36	-33.01	-32.83	-1.54	-2.41	1242.64	42.08	1240.83	43.89	46.60
		44	2.84	6.95	-23.25	-19.31	3.00	10.18	1848.27	-618.68	1577.01	-347.42	771.75
		43	2.41	1.10	-15.51	-15.45	1.04	-1.00	1112.50	-1072.59	581.79	-541.88	-937.02
8	164	29	0.76	-0.21	-6.16	-6.14	-0.24	0.39	595.34	108.00	592.96	110.37	-33.92
		31	1.59	-0.63	-9.51	-9.38	-0.76	-1.07	1211.00	42.83	1210.37	43.47	27.18
		44	2.73	3.20	-12.87	-12.80	3.13	-1.08	1747.67	-548.46	1544.26	-345.05	652.44
		43	2.72	8.50	-8.16	-1.71	2.06	8.11	1200.79	-1174.03	560.17	-533.41	-1054.03
8	188	29	0.97	8.42e-03	-11.24	-11.15	-0.08	-1.00	705.37	52.52	655.75	102.14	-173.01
		31	1.76	-1.04	-14.32	-14.30	-1.06	0.57	1266.31	-24.12	1262.51	-20.32	-69.96
		44	2.75	3.84	-13.90	-13.88	3.82	0.61	1760.32	-540.00	1623.43	-403.11	544.20
		43	3.03	6.98	-7.74	-3.25	2.49	6.78	1398.52	-1288.42	650.53	-540.43	-1204.29
8	213	29	0.74	-0.18	-4.75	-4.69	-0.24	0.52	594.94	109.19	590.29	113.85	-47.31
		31	1.56	-0.56	-8.12	-7.91	-0.78	-1.26	1210.14	45.98	1209.77	46.35	20.72
		44	2.68	3.04	-10.42	-10.37	3.00	-0.78	1723.57	-550.40	1541.35	-368.18	617.37
		43	2.86	9.11	-6.52	0.46	2.13	7.77	1261.22	-1267.84	552.82	-559.44	-1135.67
9	15	31	2.62	-3.56	-53.79	-52.88	-4.47	-6.71	1525.69	-8.13	1512.15	5.42	143.49
		33	1.14	-1.73	-72.44	-71.30	-2.87	8.88	288.85	-70.63	140.92	77.29	176.90
		45	4.58	7.38	-26.65	-26.50	7.23	-2.24	1819.08	-2438.49	-392.96	-226.44	2127.16
		44	5.07	-2.86	-113.63	-111.19	-5.30	-16.26	2524.42	-681.99	2093.48	-251.05	1093.64
9	35	31	2.81	-3.22	-58.53	-58.11	-3.64	-4.80	1599.92	-73.73	1562.93	-36.74	246.05
		33	1.35	-1.46	-76.98	-76.52	-1.93	5.90	425.68	-138.19	201.27	86.22	276.01
		45	4.89	7.41	-38.98	-38.39	6.82	-5.20	1955.84	-2514.91	-340.10	-218.97	2234.55
		44	5.38	-4.10	-124.83	-123.10	-5.82	-14.33	2632.70	-790.51	2136.87	-294.69	1204.77
9	122	31	2.07	-2.28	-39.96	-39.70	-2.54	-3.16	1211.64	-47.85	1187.35	-23.55	173.22
		33	0.91	-0.97	-50.97	-50.65	-1.29	4.00	302.84	-97.06	140.24	65.54	196.43
		45	3.69	5.54	-25.37	-24.47	4.64	-5.20	1451.46	-1895.30	-273.73	-170.11	1672.58
		44	3.93	-2.23	-85.52	-84.28	-3.47	-10.09	1976.67	-572.67	1627.51	-223.50	876.49
9	159	31	1.68	-1.77	-21.89	-21.67	-1.98	-2.05	1128.71	-0.92	1121.99	5.81	86.88
		33	0.41	-0.49	-22.71	-22.23	-0.97	3.22	178.34	-45.57	72.76	60.00	111.77
		45	3.37	8.20	-9.46	-4.05	2.79	-8.14	1233.88	-1742.63	-330.72	-178.03	1486.30
		44	3.15	1.23	-47.71	-46.47	-7.87e-03	-7.69	1790.11	-428.47	1560.26	-198.63	676.10
9	164	31	1.43	-0.85	-7.16	-7.15	-0.86	0.33	1094.84	2.69	1090.48	7.06	68.91
		33	0.23	2.79	-0.11	2.71	-0.03	0.47	146.45	-40.52	45.50	60.42	93.19
		45	3.27	18.17	-9.06	8.45	0.66	-13.05	1107.57	-1641.00	-352.47	-180.97	1371.61
		44	2.59	3.89	-17.39	-16.60	3.10	-4.02	1682.30	-363.18	1521.95	-202.84	549.80
9	167	31	1.52	0.12	-9.86	-9.47	-0.27	1.94	1134.61	-22.86	1113.91	-2.16	153.38
		33	0.42	2.16	-1.09	0.40	0.67	-1.62	244.33	-109.32	71.53	63.49	176.78
		45	3.48	16.25	-14.00	1.88	0.37	-15.11	1205.31	-1712.78	-329.09	-178.38	1457.10
		44	2.77	2.92	-23.40	-23.18	2.71	-2.39	1749.09	-419.09	1542.54	-212.55	636.53
9	211	31	1.45	-0.88	-7.65	-7.65	-0.88	0.05	1100.31	2.39	1095.66	7.03	71.27
		33	0.23	1.62	-0.36	1.34	-0.08	0.70	148.99	-42.98	45.64	60.37	95.71
		45	3.32	18.40	-9.69	7.76	0.95	-13.63	1125.34	-1658.25	-352.55	-180.37	1389.13
		44	2.64	3.52	-20.04	-19.50	2.98	-3.52	1696.84	-372.40	1527.73	-203.29	566.87
10	15	33	1.00	-0.15	-52.72	-49.59	-3.28	-12.44	134.24	-403.58	-193.69	-75.65	262.36
		35	1.85	16.72	-4.53	13.29	-1.09	7.82	-46.00	-1378.93	-1374.96	-49.97	72.55

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		46	2.69	-9.98	-30.12	-21.00	-19.10	-10.03	790.26	-1617.57	-1416.33	589.02	666.37
		45	4.91	26.83	-80.75	-64.40	10.48	-38.62	1913.50	-1823.58	-217.88	307.80	1849.96
10	101	33	1.20	1.17	-49.62	-45.93	-2.52	-13.19	227.00	-538.19	-225.35	-85.83	376.18
		35	1.89	18.04	-3.84	16.60	-2.40	5.42	-28.87	-1372.00	-1344.46	-56.41	190.33
		46	2.87	-8.81	-34.44	-22.49	-20.76	-12.79	856.92	-1665.66	-1391.67	582.93	784.91
		45	5.19	27.65	-83.01	-66.18	10.83	-39.73	2033.06	-1926.51	-192.10	298.65	1964.52
10	155	33	0.83	0.90	-32.30	-29.76	-1.64	-8.83	156.73	-398.98	-177.69	-64.56	272.03
		35	1.47	15.02	-2.37	14.21	-1.56	3.66	-25.42	-1055.97	-1039.38	-42.01	129.69
		46	2.19	-3.26	-22.02	-11.16	-14.11	-9.26	630.09	-1263.00	-1076.34	443.43	564.38
		45	3.81	19.69	-55.57	-43.03	7.15	-28.04	1510.10	-1438.71	-157.63	229.02	1461.68
10	159	33	0.49	0.46	-14.25	-12.86	-0.93	-4.30	69.55	-307.22	-181.26	-56.41	177.74
		35	1.54	18.24	-0.63	17.82	-0.21	2.78	-34.11	-1067.65	-1066.38	-35.37	36.07
		46	2.13	11.50	-9.73	9.29	-7.53	-6.48	525.92	-1200.12	-1103.48	429.27	396.83
		45	3.17	15.10	-28.73	-16.84	3.21	-19.49	1296.40	-1264.91	-198.26	229.75	1262.65
10	164	33	0.47	6.49	0.28	6.47	0.29	-0.27	45.81	-306.79	-205.94	-55.04	159.33
		35	1.63	23.63	0.27	23.63	0.28	0.31	-32.61	-1073.48	-1073.05	-33.03	20.98
		46	2.24	29.71	-3.02	28.75	-2.05	-5.53	471.01	-1174.14	-1114.18	411.05	308.30
		45	2.77	16.28	-8.63	8.16	-0.51	-11.68	1162.94	-1160.27	-221.71	224.38	1139.99
10	192	33	0.66	8.33	0.95	8.23	1.05	-0.84	123.89	-410.11	-223.93	-62.28	254.47
		35	1.66	25.20	-0.80	25.08	-0.68	-1.78	-22.29	-1066.10	-1052.32	-36.07	119.12
		46	2.31	28.63	-5.32	26.66	-3.35	-7.93	511.47	-1199.77	-1096.71	408.41	407.11
		45	2.98	15.83	-10.00	5.95	-0.12	-12.55	1260.72	-1246.53	-203.73	217.92	1235.77
10	208	33	0.45	4.66	0.31	4.62	0.35	-0.38	49.06	-306.47	-201.91	-55.50	161.99
		35	1.62	22.47	0.24	22.46	0.24	0.34	-33.09	-1076.75	-1076.27	-33.56	22.32
		46	2.24	28.92	-3.14	27.81	-2.03	-5.86	478.83	-1180.31	-1116.72	415.24	318.54
		45	2.81	15.30	-9.65	6.14	-0.49	-12.02	1185.05	-1174.38	-217.15	227.82	1158.54
11	7	35	2.59	59.67	0.92	59.65	0.94	0.96	-72.00	-1461.19	-1459.12	-74.07	53.53
		428	2.53	60.12	0.90	60.11	0.92	-0.85	-57.81	-1408.82	-1394.44	-72.19	-138.63
		47	3.67	71.82	-1.47	71.78	-1.44	1.60	892.05	-1740.29	-1379.78	531.53	-905.00
		46	3.26	70.80	-1.42	70.72	-1.34	-2.33	615.66	-1479.92	-1428.00	563.74	325.74
11	69	35	2.84	69.92	0.50	69.82	0.60	2.57	-84.33	-1545.81	-1544.85	-85.30	-37.55
		428	2.80	70.35	1.67e-03	70.21	0.15	-3.19	-47.16	-1518.57	-1480.53	-85.21	-233.53
		47	3.91	77.65	-3.04	77.65	-3.03	-0.84	933.37	-1888.05	-1472.15	517.46	-1000.24
		46	3.41	76.65	-2.51	76.64	-2.51	-0.74	577.67	-1546.19	-1520.02	551.50	234.32
11	139	35	2.10	49.86	0.40	49.80	0.45	1.68	-63.98	-1169.41	-1169.06	-64.32	-19.51
		428	2.07	50.11	0.06	50.03	0.15	-2.09	-37.44	-1146.06	-1119.40	-64.10	-169.83
		47	2.94	55.56	-2.26	55.56	-2.26	0.04	714.32	-1427.21	-1112.13	399.24	-758.60
		46	2.55	54.92	-1.94	54.90	-1.92	-1.07	447.52	-1171.68	-1149.23	425.07	189.31
11	158	35	1.75	33.15	0.55	33.15	0.55	0.17	-54.29	-1069.50	-1067.82	-55.96	41.20
		428	1.70	33.12	0.52	33.12	0.52	-0.13	-43.20	-1028.77	-1017.30	-54.67	-105.69
		47	2.60	39.65	-1.74	39.42	-1.51	3.10	684.50	-1284.35	-1005.28	405.43	-686.71
		46	2.25	39.38	-1.75	39.13	-1.50	-3.21	469.83	-1084.14	-1043.65	429.34	247.55
11	164	35	1.59	24.41	0.41	24.41	0.42	-0.27	-54.22	-1045.48	-1043.74	-55.95	41.42
		428	1.54	24.15	0.37	24.15	0.37	0.28	-42.87	-1004.75	-992.91	-54.72	-106.08
...													
796	208	784	1.89	24.87	-34.72	2.40	-12.26	-28.88	-17.39	-81.26	-78.22	-20.43	-13.62
Elem.			**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
					-3860.36	-1922.34	-2485.86	-2958.06		-1.631e+04	-1.171e+04	-1.255e+04	-7759.91
			234.64	7268.18		4738.56	3838.48	3236.21	3.096e+04		1.509e+04	2.824e+04	8444.06

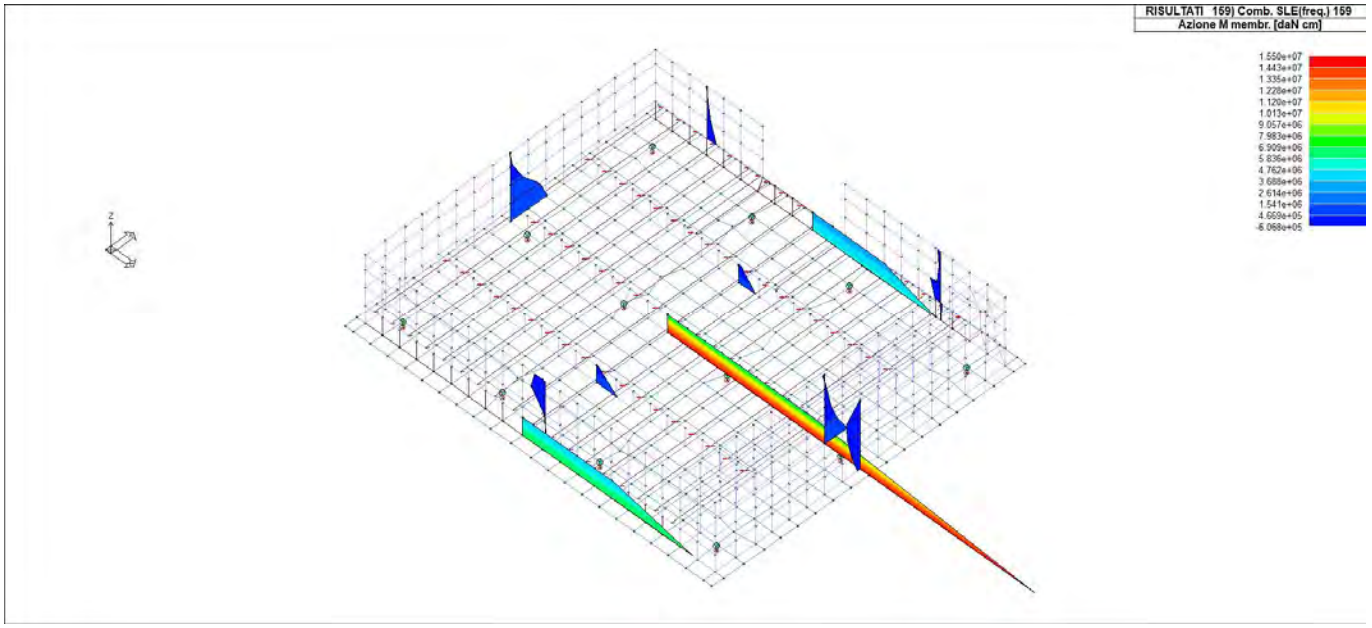


Figura 64 - RIS_M_159_Comb SLEfreq 159

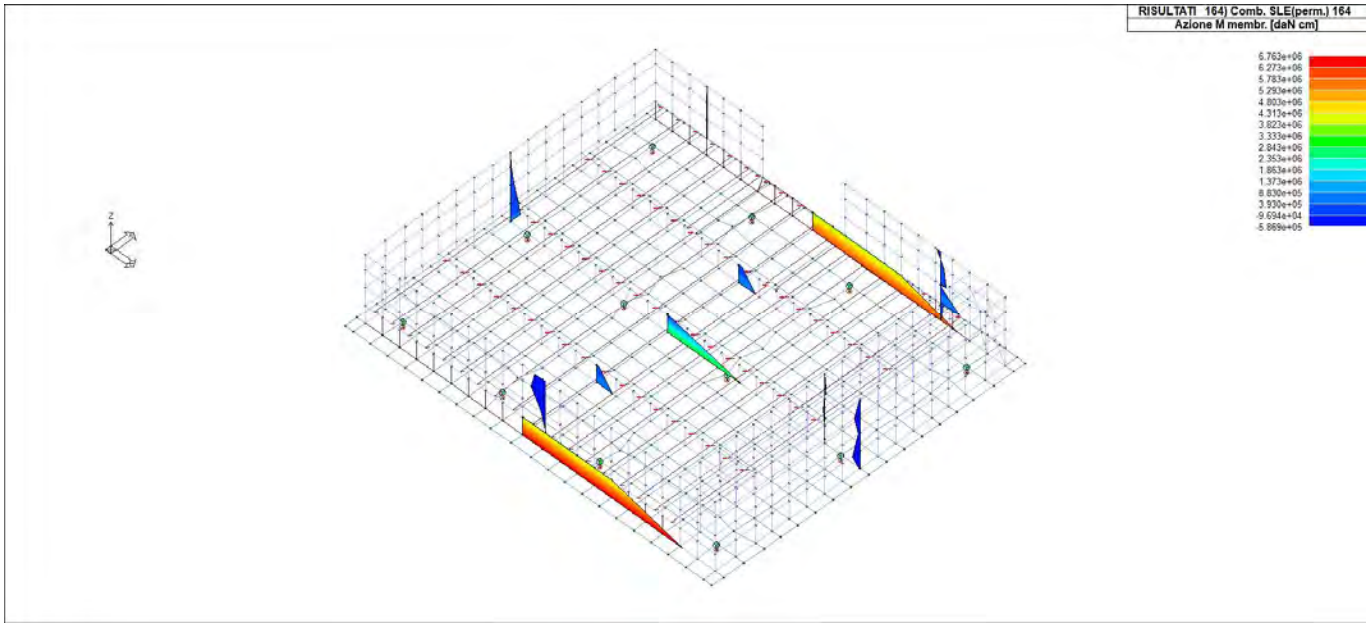


Figura 65 - RIS_M_164_Comb SLEperm 164

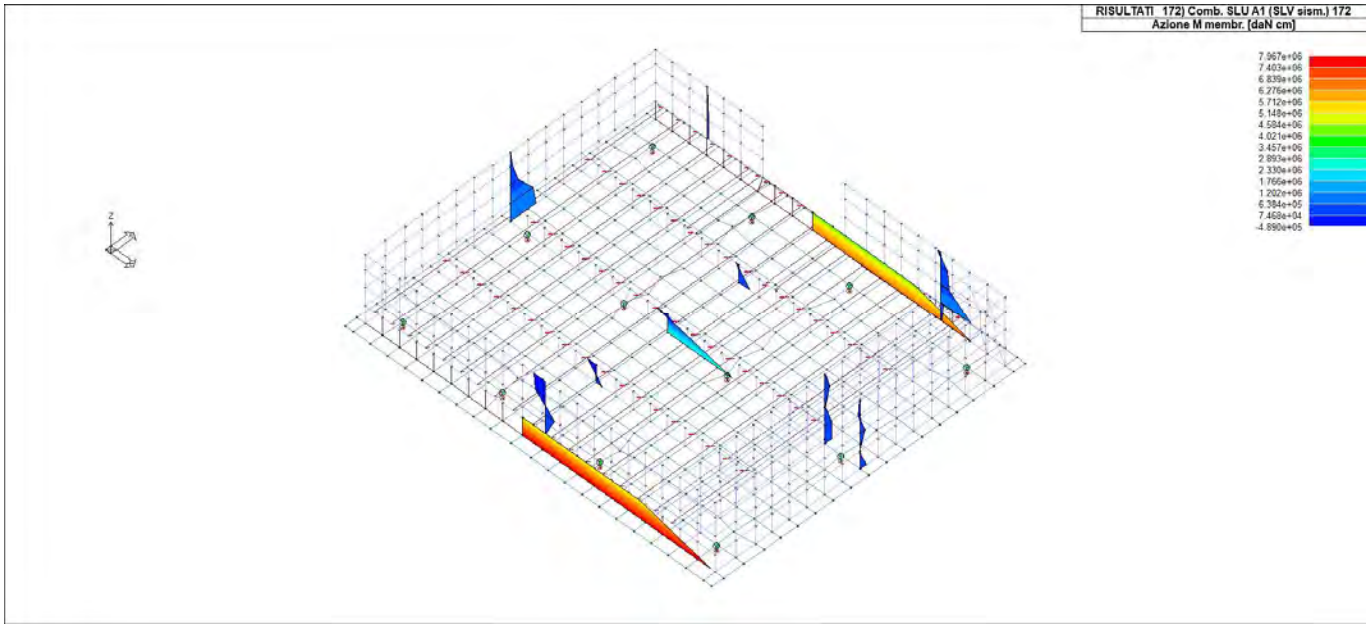


Figura 66 - RIS_M_172_Comb SLU A1 SLV sism 172

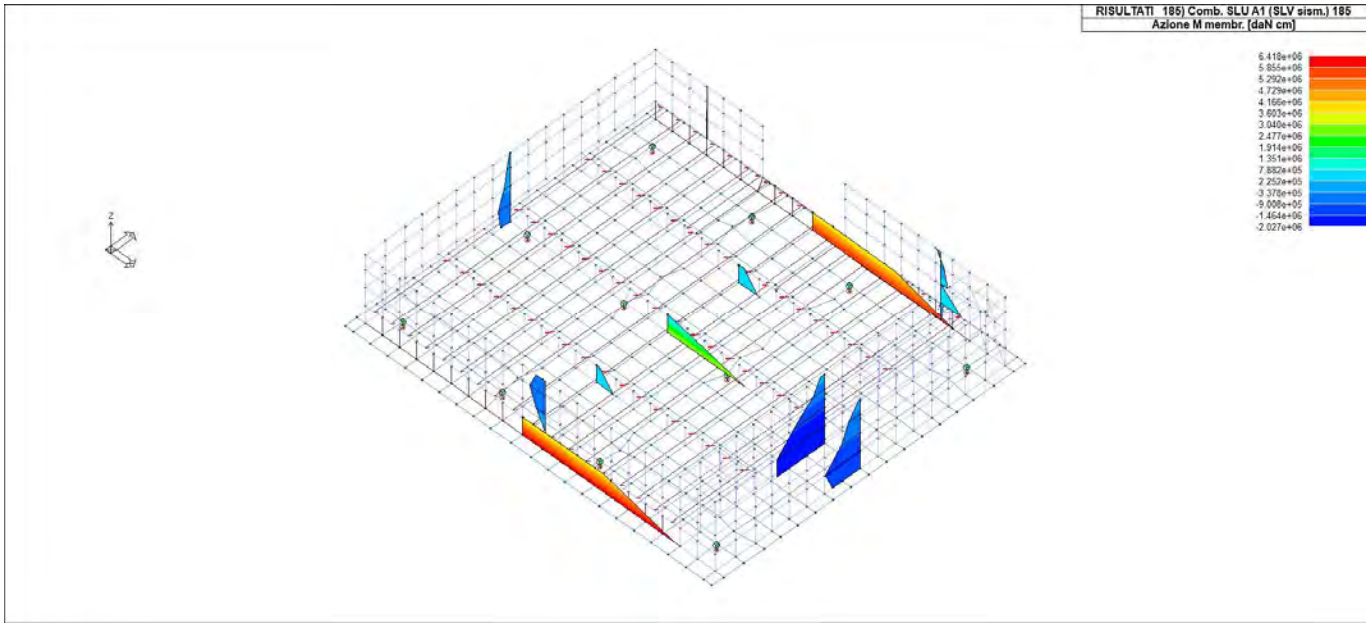


Figura 67 - RIS_M_185_Comb SLU A1 SLV sism 185

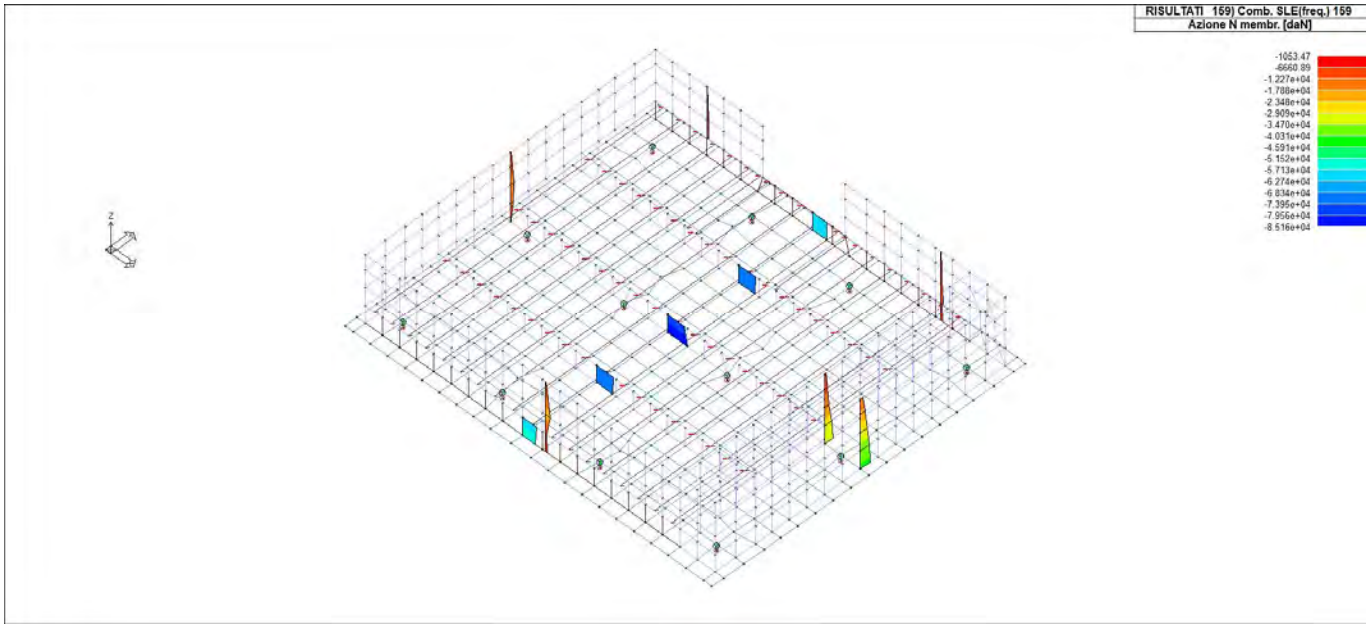


Figura 68 - RIS_N_159_Comb SLEfreq 159

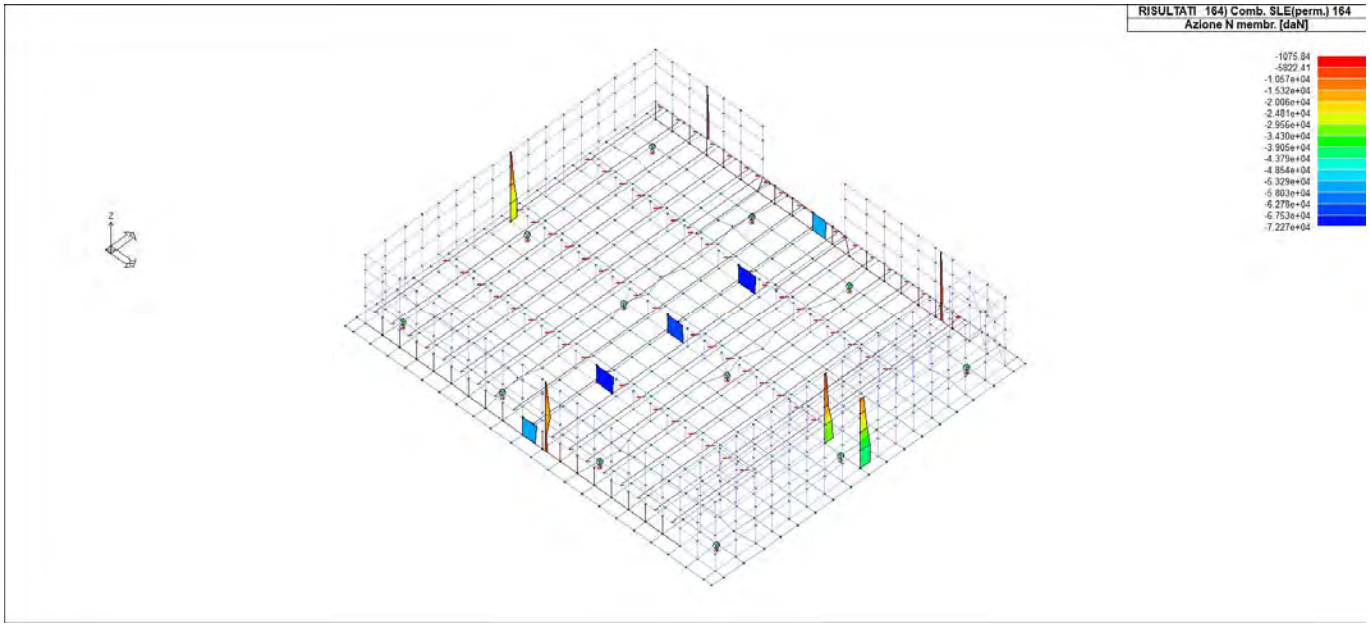


Figura 69 - RIS_N_164_Comb SLEperm 164

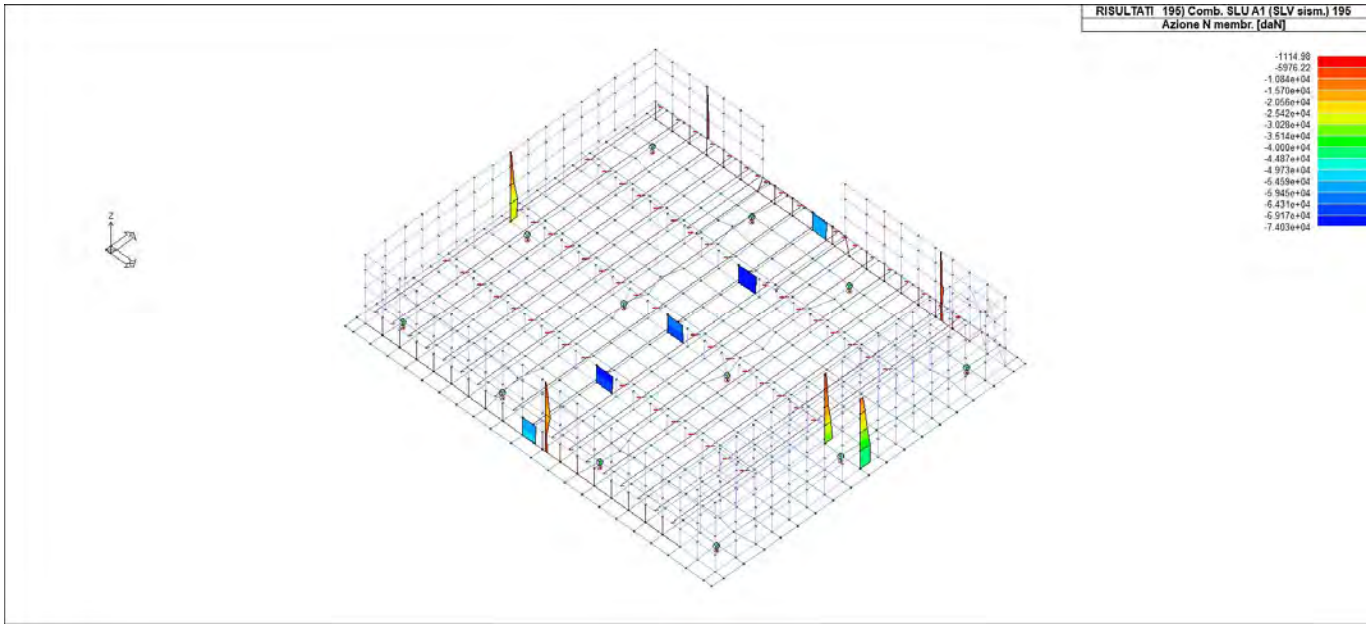


Figura 70 - RIS_N_195_Comb SLU A1 SLV sism 195

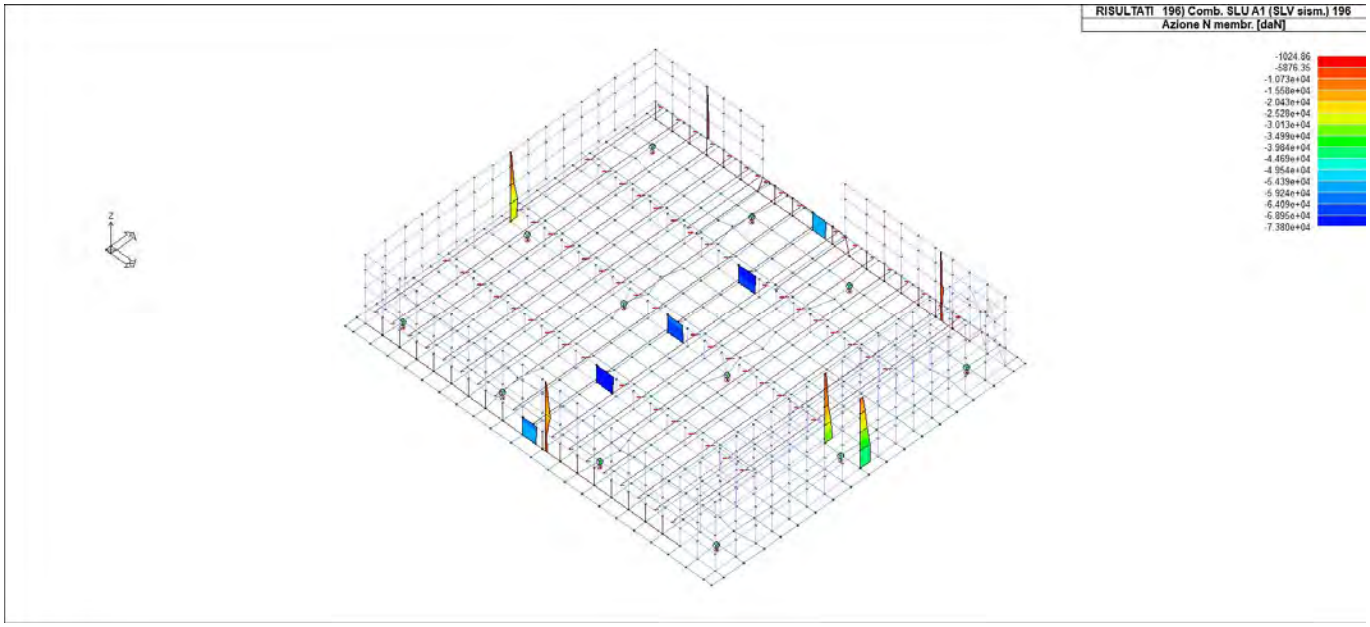


Figura 71 - RIS_N_196_Comb SLU A1 SLV sism 196

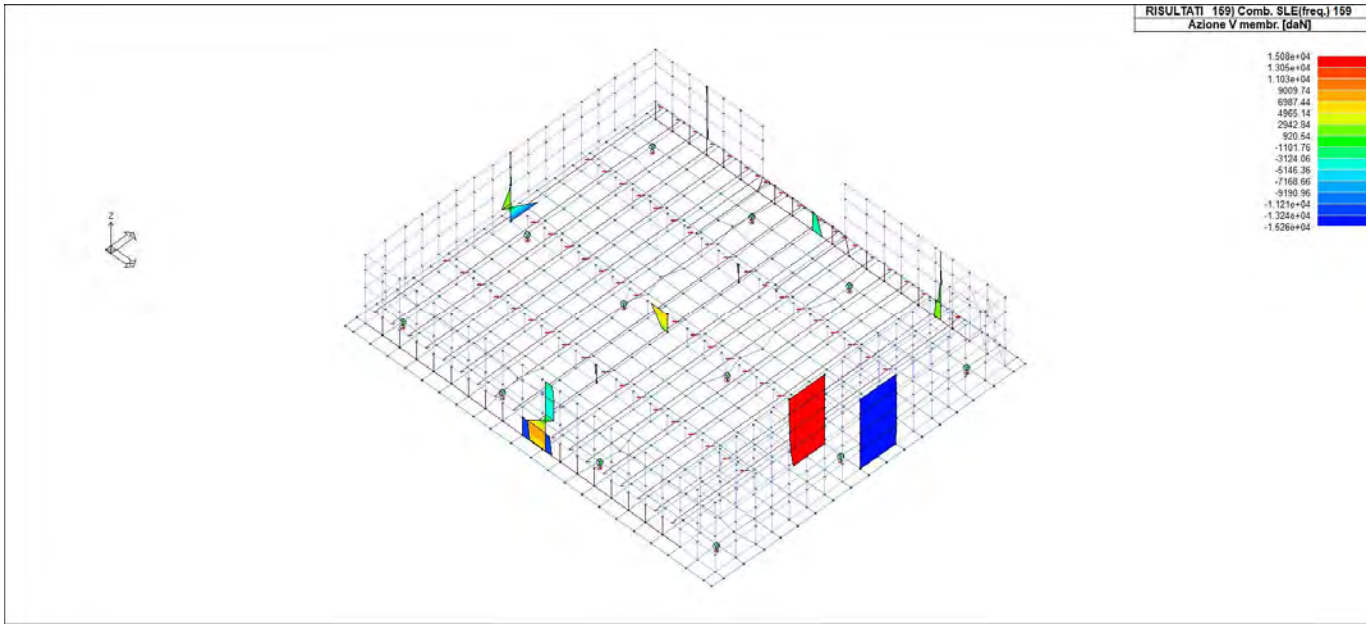


Figura 72 - RIS_V_159_Comb SLEfreq 159

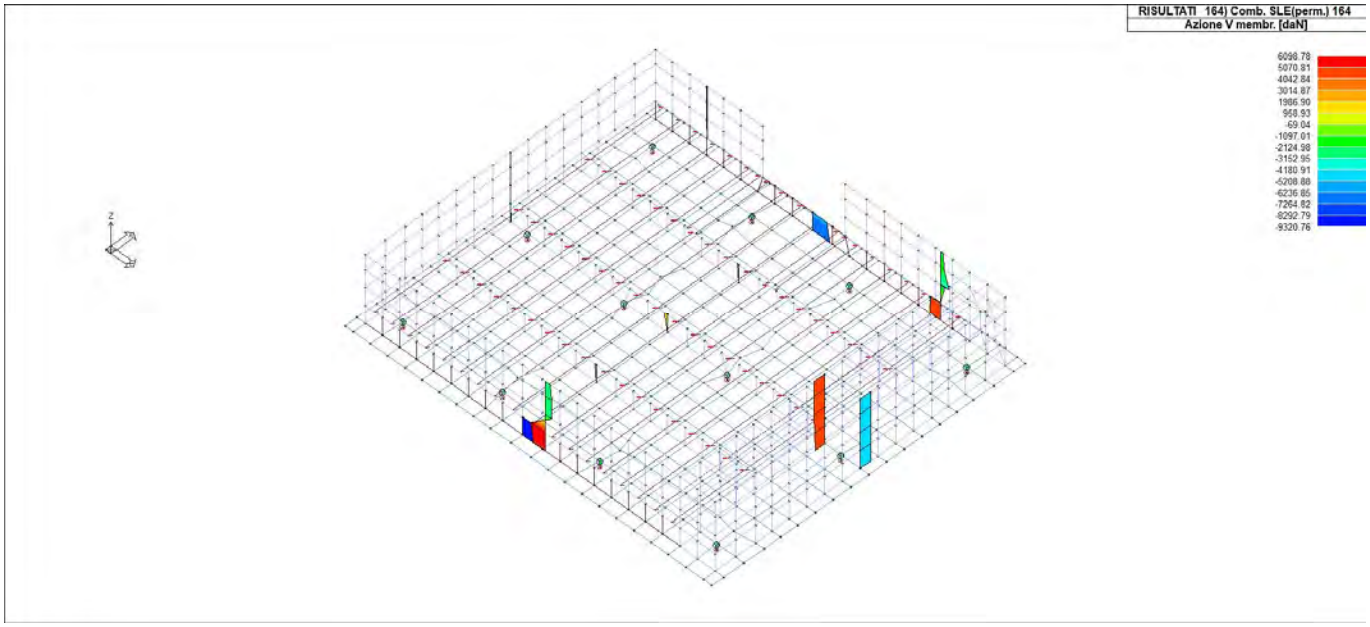


Figura 73 - RIS_V_164_Comb SLEperm 164

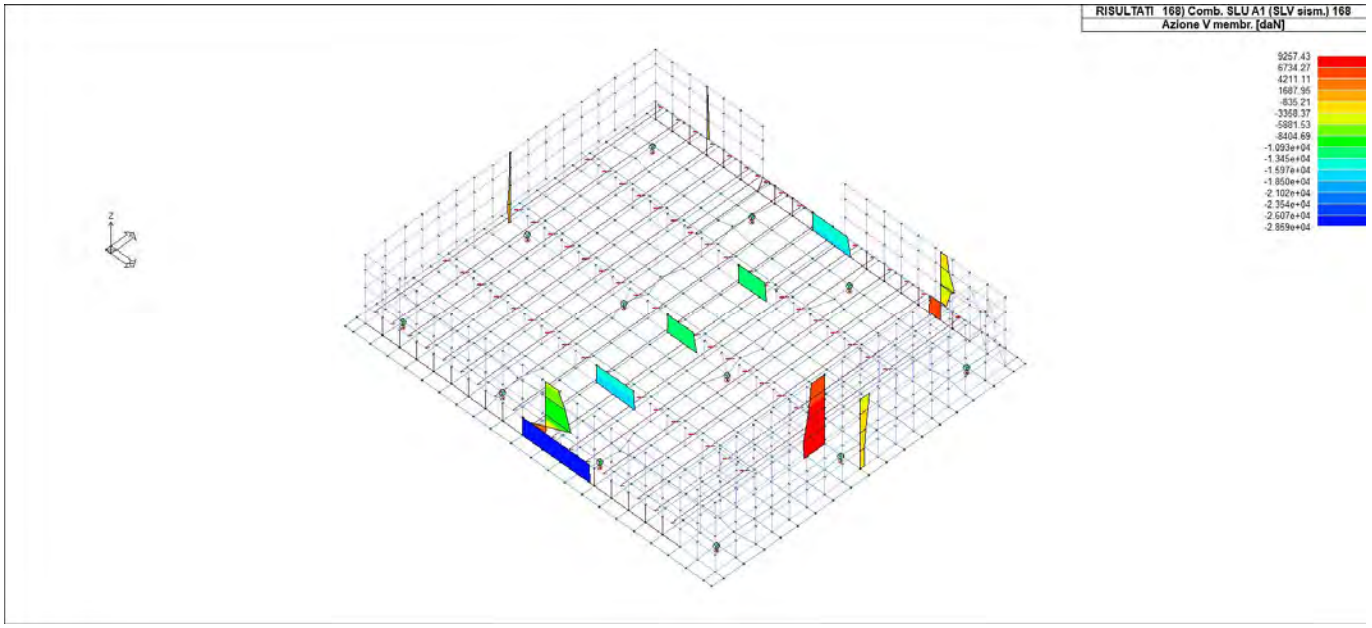


Figura 74 - RIS_V_168_Comb SLU A1 SLV sism 168

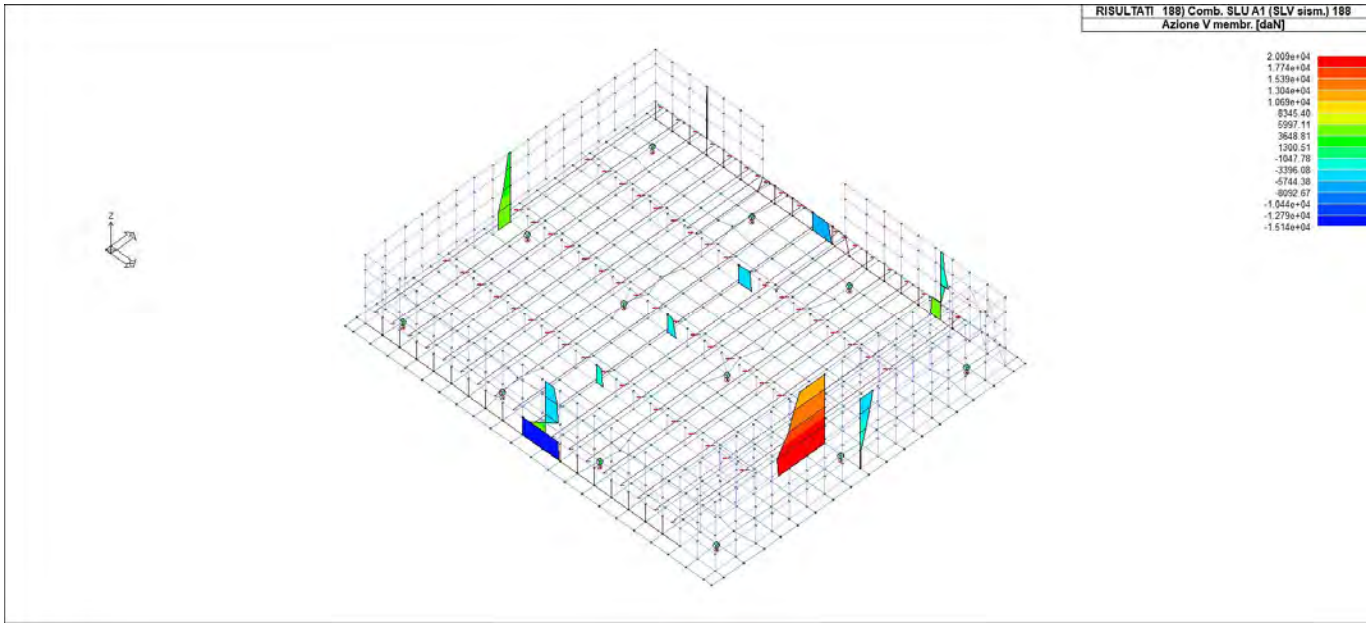


Figura 75 - RIS_V_188_Comb SLU A1 SLV sism 188

Macro	Tipo	Angolo 1-X (gradi)
1	**Guscio**	**0.0**

M_G 2M 1-2	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	

daN	daN										
1	15	13	10.22	2.14	3.32	9.03	-2.86	-16.21	-100.60	-33.64	-83.1734.16
1	15	14	-5.45	-7.16	-6.50	-6.11	0.83	353.68	44.51	348.41	49.78 40.01
1	15	15	-1.32	-60.59	-57.94	-3.98	-12.27	1318.71	58.51	1301.37	75.84 146.78
1	15	16	-6.25	-106.66	-106.51	-6.39	-3.83	691.95	-115.42	519.64	56.89 330.80
1	15	17	-1.91	-26.83	-26.79	-1.95	-1.00	83.41	-873.66	-741.04	-49.21330.66
1	15	18	6.81	-2.07	6.23	-1.49	-2.19	-47.84	-1094.61	-1066.06	-76.38170.49
1	15	19	-0.58	-9.76	-9.66	-0.67	-0.92	-54.58	-691.04	-691.03	-54.58-1.16
1	15	20	-4.75	-63.46	-63.11	-5.10	4.54	673.72	69.48	673.35	69.85 15.07
1	15	21	-4.36	-74.17	-73.45	-5.08	-7.03	1374.04	22.45	1359.37	37.12 140.06
1	15	22	-3.96	-65.88	-65.78	-4.06	-2.43	321.85	-207.43	110.75	3.66 259.17
1	15	23	-1.05	-3.32	-3.21	-1.16	0.49	-59.14	-1114.75	-1099.70	-74.18125.14
1	15	24	-1.28	-9.49	-9.47	-1.29	0.32	-57.23	-1064.12	-1054.61	-66.74-97.38
1	15	25	-4.32	-67.15	-66.93	-4.54	3.72	208.38	-171.46	28.90	8.02 -189.64
1	15	26	-4.81	-69.73	-69.56	-4.98	3.36	1227.96	43.62	1225.36	46.22 -55.42
1	15	27	-5.16	-59.68	-59.47	-5.38	-3.39	453.98	56.45	432.95	77.48 88.98
1	15	28	9.91	-1.35	9.84	-1.28	0.87	-28.97	-1046.65	-1031.94	-43.68121.45
1	15	29	52.45	-1.96	52.42	-1.94	1.21	-68.18	-1537.33	-1536.75	-68.76-29.19
1	15	30	68.36	-2.46	68.30	-2.39	2.21	-47.47	-1696.14	-1679.30	-64.30-165.73
1	15	31	63.32	-2.82	63.32	-2.82	-0.36	-3.81	-1848.39	-1811.58	-40.62-257.95
1	15	32	6.26	-2.33	6.06	-2.12	1.31	212.34	-1054.00	-954.92	113.26-340.08
1	15	33	12.07	-20.63	-4.99	-3.57	16.33	1136.33	4.90	1120.50	20.73 -132.88
1	15	34	1.01	-10.56	0.98	-10.53	0.58	454.85	21.43	452.66	23.62 -30.70
1	15	35	11.26	0.10	0.87	10.49	2.82	-9.22	-105.87	-36.29	-78.80-43.40
1	15	36	-2.79	-8.67	-4.07	-7.39	2.43	443.13	7.29	22.70	427.72 -80.49
1	15	37	5.22	-33.42	-13.53	-14.67	19.31	1304.48	-790.57	362.61	151.30-1042.18
1	15	38	-5.51	-65.77	-65.72	-5.56	-1.80	1582.30	-2752.39	1497.86	-2667.95 599.07
1	15	39	-7.74	-80.27	-75.91	-12.10	-17.23	3276.18	-2401.52	728.41	146.252823.89
1	15	40	5.29	-58.28	-44.00	-8.99	-26.53	2055.55	-2086.35	-896.91	866.11 1873.97
1	15	41	-11.53	-24.50	-22.02	-14.01	-5.10	1303.99	-1427.97	-1151.16	1027.18 824.39
1	15	42	1.34	-38.46	-25.98	-11.13	18.46	995.63	-960.84	-910.53	945.32 -309.66
1	15	43	4.46	-69.29	-59.37	-5.45	25.16	2027.23	-856.87	1112.19	58.17-1342.30
1	15	44	-10.76	-88.58	-86.49	-12.85	-12.59	1764.63	-2693.05	1422.86	-2351.29 1186.03
1	15	45	-9.75	-66.82	-63.31	-13.26	-13.71	2704.74	-1873.72	111.35	719.662268.93
1	15	46	-12.21	-33.86	-33.55	-12.52	-2.58	1357.73	-1434.45	-1216.53	1139.81 748.98
1	15	47	5.33	-50.94	-34.63	-10.99	25.53	1274.01	-1385.28	-1194.72	

1083.45	-685.89									
1	15	48	-1.54	-70.71	-58.06	-14.18	26.74	2341.40	-1651.26	41.44
648.70	-1973.11									
1	15	49	-4.78	-84.29	-78.40	-10.67	20.83	1447.05	-2628.89	1306.51
2488.35	-743.69									
1	15	50	2.50	-50.69	-44.58	-3.62	-16.97	2351.53	-1491.68	861.46
1.611872.52										
1	15	51	12.55	-20.00	1.88	-9.33	-15.28	1204.97	-1582.06	-1233.32
856.23	922.13									
1	15	52	29.65	-10.54	29.32	-10.20	-3.65	956.74	-1568.67	-1567.87
955.94	-44.87									
1	15	53	39.63	-8.90	39.52	-8.79	-2.30	1141.66	-1911.75	-1670.50
900.41	-823.67									
1	15	54	30.93	-6.08	30.30	-5.45	4.80	1374.81	-2463.00	-1812.64
724.46	-1439.78									
1	15	55	12.19	-29.10	3.21	-20.12	17.03	2111.74	-3303.11	-1235.29
43.91	-2630.79									
1	15	56	1.48	-37.02	-30.71	-4.83	14.25	1640.43	-2740.47	1516.20
2616.25	-727.19									
1	15	57	7.26	-29.22	-22.55	0.59	-14.10	1531.32	-689.16	555.95
286.21	1102.02									
1	15	58	-1.38	-7.66	-1.86	-7.18	-1.67	455.78	-15.93	11.89
427.95	111.14									
1	15	59	-1.97	-77.65	-3.90	-75.72	-11.93	3080.31	84.78	92.01
3073.08	147.03									
1	15	60	-0.79	-82.19	-0.79	-82.19	-0.14	3228.62	-2541.87	-2379.01
3065.75	955.66									
1	15	61	-34.02	-67.54	-54.35	-47.21	-16.38	1.500e+04	1.221e+04	1.327e+04
1.394e+04	1352.03									
1	15	62	-35.64	-99.02	-90.38	-44.27	-21.74	6037.25	-912.36	-461.56
5586.46	1711.62									
1	15	63	-22.16	-100.90	-77.95	-45.12	-35.79	3616.63	-2164.22	-1709.83
3162.24	1555.73									
1	15	64	-31.13	-74.15	-63.83	-41.46	-18.37	2993.51	-2347.32	-2125.26
2771.46	1066.13									
1	15	65	-48.25	-55.39	-53.57	-50.08	3.12	4007.99	-1790.55	-1732.64
3950.08	576.57									
1	15	66	-43.05	-67.00	-44.10	-65.94	4.92	7909.08	175.77	198.75
7886.09	421.00									
1	15	67	-66.10	-72.77	-68.02	-70.84	3.02	1.676e+04	1.333e+04	1.355e+04
1.655e+04	4838.62									
1	15	68	-54.21	-84.95	-84.51	-54.65	3.66	5959.51	-1812.19	-1716.33
5863.64	857.81									
1	15	69	-43.80	-84.54	-83.37	-44.98	6.82	3485.99	-2332.94	-2299.59
3452.64	439.27									
1	15	70	-31.28	-94.06	-79.92	-45.42	26.22	3731.03	-2192.27	-2185.17
3723.92	-205.02									
1	15	71	-38.04	-88.24	-76.55	-49.72	21.21	6091.94	-1743.84	-1710.73
6058.82	-508.33									
1	15	72	-41.42	-79.48	-56.88	-64.01	18.69	1.689e+04	1.370e+04	1.376e+04
1.683e+04	-432.45									
1	15	73	-28.59	-55.70	-30.22	-54.07	6.44	7764.60	-35.94	-35.92
7764.59	10.53									
1	15	74	-29.75	-35.22	-32.20	-32.78	-2.72	3592.45	-1968.89	-1966.76
3590.32	-108.81									
1	15	75	-15.38	-33.86	-33.42	-15.83	2.83	1981.60	-2535.88	-2464.19
1909.91	-564.56									
1	15	76	-7.10	-40.67	-39.93	-7.85	4.94	1527.20	-2757.83	-2478.05
1247.42	-1058.57									
1	15	77	-18.96	-53.98	-53.95	-18.98	0.93	1731.56	-2847.37	-2377.46
1261.65	-1389.57									
1	15	78	-59.33	-69.46	-64.01	-64.78	5.05	2871.16	-4554.68	-4260.82
2577.30	-1447.70									
1	15	79	-14.28	-80.92	-45.06	-50.14	33.22	1.421e+04	1.219e+04	1.343e+04
1.297e+04	-982.26									
1	15	80	2.80	-95.25	2.16	-94.62	7.86	2633.53	-2139.35	-2065.28
2559.46	-589.94									
1	15	81	-3.65	-98.61	-4.55	-97.71	9.21	2605.23	52.26	56.52
2600.98	-104.16									
1	15	82	-18.98	-100.16	-44.04	-75.11	-37.50	4601.69	-1296.50	3545.22

240.032261.66										
1	15	83	-69.75	-125.87	-70.48	-125.14	-6.34	3814.49	924.09	3418.48
1320.09 993.88										
1	15	84	-55.69	-112.86	-61.26	-107.28	16.96	3590.05	1104.29	3411.40
1282.94 -642.01										
1	15	85	-9.64	-122.31	-46.39	-85.56	52.82	3720.59	-1356.15	3526.60
1162.16 -973.24										
1	15	86	-4.29	-116.96	-4.50	-116.76	-4.84	757.00	-177.87	17.66
561.47 380.22										
1	15	87	-1.00	-73.28	-23.22	-51.07	-33.35	3892.11	-3113.99	297.29
480.83 3501.85										
1	15	88	15.06	-171.81	-71.06	-85.69	-93.15	1680.81	962.34	1055.48
1587.67 241.34										
1	15	89	-9.02	-147.91	-73.29	-83.65	-69.25	1571.24	-1967.33	-1731.12
1335.03 883.20										
1	15	90	-38.50	-110.61	-68.46	-80.66	-35.54	1723.57	-2836.52	-2359.71
1246.77 1395.33										
1	15	91	-63.08	-99.60	-64.20	-98.47	-6.31	2777.77	-2535.39	-1617.74
1860.12 2008.37										
1	15	92	-54.48	-122.41	-54.50	-122.39	1.15	4510.68	-753.88	1404.40
2352.41 2589.25										
1	15	93	-78.17	-123.41	-94.45	-107.13	-21.72	3200.06	-321.76	208.83
2669.47 -1259.80										
1	15	94	-81.58	-100.71	-100.69	-81.60	-0.58	1888.83	-2360.83	-2358.34
1886.34 -102.87										
1	15	95	-60.60	-120.73	-97.40	-83.93	29.30	2065.68	-2283.76	-2200.04
1981.96 597.60										
1	15	96	-52.49	-133.96	-86.04	-100.42	40.10	3544.04	-579.10	255.37
2709.58 1656.59										
1	15	97	-45.80	-97.71	-46.39	-97.11	5.53	4186.31	-632.37	1242.34
2311.60 -2349.28										
1	15	98	-53.58	-63.46	-54.92	-62.12	3.38	2417.40	-2707.86	-1923.80
1633.34 -1844.92										
1	15	99	-25.94	-68.68	-61.53	-33.09	15.95	1227.39	-3402.20	-2877.93
703.13 -1467.07										
1	15	100	-11.01	-81.46	-69.84	-22.64	26.15	785.74	-3380.11	-2874.57
280.20 -1360.30										
1	15	101	-12.50	-104.48	-81.79	-35.19	39.66	716.91	-2710.12	-2287.19
293.98 -1127.18										
1	15	102	8.72	-156.74	-82.25	-65.78	82.32	291.72	-983.94	-940.32
248.10 231.83										
1	15	103	-10.26	-109.66	-27.76	-92.16	37.86	3117.01	-1996.43	600.17
520.42 -2556.41										
1	15	104	-4.43	-171.61	-4.62	-171.42	5.60	628.09	-95.50	11.00
521.58 -256.37										
1	15	105	63.69	-2.07	-1.96	63.58	2.71	10.31	-1905.56	-45.70
1849.55 322.74										
1	15	106	69.63	-41.55	-4.25	32.33	-52.50	2128.28	-3501.84	418.59
1792.15 2588.96										
1	15	107	49.95	-121.73	-13.94	-57.84	-82.99	1778.45	-3940.21	349.33
2511.09 2475.94										
1	15	108	33.02	-168.16	-23.57	-111.56	-90.46	148.06	-3081.16	-525.12
2407.98 1311.75										
1	15	109	-5.73	-154.12	-43.70	-116.15	-64.75	-870.62	-3117.53	-1886.04
2102.10 1118.25										
1	15	110	-40.77	-131.93	-59.81	-112.90	-37.06	-639.02	-3681.92	-2357.93
1963.01 1508.59										
1	15	111	-63.39	-122.35	-68.82	-116.92	-17.04	21.02	-3802.35	-1759.89
2021.44 1907.21										
1	15	112	-71.53	-130.69	-72.20	-130.02	-6.27	602.33	-3311.23	-387.74
2321.16 1701.31										
1	15	113	-83.73	-139.99	-86.71	-137.01	-12.60	103.30	-2664.97	-17.74
2543.92 566.06										
1	15	114	-89.51	-127.80	-94.79	-122.51	-13.21	-895.50	-2132.22	-960.07
2067.65 -275.12										
1	15	115	-100.03	-104.46	-100.79	-103.70	1.67	-1662.73	-2312.96	-2301.94
1673.75 -83.90										
1	15	116	-79.49	-120.76	-98.18	-102.07	20.54	-1358.88	-2551.78	-2194.45
1716.20 546.42										
1	15	117	-69.82	-132.35	-89.07	-113.09	28.86	-690.31	-2387.18	-975.47

2102.02 634.48											
1	15	118	-70.16	-127.41	-80.98	-116.59	22.41	-78.85	-2587.45	-101.08	-
2565.23-235.06											
1	15	119	-62.57	-101.56	-67.35	-96.78	12.79	197.49	-3111.11	-628.35	-
2285.28-1431.90											
1	15	120	-52.28	-84.17	-66.43	-70.03	15.85	-277.28	-3811.74	-2203.96	-
1885.05-1760.02											
1	15	121	-31.50	-83.86	-65.58	-49.78	24.96	-626.36	-4102.84	-3077.31	-
1651.88-1585.40											
1	15	122	-12.15	-93.14	-66.00	-39.29	38.23	-609.05	-3872.76	-3039.94	-
1441.87-1422.85											
1	15	123	-7.36	-101.29	-66.30	-42.35	45.41	-344.93	-2976.80	-2105.38	-
1216.35-1238.58											
1	15	124	26.31	-137.77	-59.42	-52.04	81.96	186.35	-1606.63	-264.22	-
1156.06 -777.72											
1	15	125	38.98	-137.38	-41.57	-56.83	87.85	1490.68	-1816.25	1061.88	-
1387.45-1110.92											
1	15	126	26.09	-82.30	-5.66	-50.55	49.33	1449.61	-1713.26	521.50	-
785.15-1440.18											
1	15	127	-1.29	-39.90	-1.51	-39.68	-2.90	21.16	-872.24	-20.16	-
830.92-187.64											
1	15	128	193.24	0.81	0.81	193.24	-1.21	-34.85	-3724.17	-47.91	-
3711.11219.10											
1	15	129	147.69	-27.14	-8.62	129.17	-53.81	954.46	-4370.90	350.37	-
3766.81 1688.81											
1	15	130	74.08	-113.60	17.38	-56.90	-86.17	-419.54	-6051.26	-1102.98	-
5367.821838.98											
1	15	131	26.04	-159.20	1.79	-134.95	-62.48	-1270.88	-6410.27	-1816.51	-
5864.641583.19											
1	15	132	-16.21	-157.41	-26.65	-146.96	-36.96	-1869.97	-6136.70	-2461.53	-
5545.141474.47											
1	15	133	-48.26	-143.44	-52.66	-139.04	-19.97	-2042.14	-6039.61	-2716.01	-
5365.731496.56											
1	15	134	-72.26	-135.76	-73.73	-134.28	-9.57	-1821.92	-6219.22	-2409.15	-
5631.981495.80											
1	15	135	-88.33	-136.55	-88.87	-136.01	-5.07	-1527.50	-6458.40	-1874.04	-
6111.861260.42											
1	15	136	-96.63	-137.47	-97.27	-136.83	-5.09	-1600.09	-6392.22	-1724.50	-
6267.81 762.05											
1	15	137	-98.75	-132.10	-99.37	-131.48	-4.51	-2101.37	-5881.37	-2126.69	-
5856.06 308.29											
1	15	138	-96.56	-122.96	-97.14	-122.38	3.86	-2692.20	-5323.27	-2701.03	-
5314.44 152.16											
1	15	139	-88.23	-125.94	-95.50	-118.67	14.87	-2660.13	-5447.88	-2673.41	-
5434.59 191.95											
1	15	140	-84.19	-129.52	-95.71	-118.00	19.73	-2173.17	-5976.85	-2174.11	-
5975.92 59.63											
1	15	141	-82.58	-123.69	-94.02	-112.25	18.42	-1801.37	-6367.07	-1830.30	-
6338.14-362.27											
1	15	142	-73.80	-109.46	-84.87	-98.39	16.49	-1986.61	-6225.04	-2158.09	-
6053.56 -835.11											
1	15	143	-56.87	-95.24	-70.89	-81.22	18.48	-2517.37	-5675.62	-2930.32	-
5262.67-1064.74											
1	15	144	-37.05	-86.33	-55.65	-67.73	23.89	-2768.47	-5134.16	-3495.45	-
4407.18-1091.47											
1	15	145	-21.15	-82.16	-44.07	-59.24	29.55	-2428.00	-4592.03	-3381.77	-
3638.27-1074.39											
1	15	146	-17.88	-78.35	-46.72	-49.50	30.20	-1408.09	-3562.07	-2203.01	-
2767.16-1039.40											
1	15	147	21.27	-115.96	-80.51	-14.18	60.07	179.23	-2174.18	-108.21	-
1886.74-770.60											
1	15	148	38.24	-103.26	-29.77	-35.25	70.70	883.39	-1742.74	544.62	-
1403.98-880.27											
1	15	149	23.84	-39.06	-7.65	-7.57	31.45	898.98	-1336.91	466.76	-
904.70-882.93											
1	15	150	13.73	-2.35	-2.27	13.66	1.11	-15.93	-992.38	-30.74	-
977.57-119.34											
1	15	151	257.55	5.23	5.31	257.47	4.51	4.08	-5518.52	-6.07	-
5508.38 236.49											
1	15	152	212.87	-38.02	-10.83	185.68	-77.98	-19.99	-6043.17	-357.13	-

5706.031384.55											
1	15	153	70.40	-144.16	29.07	-102.83	-84.61	-167.15	-5549.59	-744.77	-
4971.981665.93											
1	15	154	-3.47	-179.40	-5.20	-177.67	-17.35	-258.03	-5128.54	-1399.84	-
3986.732063.36											
1	15	155	-54.82	-163.32	-54.91	-163.23	3.17	-876.64	-4776.61	-2251.89	-
3401.361863.36											
1	15	156	-83.10	-144.99	-83.17	-144.92	2.15	-1413.11	-4395.85	-2541.10	-
3267.861446.42											
1	15	157	-96.11	-139.06	-96.14	-139.03	-1.05	-1593.66	-4102.37	-2212.81	-
3483.221081.63											
1	15	158	-101.39	-141.60	-101.50	-141.48	-2.14	-1349.33	-4151.46	-1693.72	-
3807.07 920.01											
1	15	159	-105.12	-142.87	-105.17	-142.81	-1.42	-1288.46	-4201.03	-1592.18	-
3897.31 890.14											
1	15	160	-108.33	-138.61	-108.35	-138.59	0.73	-1730.59	-3977.27	-2030.09	-
3677.77 763.66											
1	15	161	-108.44	-131.97	-109.56	-130.84	5.02	-2463.23	-3532.25	-2594.54	-
3400.94 350.90											
1	15	162	-102.73	-130.87	-107.04	-126.56	10.14	-2504.43	-3491.65	-2524.23	-
3471.85 -138.41											
1	15	163	-95.82	-131.09	-102.19	-124.71	13.57	-1908.55	-3866.08	-1993.34	-
3781.29-398.49											
1	15	164	-87.92	-126.66	-96.06	-118.52	15.78	-1536.49	-4069.72	-1606.34	-
3999.88-414.80											
1	15	165	-78.45	-115.88	-89.92	-104.41	17.26	-1824.09	-3859.73	-1866.43	-
3817.39-290.50											
1	15	166	-66.30	-103.07	-83.43	-85.93	18.34	-2541.64	-3357.51	-2631.54	-
3267.61-255.48											
1	15	167	-53.95	-90.80	-75.43	-69.32	18.17	-2431.95	-3423.84	-3240.17	-
2615.62-385.29											
1	15	168	-44.99	-78.44	-66.69	-56.74	15.97	-1781.72	-3340.50	-3103.77	-
2018.45-559.43											
1	15	169	-34.97	-68.64	-59.78	-43.83	14.83	-1029.87	-2435.39	-1935.47	-
1529.79-672.85											
1	15	170	-5.66	-74.83	-50.86	-29.62	32.91	486.75	-1531.70	149.57	-
1194.53 -752.92											
1	15	171	20.21	-73.39	-26.20	-26.98	46.80	706.96	-1503.10	508.02	-
1304.16 -632.53											
1	15	172	25.26	-22.39	-6.92	9.79	22.31	568.56	-1033.59	455.79	-
920.82-409.83											
1	15	173	33.69	-2.19	-2.17	33.67	0.89	-24.96	-993.73	-28.62	-
990.06-59.46											
1	15	174	218.98	0.41	15.19	204.20	54.88	906.48	-9737.08	826.13	-
9656.73 921.30											
1	15	175	241.41	-181.82	-158.41	218.00	-96.75	-2056.00	-1.228e+04	-4365.55	-
9968.804274.92											
1	15	176	23.47	-292.11	5.06	-273.69	-73.97	3411.12	-5767.47	730.93	-
3087.274173.37											
1	15	177	-88.60	-223.67	-101.19	-211.08	39.27	1991.49	-4287.60	-1352.99	-
943.123132.85											
1	15	178	-111.29	-169.53	-124.31	-156.52	24.26	820.93	-3978.64	-2488.10	-
669.612220.87											
1	15	179	-121.98	-139.61	-124.18	-137.41	5.82	-74.27	-3487.71	-2840.89	-
721.101337.73											
1	15	180	-119.82	-137.43	-120.52	-136.73	-3.44	-734.09	-2435.60	-2159.91	-
1009.78 626.97											
1	15	181	-115.15	-145.28	-115.97	-144.47	-4.88	-660.34	-1871.89	-1086.01	-
1446.22 578.38											
1	15	182	-120.43	-148.22	-120.61	-148.04	-2.23	-173.10	-2327.00	-905.99	-
1594.10 1020.51											
1	15	183	-123.10	-144.16	-123.14	-144.13	0.86	-400.31	-2767.73	-1850.09	-
1317.96 1153.42											
1	15	184	-120.55	-137.47	-121.12	-136.90	3.07	-1001.50	-3014.39	-2889.44	-
1126.46 485.70											
1	15	185	-115.66	-135.15	-118.28	-132.53	6.65	-1098.60	-2817.49	-2717.26	-
1198.83 -402.79											
1	15	186	-111.29	-134.08	-114.94	-130.44	8.35	-721.06	-2419.65	-1665.99	-
1474.71-843.89											

1	15	187	-100.95	-130.46	-107.61	-123.81	12.33	-510.34	-2047.11	-731.35	-1826.10 -539.25
1	15	188	-88.80	-118.67	-98.52	-108.95	14.00	-1006.92	-1760.64	-1031.79	-1735.77 134.63
1	15	189	-75.15	-107.88	-94.12	-88.91	16.16	-1208.96	-2455.65	-2323.36	-1341.24 383.95
1	15	190	-61.20	-97.53	-87.91	-70.82	16.03	-1044.03	-3296.53	-3294.39	-1046.18 69.44
1	15	191	-50.37	-88.54	-81.86	-57.06	14.51	-807.03	-3292.12	-3237.55	-861.60 -364.18
1	15	192	-43.12	-78.86	-74.29	-47.69	11.94	-383.36	-2438.60	-2070.07	-751.88 -788.42
1	15	193	-23.56	-75.52	-66.48	-32.59	19.69	840.22	-1757.95	36.39	-954.12 -1200.97
1	15	194	2.12	-61.52	-31.49	-27.92	31.77	1445.76	-1483.27	1314.79	-1352.30 -605.36
1	15	195	9.68	-12.57	-6.64	3.74	9.84	538.72	-906.15	525.58	-893.01 137.13
1	15	196	22.64	-1.72	-1.59	22.51	1.74	-18.51	-924.71	-18.54	-924.67 5.78
1	15	197	-15.16	-1422.84	-37.42	-1400.58	-175.62	1.649e+04	-1059.02	-1049.46	1.648e+04 -409.42
1	15	198	-35.75	-1192.30	-36.13	-1191.92	20.93	2.055e+04	3790.39	6028.42	1.831e+04 5700.11
1	15	199	-233.80	-456.50	-292.45	-397.85	98.09	9682.10	-5022.06	-2744.19	7404.23 5320.29
1	15	200	-178.23	-268.60	-260.63	-186.20	25.63	4651.20	-2709.09	-1576.69	3518.80 2655.65
1	15	201	-132.89	-189.57	-188.08	-134.38	-9.06	2885.41	-3815.18	-3089.29	2159.52 2082.54
1	15	202	-118.34	-156.51	-145.72	-129.13	-17.19	1829.86	-3828.46	-3590.90	1592.29 1134.81
1	15	203	-117.76	-151.26	-131.91	-137.12	-16.55	1723.12	-2472.30	-2466.53	1717.34 155.51
1	15	204	-124.12	-153.29	-132.04	-145.37	-12.98	1574.85	332.98	394.94	1512.89 -270.38
1	15	205	-132.09	-167.45	-138.70	-160.85	-13.78	2120.45	-865.93	441.29	813.23 1481.56
1	15	206	-138.91	-151.07	-145.68	-144.30	-6.04	2058.77	-2404.27	-1834.93	1489.43 1488.90
1	15	207	-126.11	-143.96	-126.47	-143.60	-2.52	971.08	-3627.95	-3569.66	912.80 514.45
1	15	208	-122.09	-141.84	-125.67	-138.27	7.60	988.49	-3355.06	-3278.00	911.43 -573.38
1	15	209	-124.77	-143.94	-137.98	-130.73	8.87	1840.37	-1990.28	-1467.57	1317.66 -1314.94
1	15	210	-114.68	-146.99	-126.04	-135.63	15.43	1785.67	-427.24	885.62	472.81 -1087.03
1	15	211	-101.72	-123.34	-114.42	-110.64	10.64	1676.81	-44.11	676.51	956.19 849.02
1	15	212	-83.16	-109.96	-101.06	-92.06	12.62	902.56	-2466.07	-2323.84	760.32 677.42
1	15	213	-64.53	-99.48	-90.44	-73.58	15.31	50.98	-3728.53	-3727.79	50.24 52.72
1	15	214	-48.38	-98.78	-89.71	-57.45	19.37	-211.73	-3784.73	-3725.66	-270.80 -455.62
1	15	215	-36.01	-102.88	-97.12	-41.77	18.75	189.60	-3015.05	-2698.01	-127.44 -956.80
1	15	216	-43.91	-100.17	-95.83	-48.25	15.01	2432.89	-2538.58	-311.19	205.49 -2472.28
1	15	217	9.04	-89.02	-57.31	-22.67	45.87	4084.24	-1579.03	4051.04	-1545.84 -432.28
1	15	218	-9.54	-19.90	-9.61	-19.83	-0.84	1672.67	-663.90	519.16	489.61 1168.19
1	15	219	-3.28	-42.53	-3.31	-42.50	-1.07	391.76	4.45	18.75	377.46 73.03
1	15	220	15.40	-1070.02	-13.00	-1041.61	173.27	1.381e+04	-549.36	-487.15	1.374e+04 942.89
1	15	221	177.42	-1312.76	145.55	-1280.89	-215.58	1.496e+04	196.95	2380.77	1.278e+04 -5241.56

1	15	222	-190.67	-543.31	-381.18	-352.80	-175.75	1.034e+04	-437.05	217.51
9689.57	-2574.58									
1	15	223	-101.47	-302.42	-216.94	-186.95	-99.35	5999.84	-982.53	-978.05
5995.37	176.77									
1	15	224	-74.05	-213.41	-135.58	-151.88	-69.20	2775.50	-3749.03	-3642.15
2668.62	828.19									
1	15	225	-66.80	-182.89	-100.07	-149.62	-52.49	1808.34	-4440.96	-4281.50
1648.88	985.46									
1	15	226	-77.95	-171.23	-101.41	-147.77	-40.48	2737.89	-3491.21	-3343.30
2589.98	948.40									
1	15	227	-117.36	-178.80	-151.55	-144.61	-30.52	6553.82	688.14	803.03
6438.93	812.86									
1	15	228	-125.64	-223.52	-214.54	-134.62	-28.25	9541.03	5694.17	5822.74
9412.46	691.42									
1	15	229	-128.67	-168.22	-133.23	-163.66	-12.63	3095.01	-2687.49	-2660.40
3067.91	394.89									
1	15	230	-105.98	-164.57	-106.60	-163.95	-6.00	1092.79	-4485.57	-4483.24
1090.46	114.13									
1	15	231	-109.05	-157.07	-109.13	-156.99	1.92	1262.58	-4140.45	-4136.52
1258.65	-145.66									
1	15	232	-128.66	-147.17	-131.97	-143.86	7.09	3119.13	-2110.64	-2089.37
3097.87	-332.80									
1	15	233	-101.58	-213.52	-211.04	-104.06	16.47	9199.66	6348.03	6441.45
9106.24	-507.61									
1	15	234	-101.54	-149.64	-143.14	-108.04	16.45	5824.78	1180.62	1250.64
5754.75	-565.95									
1	15	235	-71.47	-115.38	-86.03	-100.82	20.68	1477.15	-3092.48	-3007.13
1391.80	-618.66									
1	15	236	-53.07	-102.41	-67.75	-87.72	22.56	-359.64	-4370.60	-4266.41	-
463.82	-637.98									
1	15	237	-47.94	-92.68	-71.08	-69.54	22.36	-925.07	-4352.05	-4230.06	-
1047.07	-634.98									
1	15	238	-48.91	-106.52	-100.16	-55.26	18.05	-506.58	-3326.72	-3183.14	-
650.16	-619.92									
1	15	239	-26.96	-170.07	-163.48	-33.55	29.99	1261.14	-3894.73	-3840.85	
1207.26	-524.32									
1	15	240	8.35	-116.81	-94.15	-14.31	48.19	1.442e+04	1.196e+04	1.430e+04	
1.208e+04	-525.76									
1	15	241	-4.25	-45.27	-9.76	-39.76	13.99	1898.21	-1840.86	-1788.03	
1845.38	-441.30									
1	15	242	-3.12	-32.45	-3.62	-31.95	-3.81	2017.77	28.08	29.99	
2015.86	-61.65									
1	15	243	84.74	-37.26	8.33	39.15	-59.02	817.31	-7470.66	761.00	-
7414.35	-680.82									
1	15	244	236.45	-156.11	-153.98	234.32	28.80	-3723.98	-8171.63	-4128.22	-
7767.38	-1278.48									
1	15	245	-10.29	-161.00	-17.68	-153.61	32.55	1448.92	-1890.74	1220.42	-
1662.25	-843.14									
1	15	246	-56.13	-176.00	-83.31	-148.82	-50.19	923.14	-409.39	-215.26	
729.01	-470.11									
1	15	247	-49.08	-198.98	-100.46	-147.60	-71.15	1148.43	-2754.68	-2748.61	
1142.35	153.84									
1	15	248	-54.83	-197.47	-105.99	-146.31	-68.41	1443.17	-3886.93	-3662.26	
1218.50	1070.99									
1	15	249	-67.63	-197.92	-114.13	-151.42	-62.42	2320.80	-3433.77	-2749.83	
1636.86	1862.26									
1	15	250	-98.27	-195.42	-132.68	-161.01	-46.46	2930.30	-1338.78	-27.72	
1619.24	1969.29									
1	15	251	-129.79	-193.16	-145.79	-177.16	-27.53	1028.67	-62.79	-32.81	
998.69	-178.39									
1	15	252	-138.80	-188.12	-161.46	-165.46	-24.58	1862.96	-2494.92	-2386.72	
1754.75	-678.12									
1	15	253	-140.55	-168.10	-146.53	-162.12	-11.36	1228.57	-4120.25	-4104.73	
1213.04	-287.76									
1	15	254	-147.74	-154.70	-147.75	-154.69	-0.34	1199.05	-3754.90	-3741.65	
1185.79	255.86									
1	15	255	-140.10	-166.30	-160.81	-145.59	10.66	1642.65	-1951.71	-1842.92	
1533.87	615.77									
1	15	256	-133.81	-157.83	-144.80	-146.84	11.97	718.14	543.46	650.18	

611.42	85.16										
1	15	257	-101.63	-152.24	-135.54	-118.33	23.80	2823.89	-1242.29	516.66	
1064.94	-2014.52										
1	15	258	-73.23	-140.19	-119.19	-94.23	31.06	1724.30	-3304.92	-2390.83	
810.21	-1939.49										
1	15	259	-57.54	-125.04	-107.71	-74.86	29.48	503.28	-4152.05	-3727.79	
79.02	-1339.80										
1	15	260	-45.33	-116.94	-105.94	-56.33	25.82	-62.40	-3853.31	-3672.07	-
243.63	-808.83										
1	15	261	-29.71	-124.78	-115.04	-39.44	28.82	-63.80	-2616.59	-2592.02	-
88.37	-249.24										
1	15	262	-15.28	-134.41	-106.23	-43.46	50.63	1382.14	-1333.76	-177.18	
225.56	1342.93										
1	15	263	6.45	-78.97	-63.36	-9.16	33.01	4151.77	-1632.21	4088.03	-
1568.48	-603.82										
1	15	264	34.08	-45.03	-10.67	-0.28	39.21	2534.76	-1583.51	506.98	
444.27	-2058.89										
1	15	265	-2.51	-14.56	-4.02	-13.05	3.99	430.14	-74.48	19.33	
336.32	-196.32										
1	15	266	268.32	3.63	3.63	268.32	0.10	57.51	-4643.32	51.82	-
4637.63	163.51										
1	15	267	210.16	-14.50	-10.54	206.20	29.56	108.59	-5310.43	-452.96	-
4748.88	1651.58										
1	15	268	6.29	-41.15	-2.50	-32.35	18.44	314.81	-4344.67	-378.18	-
3651.68	1657.93										
1	15	269	-13.27	-129.24	-23.95	-118.56	-33.53	-654.63	-2921.66	-1151.79	-
2424.49	938.04										
1	15	270	-33.45	-168.87	-60.55	-141.77	-54.18	-1015.08	-3032.72	-2535.06	-
1512.73	869.73										
1	15	271	-55.34	-184.67	-90.23	-149.77	-57.41	-474.10	-3836.16	-3224.80	-
1085.46	1296.79										
1	15	272	-77.18	-192.52	-111.80	-157.90	-52.87	-61.49	-3809.60	-2824.95	-
1046.15	1649.56										
1	15	273	-96.35	-198.64	-125.00	-169.99	-45.93	-265.50	-2984.43	-2023.04	-
1226.89	1299.88										
1	15	274	-114.60	-201.28	-139.08	-176.81	-39.02	-785.51	-2278.05	-1804.51	-
1259.05	694.65										
1	15	275	-136.37	-199.33	-153.78	-181.92	-28.16	-743.69	-3009.03	-2970.20	-
782.52	-294.01										
1	15	276	-151.25	-180.15	-158.57	-172.83	-12.57	-518.09	-4036.53	-4015.92	-
538.70	-268.52										
1	15	277	-159.05	-165.47	-160.04	-164.49	2.31	-667.12	-3688.89	-3688.88	-
667.13	6.46										
1	15	278	-144.64	-172.04	-158.67	-158.01	13.70	-1056.46	-2398.20	-2396.43	-
1058.23	48.70										
1	15	279	-122.92	-161.76	-149.21	-135.48	18.17	-505.53	-2209.43	-1097.91	-
1617.06	-811.44										
1	15	280	-104.82	-155.96	-141.10	-119.68	23.22	-75.73	-2869.52	-1376.20	-
1569.05	-1393.56										
1	15	281	-83.40	-145.46	-134.02	-94.83	24.06	-51.86	-3662.46	-2438.62	-
1275.70	-1709.09										
1	15	282	-62.31	-134.04	-123.22	-73.13	25.67	-367.57	-3943.64	-3278.54	-
1032.67	-1391.43										
1	15	283	-44.72	-123.18	-111.69	-56.21	27.74	-546.55	-3455.26	-3130.99	-
870.82	-915.45										
1	15	284	-30.65	-111.03	-97.42	-44.26	30.14	-619.93	-2037.47	-1889.27	-
768.13	-433.73										
1	15	285	4.78	-113.19	-83.29	-25.12	51.31	273.77	-958.35	271.51	-
956.09	52.71										
1	15	286	30.77	-81.47	-41.14	-9.55	53.85	1425.55	-1429.81	1380.55	-
1384.82	-355.60										
1	15	287	65.90	-26.77	-7.43	46.56	37.66	1063.03	-1469.76	527.40	-
934.13	-1034.28										
1	15	288	71.71	-1.02	-1.02	71.71	-0.46	-1.79	-975.13	-19.45	-
957.47	-129.92										
1	15	289	273.58	-1.91	-1.90	273.58	1.23	-36.09	-3190.89	-56.53	-
3170.45	253.11										
1	15	290	205.48	-3.98	-3.08	204.57	13.76	1115.22	-3926.12	301.18	-
3112.07	1855.05										

1	15	291	32.92	-4.53	9.03	19.36	18.00	-4.57	-4883.82	-1149.11	-
3739.28	2067.49										
1	15	292	-11.07	-83.69	-11.40	-83.36	-4.89	-1051.96	-4825.63	-2014.92	-
3862.67	1645.17										
1	15	293	-42.87	-132.74	-48.95	-126.66	-22.57	-1752.15	-4746.10	-2865.65	-
3632.60	1447.02										
1	15	294	-72.11	-159.21	-86.20	-145.12	-32.07	-1902.61	-4870.34	-3360.75	-
3412.20	1483.64										
1	15	295	-95.92	-178.59	-115.37	-159.13	-35.07	-1872.71	-4843.09	-3330.42	-
3385.38	1484.94										
1	15	296	-116.30	-192.87	-135.78	-173.39	-33.35	-2039.90	-4502.48	-3121.16	-
3421.22	1222.11										
1	15	297	-136.03	-200.61	-151.22	-185.42	-27.39	-2548.84	-3985.35	-3285.62	-
3248.57	718.02										
1	15	298	-150.79	-198.83	-161.54	-188.07	-20.03	-2789.27	-3920.50	-3873.52	-
2836.26	225.71										
1	15	299	-165.10	-187.43	-169.83	-182.70	-9.12	-2469.46	-4430.03	-4417.11	-
2482.39	-158.67										
1	15	300	-170.58	-175.37	-172.95	-173.00	2.40	-2551.94	-4186.75	-4080.36	-
2658.33	-403.25										
1	15	301	-155.42	-177.80	-171.69	-161.53	9.97	-2550.00	-3794.78	-3178.42	-
3166.36	-622.36										
1	15	302	-137.10	-174.48	-167.66	-143.92	14.44	-1918.42	-4077.79	-2380.42	-
3615.79	-885.54										
1	15	303	-112.71	-165.35	-159.52	-118.54	16.51	-1619.93	-4281.15	-2264.79	-
3636.29	-1140.30										
1	15	304	-88.74	-151.70	-147.37	-93.07	15.93	-1785.63	-4190.48	-2751.19	-
3224.92	-1178.86										
1	15	305	-67.81	-134.36	-130.47	-71.70	15.61	-1881.75	-3942.78	-3174.87	-
2649.66	-996.50										
1	15	306	-50.70	-115.55	-110.85	-55.40	16.81	-1649.89	-3365.43	-2927.91	-
2087.41	-747.77										
1	15	307	-34.38	-96.15	-91.34	-39.18	16.54	-1082.78	-2195.77	-1678.60	-
1599.94	-555.10										
1	15	308	-5.00	-80.13	-69.89	-15.23	25.77	634.52	-1290.59	560.36	-
1216.44	-370.48										
1	15	309	25.06	-55.93	-34.70	3.83	35.62	744.90	-1416.84	668.38	-
1340.32	-399.46										
1	15	310	68.03	-11.62	-7.49	63.91	17.65	561.47	-1105.66	423.33	-
967.52	-459.58										
1	15	311	106.74	-1.91	-1.90	106.73	-0.65	-25.78	-1034.73	-29.58	-
1030.93	-61.80										
1	15	312	275.00	0.29	0.29	274.99	0.78	-21.68	-2880.06	-29.99	-
2871.75	153.88										
1	15	313	188.08	-14.16	-13.06	186.98	14.87	707.36	-3232.44	395.66	-
2920.74	1063.42										
1	15	314	48.92	-28.69	-2.09	22.32	36.84	-932.07	-5190.55	-1415.88	-
4706.75	1351.37										
1	15	315	-3.37	-90.46	-28.52	-65.30	39.47	-1787.41	-6312.02	-2492.40	-
5607.04	1640.97										
1	15	316	-50.84	-121.79	-63.54	-109.09	27.20	-2394.07	-6542.09	-3324.67	-
5611.49	1730.36										
1	15	317	-96.06	-135.74	-99.39	-132.41	11.00	-2845.44	-6450.19	-3846.21	-
5449.42	1614.31										
1	15	318	-132.48	-151.20	-132.66	-151.02	-1.85	-3101.84	-6291.35	-3940.24	-
5452.96	1403.98										
1	15	319	-154.83	-174.35	-159.00	-170.18	-8.00	-3199.34	-6203.27	-3867.37	-
5535.25	1249.18										
1	15	320	-171.14	-190.55	-175.91	-185.78	-8.35	-3418.97	-6014.42	-4135.85	-
5297.55	1160.47										
1	15	321	-182.01	-194.91	-184.37	-192.55	-4.98	-3837.16	-5564.71	-4812.79	-
4589.09	856.50										
1	15	322	-184.02	-193.20	-188.29	-188.92	-4.58	-3928.68	-5390.93	-5390.92	-
3928.69	-3.75										
1	15	323	-176.63	-194.62	-192.98	-178.27	-5.18	-3533.97	-5650.83	-4945.77	-
4239.03	-997.70										
1	15	324	-163.09	-198.31	-198.02	-163.38	-3.18	-2894.09	-6076.20	-3827.65	-
5142.65	-1448.84										
1	15	325	-140.01	-198.60	-198.58	-140.03	1.11	-2329.40	-6387.35	-2802.62	-

5914.13	-1302.46										
1	15	326	-111.62	-186.62	-186.60	-111.63	1.03	-2368.07	-6140.45	-2567.10	-
5941.42	-843.34										
1	15	327	-85.98	-163.14	-162.99	-86.14	-3.41	-2867.62	-5419.22	-2971.44	-
5315.40	-504.12										
1	15	328	-66.71	-134.99	-133.39	-68.31	-10.32	-3232.04	-4617.25	-3328.76	-
4520.54	-353.01										
1	15	329	-50.93	-110.59	-105.42	-56.10	-16.79	-3005.58	-3858.18	-3096.87	-
3766.89	-263.63										
1	15	330	-34.52	-96.41	-89.97	-40.97	-18.90	-1789.14	-2921.84	-1828.17	-
2882.81	-206.60										
1	15	331	7.31	-111.35	-109.70	5.65	-13.92	489.51	-1934.97	463.02	-
1908.47	-252.05										
1	15	332	1.21	-41.68	-41.68	1.20	-0.51	772.58	-1445.06	765.85	-
1438.33	-121.98										
1	15	333	56.11	-8.58	-8.38	55.91	3.57	420.39	-964.49	419.62	-
963.72	32.72										
1	15	334	99.53	-2.11	-2.10	99.52	-0.93	-32.09	-1026.83	-32.09	-
1026.83	0.36										
1	15	335	163.77	-2.40	-2.39	163.76	-1.17	-35.39	-1657.03	-38.28	-
1654.14	68.41										
1	15	336	121.96	-16.00	-3.35	109.31	39.82	359.11	-1617.15	339.36	-
1597.40	196.61										
1	15	337	52.13	-77.84	-33.54	7.83	61.60	25.60	-2549.74	-142.67	-
2381.46	636.44										
1	15	338	24.09	-151.67	-67.75	-59.82	87.79	-34.48	-3655.13	-1223.79	-
2465.81	1700.48										
1	15	339	-21.25	-171.47	-106.95	-85.77	74.36	-456.63	-4528.37	-2684.43	-
2300.57	2026.80										
1	15	340	-70.66	-177.09	-140.94	-106.81	50.41	-837.45	-4739.00	-3506.01	-
2070.43	1813.92										
1	15	341	-115.29	-185.28	-167.96	-132.61	30.20	-1038.31	-4329.07	-3560.08	-
1807.29	1392.55										
1	15	342	-151.60	-200.98	-193.40	-159.18	17.80	-929.18	-3713.96	-2948.96	-
1694.18	1243.03										
1	15	343	-179.13	-219.89	-214.31	-184.71	14.01	-499.49	-4354.46	-3300.41	-
1553.53	1718.23										
1	15	344	-179.85	-243.71	-240.28	-183.27	14.39	-199.50	-5330.46	-4728.44	-
801.51	1651.21										
1	15	345	-173.11	-254.49	-254.48	-173.12	0.78	-291.47	-6173.17	-6167.68	-
296.95	179.46										
1	15	346	-161.57	-256.46	-253.07	-164.96	-17.63	21.38	-5954.93	-5432.40	-
501.15	-1688.12										
1	15	347	-153.36	-246.31	-239.72	-159.95	-23.86	492.18	-4892.31	-3164.13	-
1235.99	-2513.71										
1	15	348	-140.90	-221.26	-218.10	-144.06	-15.64	302.90	-3592.69	-1169.05	-
2120.75	-1888.78										
1	15	349	-101.61	-205.16	-202.10	-104.67	-17.54	-646.77	-2311.79	-826.16	-
2132.40	-516.25										
1	15	350	-68.01	-186.22	-180.87	-73.35	-24.55	-1826.15	-2043.42	-2012.30	-
1857.27	76.11										
1	15	351	-39.10	-171.07	-160.29	-49.88	-36.14	-1654.50	-2732.64	-2722.88	-
1664.26	102.11										
1	15	352	-16.68	-159.50	-139.14	-37.04	-49.93	-1447.90	-2595.79	-2589.87	-
1453.82	82.21										
1	15	353	-6.25	-145.72	-118.26	-33.72	-55.46	-1198.13	-1539.28	-1536.22	-
1201.19	32.14										
1	15	354	3.03	-127.57	-91.92	-32.62	-58.18	522.40	-1160.91	475.15	-
1113.66	-278.05										
1	15	355	-0.75	-74.09	-53.81	-21.04	-32.80	1332.90	-1413.62	1324.95	-
1405.67	147.52										
1	15	356	27.30	-17.71	-6.79	16.38	-19.29	674.90	-1096.03	444.20	-
865.33	596.10										
1	15	357	52.94	-1.84	-1.72	52.82	2.62	-15.61	-902.69	-21.01	-
897.29	68.99										
1	15	358	-0.11	-8.48	-3.78	-4.81	4.15	398.55	16.47	16.66	
398.36	8.34										
1	15	359	40.51	-41.53	-22.16	21.15	34.84	840.61	-413.04	124.58	
302.99	-620.45										

1	15	360	34.56	-207.30	-124.66	-48.07	114.71	3274.20	-1883.99	351.29
1038.92	2556.08									
1	15	361	4.70	-227.05	-162.92	-59.44	103.68	2059.45	-3458.29	-2205.97
807.13	2311.20									
1	15	362	-41.87	-218.96	-184.98	-75.85	69.73	1904.13	-4253.85	-3268.04
918.32	2258.04									
1	15	363	-94.95	-225.71	-208.74	-111.92	43.95	2547.97	-4159.70	-3612.86
2001.13	1835.48									
1	15	364	-137.27	-235.97	-222.30	-150.94	34.10	3181.82	-1916.57	-1784.88
3050.13	808.73									
1	15	365	-166.46	-315.33	-308.30	-173.49	31.58	4742.20	-5770.93	-4913.37
3884.64	2877.53									
1	15	366	-146.33	-335.91	-335.46	-146.78	9.29	3090.40	-7705.27	-7703.42
3088.56	140.99									
1	15	367	-137.74	-335.56	-329.30	-144.00	-34.64	3532.75	-7122.55	-6703.57
3113.77	-2070.94									
1	15	368	-140.20	-307.03	-293.38	-153.85	-45.72	5707.49	-4694.32	-2593.50
3606.67	-4175.99									
1	15	369	-93.37	-212.50	-203.64	-102.22	-31.25	2554.96	1433.32	1471.68
2516.60	203.85									
1	15	370	-49.85	-202.68	-193.37	-59.16	-36.55	1744.35	-1388.98	-1386.92
1742.29	80.33									
1	15	371	-15.94	-190.53	-175.17	-31.29	-49.44	771.63	-2298.14	-2297.53
771.02	-43.24									
1	15	372	2.35	-181.47	-158.48	-20.64	-60.81	315.39	-2261.87	-2261.87
315.39	-1.28									
1	15	373	3.15	-180.31	-146.31	-30.84	-71.28	296.88	-1564.05	-1557.84
290.68	-107.25									
1	15	374	0.93	-175.24	-121.47	-52.84	-81.13	1400.34	-1106.76	33.37
260.21	-1248.41									
1	15	375	-6.20	-49.66	-24.08	-31.78	-21.39	2094.13	-1254.70	479.15
360.27	1673.36									
1	15	376	-3.37	-77.97	-3.58	-77.76	-3.92	425.12	-34.11	10.43
380.59	135.89									
1	15	377	-1.42	-99.90	-71.15	-30.17	44.78	2787.90	-560.18	2607.86	-
380.14	755.22									
1	15	378	-160.33	-274.17	-269.27	-165.22	23.08	3144.69	-1744.11	-687.46
2088.04	2012.28									
1	15	379	-124.42	-247.20	-243.28	-128.35	-21.59	4400.80	123.93	3020.55
1504.17	-1999.51									
1	15	380	-41.76	-86.69	-67.25	-61.20	-22.26	3824.81	-1139.38	3824.57	-
1139.14	34.25									
1	15	381	0.48	-37.95	-2.77	-34.70	10.69	3035.52	66.89	76.39
3026.02	167.65									
1	15	382	-5.24	-47.61	-11.64	-41.20	15.18	3274.65	-2375.88	-2060.63
2959.40	1296.91									
1	15	383	16.51	-120.59	-84.40	-19.68	60.43	1.282e+04	9806.56	1.091e+04
1.172e+04	1450.77									
1	15	384	18.28	-187.91	-150.28	-19.35	79.64	5000.20	-851.55	-536.70
4685.35	1320.34									
1	15	385	32.00	-239.79	-183.10	-24.70	110.43	3310.20	-2136.83	-1468.96
2642.33	1786.58									
1	15	386	7.14	-257.72	-214.34	-36.24	98.02	3744.70	-3694.82	-2142.12
2192.00	3023.32									
1	15	387	-58.56	-285.72	-266.04	-78.24	63.90	5776.25	-5705.28	-3681.84
3752.81	4374.68									
1	15	388	-87.98	-319.78	-300.79	-106.97	63.56	9831.67	-5653.15	-4516.26
8694.78	4038.80									
1	15	389	-104.83	-379.47	-367.32	-116.98	56.47	1.873e+04	7983.08	8500.91
1.821e+04	2300.96									
1	15	390	-109.67	-418.32	-416.42	-111.57	24.09	6303.69	-9064.06	-9038.89
6278.53	621.40									
1	15	391	-97.55	-442.98	-442.97	-97.55	1.64	3721.74	-9754.38	-9740.97
3708.34	-424.78									
1	15	392	-88.80	-430.19	-423.60	-95.39	-46.97	4373.98	-8954.19	-8782.82
4202.62	-1501.53									
1	15	393	-79.09	-391.73	-382.59	-88.22	-52.66	7280.81	-6481.31	-5951.84
6751.34	-2646.95									
1	15	394	-68.25	-320.49	-299.27	-89.48	-70.02	1.962e+04	1.283e+04	1.449e+04

1.796e+04-2918.88
1 15 395 -53.32 -229.87 -209.70 -73.50 -56.17 8887.77 147.48 969.53
8065.72-2551.32
1 15 396 -19.11 -214.28 -196.27 -37.11 -56.48 4415.13 -1415.03 -853.09
3853.20-1720.58
1 15 397 13.71 -190.11 -164.22 -12.18 -67.88 2301.09 -1888.72 -1625.91
2038.29-1015.89
1 15 398 19.96 -173.91 -145.96 -7.99 -68.10 1299.40 -1755.96 -1705.69
1249.13 -388.67
1 15 399 2.02 -164.74 -140.07 -22.65 -59.21 1210.40 -1472.48 -1471.17
1209.08 59.40
1 15 400 -42.82 -137.93 -125.25 -55.49 -32.32 2509.18 -2784.15 -2767.72
2492.76 294.40
1 15 401 -26.58 -88.90 -77.20 -38.28 -24.34 1.329e+04 1.221e+04 1.328e+04
1.221e+04 96.32
1 15 402 -8.49 -59.76 -8.72 -59.52 -3.47 2391.84 -2076.17 -2073.20
2388.87 -115.08
1 15 403 -0.16 -53.27 -3.02 -50.41 -12.00 2488.18 56.65 56.69
2488.14 -10.14
1 15 404 -6.47 -33.45 -6.48 -33.44 -0.61 1381.75 -188.43 -161.30
1354.62 204.59
1 15 405 14.45 -36.76 -0.11 -22.20 -23.10 3353.92 -533.14 1201.52
1619.27 1932.27
1 15 406 -2.13 -78.89 -72.87 -8.15 20.63 2367.10 -2327.59 1729.02 -
1689.51 1608.87
1 15 407 3.22 -127.68 -102.34 -22.12 51.72 1028.07 195.04 916.35
306.76 283.88
1 15 408 27.08 -149.84 -100.35 -22.42 79.42 2285.93 -1100.90 5.76
1179.27 1588.51
1 15 409 -7.31 -238.67 -223.47 -22.52 57.33 5142.44 -1824.28 932.60
2385.563406.76
1 15 410 -4.93 -347.22 -344.70 -7.45 29.29 5418.70 -5829.30 -1909.73
1499.135359.50
1 15 411 -13.88 -411.53 -409.86 -15.54 25.69 2396.81 -1.039e+04 -6092.15 -
1896.856037.28
1 15 412 -27.46 -541.89 -539.57 -29.78 34.42 -3758.61 -8447.40 -7633.81 -
4572.201775.62
1 15 413 -22.33 -574.76 -574.06 -23.03 19.67 -573.88 -9118.22 -9022.61 -
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1 15 414 -8.84 -554.64 -554.51 -8.97 8.36 -337.55 -1.089e+04 -1.082e+04 -
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1 15 415 -1.30 -526.12 -522.41 -5.01 -43.98 -790.29 -1.057e+04 -1.045e+04 -
915.56-1099.85
1 15 416 -18.73 -464.61 -461.50 -21.83 -37.05 -675.76 -6410.59 -6196.23 -
890.12-1087.83
1 15 417 -19.27 -429.25 -425.42 -23.10 -39.46 3061.57 -3381.68 1630.85 -
1950.96-2677.97
1 15 418 -16.80 -292.84 -291.72 -17.92 -17.54 7558.92 -2169.30 4004.09
1385.54-4684.59
1 15 419 -19.49 -137.00 -130.47 -26.01 -26.91 3742.57 -2155.46 426.59
1160.52-2926.10
1 15 420 0.27 -100.12 -83.09 -16.76 -37.68 1967.50 -1581.08 -522.64
909.05-1623.48
1 15 421 5.19 -92.23 -73.83 -13.21 -38.13 1024.34 -982.61 -724.58
766.32 -671.76
1 15 422 7.80 -105.24 -84.06 -13.38 -44.11 638.98 -695.14 -677.96
621.80 150.41
1 15 423 -7.59 -113.95 -107.94 -13.60 -24.55 2080.92 -1249.68 510.37
320.88 1662.60
1 15 424 -4.62 -84.31 -83.91 -5.01 -5.58 2334.99 -2217.00 2334.58 -
2216.60 42.71
1 15 425 8.55 -34.20 -5.35 -20.30 20.03 2013.25 -716.90 674.23
622.12-1364.83
1 15 426 -5.44 -15.18 -5.68 -14.94 1.53 641.67 -60.85 -42.87
623.69 -110.95
1 15 427 9.26 5.09 5.23 9.11 0.77 40.63 -164.03 -14.11 -
109.29-90.59
1 15 428 -3.99 -26.24 -26.23 -4.01 -0.61 667.40 -211.58 644.29 -
188.46140.65

1	15	429	-3.79	-94.46	-94.01	-4.24	6.37	1719.18	-20.42	1684.75	14.01 242.31
1	15	430	-5.13	-166.36	-166.10	-5.39	6.52	899.78	-47.45	816.54	35.79 268.18
1	15	431	3.13	-137.56	-137.45	3.02	-3.97	557.27	-340.73	275.64	-59.10416.64
1	15	432	-3.79	-179.47	-179.43	-3.84	2.84	1150.41	-771.60	760.94	-382.13772.58
1	15	433	0.74	-327.64	-326.80	-0.10	16.59	220.52	-2299.80	-1839.74	-239.54973.58
1	15	434	-5.40	-521.38	-520.76	-6.02	-17.88	560.15	-6262.28	-6143.50	441.37 892.33
1	15	435	-5.11	-511.43	-511.41	-5.13	3.24	287.09	-7707.24	-7667.77	247.61 560.41
1	15	436	-10.01	-632.56	-632.38	-10.19	10.58	113.47	-9052.76	-9052.29	112.99 65.96
1	15	437	-0.62	-551.11	-551.10	-0.63	-2.49	66.08	-1.069e+04	-1.068e+04	62.97 -183.00
1	15	438	-2.13	-526.81	-526.77	-2.17	4.57	178.59	-1.023e+04	-1.022e+04	168.26 -327.68
1	15	439	-6.69	-557.59	-557.39	-6.90	-10.59	330.69	-5885.48	-5856.01	301.22 -426.97
1	15	440	-3.14	-380.54	-380.42	-3.26	-6.72	1540.63	-372.50	1323.29	-155.15-607.10
1	15	441	-9.47	-308.20	-308.05	-9.63	6.72	3436.17	-354.68	3292.40	-210.91-724.10
1	15	442	4.74	-155.34	-155.32	4.72	1.47	1072.78	-340.38	775.30	-42.89-576.10
1	15	443	-0.35	-77.21	-77.21	-0.36	-0.82	122.78	-608.21	-420.98	-64.45-319.08
1	15	444	-1.84	-61.72	-61.61	-1.95	-2.58	-34.67	-702.30	-667.65	-69.32-148.10
1	15	445	-1.91	-85.32	-85.29	-1.94	-1.63	-47.68	-560.55	-560.45	-47.797.32
1	15	446	-6.81	-152.97	-152.90	-6.88	-3.06	680.03	-14.55	651.85	13.63 137.03
1	15	447	-2.54	-82.27	-80.68	-4.13	-11.14	2003.59	2.93	2003.04	3.49 33.23
1	15	448	-4.72	-14.79	-14.78	-4.73	0.38	572.50	-3.31	568.65	0.54 -46.93
1	15	449	9.61	3.64	4.49	8.76	-2.09	-5.04	-110.71	-47.11	-68.6451.73
1	16	13	10.00	2.05	3.21	8.84	-2.80	-16.58	-74.32	-27.44	-63.4622.56
1	16	14	-5.57	-7.07	-6.45	-6.18	0.74	261.92	43.86	254.83	50.94 38.67
1	16	15	-1.25	-59.80	-57.28	-3.77	-11.89	1017.51	42.12	999.82	59.81 130.17
1	16	16	-6.16	-106.08	-105.91	-6.33	-4.11	575.74	-103.03	428.67	44.04 279.64
1	16	17	-2.02	-29.58	-29.54	-2.06	-1.08	84.03	-670.56	-546.84	-39.68279.37
1	16	18	3.12	-2.64	2.10	-1.61	-2.20	-29.96	-832.59	-802.59	-59.96152.23
1	16	19	-0.74	-12.01	-11.95	-0.81	-0.85	-42.54	-513.91	-513.31	-43.1416.85
1	16	20	-4.63	-62.08	-61.72	-4.99	4.52	542.48	52.21	540.82	53.87 28.50
1	16	21	-4.06	-72.36	-71.66	-4.76	-6.88	1087.06	13.60	1072.52	28.14 124.08
1	16	22	-4.00	-66.91	-66.80	-4.10	-2.55	279.71	-164.95	112.81	1.94 215.31
1	16	23	-1.28	-9.06	-9.03	-1.31	0.47	-43.80	-842.50	-827.43	-58.87108.69
1	16	24	-1.42	-15.49	-15.48	-1.43	0.31	-47.17	-802.46	-796.28	-53.35-68.02
1	16	25	-4.34	-70.16	-69.95	-4.56	3.77	163.25	-122.00	36.06	5.19 -141.78
1	16	26	-4.45	-71.30	-71.11	-4.64	3.54	949.61	32.73	947.84	

34.51	-40.34										
1	16	27	-5.05	-63.74	-63.52	-5.27	-3.59	348.51	42.61	332.10	
59.03	68.93										
1	16	28	-2.80e-02	-1.90	-0.56	-1.36	0.85	-24.38	-815.03	-804.18	-
35.23	91.98										
1	16	29	36.61	-2.07	36.57	-2.03	1.24	-53.62	-1204.27	-1203.60	-
54.28	-27.66										
1	16	30	49.36	-2.58	49.26	-2.48	2.27	-36.81	-1339.98	-1325.68	-
51.11	-135.75										
1	16	31	43.28	-2.93	43.28	-2.93	-0.22	-4.43	-1484.64	-1454.97	-
34.10	-207.46										
1	16	32	-2.09	-11.17	-10.78	-2.48	1.84	168.58	-906.44	-832.55	
94.69	-271.98										
1	16	33	8.53	-23.98	-12.06	-3.40	15.67	823.82	-2.25	809.49	
12.09	-107.89										
1	16	34	2.15e-03	-10.11	-1.83e-02	-10.09	0.45	340.86	20.95	337.98	
23.83	-30.21										
1	16	35	11.04	0.35	1.12	10.28	2.75	-8.83	-80.69	-28.00	-
61.51	-31.79										
1	16	36	-3.00	-8.54	-4.16	-7.37	2.26	301.01	15.97	26.55	
290.43	-53.90										
1	16	37	5.29	-31.04	-12.46	-13.29	18.16	910.71	-622.97	235.93	
51.81	-761.30										
1	16	38	-5.14	-61.59	-61.33	-5.40	-3.82	1257.25	-2172.49	1161.77	-
2077.01	564.21										
1	16	39	-7.29	-80.68	-75.46	-12.51	-18.86	2674.86	-1950.50	592.48	
131.88	2301.18										
1	16	40	5.87	-63.23	-48.59	-8.77	-28.24	1707.93	-1687.91	-665.64	
685.66	1557.70										
1	16	41	-11.36	-30.84	-28.50	-13.70	-6.34	1079.53	-1145.91	-868.60	
802.23	735.00										
1	16	42	-0.87	-40.58	-30.49	-10.96	17.29	754.86	-698.68	-682.77	
738.95	-151.24										
1	16	43	3.94	-67.61	-58.18	-5.49	24.21	1509.19	-574.62	880.51	
54.06	-956.46										
1	16	44	-11.05	-84.58	-82.20	-13.44	-13.01	1428.97	-2113.96	1122.80	-
1807.79	995.49										
1	16	45	-9.72	-68.85	-65.28	-13.30	-14.09	2180.64	-1498.03	113.02	
569.60	1825.11										
1	16	46	-11.74	-41.70	-41.31	-12.12	-3.38	1092.27	-1118.70	-917.90	
891.46	635.33										
1	16	47	2.68	-56.12	-42.77	-10.67	24.63	977.88	-1031.66	-903.93	
850.15	-490.26										
1	16	48	-2.90	-73.24	-61.88	-14.25	25.88	1798.15	-1233.77	45.70	
518.68	-1497.40										
1	16	49	-5.80	-82.91	-77.18	-11.54	20.24	1116.90	-2003.77	1012.48	-
1899.35	-561.21										
1	16	50	1.55	-54.24	-48.59	-4.10	-16.83	1823.47	-1141.02	663.57	
18.88	1446.76										
1	16	51	5.05	-24.70	-10.43	-9.22	-14.86	940.42	-1217.24	-957.42	
680.60	702.21										
1	16	52	12.23	-10.32	11.98	-10.07	-2.37	759.63	-1227.33	-1225.73	
758.03	-56.38										
1	16	53	19.99	-8.75	19.99	-8.75	0.31	920.34	-1515.30	-1315.41	
720.45	-668.50										
1	16	54	15.02	-8.72	11.51	-5.20	8.43	1106.98	-1963.24	-1443.73	
587.47	-1151.14										
1	16	55	3.89	-32.23	-8.85	-19.50	17.26	1618.62	-2648.30	-1067.07	
37.38	-2060.75										
1	16	56	1.16	-38.00	-32.09	-4.75	14.02	1243.37	-2109.45	1126.72	-
1992.80	-614.40										
1	16	57	6.53	-27.74	-20.55	-0.66	-13.95	1114.33	-523.23	406.63	
184.47	811.21										
1	16	58	-1.79	-7.70	-2.24	-7.25	-1.58	329.21	-5.79	15.90	
307.52	82.45										
1	16	59	-1.73	-72.78	-3.66	-70.86	-11.55	2385.32	63.57	70.56	
2378.34	127.18										
1	16	60	-1.19	-74.33	-1.27	-74.24	-2.56	2540.12	-2001.88	-1838.45	
2376.70	845.91										

1	16	61	-28.60	-71.64	-53.67	-46.56	-21.23	1.178e+04	9373.66	1.031e+04
1.084e+041172.85										
1	16	62	-34.65	-101.73	-91.34	-45.04	-24.27	4753.16	-751.99	-344.70
4345.871440.94										
1	16	63	-21.97	-104.81	-79.84	-46.94	-38.01	2877.19	-1717.95	-1307.93
2467.171309.96										
1	16	64	-31.39	-78.46	-66.55	-43.30	-20.47	2381.10	-1841.89	-1628.50
2167.70 925.01										
1	16	65	-50.85	-56.53	-56.30	-51.08	1.12	3151.87	-1388.47	-1322.92
3086.32 541.57										
1	16	66	-46.27	-66.05	-46.83	-65.49	3.29	6167.95	143.29	172.04
6139.21 415.14										
1	16	67	-68.57	-72.39	-71.34	-69.62	1.71	1.305e+04	1.029e+04	1.050e+04
1.284e+04732.60										
1	16	68	-54.20	-88.20	-87.96	-54.44	2.83	4672.88	-1399.99	-1309.65
4582.53 735.19										
1	16	69	-45.28	-88.69	-87.92	-46.06	5.75	2752.37	-1800.02	-1765.18
2717.53 396.72										
1	16	70	-34.41	-97.23	-85.04	-46.60	24.84	2926.26	-1684.09	-1681.15
2923.32 -116.33										
1	16	71	-40.34	-91.30	-81.63	-50.01	19.99	4743.15	-1340.45	-1318.49
4721.19 -364.89										
1	16	72	-45.51	-81.16	-63.43	-63.25	17.83	1.307e+04	1.056e+04	1.060e+04
1.302e+04-321.78										
1	16	73	-35.20	-56.74	-37.60	-54.34	6.78	6030.42	-39.09	-39.07
6030.40 10.13										
1	16	74	-34.57	-41.37	-40.98	-34.95	-1.58	2808.96	-1537.75	-1535.73
2806.94 -93.72										
1	16	75	-18.24	-44.52	-43.49	-19.27	5.11	1565.18	-1989.40	-1929.88
1505.66-456.08										
1	16	76	-9.88	-52.14	-50.08	-11.94	9.11	1215.21	-2181.25	-1954.04
988.00 -848.58										
1	16	77	-21.21	-63.98	-62.82	-22.37	6.95	1371.79	-2281.64	-1898.17
988.31 -1119.80										
1	16	78	-55.60	-75.78	-71.75	-59.62	8.07	2227.58	-3633.56	-3387.54
1981.57-1175.33										
1	16	79	-14.59	-81.68	-46.56	-49.72	33.51	1.093e+04	9249.92	1.023e+04
9949.53-827.50										
1	16	80	1.91	-88.19	1.07	-87.35	8.65	2061.16	-1641.56	-1564.51
1984.11 -528.56										
1	16	81	-3.27	-93.02	-4.24	-92.06	9.24	2013.68	37.90	42.12
2009.46 -91.18										
1	16	82	-17.02	-103.81	-44.21	-76.62	-40.25	3657.22	-1118.74	2745.26	-
206.781877.18										
1	16	83	-73.29	-125.86	-74.31	-124.84	-7.26	3035.48	706.44	2655.54
1086.37 860.54										
1	16	84	-61.28	-114.62	-67.72	-108.18	17.38	2751.48	910.24	2610.83
1050.89-489.08										
1	16	85	-13.53	-121.11	-47.74	-86.90	50.10	2810.10	-1056.67	2625.70	-
872.27-824.04										
1	16	86	-4.27	-114.34	-4.48	-114.13	-4.88	582.72	-154.98	12.79
414.96 309.22										
1	16	87	1.11	-74.89	-23.26	-50.52	-35.47	3128.15	-2524.87	248.86
354.42 2826.01										
1	16	88	15.15	-176.36	-72.96	-88.25	-95.45	1370.39	652.31	814.73
1207.97 300.42										
1	16	89	-9.85	-152.48	-76.16	-86.18	-71.14	1271.12	-1578.44	-1335.16
1027.84 796.27										
1	16	90	-39.60	-114.69	-71.74	-82.54	-37.15	1420.95	-2254.26	-1815.23
981.92 1191.96										
1	16	91	-66.01	-101.20	-67.92	-99.29	-7.97	2267.61	-2027.55	-1239.42
1479.481662.53										
1	16	92	-58.47	-122.36	-58.47	-122.36	-0.15	3627.96	-651.40	1097.39
1879.17 2103.67										
1	16	93	-80.21	-126.09	-98.96	-107.33	-22.55	2493.08	-181.62	167.00
2144.47-900.50										
1	16	94	-82.32	-105.69	-105.61	-82.40	-1.35	1539.93	-1823.62	-1823.45
1539.76 -24.03										
1	16	95	-63.81	-123.70	-102.84	-84.67	28.54	1681.98	-1780.57	-1707.09
1608.50 499.03										

1	16	96	-56.51	-136.36	-92.03	-100.84	39.68	2807.69	-462.36	182.04	
2163.29	1300.76										
1	16	97	-52.88	-99.40	-53.72	-98.56	6.19	3257.37	-485.18	932.13	
1840.06	-1815.37										
1	16	98	-58.94	-68.90	-62.76	-65.08	4.85	1910.67	-2120.63	-1516.86	
1306.90	-1438.56										
1	16	99	-29.49	-77.36	-69.04	-37.81	18.14	990.61	-2675.86	-2263.57	
578.31	-1158.31										
1	16	100	-14.58	-90.24	-76.47	-28.36	29.20	644.64	-2682.42	-2278.05	
240.28	-1087.13										
1	16	101	-13.70	-113.67	-87.20	-40.17	44.10	587.59	-2198.82	-1852.13	
240.89	-919.70										
1	16	102	6.21	-160.86	-86.23	-68.41	83.06	208.94	-863.84	-852.65	
197.75	108.99										
1	16	103	-10.17	-108.06	-27.56	-90.67	37.41	2485.02	-1585.16	469.08	
430.78	-2035.00										
1	16	104	-4.38	-166.89	-4.56	-166.71	5.50	516.99	-75.85	8.74	
432.40	-207.35										
1	16	105	56.67	-1.98	-1.87	56.55	2.59	6.78	-1599.62	-37.99	-
1554.85	264.40										
1	16	106	65.94	-45.79	-4.28	24.42	-53.99	1720.50	-2891.24	336.25	-
1506.99	2113.68										
1	16	107	49.10	-126.95	-15.97	-61.88	-84.98	1435.53	-3260.86	238.78	-
2064.11	2046.51										
1	16	108	30.76	-172.70	-26.95	-114.99	-91.71	190.77	-2570.55	-422.60	-
1957.19	1147.81										
1	16	109	-8.46	-158.18	-47.92	-118.72	-65.96	-552.78	-2575.24	-1458.85	-
1669.16	1005.75										
1	16	110	-43.61	-135.47	-64.34	-114.75	-38.40	-345.58	-2980.51	-1817.79	-
1508.31	1308.35										
1	16	111	-66.74	-124.50	-73.37	-117.87	-18.41	176.71	-3043.62	-1356.69	-
1510.22	1608.34										
1	16	112	-75.76	-131.11	-76.78	-130.08	-7.46	592.39	-2604.16	-300.00	-
1711.77	1433.95										
1	16	113	-87.47	-140.52	-91.13	-136.87	-13.43	126.07	-2010.51	-18.63	-
1865.82	536.86										
1	16	114	-93.23	-129.16	-99.67	-122.72	-13.78	-727.96	-1511.45	-751.71	-
1487.71	-134.31										
1	16	115	-103.88	-106.78	-106.09	-104.56	1.23	-1180.83	-1794.21	-1794.04	-
1180.99	-10.17										
1	16	116	-83.19	-123.67	-103.83	-103.03	20.23	-949.46	-1986.50	-1716.55	-
1219.40	455.05										
1	16	117	-73.95	-134.71	-94.99	-113.67	28.91	-524.68	-1782.08	-780.77	-
1525.99	506.39										
1	16	118	-74.45	-129.88	-86.98	-117.34	23.19	-93.15	-1912.31	-111.02	-
1894.45	-179.40										
1	16	119	-67.78	-105.06	-74.20	-98.65	14.07	153.06	-2366.53	-522.68	-
1690.79	-1116.22										
1	16	120	-56.23	-91.09	-73.86	-73.46	17.43	-177.14	-2962.58	-1744.42	-
1395.30	-1381.74										
1	16	121	-35.86	-92.13	-73.14	-54.85	26.61	-435.13	-3222.66	-2428.26	-
1229.54	-1258.31										
1	16	122	-17.13	-101.26	-72.59	-45.79	39.87	-426.65	-3072.92	-2416.59	-
1082.99	-1142.83										
1	16	123	-10.73	-109.57	-70.77	-49.54	48.27	-239.79	-2409.36	-1724.27	-
924.89	-1008.46										
1	16	124	19.91	-141.64	-61.22	-60.51	80.77	96.01	-1332.94	-350.12	-
886.81	-662.17										
1	16	125	32.17	-136.72	-42.57	-61.97	83.89	1127.49	-1455.08	729.72	-
1057.31	-932.23										
1	16	126	23.72	-84.90	-5.79	-55.39	48.31	1186.36	-1367.19	398.96	-
579.79	-1179.27										
1	16	127	-1.39	-42.84	-1.58	-42.64	-2.86	21.77	-654.18	-15.80	-
616.61	-154.86										
1	16	128	176.07	0.41	0.42	176.06	-1.20	-29.14	-3249.00	-39.67	-
3238.47	183.84										
1	16	129	134.97	-28.08	-7.09	113.98	-54.61	768.66	-3802.81	254.76	-
3288.91	1444.01										
1	16	130	72.63	-121.42	14.02	-62.81	-89.09	-315.45	-5080.75	-915.94	-
4480.26	1581.43										

1	16	131	22.21	-164.10	-3.72	-138.17	-64.49	-896.25	-5268.80	-1420.99	-4744.06
1	16	132	-21.53	-160.75	-33.21	-149.07	-38.59	-1309.74	-4961.31	-1906.35	-4364.71
1	16	133	-54.17	-145.65	-59.42	-140.41	-21.26	-1426.37	-4803.42	-2104.76	-4125.03
1	16	134	-77.39	-137.11	-79.32	-135.18	-10.57	-1284.64	-4857.03	-1874.44	-4267.23
1	16	135	-92.05	-137.42	-92.82	-136.65	-5.86	-1112.35	-4958.44	-1468.44	-4602.35
1	16	136	-99.98	-138.24	-100.87	-137.35	-5.76	-1217.90	-4844.55	-1358.64	-4703.82
1	16	137	-103.23	-132.90	-104.12	-132.01	-5.08	-1635.41	-4413.85	-1673.25	-4376.02
1	16	138	-102.95	-123.66	-103.57	-123.04	3.53	-2104.63	-3971.76	-2120.40	-3955.99
1	16	139	-93.56	-128.06	-102.08	-119.54	14.88	-2086.82	-4073.06	-2102.27	-4057.61
1	16	140	-88.11	-132.18	-101.06	-119.24	20.07	-1718.90	-4490.37	-1719.92	-4489.36
1	16	141	-85.58	-126.89	-98.35	-114.11	19.09	-1433.17	-4809.71	-1457.95	-4784.93
1	16	142	-77.40	-113.87	-90.29	-100.98	17.43	-1567.16	-4728.17	-1714.45	-4580.88
1	16	143	-61.79	-101.60	-78.79	-84.61	19.69	-1954.92	-4345.69	-2315.32	-3985.30
1	16	144	-43.14	-94.46	-65.59	-72.01	25.46	-2116.72	-3982.88	-2760.04	-3339.56
1	16	145	-27.40	-91.44	-54.11	-64.72	31.58	-1839.25	-3608.45	-2687.07	-2760.63
1	16	146	-21.59	-88.05	-52.03	-57.61	33.11	-1074.06	-2836.18	-1802.81	-2107.44
1	16	147	10.47	-116.49	-76.55	-29.46	58.95	39.90	-1755.35	-251.68	-1463.77
1	16	148	30.78	-105.24	-30.70	-43.76	67.70	657.31	-1411.83	326.05	-1080.58
1	16	149	18.74	-42.69	-7.80	-16.16	30.43	745.18	-1081.46	349.13	-685.41
1	16	150	6.38	-2.45	-2.32	6.24	1.09	-8.94	-754.03	-23.22	-739.74
1	16	151	244.89	5.32	5.40	244.80	4.54	15.47	-5171.60	5.28	-5161.41
1	16	152	202.59	-40.74	-11.12	172.96	-79.56	-104.30	-5720.95	-450.39	-5374.86
1	16	153	68.88	-152.69	26.03	-109.84	-87.51	-21.15	-5037.20	-615.68	-4442.67
1	16	154	-7.31	-184.33	-9.68	-181.95	-20.35	71.20	-4467.73	-1078.00	-3318.53
1	16	155	-59.86	-166.52	-59.87	-166.51	0.97	-391.23	-4040.23	-1770.38	-2661.08
1	16	156	-88.25	-147.48	-88.26	-147.47	0.85	-832.60	-3638.54	-2011.31	-2459.83
1	16	157	-101.19	-140.57	-101.26	-140.50	-1.65	-1049.26	-3292.41	-1767.30	-2574.36
1	16	158	-106.49	-142.02	-106.67	-141.84	-2.52	-956.09	-3211.06	-1370.31	-2796.83
1	16	159	-110.29	-142.93	-110.41	-142.82	-1.93	-948.23	-3197.37	-1293.09	-2852.51
1	16	160	-113.72	-139.11	-113.72	-139.11	0.11	-1299.21	-3010.35	-1632.97	-2676.59
1	16	161	-113.92	-133.42	-115.14	-132.21	4.72	-1890.78	-2643.66	-2070.38	-2464.06
1	16	162	-107.53	-133.38	-112.77	-128.13	10.40	-1998.47	-2545.50	-2014.09	-2529.88
1	16	163	-100.29	-133.73	-108.01	-126.00	14.09	-1522.50	-2862.79	-1600.95	-2784.35
1	16	164	-92.37	-129.53	-102.06	-119.84	16.31	-1232.91	-3039.47	-1300.83	-2971.56
1	16	165	-82.96	-119.98	-96.19	-106.76	17.74	-1454.95	-2898.89	-1503.59	-2850.26

1	16	166	-70.89	-109.13	-89.99	-90.03	19.12	-1972.13	-2573.29	-2098.80	-2446.61	-245.16
1	16	167	-58.63	-98.68	-82.07	-75.24	19.73	-1801.97	-2739.52	-2576.51	-1964.98	-355.33
1	16	168	-49.53	-87.41	-72.61	-64.33	18.48	-1313.82	-2697.87	-2486.56	-1525.13	-497.81
1	16	169	-40.43	-76.59	-63.68	-53.33	17.33	-754.65	-2025.62	-1614.14	-1166.14	-594.70
1	16	170	-13.07	-80.37	-52.11	-41.33	33.22	308.76	-1281.32	-51.47	-921.08	-665.61
1	16	171	13.44	-76.79	-27.47	-35.89	44.92	506.46	-1221.40	288.52	-1003.46	-573.65
1	16	172	17.89	-24.98	-7.13	3.88e-02	21.13	470.03	-834.22	336.81	-701.00	-394.98
1	16	173	25.00	-2.23	-2.20	24.97	0.89	-17.06	-756.22	-21.46	-751.82	-56.84
1	16	174	211.35	-0.17	15.20	195.98	54.91	910.95	-9513.84	827.94	-9430.82	926.56
1	16	175	233.07	-182.35	-158.48	209.20	-96.68	-1981.19	-1.218e+04	-4418.96	-9744.39	4350.27
1	16	176	21.68	-297.87	2.91	-279.11	-75.13	3521.11	-5584.96	708.38	-2772.23	4207.31
1	16	177	-93.02	-226.84	-104.36	-215.49	37.28	2162.28	-3946.96	-1169.42	-615.26	3042.03
1	16	178	-116.76	-172.14	-128.32	-160.57	22.51	1091.09	-3488.28	-2044.08	-353.11	2127.87
1	16	179	-127.08	-142.46	-128.74	-140.80	4.77	304.78	-3000.60	-2315.11	-380.71	1340.11
1	16	180	-124.33	-139.75	-125.34	-138.74	-3.82	-261.82	-2124.44	-1789.60	-596.66	715.24
1	16	181	-120.13	-145.79	-121.15	-144.77	-5.02	-323.69	-1559.87	-953.18	-930.39	617.99
1	16	182	-125.60	-148.10	-125.91	-147.79	-2.62	-0.78	-1848.59	-804.69	-1044.67	916.08
1	16	183	-128.61	-144.77	-128.62	-144.76	0.34	-139.19	-2223.25	-1533.48	-828.96	980.68
1	16	184	-126.23	-139.39	-126.91	-138.71	2.91	-585.84	-2437.63	-2337.58	-685.89	418.65
1	16	185	-120.62	-138.03	-124.11	-134.54	6.97	-693.09	-2259.15	-2195.55	-756.69	-309.13
1	16	186	-115.61	-136.93	-120.63	-131.90	9.05	-476.83	-1882.98	-1370.47	-989.34	-676.76
1	16	187	-105.01	-133.37	-113.37	-125.01	12.93	-402.11	-1522.87	-640.54	-1284.44	-458.66
1	16	188	-92.85	-122.82	-104.35	-111.32	14.57	-867.63	-1243.73	-874.25	-1237.10	49.47
1	16	189	-79.46	-113.85	-99.78	-93.52	16.91	-904.30	-1928.81	-1875.02	-958.08	228.49
1	16	190	-66.42	-104.44	-93.46	-77.41	17.24	-757.47	-2629.21	-2628.90	-757.78	-24.05
1	16	191	-56.54	-95.10	-86.80	-64.84	15.85	-576.39	-2662.79	-2597.75	-641.43	-362.59
1	16	192	-50.21	-83.89	-78.16	-55.95	12.66	-253.99	-2049.89	-1726.83	-577.06	-689.80
1	16	193	-32.40	-78.54	-68.49	-42.44	19.04	608.46	-1495.36	-144.04	-742.86	-1008.40
1	16	194	-4.47	-64.05	-33.40	-35.12	29.77	1049.53	-1188.98	898.81	-1038.27	-560.95
1	16	195	2.40	-13.97	-6.86	-4.71	8.12	390.54	-677.10	390.27	-676.83	16.93
1	16	196	15.27	-1.80	-1.62	15.09	1.73	-13.98	-700.23	-14.06	-700.15	-7.45
1	16	197	-15.40	-1425.54	-37.66	-1403.28	-175.76	1.646e+04	-1075.54	-1066.31	1.645e+04	-402.34
1	16	198	-34.00	-1196.50	-34.38	-1196.11	21.13	2.064e+04	3685.67	6034.81	1.829e+04	5858.15
1	16	199	-235.09	-458.91	-293.57	-400.44	98.33	9708.44	-5324.12	-3094.56	7478.88	5342.76
1	16	200	-182.54	-269.88	-261.90	-190.51	25.16	4400.14	-2571.28	-1573.70	3402.56	2441.18

1	16	201	-137.20	-194.02	-192.44	-138.77	-9.33	2781.86	-3309.91	-2602.86
2074.82	1951.22									
1	16	202	-122.02	-162.48	-151.66	-132.84	-17.91	1804.74	-3246.04	-2966.70
1525.40	1154.50									
1	16	203	-120.81	-155.68	-136.76	-139.74	-17.37	1607.46	-2127.99	-2096.57
1576.05	341.13									
1	16	204	-126.74	-154.71	-135.51	-145.94	-12.98	1403.09	135.76	138.15
1400.69	-55.05									
1	16	205	-135.47	-167.66	-143.03	-160.10	-13.65	1844.66	-796.34	202.81
845.52	1280.80									
1	16	206	-142.03	-153.95	-150.35	-145.63	-5.47	1829.11	-2016.65	-1565.14
1377.60	1237.96									
1	16	207	-133.81	-145.70	-134.20	-145.32	-2.10	961.21	-2957.87	-2910.36
913.70	428.89									
1	16	208	-128.66	-144.75	-133.09	-140.32	7.19	952.87	-2725.49	-2667.74
895.12	-457.28									
1	16	209	-127.97	-147.49	-142.43	-133.03	8.56	1591.78	-1639.89	-1240.39
1192.29	-1063.69									
1	16	210	-117.44	-149.30	-130.46	-136.28	15.66	1467.89	-363.61	600.06
504.22	-914.50									
1	16	211	-104.18	-127.04	-117.99	-113.24	11.18	1262.63	18.13	429.31
851.45	585.36									
1	16	212	-86.91	-116.58	-106.24	-97.25	14.14	738.23	-1962.07	-1892.43
668.59	428.02									
1	16	213	-69.94	-107.40	-97.32	-80.02	16.61	89.77	-2970.83	-2969.58
88.52	-61.77									
1	16	214	-55.39	-105.26	-95.93	-64.71	19.45	-116.71	-3044.78	-2972.79	-
188.70	-453.44									
1	16	215	-43.44	-106.75	-101.20	-48.99	17.90	181.61	-2491.14	-2202.48	-
107.05	-829.58									
1	16	216	-49.35	-101.97	-98.33	-53.00	13.36	1853.56	-2135.01	-414.78	
133.33	-1975.36									
1	16	217	2.95	-88.32	-57.18	-28.19	43.27	3017.57	-1238.13	2972.88	-
1193.45	-433.78									
1	16	218	-9.70	-24.17	-9.97	-23.89	-1.97	1181.26	-417.35	389.98	
373.93	799.26									
1	16	219	-3.32	-46.60	-3.36	-46.57	-1.20	297.72	7.75	14.42	
291.05	43.46									
1	16	220	16.07	-1066.44	-12.41	-1037.96	173.27	1.329e+04	-524.23	-460.17	
1.323e+04	938.56									
1	16	221	173.33	-1307.15	141.27	-1275.09	-215.49	1.454e+04	211.48	2524.54	
1.223e+04	-5272.63									
1	16	222	-187.04	-538.29	-365.59	-359.74	-175.60	8894.86	-1797.02	-1115.92	
8213.76	-2611.21									
1	16	223	-104.67	-304.66	-217.56	-191.77	-99.16	5370.05	-943.12	-939.94	
5366.87	141.70									
1	16	224	-80.78	-218.94	-145.83	-153.89	-68.97	2642.03	-3132.09	-3020.49	
2530.44	794.92									
1	16	225	-76.78	-187.36	-114.01	-150.13	-52.26	1770.30	-3697.06	-3525.02	
1598.26	954.49									
1	16	226	-85.75	-174.47	-111.53	-148.69	-40.28	2416.30	-2980.04	-2818.24	
2254.51	920.28									
1	16	227	-117.29	-178.03	-147.43	-147.89	-30.37	5339.84	222.42	346.92	
5215.34	788.42									
1	16	228	-128.59	-212.84	-202.10	-139.33	-28.10	7718.05	4240.03	4374.22	
7583.86	669.86									
1	16	229	-136.17	-169.93	-141.75	-164.34	-12.54	2637.72	-2318.44	-2289.10	
2608.39	380.15									
1	16	230	-121.03	-163.82	-121.87	-162.99	-5.92	1075.17	-3669.13	-3666.75	
1072.78	106.40									
1	16	231	-123.26	-156.71	-123.38	-156.59	1.99	1188.40	-3379.41	-3374.73	
1183.72	-146.12									
1	16	232	-135.01	-150.37	-139.83	-145.54	7.13	2606.16	-1800.92	-1776.48	
2581.72	-327.27									
1	16	233	-107.72	-200.39	-197.37	-110.74	16.46	7326.92	4815.72	4917.59	
7225.06	-495.40									
1	16	234	-105.52	-146.82	-138.72	-113.62	16.40	4638.47	735.40	814.78	
4559.10	-550.92									
1	16	235	-79.08	-121.09	-95.78	-104.39	20.56	1249.97	-2528.12	-2430.13	
1151.98	-600.51									

1	16	236	-63.56	-109.29	-81.70	-91.15	22.37	-183.13	-3504.74	-3385.53	-302.35-617.87
1	16	237	-56.14	-101.48	-83.75	-73.87	22.12	-634.84	-3491.20	-3352.62	-773.43-613.71
1	16	238	-54.53	-112.05	-105.81	-60.76	17.88	-333.32	-2713.48	-2552.29	-494.50-598.06
1	16	239	-31.46	-165.98	-159.27	-38.17	29.29	935.53	-3172.14	-3109.04	872.43 -505.18
1	16	240	2.32	-114.73	-91.34	-21.07	46.81	1.091e+04	9012.31	1.076e+04	9158.51-505.44
1	16	241	-4.96	-44.42	-10.38	-39.01	13.58	1462.46	-1427.08	-1363.55	1398.93 -423.71
1	16	242	-2.98	-33.64	-3.44	-33.19	-3.70	1531.34	20.42	22.75	1529.02 -59.27
1	16	243	82.52	-38.47	8.10	35.95	-58.87	803.00	-7498.03	744.10	-7439.13-696.75
1	16	244	231.90	-154.42	-152.27	229.76	28.68	-3585.18	-8314.97	-4122.06	-7778.09-1500.36
1	16	245	-11.50	-163.77	-18.82	-156.46	32.57	1190.97	-1902.17	873.52	-1584.72-938.69
1	16	246	-58.83	-178.98	-84.60	-153.21	-49.31	729.00	-321.48	-207.96	615.48 -326.14
1	16	247	-54.15	-202.63	-104.79	-151.99	-70.39	1074.12	-2271.47	-2257.14	1059.80 218.48
1	16	248	-61.05	-200.82	-111.88	-149.99	-67.24	1375.29	-3253.83	-3031.91	1153.36 988.98
1	16	249	-72.82	-200.11	-118.94	-153.99	-61.18	2085.86	-2960.60	-2372.03	1497.28 1619.81
1	16	250	-100.94	-196.68	-136.10	-161.52	-46.15	2538.28	-1306.73	-272.95	1504.501704.76
1	16	251	-132.80	-193.54	-150.05	-176.30	-27.39	1033.76	-267.00	-266.63	1033.39 -21.91
1	16	252	-141.44	-191.27	-165.99	-166.72	-24.91	1696.20	-2157.03	-2101.94	1641.11 -457.42
1	16	253	-146.37	-171.51	-154.08	-163.80	-11.59	1219.50	-3441.45	-3431.22	1209.27 -218.17
1	16	254	-154.98	-156.72	-155.00	-156.70	0.19	1168.94	-3121.83	-3117.32	1164.44 138.97
1	16	255	-142.45	-170.45	-165.07	-147.83	11.03	1451.52	-1647.31	-1600.99	1405.20 376.02
1	16	256	-136.49	-159.95	-149.11	-147.33	11.70	656.58	356.68	369.86	643.40 -61.48
1	16	257	-104.98	-154.78	-138.95	-120.81	23.19	2370.94	-1135.86	279.44	955.65-1720.49
1	16	258	-79.88	-143.61	-124.21	-99.27	29.32	1507.10	-2743.37	-1953.85	717.58-1653.03
1	16	259	-65.40	-130.20	-114.43	-81.17	27.81	518.77	-3369.26	-2966.64	116.15 -1184.61
1	16	260	-52.75	-122.72	-111.97	-63.50	25.23	36.90	-3118.41	-2918.50	-163.01-768.64
1	16	261	-36.44	-128.99	-118.81	-46.62	28.95	-16.19	-2151.79	-2098.19	-69.79-334.06
1	16	262	-19.43	-137.36	-108.55	-48.24	50.67	849.67	-980.87	-284.33	153.14 888.75
1	16	263	2.08	-80.15	-63.13	-14.94	33.31	3087.81	-1286.59	3013.60	-1212.38-564.90
1	16	264	31.46	-47.22	-11.00	-4.76	39.22	2010.03	-1300.21	377.71	332.11-1654.96
1	16	265	-2.94	-18.85	-4.04	-17.75	4.04	335.07	-66.92	15.02	253.13 -161.94
1	16	266	259.29	3.64	3.64	259.29	8.06e-02	58.65	-4413.41	53.66	-4408.42 149.37
1	16	267	200.84	-14.77	-10.61	196.68	29.65	-1.44	-5026.79	-507.03	-4521.20 1511.67
1	16	268	4.60	-47.44	-4.73	-38.11	19.96	279.26	-3999.56	-390.16	-3330.141554.42
1	16	269	-17.93	-132.34	-27.13	-123.14	-31.11	-411.93	-2637.49	-958.31	-2091.12 957.84
1	16	270	-39.21	-171.17	-64.54	-145.84	-51.97	-635.15	-2635.32	-2080.52	-1189.96 895.48

1	16	271	-60.82	-186.97	-94.70	-153.09	-55.91	-142.71	-3282.75	-2686.53	-738.931231.54
1	16	272	-81.72	-194.56	-116.49	-159.79	-52.10	222.15	-3288.60	-2438.81	-627.651503.75
1	16	273	-100.38	-199.82	-130.01	-170.19	-45.48	53.90	-2623.43	-1859.66	-709.881208.94
1	16	274	-118.62	-201.92	-144.13	-176.41	-38.40	-339.85	-2074.88	-1708.25	-706.49708.31
1	16	275	-140.87	-200.53	-159.00	-182.40	-27.44	-287.98	-2641.77	-2632.21	-297.55-149.76
1	16	276	-155.97	-182.65	-164.07	-174.55	-12.27	-91.71	-3448.41	-3434.03	-106.09-219.24
1	16	277	-163.83	-168.13	-165.54	-166.42	2.10	-231.51	-3139.62	-3137.00	-234.12-87.25
1	16	278	-148.40	-174.95	-164.01	-159.34	13.07	-572.26	-2087.42	-2079.50	-580.18-109.26
1	16	279	-125.93	-165.38	-154.66	-136.65	17.55	-222.79	-1860.39	-1003.85	-1079.34 -817.93
1	16	280	-108.45	-159.96	-146.60	-121.81	22.58	144.68	-2409.82	-1190.72	-1074.42-1275.93
1	16	281	-88.63	-149.88	-139.38	-99.14	23.09	174.46	-3045.79	-1978.93	-892.40-1515.71
1	16	282	-69.57	-138.31	-128.46	-79.42	24.09	-110.76	-3239.77	-2607.13	-743.40-1256.71
1	16	283	-53.16	-126.92	-116.34	-63.74	25.85	-300.45	-2838.58	-2489.34	-649.69-874.32
1	16	284	-39.03	-114.36	-101.04	-52.35	28.74	-386.57	-1753.62	-1547.78	-592.41-488.90
1	16	285	-4.03	-116.01	-85.08	-34.96	50.08	101.93	-756.49	91.60	-746.16-93.60
1	16	286	24.48	-84.74	-43.03	-17.23	53.07	1039.31	-1138.01	970.25	-1068.95 -381.57
1	16	287	58.83	-29.30	-7.65	37.17	37.94	871.42	-1200.27	386.89	-715.74-876.94
1	16	288	63.24	-1.07	-1.06	63.24	-0.49	2.10	-748.69	-14.94	-731.65-111.82
1	16	289	259.73	-1.81	-1.81	259.72	1.21	-22.50	-2841.73	-45.07	-2819.16 251.23
1	16	290	192.07	-4.61	-3.38	190.83	15.51	1073.47	-3642.57	207.68	-2776.781825.79
1	16	291	30.30	-12.53	5.95	11.82	21.21	208.50	-4421.98	-1010.56	-3202.932039.29
1	16	292	-15.84	-87.89	-15.87	-87.86	-1.52	-605.33	-4259.86	-1679.60	-3185.601664.90
1	16	293	-48.89	-134.87	-53.82	-129.94	-19.98	-1128.86	-4121.40	-2368.38	-2881.881474.07
1	16	294	-77.85	-160.81	-91.12	-147.55	-30.41	-1217.52	-4188.48	-2812.55	-2593.441481.43
1	16	295	-100.72	-179.94	-120.23	-160.42	-34.13	-1191.26	-4138.17	-2861.88	-2467.561460.20
1	16	296	-120.50	-193.70	-140.64	-173.56	-32.69	-1360.26	-3814.35	-2768.86	-2405.751213.54
1	16	297	-140.29	-201.05	-156.11	-185.22	-26.66	-1738.16	-3414.90	-2948.97	-2204.10 751.10
1	16	298	-155.35	-199.60	-166.55	-188.41	-19.24	-1795.46	-3479.30	-3433.86	-1840.91 272.87
1	16	299	-169.68	-189.25	-175.00	-183.93	-8.71	-1547.76	-3854.09	-3844.40	-1557.44 -149.17
1	16	300	-173.44	-179.25	-178.23	-174.46	2.21	-1623.64	-3628.16	-3521.30	-1730.51-450.33
1	16	301	-157.93	-181.74	-177.01	-162.66	9.50	-1717.96	-3205.44	-2741.88	-2181.52-688.95
1	16	302	-139.28	-178.85	-173.14	-144.99	13.91	-1346.17	-3287.15	-2037.42	-2595.90-929.45
1	16	303	-115.40	-170.35	-165.25	-120.50	15.96	-1072.99	-3474.85	-1876.21	-2671.63-1133.17
1	16	304	-93.01	-157.10	-153.40	-96.71	14.95	-1149.44	-3454.85	-2202.08	-2402.21-1148.36
1	16	305	-74.14	-139.61	-136.60	-77.15	13.70	-1232.73	-3265.05	-2502.76	-1995.02-983.93

1	16	306	-59.26	-119.67	-116.33	-62.60	13.81	-1102.43	-2794.88	-2307.59	-1589.72
-766.33											
1	16	307	-44.81	-98.54	-94.92	-48.42	13.46	-702.01	-1888.92	-1358.00	-1232.93
-590.15											
1	16	308	-16.62	-81.36	-70.97	-27.02	23.77	474.51	-1064.29	352.78	-942.56
-415.33											
1	16	309	17.18	-58.75	-35.88	-5.69	34.84	556.60	-1147.34	448.32	-1039.07
-415.66											
1	16	310	57.61	-12.40	-7.71	52.92	17.51	464.16	-906.10	304.60	-746.53
-439.53											
1	16	311	96.41	-1.95	-1.95	96.40	-0.66	-17.92	-795.78	-22.51	-791.19
-59.62											
1	16	312	256.04	-0.12	-0.12	256.04	0.78	-8.22	-2406.56	-21.88	-2392.89
180.52											
1	16	313	171.86	-12.88	-11.51	170.48	15.90	783.08	-2919.18	300.19	-2436.29
1246.83											
1	16	314	46.46	-36.22	-5.55	15.79	39.94	-502.26	-4524.80	-1216.86	-3810.20
1537.48											
1	16	315	-6.23	-96.52	-33.99	-68.75	41.67	-1168.56	-5385.06	-2079.54	-4474.08
1735.30											
1	16	316	-54.95	-126.12	-69.88	-111.18	28.98	-1609.31	-5555.99	-2749.84	-4415.45
1788.99											
1	16	317	-101.05	-138.35	-105.78	-133.63	12.41	-1939.61	-5465.01	-3212.41	-4192.21
1693.25											
1	16	318	-137.71	-151.75	-137.75	-151.71	-0.78	-2175.98	-5275.53	-3377.90	-4073.61
1510.23											
1	16	319	-158.22	-174.75	-162.38	-170.59	-7.18	-2355.34	-5086.73	-3426.36	-4015.71
1333.53											
1	16	320	-174.05	-190.97	-178.96	-186.06	-7.68	-2562.50	-4892.60	-3724.06	-3731.04
1165.05											
1	16	321	-185.81	-195.65	-188.63	-192.84	-4.44	-2717.62	-4700.01	-4300.64	-3116.98
795.11											
1	16	322	-186.92	-196.75	-194.28	-189.39	-4.27	-2588.99	-4740.39	-4739.27	-2590.11
-49.11											
1	16	323	-177.75	-200.30	-199.07	-178.98	-5.13	-2386.21	-4801.86	-4301.79	-2886.29
-978.74											
1	16	324	-164.14	-203.05	-202.76	-164.43	-3.37	-2062.43	-4922.81	-3309.65	-3675.59
-1418.44											
1	16	325	-141.58	-202.16	-202.16	-141.59	0.64	-1709.24	-5043.47	-2381.88	-4370.84
-1338.01											
1	16	326	-113.75	-191.16	-191.16	-113.75	0.26	-1747.57	-4812.70	-2091.37	-4468.90
-967.26											
1	16	327	-88.67	-170.24	-169.99	-88.93	-4.57	-2106.34	-4263.06	-2338.01	-4031.40
-667.81											
1	16	328	-70.01	-144.46	-142.48	-71.99	-11.97	-2344.47	-3683.39	-2584.33	-3443.54
-513.44											
1	16	329	-54.99	-120.82	-114.75	-61.07	-19.05	-2162.89	-3116.78	-2398.96	-2880.71
-411.65											
1	16	330	-39.90	-103.65	-94.73	-48.82	-22.11	-1305.46	-2341.54	-1429.23	-2217.78
-336.03											
1	16	331	-7.71	-107.46	-105.32	-9.84	-14.43	369.39	-1539.50	313.46	-1483.57
-321.93											
1	16	332	-8.08	-42.46	-42.46	-8.08	-2.63e-02	570.84	-1137.31	546.64	-1113.11
-201.88											
1	16	333	45.99	-8.73	-8.53	45.79	3.33	305.12	-745.53	301.44	-741.85
-62.06											
1	16	334	90.06	-2.16	-2.15	90.05	-0.92	-24.38	-786.37	-24.57	-786.19
-11.95											
1	16	335	155.01	-2.30	-2.30	155.00	-1.07	-20.09	-1364.43	-30.51	-1354.01
117.91											
1	16	336	114.52	-17.89	-3.43	100.06	41.30	466.31	-1515.79	257.48	-1306.96
608.53											
1	16	337	50.27	-82.73	-35.57	3.11	63.62	224.67	-2387.16	-236.82	-1925.67
996.17											
1	16	338	21.83	-156.24	-70.97	-63.43	88.96	304.78	-3405.84	-1100.43	-2000.64
1799.88											
1	16	339	-23.26	-175.82	-110.82	-88.26	75.44	40.20	-4127.42	-2237.18	-1850.05
2074.80											
1	16	340	-71.98	-181.40	-144.92	-108.46	51.59	-210.55	-4331.86	-2943.42	-1598.98
1947.93											

1	16	341	-115.74	-189.38	-171.81	-133.31	31.38	-337.08	-4074.08	-3128.87	-1282.28	1624.44
1	16	342	-151.29	-204.87	-197.19	-158.98	18.78	-262.30	-3637.48	-2824.89	-1074.88	1443.03
1	16	343	-178.80	-223.44	-217.96	-184.28	14.65	-2.36	-4118.89	-3249.50	-871.74	1680.19
1	16	344	-179.90	-247.71	-244.33	-183.27	14.75	222.02	-4896.30	-4445.77	-228.51	1450.16
1	16	345	-173.90	-258.91	-258.90	-173.91	1.06	176.45	-5559.86	-5559.00	175.60	70.09
1	16	346	-162.81	-260.88	-257.72	-165.97	-17.30	449.45	-5327.18	-4847.68	-30.05	-1593.73
1	16	347	-154.33	-250.75	-244.53	-160.56	-23.70	815.96	-4376.74	-2880.22	-680.56	-2351.90
1	16	348	-141.45	-226.13	-222.99	-144.59	-16.00	611.87	-3189.88	-1117.88	-1460.13	-1893.15
1	16	349	-102.74	-210.95	-207.71	-105.98	-18.44	-227.19	-1998.78	-687.60	-1538.38	-776.97
1	16	350	-70.32	-192.74	-187.02	-76.05	-25.84	-1184.24	-1715.63	-1538.02	-1361.84	-250.67
1	16	351	-42.77	-178.03	-166.62	-54.18	-37.59	-1196.78	-2106.14	-2069.41	-1233.51	-179.03
1	16	352	-21.40	-166.18	-144.69	-42.89	-51.47	-1059.99	-1993.66	-1966.58	-1087.07	-156.70
1	16	353	-10.16	-152.37	-121.93	-40.60	-58.33	-827.84	-1234.09	-1157.30	-904.63	-159.06
1	16	354	-3.50	-130.97	-93.19	-41.28	-58.21	479.11	-936.66	384.16	-841.71	-354.13
1	16	355	-6.79	-74.83	-54.65	-26.97	-31.08	993.99	-1071.35	993.93	-1071.30	10.60
1	16	356	22.63	-19.79	-6.92	9.76	-19.50	446.36	-779.62	320.84	-654.10	371.66
1	16	357	47.50	-1.91	-1.78	47.37	2.58	-14.07	-679.24	-16.62	-676.69	41.16
1	16	358	0.43	-7.98	-3.77	-3.78	4.20	279.51	-6.63	12.04	260.84	70.67
1	16	359	41.80	-43.47	-22.22	20.54	36.89	186.18	77.20	78.03	185.35	-9.48
1	16	360	34.21	-211.14	-126.18	-50.75	116.73	2862.93	-2045.69	134.12	683.12	2438.91
1	16	361	3.70	-230.69	-165.13	-61.86	105.21	1968.61	-3240.16	-1793.86	522.31	2332.74
1	16	362	-42.69	-222.24	-187.41	-77.53	71.00	1910.08	-3942.96	-2703.56	670.68	2391.27
1	16	363	-94.90	-229.01	-211.41	-112.50	45.28	2423.39	-3998.09	-3207.24	1632.54	2110.22
1	16	364	-136.71	-239.11	-225.17	-150.65	35.11	2888.49	-2359.74	-2057.35	2586.10	1222.93
1	16	365	-166.28	-318.83	-311.70	-173.41	32.20	4027.81	-5536.61	-4866.41	3357.62	2441.48
1	16	366	-147.12	-339.64	-339.14	-147.62	9.80	2724.48	-7028.95	-7028.93	2724.46	14.04
1	16	367	-139.05	-339.32	-333.38	-144.99	-33.98	3136.22	-6477.78	-6056.40	2714.84	-1968.14
1	16	368	-141.32	-311.05	-297.97	-154.40	-45.26	4939.98	-4444.42	-2543.43	3038.99	-3771.72
1	16	369	-94.32	-217.89	-209.16	-103.05	-31.66	2120.28	1114.73	1190.66	2044.34	-265.69
1	16	370	-51.69	-208.84	-199.18	-61.35	-37.75	1451.10	-1003.00	-973.31	1421.41	-268.30
1	16	371	-18.96	-196.97	-180.70	-35.23	-51.30	694.02	-1726.08	-1687.31	655.25	-303.85
1	16	372	-0.85	-188.16	-163.36	-25.65	-63.48	313.01	-1698.21	-1670.57	285.37	-234.15
1	16	373	1.94	-187.71	-150.36	-35.40	-75.42	301.00	-1178.68	-1124.68	247.00	-277.46
1	16	374	-0.55	-179.54	-124.57	-55.52	-82.57	1257.71	-919.30	119.34	219.07	-1087.36
1	16	375	-5.98	-50.27	-24.10	-32.15	-21.78	1508.03	-875.37	346.80	285.86	1191.31

1	16	376	-3.34	-76.14	-3.55	-75.93	-3.91	333.06	-17.91	8.15
307.00	92.01									
1	16	377	-0.36	-102.87	-71.09	-32.14	47.41	2278.34	-778.48	1837.04
-337.171074.36										
1	16	378	-159.53	-276.95	-271.89	-164.59	23.84	2866.37	-2409.49	-1407.72
1864.602069.22										
1	16	379	-125.02	-251.83	-248.01	-128.83	-21.67	3914.78	-368.64	2277.08
1269.06-2081.56										
1	16	380	-44.39	-86.82	-68.12	-63.09	-21.07	2932.45	-840.40	2931.11
-839.07-70.93										
1	16	381	0.84	-33.85	-2.55	-30.46	10.30	2352.19	41.32	55.59
2337.92	181.06									
1	16	382	-2.29	-43.52	-11.92	-33.89	17.45	2714.40	-1969.00	-1532.51
2277.91	1361.52									
1	16	383	21.04	-123.58	-83.25	-19.29	64.85	9961.19	6746.97	8022.59
8685.571572.55										
1	16	384	19.14	-189.77	-150.43	-20.19	81.67	4004.34	-941.24	-414.66
3477.761525.43										
1	16	385	31.81	-242.10	-183.88	-26.42	112.06	2929.59	-2023.25	-1061.72
1968.061959.02										
1	16	386	6.63	-260.24	-215.70	-37.91	99.51	3468.74	-3497.11	-1630.61
1602.243085.12										
1	16	387	-58.54	-287.60	-267.10	-79.04	65.39	5133.37	-5481.16	-3242.54
2894.754330.18										
1	16	388	-86.72	-321.19	-301.59	-106.32	64.90	8189.73	-5751.34	-4509.41
6947.81	3971.31									
1	16	389	-102.73	-381.33	-368.84	-115.23	57.67	1.507e+04	4911.18	5475.97
1.451e+042328.13										
1	16	390	-108.86	-420.23	-418.25	-110.84	24.74	5039.53	-8562.60	-8531.94
5008.87	645.01									
1	16	391	-98.67	-446.12	-446.10	-98.69	2.54	2990.30	-9019.31	-9002.30
2973.29	-451.68									
1	16	392	-90.59	-433.72	-427.49	-96.83	-45.82	3611.48	-8255.31	-8039.50
3395.67	-1585.70									
1	16	393	-79.81	-394.93	-386.29	-88.46	-51.47	6056.16	-6023.65	-5373.55
5406.07	-2725.87									
1	16	394	-67.92	-323.94	-303.52	-88.35	-69.37	1.601e+04	9512.10	1.138e+04
1.413e+04	-2940.43									
1	16	395	-53.43	-233.96	-214.10	-73.29	-56.49	7294.38	21.09	987.55
6327.91	-2468.87									
1	16	396	-20.43	-219.87	-201.62	-38.67	-57.49	3739.71	-1100.98	-433.42
3072.15	-1669.08									
1	16	397	11.55	-197.43	-170.82	-15.06	-69.67	2008.56	-1480.54	-1112.15
1640.17	-1072.20									
1	16	398	18.33	-182.72	-152.90	-11.49	-71.46	1133.97	-1330.12	-1196.79
1000.64	-557.46									
1	16	399	2.29	-174.06	-146.23	-25.54	-64.29	965.36	-1007.28	-991.86
949.94	-173.68									
1	16	400	-37.38	-143.90	-130.67	-50.61	-35.13	1916.77	-1890.57	-1889.27
1915.47	70.31									
1	16	401	-25.55	-90.27	-77.90	-37.91	-25.44	1.011e+04	9245.86	1.011e+04
9245.92	-7.21									
1	16	402	-8.75	-54.14	-9.23	-53.67	-4.61	1848.65	-1583.12	-1577.20
1842.73	-142.39									
1	16	403	0.20	-49.71	-2.80	-46.71	-11.87	1920.77	41.08	41.23
1920.61	-17.18									
1	16	404	-6.52	-33.03	-6.53	-33.02	-0.46	1221.81	-176.42	-153.93
1199.32	175.89									
1	16	405	14.38	-34.19	0.76	-20.56	-21.82	2925.07	-375.63	1058.86
1490.58	1636.17									
1	16	406	-0.46	-75.48	-67.97	-7.97	22.52	2164.59	-1904.35	1387.24
-1126.99	1599.60									
1	16	407	4.39	-127.54	-100.71	-22.44	53.10	1307.15	-248.08	775.40
283.67	737.72									
1	16	408	27.61	-152.97	-103.14	-22.22	80.71	2479.62	-1258.21	228.55
992.86	1829.43									
1	16	409	-6.90	-243.09	-227.76	-22.24	58.19	5136.26	-1758.85	1220.09
2157.33	3415.56									
1	16	410	-4.49	-349.94	-347.29	-7.13	30.13	5154.88	-5500.38	-1646.33
1300.83	5119.79									

1	16	411	-13.51	-408.46	-406.69	-15.28	26.35	1901.97	-1.008e+04	-6281.91	-1893.73	5573.47
1	16	412	-28.28	-532.50	-530.08	-30.70	34.86	-3295.55	-8702.05	-7937.87	-4059.73	1883.50
1	16	413	-22.53	-572.83	-572.09	-23.27	20.12	-789.34	-8969.06	-8932.21	-826.19	-547.78
1	16	414	-8.04	-562.71	-562.56	-8.19	9.08	-516.48	-1.030e+04	-1.023e+04	-583.30	-805.65
1	16	415	-0.60	-535.70	-532.17	-4.12	-43.28	-866.41	-9985.97	-9798.35	-1054.04	-1294.56
1	16	416	-18.68	-467.95	-465.00	-21.62	-36.26	-540.49	-6353.10	-5932.69	-960.90	-1505.64
1	16	417	-20.17	-424.63	-420.83	-23.97	-39.01	3139.77	-3065.73	1428.43	-1354.39	-2773.27
1	16	418	-17.25	-291.65	-290.52	-18.38	-17.58	6932.57	-1749.55	3797.19	-1385.83	-4170.27
1	16	419	-19.71	-143.38	-137.05	-26.04	-27.26	3453.01	-1824.73	662.79	-965.50	-2634.53
1	16	420	-0.76	-110.67	-94.78	-16.65	-38.65	1860.38	-1385.17	-223.37	-698.58	-1555.92
1	16	421	4.38	-105.39	-87.86	-13.15	-40.21	1013.41	-833.22	-400.62	-580.81	-782.12
1	16	422	8.02	-118.83	-97.91	-12.90	-47.07	505.70	-319.00	-307.45	-494.15	-96.89
1	16	423	-7.31	-123.20	-117.54	-12.97	-24.99	1683.82	-625.90	717.44	-340.47	1139.37
1	16	424	-4.86	-81.48	-81.04	-5.31	-5.83	1905.74	-1625.16	1905.48	-1624.91	-30.09
1	16	425	8.81	-33.51	-4.16	-20.55	19.51	1554.78	-551.72	508.37	-494.70	-1053.22
1	16	426	-5.66	-14.89	-5.88	-14.67	1.40	506.60	-47.76	-35.52	-494.36	-81.45
1	16	427	9.05	4.93	5.07	8.91	0.75	39.10	-136.57	-8.26	-89.21	-77.95
1	16	428	-4.11	-25.86	-25.85	-4.13	-0.51	570.34	-208.31	544.92	-182.89	138.35
1	16	429	-3.61	-92.88	-92.47	-4.03	6.07	1419.04	-44.59	1374.72	-0.26	250.82
1	16	430	-5.03	-164.21	-163.92	-5.32	6.74	834.49	-91.48	718.72	-24.29	306.26
1	16	431	3.02	-138.32	-138.22	2.91	-3.89	726.06	-312.68	461.78	-48.39	452.41
1	16	432	-3.90	-181.42	-181.38	-3.94	2.84	1374.46	-709.34	1029.71	-364.59	774.30
1	16	433	0.56	-327.48	-326.64	-0.27	16.55	243.24	-2098.59	-1626.38	-228.97	939.60
1	16	434	-5.34	-516.50	-515.88	-5.97	-17.81	531.59	-6348.26	-6238.80	-422.13	860.87
1	16	435	-4.67	-506.49	-506.47	-4.69	2.97	283.81	-7988.94	-7951.28	-246.15	556.86
1	16	436	-9.94	-630.21	-630.02	-10.12	10.76	115.58	-8959.49	-8958.53	-114.62	93.27
1	16	437	-0.86	-556.04	-556.03	-0.88	-2.47	72.65	-1.013e+04	-1.013e+04	-69.51	-179.04
1	16	438	-2.37	-533.20	-533.16	-2.41	4.66	182.59	-9623.84	-9610.83	-169.58	-357.00
1	16	439	-6.74	-559.73	-559.52	-6.95	-10.79	327.63	-5630.10	-5593.68	-291.21	-464.38
1	16	440	-2.77	-379.25	-379.13	-2.89	-6.75	1378.70	-401.71	1141.84	-164.85	-604.66
1	16	441	-9.28	-307.21	-307.05	-9.44	6.80	3317.97	-358.21	3185.48	-225.72	-685.20
1	16	442	4.65	-159.87	-159.86	4.63	1.55	1193.53	-261.83	963.48	-31.78	-530.92
1	16	443	-0.44	-86.97	-86.96	-0.45	-0.85	221.75	-401.01	-131.10	-48.15	-308.61
1	16	444	-1.93	-74.70	-74.61	-2.03	-2.64	22.75	-422.73	-345.53	-54.45	-168.62
1	16	445	-2.00	-99.53	-99.50	-2.03	-1.70	-34.16	-208.79	-201.88		

41.07-34.05
1 16 446 -7.20 -163.57 -163.49 -7.27 -3.46 810.18 -18.34 802.68 -
10.8378.50
1 16 447 -2.31 -86.68 -85.29 -3.70 -10.74 1664.97 1.82 1664.88
1.91 12.25
1 16 448 -4.63 -14.93 -14.91 -4.65 0.48 439.61 -1.18 435.88
2.55 -40.36
1 16 449 9.49 3.71 4.56 8.64 -2.04 -5.02 -85.01 -37.36 -
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1 36 13 10.47 2.23 2.90 9.80 -2.25 40.55 -45.97 14.78 -
20.20-39.57
1 36 14 -6.46 -10.03 -9.09 -7.40 1.58 377.66 122.85 371.99
128.52 -37.59
1 36 15 -1.88 -66.35 -64.97 -3.26 -9.32 1193.23 -38.30 1188.48 -
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1 36 16 -3.97 -118.58 -118.44 -4.11 -3.98 719.72 -44.20 632.68
42.84 242.72
1 36 17 -1.18 -44.42 -44.22 -1.38 -2.89 61.41 -535.02 -416.33 -
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1 36 19 -0.23 -21.85 -21.41 -0.66 -3.03 -58.31 -447.47 -446.33 -
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1 36 20 -6.98 -69.39 -69.22 -7.15 3.25 624.47 20.44 608.33
36.58 97.41
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1 36 22 -2.49 -72.22 -71.96 -2.74 -4.22 417.08 -260.67 155.06
1.35 330.04
1 36 23 -0.83 -12.45 -12.06 -1.21 -2.08 5.43 -894.86 -829.93 -
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1 36 24 -1.14 -14.94 -14.58 -1.50 -2.19 -49.72 -846.30 -842.22 -
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72.00 61.11
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1 36 33 19.45 -20.47 1.70 -2.71 19.84 660.72 135.54 654.82
141.44 -55.33
1 36 34 4.62 -8.72 4.36 -8.46 1.84 275.66 44.00 274.45
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1 36 35 11.94 0.82 1.92 10.84 3.32 -22.33 -56.97 -37.86 -
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1 36 36 -4.53 -11.66 -5.88 -10.31 2.79 460.57 43.85 96.86
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1 36 37 4.37 -35.16 -15.59 -15.20 19.77 1212.47 -616.64 401.03
194.80 -908.72
1 36 38 -9.58 -72.96 -72.86 -9.68 2.46 1484.54 -2046.03 1422.63 -
1984.13 463.38
1 36 39 -13.40 -96.79 -94.07 -16.12 -14.80 2805.33 -1724.19 811.98
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1 36 40 -0.85 -74.28 -64.94 -10.19 -24.47 1584.86 -1609.40 -549.38
524.85 1504.11
1 36 41 -15.14 -40.18 -39.94 -15.38 -2.46 906.57 -1067.40 -800.93
640.10 674.54
1 36 42 -0.36 -48.69 -36.62 -12.43 20.92 596.45 -633.80 -624.42
587.08 -107.00
1 36 43 7.66 -72.64 -60.45 -4.54 28.82 1524.16 -388.57 959.40

176.20	-872.51										
1	36	44	-16.06	-90.55	-90.14	-16.46	-5.48	1581.66	-2090.78	1204.87	-
1713.99	1114.35										
1	36	45	-14.49	-78.14	-76.79	-15.84	-9.17	2407.24	-1586.92	161.84	
658.49	1981.58										
1	36	46	-12.00	-46.10	-45.97	-12.12	2.08	1244.91	-1210.55	-920.02	
954.37	793.08										
1	36	47	8.30	-58.30	-39.33	-10.67	30.06	957.10	-1010.12	-952.62	
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1	36	48	4.89	-68.16	-51.39	-11.88	30.72	1640.17	-1105.43	-40.54	
575.29	-1337.82										
1	36	49	1.39	-81.27	-70.49	-9.39	27.84	961.41	-2022.84	896.97	-
1958.40	-433.78										
1	36	50	-1.66	-50.32	-47.12	-4.87	-12.07	1877.09	-1231.96	540.37	
104.77	1539.19										
1	36	51	6.14	-16.75	-2.73	-7.89	-11.15	1057.19	-1369.52	-1082.85	
770.52	783.26										
1	36	52	26.58	-8.36	26.55	-8.32	1.09	842.75	-1375.03	-1374.90	
842.62	16.77										
1	36	53	41.12	-7.44	40.90	-7.21	3.29	940.25	-1637.82	-1492.56	
794.99	-594.48										
1	36	54	41.02	-6.55	38.46	-3.99	10.73	945.30	-2091.69	-1669.19	
522.80	-1051.01										
1	36	55	27.88	-27.59	18.33	-18.04	20.94	1316.13	-2703.61	-1338.53	-
48.95	-1903.64										
1	36	56	13.07	-31.45	-16.75	-1.64	20.94	1009.16	-2148.94	914.18	-
2053.96	-539.38										
1	36	57	7.09	-23.91	-17.36	0.53	-12.66	993.43	-535.38	314.67	
143.39	759.59										
1	36	58	-0.75	-5.98	-1.36	-5.38	-1.68	284.61	-22.35	-10.87	
273.13	58.24										
1	36	59	-1.70	-79.07	-3.48	-77.29	-11.60	2548.98	0.89	1.04	
2548.82	19.98										
1	36	60	3.47	-78.35	3.36	-78.24	-3.02	2708.26	-1719.46	-1613.06	
2601.85	678.08										
1	36	61	-35.18	-75.70	-61.30	-49.57	-19.39	1.209e+04	1.005e+04	1.089e+04	
1.125e+04	1002.05										
1	36	62	-45.72	-116.30	-110.85	-51.17	-18.84	5013.37	-332.14	17.89	
4663.34	1322.33										
1	36	63	-31.85	-108.54	-92.52	-47.88	-31.18	2806.63	-1571.18	-1188.72	
2424.16	1236.16										
1	36	64	-38.40	-80.11	-73.91	-44.60	-14.83	2327.72	-1751.53	-1529.29	
2105.48	925.85										
1	36	65	-48.05	-63.25	-57.78	-53.52	7.29	3122.54	-1319.81	-1231.99	
3034.71	618.41										
1	36	66	-38.37	-67.06	-40.89	-64.54	8.12	6429.39	291.00	334.79	
6385.60	516.63										
1	36	67	-67.34	-79.76	-75.00	-72.10	6.04	1.338e+04	1.044e+04	1.071e+04	
1.310e+04	860.47										
1	36	68	-54.24	-102.98	-100.35	-56.86	11.00	4891.03	-1336.49	-1206.78	
4761.32	889.35										
1	36	69	-41.44	-95.68	-91.09	-46.04	15.11	2904.36	-1835.70	-1767.99	
2836.66	562.44										
1	36	70	-25.63	-102.15	-80.99	-46.78	34.22	3015.90	-1721.06	-1720.52	
3015.36	50.49										
1	36	71	-28.40	-88.39	-69.15	-47.64	28.00	4721.08	-1439.75	-1432.92	
4714.25	-205.01										
1	36	72	-38.03	-82.74	-59.44	-61.33	22.34	1.287e+04	1.038e+04	1.040e+04	
1.285e+04	-180.46										
1	36	73	-34.89	-62.49	-42.48	-54.90	12.32	6046.07	-214.84	-212.12	
6043.35	130.31										
1	36	74	-29.69	-41.62	-38.85	-32.45	5.04	2842.53	-1665.25	-1665.24	
2842.52	8.17										
1	36	75	-11.61	-39.99	-35.21	-16.39	10.62	1586.41	-2109.97	-2073.29	
1549.72	-366.42										
1	36	76	-3.63	-42.15	-36.56	-9.22	13.57	1203.47	-2290.13	-2113.13	
1026.47	-766.19										
1	36	77	-17.22	-48.50	-45.42	-20.30	9.32	1315.94	-2385.24	-2066.66	
997.36	-1038.09										

1	36	78	-37.77	-63.15	-46.86	-54.07	12.17	2020.76	-3886.21	-3680.96
1815.51	-1081.80									
1	36	79	-6.03	-78.21	-34.94	-49.29	35.37	1.041e+04	8934.94	9754.19
9593.63	-734.60									
1	36	80	-1.94	-88.46	-2.70	-87.70	8.11	1915.93	-1826.77	-1759.15
1848.31	-498.49									
1	36	81	-3.04	-89.63	-3.99	-88.67	9.03	1931.31	126.00	128.49
1928.82	-67.06									
1	36	82	-12.81	-110.78	-47.67	-75.92	-46.90	3975.39	-670.03	3227.47
77.89	1707.35									
1	36	83	-73.87	-126.05	-76.69	-123.24	-11.78	3325.25	822.66	2857.45
1290.47	975.65									
1	36	84	-60.96	-112.26	-64.38	-108.84	12.80	2514.49	902.04	2429.04
987.49	-361.21									
1	36	85	-14.43	-115.62	-42.48	-87.57	45.29	2486.53	-1176.55	2338.19	-
1028.21	-722.08									
1	36	86	-4.15	-120.93	-4.40	-120.68	-5.46	632.66	-82.54	12.26
537.86	242.52									
1	36	87	3.10	-81.29	-21.40	-56.79	-38.30	3225.63	-2243.38	472.20
510.04	2734.44									
1	36	88	11.64	-186.30	-84.49	-90.18	-98.93	1518.93	1216.88	1254.39
1481.42	99.62									
1	36	89	-13.80	-159.68	-85.61	-87.87	-72.93	1446.89	-1233.48	-1044.90
1258.31	685.48									
1	36	90	-40.91	-119.27	-76.01	-84.18	-38.97	1618.53	-2050.44	-1613.32
1181.41	1188.58									
1	36	91	-64.50	-103.55	-67.22	-100.83	-9.94	2524.37	-1901.83	-1051.80
1674.34	1743.51									
1	36	92	-55.71	-124.36	-55.85	-124.22	-3.14	3950.89	-563.18	1304.62
2083.09	2223.22									
1	36	93	-81.37	-129.34	-105.30	-105.41	-23.99	2580.57	20.71	294.61
2306.67	-791.28									
1	36	94	-82.58	-108.08	-108.06	-82.60	-0.72	1657.85	-1804.58	-1801.42
1654.69	104.55									
1	36	95	-61.72	-121.45	-98.62	-84.55	29.02	1802.05	-1869.62	-1758.30
1690.73	629.55									
1	36	96	-54.38	-132.65	-84.53	-102.50	38.09	2900.49	-649.66	59.37
2191.47	1419.31									
1	36	97	-55.00	-96.21	-55.28	-95.94	3.34	2998.92	-506.48	743.90
1748.55	-1679.17									
1	36	98	-59.49	-65.70	-62.33	-62.87	3.09	1741.40	-2204.36	-1692.78
1229.82	-1325.47									
1	36	99	-27.60	-71.32	-63.86	-35.06	16.45	856.01	-2787.62	-2442.12
510.51	-1067.49									
1	36	100	-12.24	-81.46	-68.13	-25.56	27.29	521.09	-2810.22	-2465.22
176.09	-1015.03									
1	36	101	-10.74	-101.88	-75.55	-37.08	41.31	461.92	-2364.06	-2066.78
164.63	-867.03									
1	36	102	13.11	-149.46	-72.71	-63.64	81.16	92.18	-1087.36	-1078.40
83.21	102.41									
1	36	103	-12.53	-107.84	-28.46	-91.91	35.56	2199.00	-1592.49	270.95
335.56	-1895.47									
1	36	104	-4.47	-168.69	-4.61	-168.54	4.92	404.93	-48.20	-10.20
366.94	-125.59									
1	36	105	62.51	-1.67	-1.67	62.51	0.59	-16.31	-1629.04	-43.07	-
1602.27	206.03									
1	36	106	71.30	-50.20	-6.11	27.21	-58.42	1750.03	-2782.49	492.73	-
1525.18	2029.27									
1	36	107	56.84	-135.58	-20.10	-58.64	-94.26	1625.91	-2977.56	617.23	-
1968.88	1904.20									
1	36	108	35.79	-181.13	-31.14	-114.20	-100.19	474.83	-2219.00	12.56	-
1756.72	1015.68									
1	36	109	-5.61	-167.33	-51.54	-121.40	-72.93	-335.97	-2179.18	-1083.06	-
1432.09	904.93									
1	36	110	-40.30	-143.17	-66.90	-116.57	-45.04	-90.40	-2712.02	-1521.26	-
1281.15	1305.30									
1	36	111	-63.78	-130.91	-75.20	-119.49	-25.23	487.14	-2891.58	-1104.21	-
1300.23	1686.51									
1	36	112	-74.36	-135.92	-78.40	-131.87	-15.26	894.24	-2501.41	-76.85	-

1530.321534.42											
1	36	113	-84.43	-146.87	-92.85	-138.44	-21.33	364.29	-1913.32	164.73	-
1713.76643.96											
1	36	114	-88.59	-134.21	-101.03	-121.77	-20.32	-625.43	-1346.02	-626.52	-
1344.93 -28.00											
1	36	115	-101.64	-109.42	-106.24	-104.82	-3.82	-1048.30	-1765.37	-1750.86	-
1062.80 100.96											
1	36	116	-87.45	-117.41	-101.95	-102.91	14.97	-797.70	-2100.52	-1767.73	-
1130.49 568.17											
1	36	117	-78.48	-128.01	-92.19	-114.29	22.16	-490.01	-1849.61	-887.78	-
1451.84 618.54											
1	36	118	-77.72	-121.47	-83.86	-115.33	15.20	-259.75	-1832.53	-262.28	-
1830.00 -63.04											
1	36	119	-69.71	-97.76	-71.20	-96.26	6.30	-76.36	-2296.24	-702.81	-
1669.80-999.10											
1	36	120	-60.13	-81.62	-70.60	-71.14	10.74	-408.91	-2999.79	-1940.18	-
1468.51-1273.79											
1	36	121	-38.55	-82.37	-68.83	-52.08	20.24	-631.99	-3320.78	-2640.32	-
1312.45-1169.01											
1	36	122	-18.82	-90.20	-66.44	-42.58	33.64	-601.23	-3205.68	-2638.58	-
1168.34-1074.89											
1	36	123	-12.42	-98.08	-63.80	-46.71	41.97	-349.79	-2566.78	-1926.09	-
990.48-1004.95											
1	36	124	19.44	-132.40	-55.84	-57.12	75.92	-36.80	-1295.63	-484.51	-
847.92-602.62											
1	36	125	28.24	-134.59	-39.86	-66.49	80.32	905.43	-1346.85	539.21	-
980.62-831.10											
1	36	126	21.16	-88.65	-4.58	-62.91	46.52	989.41	-1345.14	239.21	-
594.93-1090.22											
1	36	127	-0.35	-53.15	-0.58	-52.91	-3.50	-8.92	-616.67	-23.27	-
602.31-92.29											
1	36	128	192.49	-2.44	-2.43	192.48	-1.25	-41.30	-3394.67	-46.25	-
3389.72 128.74											
1	36	129	143.75	-34.41	-15.10	124.43	-55.39	792.26	-3856.96	344.77	-
3409.461371.22											
1	36	130	69.21	-122.37	6.33	-59.49	-89.96	-56.51	-4861.15	-583.04	-
4334.621500.85											
1	36	131	19.99	-168.40	-5.63	-142.78	-64.58	-526.87	-4986.08	-972.37	-
4540.591337.20											
1	36	132	-23.36	-164.13	-34.64	-152.85	-38.21	-989.98	-4654.71	-1502.79	-
4141.89 1271.36											
1	36	133	-56.03	-148.22	-60.95	-143.30	-20.71	-1102.61	-4558.76	-1756.55	-
3904.821353.70											
1	36	134	-79.07	-139.20	-80.83	-137.44	-10.14	-941.67	-4698.19	-1580.26	-
4059.61 1411.05											
1	36	135	-93.50	-139.40	-94.16	-138.74	-5.46	-816.01	-4828.27	-1225.75	-
4418.53 1214.94											
1	36	136	-101.21	-140.06	-101.93	-139.33	-5.27	-985.23	-4725.04	-1169.23	-
4541.04 808.87											
1	36	137	-103.86	-134.18	-104.47	-133.58	-4.23	-1478.98	-4303.56	-1547.50	-
4235.04 434.55											
1	36	138	-101.90	-124.87	-102.94	-123.84	4.77	-2016.71	-3877.14	-2061.51	-
3832.33 285.22											
1	36	139	-91.36	-127.92	-100.65	-118.63	15.92	-2082.56	-3991.35	-2127.43	-
3946.49 289.17											
1	36	140	-85.70	-130.86	-98.91	-117.65	20.54	-1810.15	-4395.68	-1820.97	-
4384.86 166.93											
1	36	141	-83.11	-124.63	-95.68	-112.06	19.07	-1594.38	-4692.60	-1604.50	-
4682.49-176.74											
1	36	142	-74.88	-111.25	-87.32	-98.81	17.25	-1778.51	-4592.78	-1893.82	-
4477.47-557.86											
1	36	143	-59.13	-98.62	-75.63	-82.12	19.48	-2215.16	-4400.21	-2518.00	-
4097.37-754.99											
1	36	144	-39.88	-90.97	-62.23	-68.62	25.35	-2386.94	-4060.75	-2981.16	-
3466.52-800.95											
1	36	145	-23.22	-87.18	-49.94	-60.47	31.54	-2091.90	-3727.19	-2927.98	-
2891.11-817.44											
1	36	146	-15.17	-81.49	-42.93	-53.73	32.72	-1223.62	-2856.38	-1976.60	-
2103.41 -813.92											

1	36	147	15.88	-109.34	-66.22	-27.25	59.50	-40.56	-1631.28	-322.07	-1349.77
-607.09											
1	36	148	33.28	-106.14	-26.91	-45.94	69.06	449.17	-1370.86	137.56	-1059.26
-685.59											
1	36	149	15.59	-48.46	-7.86	-25.01	30.86	569.65	-1073.89	181.38	-685.62
-698.13											
1	36	150	-1.81	-7.88	-2.04	-7.65	1.16	-22.41	-706.36	-28.54	-700.23
-64.45											
1	36	151	258.55	6.73	6.90	258.37	6.60	4.45	-5231.70	-1.61	-5225.64
177.98											
1	36	152	207.62	-37.68	-10.73	180.66	-76.72	30.39	-5709.32	-268.66	-5410.28
1275.54											
1	36	153	62.96	-148.36	24.86	-110.27	-81.24	313.69	-4857.48	-209.82	-4333.96
1559.84											
1	36	154	-10.18	-186.57	-11.02	-185.73	-12.16	394.18	-4188.19	-626.13	-3167.87
1906.41											
1	36	155	-60.38	-171.17	-61.24	-170.32	9.70	-75.52	-3737.82	-1329.32	-2484.02
1737.75											
1	36	156	-88.36	-151.93	-89.78	-150.51	9.38	-450.70	-3438.90	-1622.02	-2267.57
1458.82											
1	36	157	-101.67	-143.98	-102.72	-142.94	6.57	-684.28	-3135.46	-1440.17	-2379.58
1132.01											
1	36	158	-107.00	-145.01	-107.81	-144.20	5.48	-630.58	-3086.43	-1104.41	-2612.60
969.10											
1	36	159	-110.02	-146.28	-111.07	-145.23	6.08	-673.43	-3102.88	-1088.65	-2687.65
914.53											
1	36	160	-111.41	-143.57	-113.76	-141.22	8.37	-1070.62	-2959.46	-1497.97	-2532.11
1790.30											
1	36	161	-107.75	-139.94	-114.56	-133.14	13.15	-1703.36	-2638.84	-2006.86	-2335.35
437.95											
1	36	162	-99.22	-139.44	-111.74	-126.92	18.62	-2039.60	-2414.21	-2041.18	-2412.63
24.31											
1	36	163	-91.73	-138.65	-106.53	-123.84	21.81	-1666.75	-2718.28	-1708.76	-2676.27
-205.94											
1	36	164	-83.70	-133.87	-100.10	-117.47	23.54	-1416.27	-2914.98	-1457.11	-2874.15
-244.01											
1	36	165	-73.81	-124.36	-93.77	-104.40	24.71	-1668.37	-2787.01	-1694.39	-2760.99
-168.60											
1	36	166	-61.21	-113.29	-87.20	-87.31	26.04	-2228.20	-2619.81	-2312.62	-2535.39
-161.04											
1	36	167	-48.36	-102.20	-79.00	-71.57	26.66	-1966.47	-2898.63	-2805.92	-2059.18
-278.97											
1	36	168	-38.68	-90.22	-69.26	-59.65	25.32	-1473.25	-2860.43	-2713.62	-1620.05
-426.73											
1	36	169	-30.70	-78.90	-60.84	-48.76	23.33	-889.65	-2103.79	-1811.61	-1181.83
-519.02											
1	36	170	-4.52	-83.34	-50.17	-37.69	38.91	205.51	-1226.28	-140.68	-880.09
-613.04											
1	36	171	18.82	-82.34	-27.24	-36.28	50.38	352.53	-1192.03	146.92	-986.42
-524.69											
1	36	172	15.61	-31.09	-7.70	-7.78	23.35	301.09	-849.34	173.82	-722.08
-360.84											
1	36	173	12.73	-2.21	-2.05	12.57	1.54	-27.86	-750.87	-29.25	-749.48
-31.67											
1	36	174	214.14	-2.19	13.60	198.35	56.27	881.74	-9459.23	799.35	-9376.83
919.37											
1	36	175	231.00	-180.61	-158.23	208.61	-93.34	-1812.34	-1.206e+04	-4204.23	-9670.84
4335.51											
1	36	176	19.19	-298.27	3.36	-282.45	-69.09	3836.42	-5301.98	1189.37	-2654.93
4145.23											
1	36	177	-91.00	-234.30	-106.38	-218.92	44.35	2491.12	-3600.71	-660.44	-449.15
3044.09											
1	36	178	-113.67	-180.45	-130.98	-163.13	29.27	1471.89	-3163.94	-1549.96	-142.10
2208.44											
1	36	179	-124.24	-149.23	-130.75	-142.72	10.96	656.27	-2687.44	-1884.47	-146.70
1428.33											
1	36	180	-126.30	-140.75	-126.63	-140.42	2.15	67.48	-1866.67	-1434.83	-364.36
805.46											
1	36	181	-122.05	-147.26	-122.13	-147.18	1.40	20.43	-1398.65	-665.37	-

712.86709.14											
1	36	182	-125.90	-150.45	-126.54	-149.81	3.89	312.37	-1738.71	-576.65	-
849.691016.41											
1	36	183	-126.93	-148.94	-129.09	-146.78	6.55	127.77	-2164.37	-1377.27	-
659.331088.40											
1	36	184	-121.95	-143.81	-126.44	-139.32	8.83	-393.65	-2421.85	-2269.32	-
546.19534.89											
1	36	185	-114.36	-141.86	-123.01	-133.21	12.77	-622.73	-2253.65	-2229.64	-
646.74-196.41											
1	36	186	-108.52	-139.92	-119.06	-129.38	14.83	-553.49	-1851.02	-1498.68	-
905.83-577.09											
1	36	187	-97.63	-136.92	-111.78	-122.77	18.86	-598.25	-1443.04	-817.88	-
1223.40-370.55											
1	36	188	-85.16	-125.99	-102.61	-108.53	20.20	-999.65	-1274.23	-1081.40	-
1192.48 125.55											
1	36	189	-72.33	-116.49	-97.96	-90.86	21.79	-923.74	-2181.42	-2104.68	-
1000.48 301.05											
1	36	190	-59.22	-106.01	-91.06	-74.17	21.82	-802.98	-2867.94	-2866.93	-
804.0045.77											
1	36	191	-49.02	-96.03	-84.01	-61.03	20.50	-649.18	-2865.54	-2826.08	-
688.64-293.09											
1	36	192	-42.10	-85.08	-76.28	-50.91	17.35	-382.03	-2190.50	-1949.46	-
623.08-614.67											
1	36	193	-21.28	-81.69	-66.51	-36.46	26.20	447.39	-1479.37	-261.01	-
770.98-929.02											
1	36	194	5.57	-70.00	-32.12	-32.31	37.78	879.18	-1158.50	742.75	-
1022.06-509.31											
1	36	195	3.46	-19.78	-6.68	-9.64	11.53	212.30	-710.56	212.15	-
710.4111.75											
1	36	196	9.10	-1.45	-0.59	8.24	2.89	-17.25	-698.02	-17.54	-
697.73-14.09											
1	36	197	-15.03	-1433.12	-37.03	-1411.12	-175.27	1.653e+04	-1099.26	-1090.55	
1.652e+04-391.74											
1	36	198	-35.41	-1202.43	-35.91	-1201.92	24.28	2.079e+04	3845.09	6231.56	
1.841e+045895.11											
1	36	199	-236.27	-467.74	-300.79	-403.22	103.79	9962.72	-4832.01	-2602.48	
7733.195292.87											
1	36	200	-184.78	-280.30	-271.28	-193.80	27.94	4835.70	-2085.30	-987.97	
3738.362527.95											
1	36	201	-140.10	-199.97	-199.07	-141.01	-7.30	3225.90	-2849.25	-2049.29	
2425.952054.25											
1	36	202	-125.48	-163.26	-154.24	-134.51	-16.11	2187.77	-2853.28	-2519.86	
1854.361252.83											
1	36	203	-122.33	-154.16	-135.10	-141.38	-15.60	1930.10	-1788.13	-1736.65	
1878.62 434.48											
1	36	204	-129.02	-152.87	-133.69	-148.19	-9.47	1685.42	451.49	452.35	
1684.56 32.48											
1	36	205	-142.40	-166.60	-145.66	-163.34	-8.26	2120.57	-551.51	460.72	
1108.34 1296.20											
1	36	206	-146.19	-155.55	-154.42	-147.32	-3.05	2114.84	-1905.87	-1391.32	
1600.28 1343.17											
1	36	207	-135.27	-145.45	-135.28	-145.44	-0.31	1152.53	-2900.53	-2828.68	
1080.68 534.82											
1	36	208	-124.77	-144.78	-130.18	-139.37	8.89	1031.82	-2776.36	-2742.88	
998.33 -355.52											
1	36	209	-122.43	-145.01	-137.06	-130.38	10.79	1573.76	-1707.71	-1389.74	
1255.78-970.73											
1	36	210	-108.97	-150.81	-127.00	-132.78	20.72	1365.39	-448.34	390.18	
526.88 -904.29											
1	36	211	-100.85	-129.07	-119.47	-110.45	13.37	1235.87	-213.85	195.88	
826.14 652.77											
1	36	212	-84.27	-118.09	-108.21	-94.16	15.38	685.11	-2212.91	-2125.95	
598.15 494.41											
1	36	213	-66.39	-106.67	-96.44	-76.62	17.53	-1.50	-3221.07	-3221.07	-
1.502.02											
1	36	214	-50.86	-101.66	-91.39	-61.12	20.40	-235.16	-3262.11	-3210.33	-
286.94-392.50											
1	36	215	-38.21	-100.02	-93.27	-44.95	19.27	49.83	-2630.46	-2386.92	-
193.71-770.35											

1	36	216	-38.47	-95.85	-88.78	-45.54	18.86	1615.86	-2135.66	-569.23
49.43	-1850.08									
1	36	217	13.12	-92.90	-54.30	-25.49	51.01	2702.70	-1378.80	2660.74
1336.85	-411.68									
1	36	218	-12.18	-23.98	-12.20	-23.97	0.44	929.58	-532.24	145.74
251.60	728.99									
1	36	219	-3.78	-45.15	-3.79	-45.15	-0.57	211.94	-8.32	-8.18
211.79	5.61									
1	36	220	14.90	-1077.35	-13.18	-1049.27	172.87	1.335e+04	-514.42	-447.28
1.329e+04	962.61									
1	36	221	169.79	-1312.93	137.60	-1280.73	-216.11	1.458e+04	253.70	2502.13
1.233e+04	-5210.71									
1	36	222	-196.64	-547.50	-380.92	-363.22	-175.20	9185.54	-1335.42	-685.45
8535.57	-2532.95									
1	36	223	-117.05	-313.07	-235.47	-194.64	-95.86	5806.62	-175.07	-166.02
5797.56	232.60									
1	36	224	-89.07	-221.87	-154.10	-156.84	-66.38	3053.14	-2625.16	-2482.42
2910.41	888.87									
1	36	225	-80.81	-187.00	-115.18	-152.63	-49.68	2141.93	-3304.36	-3093.30
1930.87	1051.16									
1	36	226	-85.43	-173.17	-107.51	-151.09	-38.08	2752.66	-2667.28	-2469.10
2554.49	1017.27									
1	36	227	-113.41	-170.32	-135.83	-147.90	-27.81	5639.26	409.33	563.79
5484.79	885.43									
1	36	228	-130.12	-210.84	-201.24	-139.71	-26.13	7998.10	4480.15	4625.40
7852.85	699.91									
1	36	229	-147.36	-170.14	-151.98	-165.51	-9.16	2902.62	-2090.27	-2044.81
2857.17	474.22									
1	36	230	-123.79	-162.89	-123.95	-162.73	-2.45	1251.69	-3602.66	-3594.71
1243.74	196.29									
1	36	231	-118.16	-156.50	-118.90	-155.75	5.29	1284.08	-3447.09	-3446.31
1283.30	-60.60									
1	36	232	-122.71	-148.29	-127.94	-143.06	10.32	2604.12	-2015.41	-2002.35
2591.06	-245.27									
1	36	233	-104.44	-200.64	-197.08	-108.00	18.17	7314.50	4617.36	4704.81
7227.05	-477.73									
1	36	234	-104.28	-157.53	-149.64	-112.16	18.91	4619.20	605.78	663.55
4561.43	-478.03									
1	36	235	-77.86	-123.05	-100.24	-100.68	22.60	1134.05	-2735.42	-2660.95
1059.58	-531.61									
1	36	236	-59.98	-109.71	-82.52	-87.17	24.76	-327.35	-3730.69	-3637.28
420.77	-556.05									
1	36	237	-49.65	-99.93	-79.81	-69.77	24.63	-789.94	-3721.87	-3608.62
903.19	-564.98									
1	36	238	-47.91	-102.30	-93.07	-57.14	20.41	-458.22	-2868.41	-2728.49
598.14	-563.61									
1	36	239	-21.16	-146.86	-137.09	-30.92	33.64	831.74	-3371.50	-3313.00
773.24	-492.40									
1	36	240	4.70	-108.66	-83.52	-20.45	47.10	1.041e+04	8674.49	1.026e+04
8822.40	-484.64									
1	36	241	-9.08	-44.90	-14.74	-39.24	13.07	1283.24	-1692.76	-1632.36
1222.83	-419.66									
1	36	242	-2.31	-28.36	-2.93	-27.75	-3.96	1424.29	93.29	95.66
1421.93	-56.01									
1	36	243	78.88	-40.76	8.11	30.01	-58.81	767.52	-7431.23	720.49
7384.21	-619.13									
1	36	244	228.44	-155.81	-154.04	226.67	26.04	-3474.50	-8148.55	-3937.17
7685.87	-1395.88									
1	36	245	-18.86	-161.43	-25.02	-155.28	28.97	1524.58	-1566.71	1336.79
1378.92	-738.42									
1	36	246	-66.76	-180.21	-93.40	-153.57	-48.09	964.44	267.24	348.00
883.68	-223.12									
1	36	247	-63.50	-203.20	-111.71	-154.98	-66.41	1369.11	-1757.40	-1728.30
1340.01	300.20									
1	36	248	-67.34	-199.84	-114.57	-152.62	-63.46	1685.38	-2873.31	-2604.10
1416.17	1074.60									
1	36	249	-76.60	-197.80	-118.15	-156.24	-57.53	2402.45	-2686.15	-2025.30
1741.60	1710.58									
1	36	250	-103.74	-195.92	-135.73	-163.93	-43.88	2876.70	-1110.43	27.78

1738.491800.74											
1	36	251	-135.95	-194.43	-152.18	-178.20	-26.19	1261.56	-27.83	-21.91	
1255.64	87.14										
1	36	252	-147.16	-188.18	-168.83	-166.52	-20.48	1875.93	-1977.11	-1939.00	
1837.82	-381.29										
1	36	253	-151.85	-166.90	-155.05	-163.69	-6.16	1368.90	-3389.40	-3384.77	
1364.27	-148.46										
1	36	254	-148.13	-159.54	-152.11	-155.56	5.44	1277.03	-3212.69	-3203.32	
1267.66	204.86										
1	36	255	-137.11	-170.70	-160.88	-146.93	15.28	1532.34	-1823.96	-1765.25	
1473.63	440.00										
1	36	256	-132.15	-158.45	-146.09	-144.51	13.13	669.17	147.68	148.42	
668.43	19.58										
1	36	257	-99.55	-156.89	-139.15	-117.30	26.50	2205.01	-1226.95	38.31	
939.76	-1655.73										
1	36	258	-74.04	-146.88	-125.16	-95.77	33.32	1399.14	-2925.33	-2192.55	
666.37	-1622.32										
1	36	259	-58.16	-131.70	-112.80	-77.06	32.14	433.53	-3603.00	-3219.28	
49.80	-1183.93										
1	36	260	-45.02	-121.59	-107.61	-59.00	29.58	-69.69	-3324.45	-3156.96	-
237.18	-719.08										
1	36	261	-29.08	-124.22	-110.88	-42.41	33.02	-91.52	-2331.51	-2287.68	-
135.35	-310.25										
1	36	262	-14.39	-129.29	-99.62	-44.06	50.29	638.28	-1010.03	-448.70	
76.96	781.12										
1	36	263	-3.94	-73.62	-60.85	-16.71	26.96	2779.75	-1441.46	2698.44	-
1360.15	-580.19										
1	36	264	27.90	-46.49	-12.82	-5.77	37.03	1751.87	-1401.32	136.99	
213.56	-1576.13										
1	36	265	-3.01	-17.77	-4.04	-16.74	3.77	235.35	-64.42	-6.00	
176.93	-118.74										
1	36	266	261.46	2.20	2.20	261.46	-0.48	42.54	-4369.60	29.01	-
4356.06	244.01										
1	36	267	200.46	-14.10	-10.60	196.97	27.18	264.05	-5033.72	-317.07	-
4452.60	1655.59										
1	36	268	1.28	-46.52	-5.18	-40.07	16.34	792.98	-3961.09	48.01	-
3216.12	1728.20										
1	36	269	-19.23	-135.64	-29.83	-125.03	-33.50	113.29	-2522.07	-477.24	-
1931.54	1098.88										
1	36	270	-41.60	-174.17	-67.65	-148.11	-52.68	-251.65	-2343.64	-1605.47	-
989.83	999.67										
1	36	271	-62.88	-189.35	-97.06	-155.17	-56.17	192.73	-2978.59	-2266.67	-
519.19	1323.22										
1	36	272	-83.35	-196.28	-118.19	-161.44	-52.16	551.63	-3053.33	-2090.98	-
410.72	1594.71										
1	36	273	-101.75	-201.44	-131.32	-171.87	-45.54	367.48	-2442.76	-1571.01	-
504.27	1299.95										
1	36	274	-120.09	-203.05	-145.17	-177.97	-38.10	-69.71	-1921.02	-1474.64	-
516.09	791.92										
1	36	275	-142.02	-200.85	-159.49	-183.38	-26.88	-125.79	-2487.69	-2485.34	-
128.13	-74.42										
1	36	276	-156.44	-181.46	-163.38	-174.52	-11.20	48.07	-3413.64	-3406.86	
41.29	-152.99										
1	36	277	-161.60	-167.75	-164.30	-165.05	3.06	-110.74	-3216.09	-3215.90	-
110.93	-24.65										
1	36	278	-145.39	-174.12	-162.25	-157.26	14.14	-476.15	-2245.96	-2239.17	-
482.94	-109.45										
1	36	279	-122.90	-164.30	-152.85	-134.35	18.52	-288.53	-1937.45	-1215.90	-
1010.08	-818.01										
1	36	280	-105.29	-158.69	-144.75	-119.24	23.45	65.02	-2516.73	-1425.27	-
1026.45	-1275.38										
1	36	281	-85.03	-148.67	-137.35	-96.35	24.33	139.25	-3270.44	-2228.76	-
902.43	-1570.58										
1	36	282	-65.81	-136.33	-126.05	-76.09	24.89	-152.69	-3495.30	-2862.38	-
785.61	-1309.59										
1	36	283	-48.81	-124.69	-113.66	-59.84	26.75	-337.43	-3093.31	-2734.52	-
696.23	-927.40										
1	36	284	-34.64	-112.41	-99.32	-47.72	29.10	-422.23	-2008.99	-1790.45	-
640.77	-546.82										

1	36	285	-3.48	-110.37	-83.12	-30.74	46.58	-3.81	-808.75	-36.52	-776.04-158.93
1	36	286	19.86	-77.09	-41.46	-15.78	46.74	927.49	-1149.63	834.85	-1056.98-428.77
1	36	287	53.43	-27.45	-7.23	33.21	35.02	729.34	-1267.27	224.31	-762.23-867.93
1	36	288	57.66	-0.19	-0.17	57.64	-1.04	-6.61	-742.69	-20.79	-728.51-101.19
1	36	289	268.50	-0.69	-0.69	268.50	4.70e-02	-0.53	-2899.37	-49.29	-2850.62 372.75
1	36	290	197.33	-4.41	-3.29	196.22	14.96	1339.39	-3732.37	359.71	-2752.692002.23
1	36	291	24.66	-11.26	3.99	9.41	17.75	665.52	-4397.66	-654.06	-3078.092222.60
1	36	292	-17.74	-90.86	-18.05	-90.55	-4.74	-102.46	-4162.09	-1256.04	-3008.511830.95
1	36	293	-49.75	-139.11	-56.02	-132.83	-22.84	-656.17	-3955.92	-1939.00	-2673.091608.52
1	36	294	-78.25	-165.06	-93.29	-150.02	-32.86	-804.96	-3989.39	-2422.08	-2372.281592.02
1	36	295	-100.74	-183.91	-122.21	-162.44	-36.40	-822.84	-3954.12	-2527.28	-2249.691559.48
1	36	296	-120.33	-197.43	-142.22	-175.54	-34.76	-1033.07	-3667.40	-2497.18	-2203.291308.94
1	36	297	-139.87	-204.34	-157.09	-187.12	-28.53	-1465.36	-3303.51	-2748.06	-2020.81 844.08
1	36	298	-154.74	-201.64	-166.64	-189.73	-20.41	-1601.35	-3388.69	-3313.94	-1676.11357.81
1	36	299	-168.78	-189.88	-174.17	-184.49	-9.20	-1400.44	-3832.90	-3830.76	-1402.58 -72.16
1	36	300	-172.19	-177.48	-176.79	-172.89	1.79	-1516.87	-3679.47	-3610.64	-1585.69 -379.61
1	36	301	-155.96	-179.50	-175.12	-160.35	9.17	-1608.07	-3342.89	-2899.08	-2051.88-756.95
1	36	302	-137.44	-175.81	-170.78	-142.46	12.95	-1362.44	-3370.14	-2242.29	-2490.28-996.16
1	36	303	-113.49	-167.12	-162.53	-118.08	15.01	-1124.16	-3566.93	-2110.48	-2580.61-1198.55
1	36	304	-90.83	-153.78	-150.46	-94.15	14.06	-1184.36	-3608.51	-2453.05	-2339.83-1210.75
1	36	305	-71.24	-136.19	-133.52	-73.91	12.91	-1335.07	-3522.39	-2763.48	-2093.98-1041.17
1	36	306	-55.60	-116.12	-113.15	-58.57	13.07	-1200.44	-3054.71	-2563.94	-1691.21-818.03
1	36	307	-40.70	-95.36	-92.20	-43.86	12.76	-791.09	-2105.17	-1584.63	-1311.63-642.71
1	36	308	-14.37	-77.95	-69.37	-22.94	21.72	375.66	-1081.44	215.83	-921.61-455.35
1	36	309	15.03	-54.35	-35.92	-3.40	30.64	414.28	-1176.42	270.56	-1032.70-456.02
1	36	310	50.75	-12.38	-8.26	46.62	15.60	351.00	-962.36	157.04	-768.41-465.96
1	36	311	86.70	-1.64	-1.63	86.69	-0.75	-19.46	-829.15	-27.17	-821.44-78.61
1	36	312	266.12	-2.02	-2.01	266.11	1.16	7.54	-2530.64	-29.17	-2493.93 303.05
1	36	313	178.95	-19.01	-17.60	177.54	16.65	959.37	-3098.72	381.09	-2520.441418.56
1	36	314	44.93	-42.48	-11.99	14.44	41.66	-90.87	-4520.70	-943.07	-3668.511746.09
1	36	315	-7.33	-103.21	-36.49	-74.05	44.11	-663.93	-5305.31	-1691.64	-4277.61 1927.12
1	36	316	-55.71	-132.31	-72.40	-115.62	31.62	-1138.73	-5449.70	-2376.72	-4211.721950.46
1	36	317	-101.96	-143.66	-108.55	-137.06	15.22	-1526.04	-5343.36	-2870.48	-3998.921823.36
1	36	318	-140.05	-154.87	-140.41	-154.50	2.30	-1813.99	-5158.65	-3076.53	-3896.11 1621.34
1	36	319	-163.18	-174.69	-164.61	-173.25	-3.80	-2036.67	-4999.01	-3176.64	-

3859.041441.34										
1	36	320	-178.90	-190.10	-180.50	-188.50	-3.91	-2288.00	-4839.86	-3540.12	-
3587.75 1275.71										
1	36	321	-188.81	-194.57	-188.85	-194.54	-0.47	-2496.66	-4682.18	-4198.74	-
2980.11 907.11										
1	36	322	-190.05	-193.23	-193.19	-190.09	-0.35	-2445.27	-4749.85	-4748.61	-
2446.52 53.56										
1	36	323	-177.39	-196.99	-196.91	-177.47	-1.25	-2353.08	-4797.90	-4413.49	-
2737.49-889.97										
1	36	324	-162.04	-199.76	-199.76	-162.05	0.47	-2008.88	-5013.86	-3487.07	-
3535.67-1502.29										
1	36	325	-138.56	-199.03	-198.71	-138.88	4.40	-1776.30	-5067.03	-2597.56	-
4245.77-1424.11										
1	36	326	-110.94	-187.77	-187.57	-111.14	3.94	-1876.04	-4810.22	-2325.88	-
4360.38-1057.15										
1	36	327	-86.12	-166.45	-166.44	-86.13	-0.86	-2250.71	-4300.04	-2580.51	-
3970.24-753.06										
1	36	328	-67.42	-139.98	-139.04	-68.36	-8.20	-2508.76	-3886.61	-2832.47	-
3562.89-584.16										
1	36	329	-52.53	-114.86	-110.92	-56.47	-15.17	-2341.11	-3321.27	-2658.37	-
3004.01-458.60										
1	36	330	-37.33	-93.82	-87.13	-44.02	-18.25	-1464.02	-2423.17	-1631.42	-
2255.77-364.05										
1	36	331	-3.78	-99.35	-97.53	-5.60	-13.08	265.93	-1485.15	191.47	-
1410.70 -353.31										
1	36	332	-4.05	-40.50	-40.46	-4.09	-1.22	390.93	-1146.81	348.63	-
1104.51-251.52										
1	36	333	39.23	-8.97	-8.81	39.07	2.78	166.52	-757.47	156.16	-
747.11-97.30										
1	36	334	79.89	-2.10	-2.10	79.88	-0.61	-26.54	-787.52	-28.27	-
785.78-36.32										
1	36	335	155.97	-2.42	-2.42	155.97	0.85	5.17	-1414.68	-33.00	-
1376.50 229.66										
1	36	336	115.71	-21.78	-5.14	99.06	44.85	668.03	-1610.10	371.65	-
1313.72766.39										
1	36	337	53.51	-93.69	-39.17	-1.01	71.09	652.07	-2445.37	49.10	-
1842.41 1226.41										
1	36	338	24.10	-170.05	-75.22	-70.73	97.05	794.17	-3390.08	-749.03	-
1846.882018.83										
1	36	339	-20.15	-188.01	-115.01	-93.16	83.22	466.90	-4056.09	-1906.51	-
1682.672258.73										
1	36	340	-68.22	-192.28	-148.57	-111.93	59.26	117.93	-4217.58	-2651.43	-
1448.222082.60										
1	36	341	-111.80	-199.36	-174.78	-136.39	39.35	-73.29	-3932.37	-2857.79	-
1147.88 1729.79										
1	36	342	-147.50	-214.53	-199.56	-162.46	27.91	-22.68	-3519.02	-2580.54	-
961.161549.36										
1	36	343	-174.26	-233.01	-219.82	-187.44	24.51	217.25	-4053.28	-3064.49	-
771.551801.37										
1	36	344	-175.21	-253.69	-245.49	-183.41	24.01	414.82	-4877.97	-4350.02	-
113.131586.06										
1	36	345	-173.19	-259.58	-258.50	-174.26	9.59	314.12	-5602.12	-5595.88	
307.87 192.08										
1	36	346	-163.74	-256.12	-255.27	-164.59	-8.82	513.80	-5414.35	-5005.98	
105.43-1501.36										
1	36	347	-156.09	-243.63	-241.08	-158.64	-14.73	918.02	-4572.71	-3099.72	-
554.97-2432.71										
1	36	348	-141.06	-219.59	-219.05	-141.60	-6.46	622.46	-3351.16	-1364.62	-
1364.07-1986.81										
1	36	349	-102.17	-204.58	-203.72	-103.03	-9.37	-280.64	-2116.46	-933.45	-
1463.66-878.79										
1	36	350	-70.46	-185.65	-182.92	-73.19	-17.50	-1140.59	-1960.84	-1770.69	-
1330.74 -346.14										
1	36	351	-43.34	-169.20	-161.93	-50.61	-29.35	-1236.94	-2360.56	-2299.09	-
1298.41 -255.52										
1	36	352	-22.35	-154.89	-138.87	-38.38	-43.21	-1117.54	-2239.00	-2197.91	-
1158.62 -210.68										
1	36	353	-11.68	-140.06	-115.83	-35.90	-50.23	-920.48	-1421.37	-1377.61	-
964.24-141.45										

1	36	354	-2.92	-121.54	-88.75	-35.71	-53.05	342.73	-958.68	210.01	-825.96
-393.84											
1	36	355	-4.02	-69.88	-52.60	-21.30	-28.97	801.15	-1036.80	799.25	-1034.90
-59.00											
1	36	356	22.39	-18.46	-5.96	9.89	-18.83	285.37	-773.66	184.53	-672.83
310.84											
1	36	357	39.48	-1.31	-1.03	39.20	3.37	-22.84	-670.91	-22.84	-670.91
-1.38											
1	36	358	-1.62	-15.16	-3.52	-13.25	4.71	462.58	-58.33	15.12	389.14
181.28											
1	36	359	37.35	-47.12	-20.66	10.89	39.18	433.85	135.30	234.38	334.77
140.58											
1	36	360	31.35	-224.69	-135.82	-57.52	121.89	3422.42	-2011.46	491.06	919.89
2708.47											
1	36	361	3.38	-241.68	-173.20	-65.10	109.97	2364.36	-3158.20	-1523.31	729.47
2521.10											
1	36	362	-42.15	-230.20	-192.33	-80.02	75.42	2210.02	-3825.16	-2469.65	854.51
2518.60											
1	36	363	-94.13	-233.04	-212.22	-114.96	49.59	2677.62	-3823.47	-2957.77	1811.92
2208.74											
1	36	364	-135.61	-242.26	-223.86	-154.01	40.29	3128.23	-2132.12	-1775.78	2771.89
1321.92											
1	36	365	-165.80	-325.87	-316.87	-174.80	36.88	4272.59	-5496.64	-4740.68	3516.63
2610.31											
1	36	366	-146.76	-340.89	-339.94	-147.71	13.51	2858.79	-7103.86	-7101.27	2856.19
160.71											
1	36	367	-138.70	-333.52	-328.75	-143.48	-30.13	3205.26	-6647.54	-6281.88	2839.61
-1862.53											
1	36	368	-141.23	-300.93	-289.85	-152.31	-40.58	5049.01	-4724.62	-2834.19	3158.58
-3860.39											
1	36	369	-94.55	-215.24	-209.21	-100.59	-26.30	2192.90	806.19	930.07	2069.01
-395.54											
1	36	370	-51.64	-204.78	-197.40	-59.02	-32.79	1404.81	-1248.17	-1192.84	1349.48
-379.12											
1	36	371	-18.77	-188.70	-175.05	-32.43	-46.20	653.67	-1945.15	-1885.86	594.38
-388.03											
1	36	372	-0.61	-177.38	-155.63	-22.36	-58.07	265.58	-1907.82	-1867.25	225.01
-294.14											
1	36	373	2.87	-174.76	-140.85	-31.03	-69.81	229.95	-1406.39	-1349.28	172.84
-300.32											
1	36	374	4.80	-166.68	-113.93	-47.94	-79.14	1074.41	-1093.27	-128.68	109.82
-1077.26											
1	36	375	-5.83	-47.38	-24.43	-28.78	-20.67	1277.79	-896.96	181.16	199.68
1087.33											
1	36	376	-3.59	-76.50	-3.75	-76.35	-3.40	248.10	-12.61	-8.63	244.12
31.97											
1	36	377	-2.82	-113.89	-74.65	-42.06	53.09	2795.95	-689.83	2195.38	-89.26
1316.35											
1	36	378	-158.39	-282.36	-274.57	-166.18	30.08	3177.48	-2278.76	-1159.69	2058.41
2203.09											
1	36	379	-125.44	-245.37	-243.43	-127.38	-15.13	3905.51	-533.26	1983.56	1388.68
-2199.36											
1	36	380	-40.47	-76.74	-62.81	-54.40	-17.64	2662.78	-1005.05	2656.92	-999.19
-146.48											
1	36	381	-0.11	-41.71	-2.58	-39.24	9.83	2573.68	-37.66	0.72	2535.30
314.24											
1	36	382	-1.66	-47.96	-9.23	-40.40	17.11	3074.14	-1928.86	-1375.49	2520.76
1569.18											
1	36	383	14.36	-129.47	-89.40	-25.70	64.48	1.062e+04	6927.40	8458.44	9090.47
1819.82											
1	36	384	11.76	-202.80	-164.88	-26.16	81.85	4324.33	-780.00	-110.31	3654.65
1723.32											
1	36	385	27.91	-251.01	-194.36	-28.74	112.22	3047.99	-2040.75	-923.25	1930.48
2106.63											
1	36	386	2.92	-266.73	-223.26	-40.55	99.15	3578.97	-3495.63	-1467.06	1550.40
3199.41											
1	36	387	-61.68	-290.95	-271.13	-81.51	64.44	5350.61	-5379.52	-3030.53	3001.63
4437.03											
1	36	388	-86.89	-320.06	-300.90	-106.05	64.03	8537.07	-5521.29	-4202.45	7218.23
4098.95											

1	36	389	-106.20	-385.31	-373.63	-117.87	55.88	1.543e+04	5153.59	5795.47
1.479e+042487.12										
1	36	390	-111.80	-428.58	-427.14	-113.24	21.31	5245.07	-8492.01	-8441.65
5194.70 830.28										
1	36	391	-98.45	-446.57	-446.56	-98.45	-1.48	3042.17	-9185.38	-9179.36
3036.15 -271.30										
1	36	392	-89.00	-428.92	-421.50	-96.42	-49.67	3585.10	-8553.16	-8378.70
3410.65-1444.70										
1	36	393	-75.88	-383.06	-373.34	-85.60	-53.77	6086.62	-6465.87	-5779.75
5400.50-2853.38										
1	36	394	-65.19	-317.93	-296.73	-86.39	-70.06	1.603e+04	9112.19	1.102e+04
1.412e+04-3093.76										
1	36	395	-53.32	-234.45	-214.42	-73.35	-56.80	7501.97	-274.77	735.11
6492.10-2614.13										
1	36	396	-17.66	-215.78	-197.06	-36.39	-57.96	3879.24	-1320.39	-609.60
3168.45-1786.23										
1	36	397	14.76	-189.84	-162.51	-12.57	-69.60	2087.07	-1667.37	-1264.84
1684.53-1161.57										
1	36	398	21.69	-171.64	-141.01	-8.94	-70.59	1191.16	-1510.57	-1356.13
1036.73 -627.21										
1	36	399	6.02	-160.48	-131.73	-22.73	-62.94	985.06	-1190.04	-1164.64
959.67 -233.64										
1	36	400	-29.88	-126.17	-111.31	-44.74	-34.78	1757.34	-2186.51	-2186.51
1757.34 1.53										
1	36	401	-18.06	-82.61	-68.77	-31.91	-26.50	9686.79	8928.53	9679.62
8935.70 -73.39										
1	36	402	-10.74	-50.96	-11.32	-50.38	-4.80	1724.84	-1744.83	-1737.46
1717.47 -159.74										
1	36	403	1.00	-45.33	-2.39	-41.94	-12.06	1845.11	112.60	113.23
1844.49 -32.91										
1	36	404	-7.53	-36.91	-7.54	-36.90	-0.70	1407.74	-125.77	-73.06
1355.02 279.39										
1	36	405	13.06	-37.66	-1.70	-22.90	-23.04	3268.45	-382.07	1210.06
1676.32 1810.31										
1	36	406	-5.66	-81.27	-76.18	-10.76	18.95	2498.40	-1897.24	1599.95	-
998.801772.58										
1	36	407	-0.93	-137.45	-113.97	-24.40	51.51	1476.20	-397.06	951.97
127.18 840.96										
1	36	408	22.62	-162.03	-115.71	-23.70	80.05	2530.55	-1364.62	340.64
825.29 1932.45										
1	36	409	-9.56	-252.59	-238.18	-23.97	57.39	5201.06	-1862.13	1349.01
1989.923517.03										
1	36	410	-5.95	-359.56	-357.22	-8.29	28.65	5346.87	-5469.91	-1425.04
1302.005233.69										
1	36	411	-12.23	-417.75	-416.31	-13.67	24.14	2247.50	-9948.22	-5967.11	-
1733.615718.68										
1	36	412	-31.37	-543.63	-541.76	-33.24	30.84	-3007.59	-8558.65	-7659.53	-
3906.712045.15										
1	36	413	-24.13	-583.14	-582.58	-24.69	17.69	-716.06	-8880.02	-8862.82	-
733.27-374.36										
1	36	414	-7.94	-564.23	-564.15	-8.02	6.51	-542.32	-1.049e+04	-1.045e+04	-
582.65-632.23										
1	36	415	0.15	-524.36	-520.40	-3.80	-45.37	-987.91	-1.042e+04	-1.028e+04	-
1129.54-1147.32										
1	36	416	-17.01	-449.92	-446.47	-20.46	-38.49	-603.15	-6949.02	-6490.33	-
1061.84-1643.28										
1	36	417	-17.03	-414.13	-409.39	-21.76	-43.12	2944.58	-3372.65	1017.62	-
1445.69-2908.59										
1	36	418	-15.41	-286.61	-285.19	-16.83	-19.54	6944.41	-1882.23	3570.46
1491.72-4289.19										
1	36	419	-17.68	-136.52	-129.42	-24.78	-28.16	3547.13	-1944.69	529.32
1073.12-2732.41										
1	36	420	2.80	-100.33	-82.38	-15.15	-39.10	1954.66	-1502.80	-346.66
798.52 -1631.15										
1	36	421	8.73	-90.94	-70.46	-11.75	-40.27	1098.02	-981.69	-548.77
665.10 -844.35										
1	36	422	13.59	-100.19	-75.20	-11.40	-47.11	574.43	-545.50	-518.52
547.45 -171.71										
1	36	423	-5.25	-102.48	-95.08	-12.66	-25.79	1368.20	-676.84	441.31

250.06	1018.04										
1	36	424	-2.82	-70.55	-68.70	-4.67	-11.06	1696.83	-1689.10	1694.73	-
1686.99	-84.37										
1	36	425	10.04	-30.54	-1.56	-18.94	18.33	1443.49	-565.77	425.62	
452.09	-1004.54										
1	36	426	-5.07	-12.87	-5.45	-12.48	1.69	466.37	-66.23	-60.63	
460.76	-54.33										
1	36	427	7.65	4.21	4.24	7.62	0.32	30.49	-15.60	30.48	-
15.59	-0.64										
1	36	428	-5.20	-28.90	-28.81	-5.29	-1.41	721.54	-140.99	650.94	-
70.40	236.45										
1	36	429	-3.61	-100.25	-100.07	-3.80	4.21	1605.54	-140.84	1529.00	-
64.30	357.52										
1	36	430	-3.58	-175.39	-175.12	-3.84	6.76	1024.94	-145.01	872.22	
7.72	394.15										
1	36	431	2.47	-150.82	-150.78	2.43	-2.47	871.95	-369.70	572.58	-
70.33	531.12										
1	36	432	-4.40	-193.91	-193.82	-4.50	4.29	1543.41	-765.87	1164.16	-
386.62	855.55										
1	36	433	0.31	-339.39	-338.52	-0.56	17.13	376.53	-2001.78	-1398.44	-
226.81	1034.85										
1	36	434	-6.07	-528.34	-527.75	-6.65	-17.49	602.82	-6075.12	-5928.67	
456.37	978.02										
1	36	435	-4.05	-517.37	-517.36	-4.06	2.71	338.65	-7744.27	-7685.53	
279.91	686.52										
1	36	436	-8.67	-637.34	-637.08	-8.93	12.91	126.67	-8902.59	-8896.34	
120.42	237.46										
1	36	437	-0.50	-555.52	-555.52	-0.50	0.65	60.82	-1.036e+04	-1.036e+04	
60.66	-39.96										
1	36	438	-2.88	-524.86	-524.71	-3.02	8.71	109.19	-1.012e+04	-1.011e+04	
103.57	-239.65										
1	36	439	-9.33	-547.81	-547.60	-9.54	-10.66	268.18	-6216.50	-6166.08	
217.76	-569.55										
1	36	440	-2.46	-367.41	-367.19	-2.68	-8.86	1112.13	-561.29	723.07	-
172.24	-706.89										
1	36	441	-7.63	-296.98	-296.81	-7.80	7.00	3136.93	-383.44	2954.63	-
201.15	-780.06										
1	36	442	5.35	-149.22	-149.15	5.28	3.19	1151.24	-330.81	828.71	-
8.29	-611.53										
1	36	443	-0.11	-72.70	-72.67	-0.13	1.27	243.93	-529.47	-255.05	-
30.49	-370.04										
1	36	444	-1.86	-55.72	-55.72	-1.87	-0.37	35.95	-590.97	-502.10	-
52.92	-218.67										
1	36	445	-1.68	-76.19	-76.19	-1.68	0.27	-26.00	-447.84	-420.69	-
53.15	-103.53										
1	36	446	-10.35	-141.50	-141.35	-10.50	-4.43	543.02	-55.50	543.02	-
55.50	-1.03										
1	36	447	-7.69e-02	-74.04	-71.09	-3.02	-14.47	1503.41	105.33	1502.99	
105.75	-24.29										
1	36	448	-2.18	-10.36	-10.23	-2.32	-1.05	381.46	14.97	373.24	
23.19	-54.26										
1	36	449	10.92	4.07	5.41	9.58	-2.72	-14.39	-68.89	-47.27	-
36.01	26.67										
1	101	13	7.68	0.73	2.09	6.32	-2.75	122.06	-36.75	1.16	
84.15	-67.70										
1	101	14	-6.09	-8.20	-7.82	-6.48	0.82	492.89	195.61	439.32	
249.18	-114.26										
1	101	15	-1.45	-62.88	-60.04	-4.30	-12.91	1401.59	7.66	1398.33	
10.93	-67.40										
1	101	16	-5.87	-102.86	-102.60	-6.13	-4.99	625.46	4.75	599.13	
31.08	125.10										
1	101	17	-2.94	-14.41	-14.08	-3.28	-1.93	-52.26	-795.13	-768.47	-
78.92	138.19										
1	101	18	21.03	-2.69	20.94	-2.60	-1.44	-103.15	-1163.56	-1163.38	-
103.33	-13.84										
1	101	19	-0.24	-2.66	-1.07	-1.82	1.15	-35.58	-768.44	-724.62	-
79.40	-173.76										
1	101	20	-3.05	-63.54	-63.04	-3.55	5.45	703.58	3.12	676.51	
30.19	-135.00										

1	101	21	-5.14	-78.14	-77.45	-5.82	-7.02	1382.24	-91.47	1380.84	-90.0745.40
1	101	22	-3.95	-66.06	-65.97	-4.04	-2.35	417.52	-316.93	112.79	-12.20361.87
1	101	23	1.05	-2.64	1.01	-2.59	0.42	-34.33	-1200.61	-1148.34	-86.60241.29
1	101	24	-2.17	-8.82	-8.50	-2.49	1.43	-78.22	-1071.23	-1071.02	-78.4314.38
1	101	25	-3.83	-72.73	-72.47	-4.08	4.21	114.70	-44.05	77.38	-6.72-67.32
1	101	26	-5.43	-78.01	-77.86	-5.58	3.32	1283.56	-84.83	1275.35	-76.62105.67
1	101	27	-4.23	-67.42	-67.22	-4.43	-3.57	667.52	-129.07	491.49	46.96 330.51
1	101	28	11.21	-2.37	11.18	-2.34	-0.59	69.21	-1170.45	-1043.52	-57.72375.81
1	101	29	62.84	-2.64	62.84	-2.63	0.68	-50.66	-1642.76	-1613.41	-80.01214.15
1	101	30	79.83	-3.07	79.76	-3.01	2.35	-44.07	-1764.48	-1762.81	-45.7553.72
1	101	31	73.71	-3.56	73.70	-3.55	0.91	6.17	-1818.70	-1813.71	1.17 -95.37
1	101	32	7.67	-2.80	7.33	-2.46	1.86	241.84	-916.20	-859.16	184.81-250.59
1	101	33	10.58	-23.56	-10.18	-2.81	16.67	1203.78	-57.80	1199.94	-53.95-69.52
1	101	34	-1.04	-11.87	-1.04	-11.86	5.13e-02	514.81	87.81	513.19	89.44 26.29
1	101	35	10.34	-0.13	0.48	9.73	2.45	-17.16	-34.89	-17.18	-34.88-0.46
1	101	36	-3.82	-14.69	-4.67	-13.84	2.91	803.88	44.75	103.02	745.62-202.08
1	101	37	3.26	-35.71	-14.22	-18.23	19.38	1784.13	-773.20	500.87	510.06-1278.66
1	101	38	1.96	-61.88	-61.48	1.56	-5.03	1715.93	-2295.87	1694.29	-2274.23 293.89
1	101	39	0.39	-75.70	-69.20	-6.11	-21.27	3372.62	-1821.04	898.09	653.49 2593.95
1	101	40	12.20	-54.46	-35.95	-6.31	-29.86	2298.90	-1685.12	-820.59	1434.371642.22
1	101	41	-6.86	-16.94	-13.65	-10.15	-4.73	1781.97	-1238.01	-1114.08	1658.05 599.07
1	101	42	8.54	-38.28	-21.86	-7.87	22.34	1745.05	-938.13	-830.15	1637.07-527.32
1	101	43	13.77	-69.05	-58.17	2.89	27.98	2619.54	-512.12	1300.51	806.90-1546.26
1	101	44	-0.65	-86.91	-84.89	-2.67	-13.04	1992.78	-1943.62	1651.39	-1602.23 1107.83
1	101	45	-4.16	-66.75	-62.57	-8.34	-15.62	3362.49	-1605.14	290.43	1466.93 2413.15
1	101	46	-9.41	-33.29	-32.89	-9.81	-3.05	2070.75	-1359.17	-1109.68	1821.27 890.78
1	101	47	9.06	-54.38	-36.90	-8.42	28.34	1838.41	-1192.72	-1090.10	1735.79 -548.21
1	101	48	3.06	-76.52	-63.76	-9.70	29.20	2680.45	-1156.14	216.44	1307.87-1839.03
1	101	49	2.17	-83.78	-78.40	-3.21	20.82	1610.32	-1969.37	1528.13	-1887.18 -536.15
1	101	50	8.42	-54.79	-48.19	1.83	-19.33	3007.30	-1401.24	1052.09	553.97 2190.15
1	101	51	16.79	-21.55	2.98	-7.73	-18.40	1824.39	-1671.95	-1155.84	1308.29 1240.21
1	101	52	37.31	-8.68	36.97	-8.34	-3.93	1330.19	-1574.95	-1551.90	1307.14 257.74
1	101	53	48.57	-7.70	48.56	-7.70	-0.34	1270.50	-1776.37	-1673.53	1167.66 -550.25
1	101	54	41.30	-7.80	40.09	-6.59	7.61	1388.30	-2291.39	-1818.93	915.85-1230.97
1	101	55	14.95	-32.40	4.24	-21.69	19.81	2153.75	-3114.45	-1171.55	

210.86	-2541.80									
1	101	56	4.10	-36.90	-30.56	-2.23	14.82	1743.07	-2588.92	1643.63
2489.48	-648.78									
1	101	57	5.89	-31.29	-23.85	-1.55	-14.87	1743.68	-678.44	646.51
418.73	1205.69									
1	101	58	-2.24	-10.48	-2.59	-10.13	-1.67	590.77	5.58	56.22
540.13	164.53									
1	101	59	-3.06	-92.55	-3.97	-91.64	-8.98	3471.97	-4.81	-3.81
3470.97	58.99									
1	101	60	-4.66	-98.20	-4.94	-97.93	5.02	3632.51	-2433.57	-2323.48
3522.42	809.75									
1	101	61	-38.90	-71.94	-56.25	-54.59	-16.50	1.549e+04	1.294e+04	1.364e+04
1.479e+04	1138.25									
1	101	62	-28.45	-101.04	-85.05	-44.44	-30.08	6838.13	-485.17	-160.25
6513.21	1507.95									
1	101	63	-15.02	-102.25	-75.36	-41.90	-40.28	4460.29	-1891.61	-1585.38
4154.07	1360.64									
1	101	64	-27.35	-72.34	-64.04	-35.65	-17.45	4002.10	-2105.20	-1975.18
3872.09	881.56									
1	101	65	-38.16	-60.59	-53.96	-44.79	10.23	5199.89	-1556.39	-1531.90
5175.40	406.00									
1	101	66	-38.00	-70.62	-45.03	-63.60	13.41	9312.98	640.73	649.58
9304.12	276.91									
1	101	67	-64.77	-72.00	-67.61	-69.16	3.53	1.826e+04	1.406e+04	1.419e+04
1.812e+04	733.66									
1	101	68	-51.00	-81.25	-81.22	-51.04	-1.02	7329.94	-1418.47	-1330.97
7242.45	870.51									
1	101	69	-39.42	-85.19	-84.38	-40.23	6.02	4736.34	-2159.70	-2114.99
4691.64	553.42									
1	101	70	-24.89	-99.38	-83.20	-41.07	30.72	4917.43	-2008.59	-2007.72
4916.56	-77.60									
1	101	71	-31.82	-94.60	-78.94	-47.49	27.17	7311.09	-1363.25	-1348.13
7295.96	-361.86									
1	101	72	-40.49	-79.40	-56.74	-63.15	19.19	1.818e+04	1.435e+04	1.436e+04
1.817e+04	-259.29									
1	101	73	-29.76	-52.97	-29.78	-52.95	0.70	8874.06	352.20	358.40
8867.87	229.71									
1	101	74	-24.91	-40.27	-33.82	-31.36	-7.58	4425.11	-1840.08	-1837.46
4422.48	128.24									
1	101	75	-12.60	-37.81	-37.51	-12.90	2.72	2565.91	-2414.01	-2391.57
2543.47	-333.53									
1	101	76	-6.11	-46.45	-45.44	-7.12	6.30	1868.59	-2620.91	-2453.85
1701.53	-849.76									
1	101	77	-20.72	-61.20	-60.53	-21.39	5.17	1888.88	-2880.07	-2543.91
1552.72	-1220.71									
1	101	78	-58.96	-81.13	-67.43	-72.66	10.77	3078.88	-4524.81	-4280.36
2834.43	-1341.26									
1	101	79	-16.33	-85.85	-44.89	-57.29	34.20	1.447e+04	1.261e+04	1.371e+04
1.337e+04	-918.51									
1	101	80	2.37	-102.63	2.13	-102.39	5.09	2815.40	-2020.59	-1955.36
2750.17	-557.82									
1	101	81	-4.24	-106.83	-4.78	-106.30	7.36	2752.78	-28.64	-25.77
2749.90	-89.34									
1	101	82	-30.85	-117.63	-48.48	-100.00	-34.91	4740.38	-841.00	3678.17
221.21	2190.96									
1	101	83	-73.38	-138.18	-73.42	-138.14	-1.50	4334.70	1926.66	3875.97
2385.39	945.62									
1	101	84	-58.50	-124.61	-64.88	-118.23	19.53	3988.06	2055.14	3832.91
2210.29	-525.19									
1	101	85	-14.13	-136.60	-49.66	-101.06	55.58	3780.24	-1160.34	3589.18
969.28	-952.60									
1	101	86	-1.83	-138.18	-2.01	-138.00	-4.95	965.55	-133.48	18.12
813.95	378.99									
1	101	87	-9.78	-90.62	-25.04	-75.37	-31.63	4029.79	-2992.18	299.55
738.05	3504.13									
1	101	88	9.39	-184.06	-73.95	-100.72	-95.79	2128.11	1257.79	1263.34
2122.55	69.31									
1	101	89	-9.72	-152.90	-74.91	-87.71	-71.30	2088.10	-1759.76	-1608.43
1936.77	747.93									

1	101	90	-43.03	-110.33	-72.03	-81.34	-33.33	2300.16	-2614.24	-2245.88 1931.80 1294.06
1	101	91	-67.82	-99.48	-67.82	-99.48	3.04e-03	3465.27	-2198.51	-1402.15 2668.92 1968.81
1	101	92	-57.39	-132.68	-58.21	-131.87	7.78	5277.12	-204.28	1786.74 3286.10 2636.17
1	101	93	-81.64	-127.00	-96.26	-112.39	-21.20	4174.20	31.46	555.47 3650.18 -1377.05
1	101	94	-81.54	-103.16	-103.16	-81.55	0.25	2806.46	-2149.03	-2146.83 2804.26 -104.34
1	101	95	-58.57	-127.31	-101.55	-84.33	33.27	2973.91	-2089.24	-1990.53 2875.20 700.04
1	101	96	-53.36	-143.72	-91.22	-105.87	44.58	4462.92	-260.06	588.83 3614.03 1813.47
1	101	97	-47.17	-105.40	-47.53	-105.04	4.54	4715.41	-54.63	1577.42 3083.37 -2263.04
1	101	98	-55.30	-64.28	-55.44	-64.13	1.14	2920.84	-2453.78	-1769.06 2236.13 -1791.99
1	101	99	-27.32	-71.20	-64.57	-33.95	15.71	1562.95	-3272.78	-2850.53 1140.70 -1365.13
1	101	100	-12.18	-86.40	-73.70	-24.88	27.96	987.25	-3337.07	-2933.85 584.03 -1257.41
1	101	101	-14.14	-109.43	-83.94	-39.63	42.18	817.39	-2760.90	-2438.94 495.43 -1023.92
1	101	102	3.93	-169.28	-87.32	-78.03	86.48	488.80	-1117.19	-1031.08 402.69 361.77
1	101	103	-12.03	-121.07	-27.85	-105.26	38.40	3277.93	-1981.42	668.81 627.71 -2629.59
1	101	104	-3.16	-184.12	-3.35	-183.93	5.80	745.00	-97.99	23.77 623.25 -296.34
1	101	105	43.47	-3.14	-3.12	43.46	0.74	2.14	-1822.48	-58.22 - 1762.12 326.33
1	101	106	54.43	-47.46	-3.90	10.86	-50.41	2175.97	-3504.34	407.27 - 1735.63 2630.30
1	101	107	40.16	-130.66	-13.21	-77.29	-79.17	1793.12	-4024.00	339.12 - 2570.00 2518.72
1	101	108	27.83	-183.00	-25.84	-129.33	-91.84	85.88	-3035.22	-512.39 - 2436.95 1228.55
1	101	109	-11.54	-161.76	-47.32	-125.98	-63.99	-883.97	-2962.92	-1806.41 - 2040.49 1032.87
1	101	110	-49.19	-134.04	-64.44	-118.78	-32.58	-512.33	-3567.70	-2270.74 - 1809.29 1510.16
1	101	111	-71.00	-125.23	-73.16	-123.07	-10.61	283.65	-3696.10	-1615.01 - 1797.44 1987.78
1	101	112	-75.55	-139.14	-75.55	-139.13	0.32	938.07	-3065.65	-155.58 - 1972.01 1783.98
1	101	113	-88.44	-147.27	-89.35	-146.36	-7.27	366.20	-2291.51	239.24 - 2164.56 566.82
1	101	114	-95.35	-132.74	-97.87	-130.23	-9.37	-604.48	-1745.97	-733.02 - 1617.42 -360.85
1	101	115	-100.51	-111.40	-104.28	-107.63	5.18	-1183.01	-2116.17	-2107.94 - 1191.24 -87.25
1	101	116	-78.88	-129.31	-102.01	-106.18	25.13	-888.16	-2359.91	-2003.71 - 1244.36 630.36
1	101	117	-69.80	-142.68	-92.53	-119.95	33.76	-353.91	-2076.37	-756.90 - 1673.38 729.20
1	101	118	-70.70	-138.08	-83.77	-125.01	26.64	148.42	-2242.60	132.45 - 2226.63 -194.75
1	101	119	-65.55	-109.09	-69.97	-104.68	13.15	488.71	-2901.99	-432.17 - 1981.10 -1508.11
1	101	120	-57.98	-86.00	-69.03	-74.94	13.70	-58.44	-3755.68	-2102.17 - 1711.96 -1838.30
1	101	121	-35.41	-86.82	-68.33	-53.91	24.67	-508.21	-4091.33	-3063.90 - 1535.64 -1620.43
1	101	122	-14.59	-98.43	-68.76	-44.26	40.09	-615.13	-3908.73	-3140.94 - 1382.93 -1392.59
1	101	123	-9.67	-106.27	-67.63	-48.31	47.33	-427.10	-3025.63	-2261.80 - 1190.93 -1183.81
1	101	124	24.31	-147.40	-61.58	-61.51	85.85	27.37	-1603.90	-421.36 -

1155.17-728.45											
1	101	125	37.05	-147.47	-43.23	-67.18	91.48	1414.18	-1871.48	971.43	-
1428.72-1121.92											
1	101	126	23.71	-92.10	-6.37	-62.02	50.78	1476.15	-1746.38	502.32	-
772.55-1479.82											
1	101	127	-1.79	-51.36	-1.84	-51.31	-1.56	38.14	-857.16	-18.05	-
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1	101	128	176.43	1.62	1.68	176.38	-3.09	-50.81	-3628.12	-64.89	-
3614.04 223.99											
1	101	129	132.80	-25.70	-6.55	113.65	-51.65	939.66	-4273.69	334.42	-
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1	101	130	68.87	-118.72	18.36	-68.21	-83.21	-430.29	-5945.78	-1113.01	-
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1	101	131	23.68	-165.89	-0.33	-141.88	-63.05	-1200.93	-6276.28	-1788.21	-
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1	101	132	-20.33	-159.49	-29.76	-150.06	-34.98	-1656.51	-5954.58	-2336.17	-
5274.921568.22											
1	101	133	-52.82	-143.14	-55.97	-139.98	-16.57	-1772.51	-5818.35	-2564.74	-
5026.121605.50											
1	101	134	-76.48	-135.17	-76.90	-134.75	-4.93	-1526.52	-5956.78	-2219.42	-
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1	101	135	-91.80	-137.03	-91.80	-137.03	-0.32	-1226.43	-6049.14	-1650.87	-
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1	101	136	-99.89	-137.95	-99.93	-137.91	-1.25	-1320.84	-5934.78	-1483.85	-
5771.77 851.79											
1	101	137	-101.74	-132.17	-101.81	-132.11	-1.41	-1843.92	-5380.36	-1887.87	-
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1	101	138	-97.40	-124.28	-99.44	-122.24	7.11	-2451.26	-4791.33	-2474.09	-
4768.50 230.01											
1	101	139	-86.75	-129.90	-97.87	-118.78	18.87	-2425.22	-4941.16	-2453.96	-
4912.43 267.35											
1	101	140	-82.61	-134.60	-98.15	-119.05	23.80	-1956.32	-5512.66	-1957.41	-
5511.5862.15											
1	101	141	-81.92	-128.45	-96.46	-113.91	21.57	-1591.70	-5966.76	-1628.47	-
5929.99-399.41											
1	101	142	-75.14	-112.00	-87.26	-99.88	17.31	-1776.53	-5906.25	-1992.91	-
5689.87-920.21											
1	101	143	-59.33	-95.91	-73.10	-82.14	17.72	-2326.35	-5529.90	-2819.80	-
5036.45-1156.41											
1	101	144	-38.09	-88.31	-57.67	-68.73	24.49	-2604.40	-5064.63	-3458.36	-
4210.67 -1171.19											
1	101	145	-20.08	-85.92	-44.93	-61.06	31.92	-2342.52	-4557.01	-3404.01	-
3495.52-1106.30											
1	101	146	-17.10	-82.50	-46.14	-53.46	32.50	-1474.99	-3549.33	-2331.06	-
2693.26-1021.24											
1	101	147	19.92	-120.78	-80.60	-20.27	63.56	21.76	-2177.79	-278.56	-
1877.48-755.23											
1	101	148	37.62	-110.91	-31.07	-42.23	74.06	797.38	-1787.56	424.07	-
1414.25-908.64											
1	101	149	21.45	-44.26	-7.73	-15.09	32.65	897.45	-1369.30	435.50	-
907.35-913.09											
1	101	150	6.13	-3.00	-2.34	5.48	2.36	-12.33	-979.10	-33.28	-
958.16-140.74											
1	101	151	245.41	5.37	5.38	245.39	2.04	-0.62	-5408.77	-17.80	-
5391.59 304.28											
1	101	152	203.32	-38.57	-11.78	176.53	-75.92	0.78	-5961.98	-394.85	-
5566.351484.10											
1	101	153	66.34	-143.55	27.42	-104.62	-81.58	-24.27	-5349.85	-722.19	-
4651.93 1797.15											
1	101	154	-4.77	-176.01	-6.54	-174.24	-17.30	67.07	-4862.53	-1290.40	-
3505.062202.06											
1	101	155	-56.09	-159.32	-56.20	-159.20	3.40	-430.15	-4492.61	-2091.84	-
2830.921997.33											
1	101	156	-84.02	-140.79	-84.28	-140.53	3.84	-920.08	-4081.75	-2348.29	-
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1	101	157	-97.32	-133.58	-97.43	-133.47	2.00	-1150.00	-3693.24	-1996.74	-
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1	101	158	-102.94	-134.68	-102.97	-134.64	1.03	-981.38	-3637.85	-1460.00	-
3159.231020.96											

1	101	159	-106.55	-136.04	-106.58	-136.01	0.86	-936.43	-3655.69	-1348.69	-3243.42 975.24
1	101	160	-109.20	-133.25	-109.46	-132.99	2.49	-1363.78	-3443.44	-1785.53	-3021.69 836.20
1	101	161	-107.38	-129.22	-110.13	-126.47	7.25	-2149.84	-2958.08	-2355.24	-2752.69 351.88
1	101	162	-99.75	-130.29	-107.55	-122.49	13.32	-2229.19	-2922.29	-2295.31	-2856.16-203.62
1	101	163	-92.80	-130.66	-103.22	-120.24	16.91	-1638.46	-3351.24	-1778.37	-3211.34-469.10
1	101	164	-85.48	-125.47	-97.25	-113.70	18.22	-1298.50	-3595.74	-1412.61	-3481.62-499.12
1	101	165	-76.57	-114.61	-91.14	-100.03	18.49	-1616.46	-3439.26	-1704.60	-3351.11-391.02
1	101	166	-64.48	-102.86	-84.59	-82.75	19.16	-2276.62	-3088.72	-2512.12	-2853.22-368.49
1	101	167	-51.54	-91.50	-75.95	-67.09	19.48	-2038.57	-3389.50	-3169.13	-2258.94-499.14
1	101	168	-42.29	-79.66	-66.13	-55.82	17.96	-1469.80	-3360.73	-3088.36	-1742.17-663.96
1	101	169	-35.07	-70.04	-59.81	-45.30	15.91	-872.18	-2533.70	-2037.57	-1368.31-760.38
1	101	170	-4.45	-78.65	-50.19	-32.91	36.07	427.00	-1578.31	-3.12	-1148.19-823.11
1	101	171	22.68	-78.61	-25.62	-30.31	50.60	642.80	-1534.62	401.52	-1293.34-683.48
1	101	172	23.84	-25.02	-6.91	5.73	23.60	555.48	-1057.26	421.91	-923.68-444.50
1	101	173	29.00	-2.32	-2.19	28.87	2.02	-25.46	-986.60	-32.78	-979.28-83.54
1	101	174	215.69	1.29	15.29	201.69	52.97	917.35	-9714.89	821.93	-9619.461002.76
1	101	175	239.82	-181.66	-159.06	217.23	-94.93	-1961.69	-1.236e+04	-4392.53	-9931.934401.64
1	101	176	20.75	-288.12	3.88	-271.25	-70.19	3600.28	-5895.95	721.85	-3017.524364.50
1	101	177	-89.11	-221.23	-101.94	-208.40	39.12	2249.43	-4411.33	-1325.05	-836.843321.42
1	101	178	-111.80	-169.54	-124.79	-156.55	24.11	1093.91	-4047.54	-2423.60	-530.032390.02
1	101	179	-120.78	-141.19	-124.44	-137.52	7.84	195.84	-3502.01	-2753.00	-553.171486.17
1	101	180	-121.45	-134.56	-121.47	-134.54	0.49	-464.20	-2412.52	-2053.12	-823.60755.69
1	101	181	-117.46	-137.43	-117.55	-137.33	-1.37	-386.78	-1781.45	-964.32	-1203.91 686.97
1	101	182	-122.37	-141.32	-122.37	-141.32	-1.15e-02	84.01	-2197.07	-774.24	-1338.82 1105.05
1	101	183	-123.44	-140.35	-123.74	-140.04	2.25	-115.15	-2651.22	-1713.49	-1052.881224.26
1	101	184	-119.30	-137.46	-120.95	-135.82	5.22	-744.98	-2870.56	-2753.00	-862.53485.85
1	101	185	-112.51	-136.91	-118.06	-131.36	10.23	-819.47	-2712.49	-2586.74	-945.22-471.41
1	101	186	-107.51	-134.53	-115.29	-126.76	12.23	-450.74	-2332.37	-1545.88	-1237.23-928.07
1	101	187	-97.83	-129.80	-108.85	-118.78	15.20	-313.29	-1929.09	-627.88	-1614.50-639.80
1	101	188	-86.47	-116.85	-99.62	-103.70	15.05	-951.35	-1551.36	-951.61	-1551.1112.42
1	101	189	-74.79	-107.20	-94.37	-87.61	15.85	-1164.49	-2327.96	-2272.62	-1219.83 247.63
1	101	190	-60.44	-98.11	-87.38	-71.17	17.00	-942.25	-3281.33	-3278.91	-944.67-75.17
1	101	191	-49.42	-89.34	-80.94	-57.83	16.28	-688.73	-3370.64	-3270.25	-789.13-509.09
1	101	192	-42.85	-79.60	-73.57	-48.89	13.62	-268.06	-2613.12	-2166.00	-715.18-921.19
1	101	193	-19.73	-78.16	-66.04	-31.86	23.69	853.16	-1886.83	-86.58	-

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1 101 194 6.99 -65.48 -31.34 -27.14 36.17 1397.78 -1518.35 1232.07 -
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1 101 195 10.92 -13.90 -6.54 3.56 11.34 505.02 -904.14 498.60 -
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1 101 196 21.94 -1.92 -1.56 21.59 2.89 -21.16 -924.03 -21.72 -
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1 101 197 -17.06 -1420.41 -39.82 -1397.65 -177.28 1.645e+04 -1056.50 -1050.67
1.644e+04-319.26
1 101 198 -34.45 -1186.53 -34.94 -1186.04 23.64 2.058e+04 3694.26 6031.84
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1 101 199 -226.00 -453.19 -289.86 -389.32 102.13 9647.09 -5223.75 -2785.77
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1 101 204 -126.46 -143.96 -132.93 -137.49 -8.44 1340.41 366.12 388.96
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1 101 209 -119.50 -147.80 -138.01 -129.30 13.46 1823.33 -2054.50 -1450.38
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1 101 210 -108.21 -145.43 -125.60 -128.04 18.57 1861.93 -597.95 891.39
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1 101 212 -86.26 -110.01 -102.44 -93.84 11.07 710.59 -2435.37 -2342.97
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1 101 213 -66.39 -100.12 -89.99 -76.52 15.46 -87.92 -3773.66 -3770.90 -
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1 101 218 -10.37 -17.76 -10.40 -17.73 -0.46 1614.88 -631.29 500.30
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1 101 219 -4.21 -41.36 -4.22 -41.35 -0.62 378.87 12.63 17.66
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1 101 220 16.37 -1072.28 -13.10 -1042.81 176.66 1.382e+04 -557.94 -487.96
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1 101 221 175.31 -1311.77 145.53 -1281.98 -208.34 1.491e+04 246.89 2378.41
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2614.29 1113.69
1 101 227 -126.06 -170.18 -151.83 -144.42 -21.75 6618.84 651.19 808.02
6462.01 954.63

1	101	228	-125.44	-223.63	-214.81	-134.26	-28.08	9614.52	5653.19	5828.54	9439.17
814.79											
1	101	229	-127.05	-169.62	-133.46	-163.21	-15.22	3142.61	-2692.09	-2650.93	3101.45
488.32											
1	101	230	-106.50	-163.78	-106.95	-163.33	-5.05	1124.93	-4475.09	-4472.71	1122.54
115.63											
1	101	231	-108.52	-157.32	-109.44	-156.39	6.64	1299.09	-4136.94	-4127.57	1289.72
-225.56											
1	101	232	-123.03	-152.64	-132.06	-143.61	13.63	3163.00	-2118.23	-2083.47	3128.24
-427.06											
1	101	233	-100.57	-214.39	-211.23	-103.73	18.71	9268.63	6303.43	6442.41	9129.65
-626.73											
1	101	234	-103.89	-147.25	-143.31	-107.82	12.45	5878.22	1141.88	1247.38	5772.72
-698.97											
1	101	235	-74.42	-112.44	-86.11	-100.75	17.54	1535.62	-3143.10	-3014.62	1407.13
-764.62											
1	101	236	-53.08	-102.46	-67.75	-87.78	22.57	-297.88	-4434.30	-4278.73	-
453.45	-786.96										
1	101	237	-46.31	-94.40	-70.98	-69.73	24.04	-868.41	-4420.32	-4247.49	-
1041.24	-764.20										
1	101	238	-46.97	-108.57	-99.95	-55.59	21.37	-462.19	-3386.81	-3200.38	-
648.61	-714.46										
1	101	239	-24.64	-172.63	-163.38	-33.89	35.82	1274.44	-3956.79	-3887.67	1205.32
-597.30											
1	101	240	9.62	-118.55	-94.23	-14.70	50.25	1.441e+04	1.193e+04	1.426e+04	1.208e+04
-591.20											
1	101	241	-5.40	-44.57	-9.79	-40.18	12.36	1906.62	-1865.54	-1801.67	1842.76
-486.66											
1	101	242	-2.87	-33.12	-3.63	-32.36	-4.73	2020.87	27.26	31.49	2016.64
-91.70											
1	101	243	83.92	-39.43	10.78	33.71	-60.60	803.06	-7413.33	760.95	-
7371.22	-586.69										
1	101	244	228.70	-157.82	-155.23	226.10	31.59	-3800.37	-8030.39	-4134.58	-
7696.18	-1141.05										
1	101	245	-11.66	-172.89	-20.49	-164.06	36.69	1404.44	-1600.78	1255.93	-
1452.26	-651.35										
1	101	246	-55.47	-178.15	-82.81	-150.81	-51.05	1091.41	-207.84	-147.02	1030.58
-274.45											
1	101	247	-46.25	-196.67	-99.88	-143.03	-72.05	1487.57	-2724.17	-2696.38	1459.78
341.00											
1	101	248	-55.93	-192.54	-106.42	-142.05	-65.94	1799.91	-3918.45	-3634.31	1515.78
1242.59											
1	101	249	-70.93	-190.19	-112.82	-148.31	-56.93	2655.11	-3482.77	-2732.33	1904.68
2010.71											
1	101	250	-104.81	-195.99	-132.33	-168.46	-41.86	3229.97	-1369.54	-16.43	1876.87
2095.88											
1	101	251	-132.58	-199.36	-146.05	-185.89	-26.80	1238.35	-31.81	-28.08	1234.62
-68.68											
1	101	252	-137.63	-187.92	-160.72	-164.83	-25.06	2011.90	-2467.23	-2386.57	1931.23
-595.64											
1	101	253	-140.84	-164.53	-146.97	-158.40	-10.37	1440.97	-4128.24	-4105.22	1417.96
-357.27											
1	101	254	-145.76	-153.79	-148.22	-151.32	3.71	1383.61	-3750.51	-3744.18	1377.29
180.09											
1	101	255	-136.78	-170.64	-161.27	-146.15	15.15	1754.68	-1922.96	-1847.92	1679.64
519.94											
1	101	256	-134.06	-165.44	-145.48	-154.01	15.10	790.11	637.00	646.21	780.90
-36.42											
1	101	257	-104.49	-153.29	-134.43	-123.35	23.76	3055.21	-1305.15	516.25	1233.81
-2150.46											
1	101	258	-72.94	-137.25	-117.88	-92.32	29.51	1969.68	-3390.21	-2388.31	967.78
-2089.57											
1	101	259	-55.39	-124.82	-108.16	-72.04	29.65	738.36	-4223.35	-3719.58	234.59
-1498.59											
1	101	260	-41.83	-118.36	-106.79	-53.39	27.41	140.38	-3893.24	-3647.67	-
105.19	-964.48										
1	101	261	-27.45	-126.07	-115.33	-38.18	30.72	63.40	-2615.52	-2557.81	5.69
-388.95											
1	101	262	-16.39	-140.36	-107.71	-49.04	54.60	1303.76	-1199.65	-150.86	

254.97	1235.15										
1	101	263	3.52	-84.11	-64.56	-16.03	36.49	4189.56	-1641.03	4109.27	-
1560.74	-679.48										
1	101	264	33.20	-46.27	-9.86	-3.21	39.60	2588.50	-1621.57	516.41	
450.52	-2104.77										
1	101	265	-1.65	-16.62	-3.13	-15.14	4.46	459.18	-98.82	18.61	
341.74	-227.46										
1	101	266	268.10	3.49	3.50	268.09	-1.78	68.34	-4675.63	54.90	-
4662.19	252.15										
1	101	267	208.95	-14.42	-9.93	204.46	31.35	197.63	-5417.16	-446.31	-
4773.22	1789.12										
1	101	268	9.39	-47.24	-1.38	-36.47	22.23	447.42	-4537.59	-389.67	-
3700.50	1863.38										
1	101	269	-13.02	-132.94	-23.26	-122.69	-33.52	-539.23	-3164.72	-1202.81	-
2501.14	1141.00										
1	101	270	-33.37	-169.54	-60.22	-142.69	-54.18	-946.51	-3270.75	-2602.59	-
1614.67	1051.92										
1	101	271	-57.29	-182.97	-90.16	-150.11	-55.23	-464.29	-4055.02	-3309.61	-
1209.70	1456.35										
1	101	272	-81.06	-190.32	-111.13	-160.25	-48.80	-65.20	-4044.08	-2922.96	-
1186.33	1789.95										
1	101	273	-100.38	-199.81	-123.67	-176.52	-42.11	-289.97	-3220.45	-2131.35	-
1379.07	1416.13										
1	101	274	-117.30	-202.82	-137.58	-182.54	-36.37	-837.96	-2495.57	-1918.12	-
1415.40	789.77										
1	101	275	-138.25	-200.02	-153.48	-184.78	-26.63	-958.94	-3109.49	-3087.50	-
980.93	-216.35										
1	101	276	-153.39	-178.35	-159.05	-172.69	-10.45	-677.02	-4155.07	-4134.35	-
697.73	-267.61										
1	101	277	-156.43	-168.68	-160.57	-164.54	5.79	-816.35	-3806.89	-3805.32	-
817.93	-68.58										
1	101	278	-142.24	-176.90	-158.52	-160.62	17.30	-1230.73	-2509.32	-2507.99	-
1232.06	-41.19										
1	101	279	-122.90	-164.76	-147.97	-139.69	20.52	-511.28	-2433.49	-1200.61	-
1744.16	-921.88										
1	101	280	-106.98	-157.37	-139.93	-124.43	23.97	-49.22	-3105.66	-1468.48	-
1686.39	-1524.33										
1	101	281	-84.88	-144.73	-133.42	-96.19	23.44	-2.74	-3888.24	-2515.14	-
1375.84	-1857.36										
1	101	282	-61.53	-135.15	-123.76	-72.92	26.63	-321.27	-4130.77	-3336.75	-
1115.28	-1547.36										
1	101	283	-43.16	-125.11	-112.62	-55.65	29.45	-497.70	-3586.15	-3153.60	-
930.25	-1071.82										
1	101	284	-28.99	-112.74	-98.11	-43.61	31.79	-547.35	-2114.60	-1861.53	-
800.41	-576.69										
1	101	285	6.73	-117.05	-83.65	-26.66	54.94	327.70	-967.24	325.30	-
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1	101	286	34.39	-86.69	-41.23	-11.07	58.63	1485.76	-1450.07	1420.87	-
1385.19	-431.60										
1	101	287	66.79	-28.28	-7.53	46.04	39.27	1112.10	-1504.00	542.57	-
934.47	-1079.62										
1	101	288	71.93	-1.05	-1.04	71.92	0.64	9.28	-984.49	-17.09	-
958.11	-159.73										
1	101	289	282.94	-1.99	-1.98	282.94	-1.24	-13.08	-3306.76	-47.11	-
3272.73	333.05										
1	101	290	212.36	-3.29	-2.12	211.18	15.88	1206.77	-4111.49	332.44	-
3237.17	1971.15										
1	101	291	36.77	-6.80	10.72	19.25	21.36	32.90	-5247.52	-1179.52	-
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1	101	292	-9.78	-88.50	-10.07	-88.22	-4.71	-1112.18	-5326.08	-2131.93	-
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1	101	293	-42.26	-137.15	-47.77	-131.64	-22.19	-1893.85	-5286.05	-3028.21	-
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1	101	296	-119.55	-194.60	-134.57	-179.58	-30.02	-2282.78	-5038.64	-3334.18	-
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1	101	297	-138.33	-203.17	-150.12	-191.38	-25.01	-2824.29	-4493.23	-3510.14	-

3807.38 821.13											
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1	101	299	-166.80	-188.24	-169.36	-185.67	-6.95	-3012.02	-4651.00	-4635.77	-
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1	101	300	-168.52	-179.76	-172.47	-175.81	5.37	-2998.95	-4468.58	-4293.38	-
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1	101	301	-154.49	-181.14	-170.63	-165.00	13.02	-2804.03	-4228.81	-3390.16	-
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1	101	302	-138.23	-176.18	-166.39	-148.01	16.61	-2083.01	-4543.00	-2574.32	-
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1	101	303	-115.25	-165.32	-158.12	-122.45	17.57	-1746.60	-4726.97	-2433.06	-
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1	101	305	-69.36	-133.93	-129.20	-74.09	16.83	-1986.65	-4264.24	-3279.07	-
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1	101	306	-51.35	-116.23	-110.29	-57.28	18.71	-1738.66	-3594.64	-2989.71	-
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1	101	308	-0.70	-82.58	-70.47	-12.81	29.07	746.07	-1364.89	644.99	-
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1	101	311	111.14	-1.86	-1.85	111.14	0.56	-18.19	-1051.03	-25.96	-
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1	101	312	289.15	-0.57	-0.57	289.15	-1.09	-4.86	-2966.75	-16.94	-
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1	101	313	201.22	-16.38	-15.03	199.87	17.10	719.37	-3319.17	403.71	-
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1	101	316	-46.27	-121.16	-60.49	-106.95	29.37	-2450.22	-6833.95	-3456.34	-
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1	101	317	-90.95	-137.09	-96.16	-131.88	14.61	-2915.61	-6812.74	-3997.86	-
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1	101	318	-129.19	-150.86	-129.62	-150.43	3.02	-3197.82	-6691.56	-4120.95	-
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1	101	319	-155.53	-169.29	-156.23	-168.59	-3.02	-3326.24	-6614.29	-4075.15	-
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1	101	320	-171.83	-185.20	-173.39	-183.64	-4.29	-3573.70	-6418.89	-4357.18	-
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1	101	321	-181.67	-190.85	-182.00	-190.52	-1.71	-4017.96	-5944.42	-5032.68	-
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1	101	324	-161.16	-195.39	-195.38	-161.17	0.61	-3062.32	-6411.06	-4041.08	-
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1	101	325	-137.33	-196.16	-195.89	-137.60	3.98	-2493.35	-6696.55	-3007.59	-
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1	101	328	-66.07	-132.57	-131.10	-67.55	-9.79	-3248.62	-4835.43	-3389.47	-
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1	101	329	-50.77	-108.27	-104.35	-54.69	-14.49	-2972.29	-4007.64	-3090.25	-
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1	101	332	7.65	-41.85	-41.66	7.45	3.09	856.77	-1457.51	845.94	-
1446.67	-158.00										
1	101	333	63.20	-8.66	-8.32	62.87	4.89	443.46	-962.67	443.45	-
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1	101	334	107.27	-2.05	-2.05	107.27	0.35	-29.04	-1048.79	-29.67	-
1048.16	-25.40										
1	101	335	181.18	-1.31	-1.25	181.13	-3.15	-19.72	-1734.76	-28.66	-
1725.83	123.46										
1	101	336	140.36	-15.91	-3.67	128.12	41.98	387.10	-1675.45	347.88	-
1636.23	281.69										
1	101	337	67.45	-76.39	-34.17	25.23	65.50	66.23	-2525.36	-168.70	-
2290.42	744.08										
1	101	338	33.79	-142.94	-65.47	-43.68	87.69	35.04	-3696.12	-1273.13	-
2387.95	1780.36										
1	101	339	-13.69	-166.43	-103.26	-76.86	75.22	-415.94	-4652.97	-2771.65	-
2297.26	2105.19										
1	101	340	-61.02	-176.48	-136.23	-101.27	55.02	-835.59	-4911.97	-3600.83	-
2146.73	1904.11										
1	101	341	-103.66	-186.16	-163.52	-126.31	36.81	-1086.57	-4564.87	-3701.05	-
1950.39	1502.81										
1	101	342	-137.83	-201.51	-189.87	-149.46	24.61	-1004.81	-4016.16	-3164.01	-
1856.96	1356.45										
1	101	343	-165.95	-219.89	-211.45	-174.38	19.59	-603.48	-4668.82	-3535.88	-
1736.42	1822.69										
1	101	344	-169.03	-241.97	-236.95	-174.06	18.47	-458.54	-5504.43	-4937.77	-
1025.21	1593.18										
1	101	345	-167.36	-250.92	-250.69	-167.59	4.39	-605.28	-6356.41	-6355.31	-
606.38	79.77										
1	101	346	-157.48	-250.75	-248.86	-159.37	-13.14	-322.10	-6107.66	-5624.75	-
805.01	-1600.22										
1	101	347	-147.69	-240.00	-235.82	-151.87	-19.19	237.53	-5068.61	-3384.57	-
1446.50	-2469.77										
1	101	348	-133.29	-216.47	-214.82	-134.94	-11.61	151.49	-3847.05	-1407.04	-
2288.53	-1950.08										
1	101	349	-93.66	-201.81	-199.00	-96.47	-17.22	-789.36	-2529.61	-1031.78	-
2287.19	-602.59										
1	101	350	-62.28	-184.02	-177.84	-68.45	-26.71	-1993.53	-2137.68	-2134.80	-
1996.40	-20.16										
1	101	351	-35.17	-168.05	-157.15	-46.06	-36.45	-1743.58	-2756.05	-2755.44	-
1744.19	24.80										
1	101	352	-13.66	-154.92	-136.00	-32.58	-48.11	-1482.89	-2531.46	-2530.68	-
1483.66	28.49										
1	101	353	-2.88	-141.01	-115.50	-28.39	-53.60	-1209.57	-1417.54	-1416.83	-
1210.28	12.13										
1	101	354	6.58	-120.11	-89.62	-23.92	-54.16	626.32	-1153.44	583.12	-
1110.24	-273.88										
1	101	355	3.56	-67.05	-52.17	-11.31	-28.79	1393.72	-1369.72	1388.56	-
1364.56	119.36										
1	101	356	34.94	-13.71	-6.10	27.33	-17.68	658.74	-1073.74	463.26	-
878.26	548.12										
1	101	357	64.28	-1.62	-1.38	64.03	3.99	-22.28	-927.91	-23.54	-
926.65	33.75										
1	101	358	14.70	-6.92	-6.17	13.95	3.96	187.65	-8.59	13.44	
165.62	61.94										
1	101	359	59.76	-37.05	-20.44	43.15	36.50	620.72	-437.55	118.06	
65.11	-528.47										
1	101	360	42.30	-198.68	-121.79	-34.59	112.33	2791.84	-2099.27	137.08	
555.50	2436.59										
1	101	361	6.77	-224.23	-161.16	-56.30	102.91	1552.87	-3607.16	-2335.91	
281.62	2223.42										
1	101	362	-38.32	-218.28	-181.14	-75.46	72.84	1403.44	-4452.23	-3389.07	
340.27	2257.26										
1	101	363	-88.89	-226.69	-204.85	-110.73	50.33	1978.28	-4466.86	-3825.66	
1337.07	1929.12										
1	101	364	-123.30	-235.77	-218.21	-140.86	40.82	2488.58	-2339.34	-2151.35	
2300.58	933.97										
1	101	365	-159.63	-312.96	-305.92	-166.67	32.09	3959.92	-6060.12	-5244.64	
3144.44	2739.74										
1	101	366	-144.65	-332.79	-332.27	-145.18	9.91	2413.32	-7925.36	-7924.69	

2412.65	83.35									
1	101	367	-137.18	-329.32	-324.24	-142.25	-30.80	2844.05	-7330.16	-6935.13
2449.02	-1965.46									
1	101	368	-135.81	-298.58	-287.22	-147.17	-41.47	4989.78	-5022.83	-2938.13
2905.09	-4065.37									
1	101	369	-85.15	-211.20	-202.31	-94.05	-32.28	1891.49	1114.64	1132.15
1873.98	115.31									
1	101	370	-46.86	-202.88	-192.56	-57.18	-38.78	1233.95	-1557.48	-1556.93
1233.40	39.17									
1	101	371	-14.86	-187.55	-171.80	-30.62	-49.72	398.41	-2374.79	-2374.15
397.76	-42.19									
1	101	372	3.28	-176.51	-154.37	-18.86	-59.07	51.87	-2211.79	-2211.78
51.86	6.05									
1	101	373	4.87	-175.94	-144.07	-27.00	-68.89	111.39	-1433.30	-1431.53
109.62	-52.25									
1	101	374	6.89	-164.23	-116.21	-41.13	-76.89	1261.49	-1048.95	99.47
113.08	-1155.20									
1	101	375	-0.73	-42.49	-24.06	-19.16	-20.74	1921.74	-1261.37	403.22
257.15	1589.88									
1	101	376	-4.62	-65.85	-4.85	-65.63	-3.69	309.79	-28.15	-2.53
284.17	89.45									
1	101	377	18.74	-93.25	-66.99	-7.52	47.45	2618.79	-997.89	2430.56	-
809.65	803.33									
1	101	378	-144.83	-272.22	-265.75	-151.30	27.96	2398.39	-2273.03	-1119.09
1244.45	2014.69									
1	101	379	-113.87	-242.02	-239.11	-116.77	-19.07	3871.54	-531.70	2597.80
742.03	-1996.54									
1	101	380	-34.51	-75.65	-63.95	-46.21	-18.56	3743.36	-1329.71	3743.12	-
1329.46	35.16									
1	101	381	4.48	-27.62	-2.75	-20.39	13.41	2659.48	169.09	173.19
2655.38	101.02									
1	101	382	4.99	-39.62	-7.74	-26.90	20.14	2824.57	-2415.71	-2120.41
2529.26	1208.42									
1	101	383	21.60	-117.65	-82.59	-13.46	60.43	1.203e+04	9393.40	1.053e+04
1.090e+04	1306.78									
1	101	384	11.10	-186.38	-155.38	-19.90	71.84	4089.02	-1129.87	-839.64
3798.79	1196.01									
1	101	385	25.09	-237.95	-184.15	-28.71	106.10	2415.76	-2292.60	-1592.48
1715.64	1675.19									
1	101	386	2.82	-259.12	-213.87	-42.43	99.02	2849.33	-3952.02	-2293.25
1190.56	2920.68									
1	101	387	-58.74	-289.29	-264.99	-83.04	70.79	4779.08	-5992.75	-3888.44
2674.78	4270.73									
1	101	388	-84.42	-321.98	-297.90	-108.50	71.71	8687.59	-6148.62	-4961.65
7500.61	4025.08									
1	101	389	-105.79	-379.25	-366.88	-118.17	56.85	1.754e+04	7256.06	7874.28
1.692e+04	2444.88									
1	101	390	-112.16	-417.15	-415.94	-113.37	19.18	5275.11	-9461.23	-9432.70
5246.58	647.80									
1	101	391	-100.23	-440.15	-440.15	-100.23	0.79	2829.41	-9977.81	-9972.53
2824.13	-259.89									
1	101	392	-93.35	-423.98	-418.47	-98.86	-42.34	3496.05	-9221.16	-9038.94
3313.82	-1511.34									
1	101	393	-82.03	-386.49	-379.16	-89.36	-46.66	6312.43	-6925.58	-6370.21
5757.06	-2653.97									
1	101	394	-68.81	-320.06	-299.16	-89.71	-69.39	1.857e+04	1.211e+04	1.388e+04
1.681e+04	-2879.24									
1	101	395	-50.65	-233.80	-209.99	-74.46	-61.59	7911.74	-242.39	573.10
7096.25	-2446.34									
1	101	396	-18.94	-217.32	-196.31	-39.95	-61.04	3658.01	-1539.58	-992.50
3110.94	-1595.05									
1	101	397	11.52	-188.42	-161.73	-15.17	-68.00	1692.50	-1935.66	-1706.07
1462.91	-883.34									
1	101	398	18.13	-171.11	-143.52	-9.46	-66.78	855.81	-1759.90	-1733.05
828.96	-263.66									
1	101	399	1.15	-158.98	-137.02	-20.81	-55.09	946.99	-1321.32	-1309.72
935.39	161.80									
1	101	400	-39.84	-133.77	-125.51	-48.10	-26.60	2268.19	-2781.17	-2755.26
2242.29	360.74									

1	101	401	-21.69	-87.12	-77.40	-31.41	-23.27	1.300e+04	1.181e+04	1.299e+04
1.183e+04	134.80									
1	101	402	-7.82	-52.94	-8.68	-52.08	-6.17	2207.87	-2188.09	-2186.11
2205.89	-93.25									
1	101	403	1.62	-46.45	-2.77	-42.06	-13.85	2348.23	139.41	139.41
2348.22	-2.58									
1	101	404	-5.62	-27.65	-5.62	-27.65	-0.19	1072.05	-235.16	-227.10
1063.99	102.33									
1	101	405	15.40	-34.57	-0.10	-19.08	-23.11	2920.27	-544.72	1082.66
1292.89	1729.31									
1	101	406	-10.57	-81.71	-77.04	-15.23	17.61	2009.13	-2522.98	1550.57	-
2064.41	1366.74									
1	101	407	-5.87	-131.14	-108.86	-28.15	47.90	801.81	-200.33	782.93	-
181.45	136.24									
1	101	408	19.98	-153.59	-108.24	-25.37	76.26	1793.60	-1185.01	-34.13	
642.71	1450.35									
1	101	409	-11.32	-246.93	-231.78	-26.48	57.80	4672.21	-1950.69	915.37	
1806.15	3281.36									
1	101	410	-7.24	-350.16	-346.95	-10.45	33.02	4869.01	-6000.01	-2021.28	
890.29	5235.89									
1	101	411	-21.36	-412.24	-410.16	-23.43	28.39	1756.63	-1.065e+04	-6364.57	-
2524.53	5896.46									
1	101	412	-37.00	-542.12	-539.78	-39.34	34.27	-4169.88	-8970.04	-7964.18	-
5175.74	1953.59									
1	101	413	-26.51	-571.78	-571.21	-27.07	17.56	-1179.95	-9368.71	-9312.52	-
1236.14	-676.01									
1	101	414	-10.38	-553.57	-553.45	-10.50	7.96	-846.44	-1.113e+04	-1.108e+04	-
899.51	-736.97									
1	101	415	-3.67	-519.89	-516.63	-6.92	-40.86	-1257.44	-1.091e+04	-1.075e+04	-
1421.14	-1246.56									
1	101	416	-23.25	-453.79	-451.00	-26.04	-34.51	-1139.95	-6806.61	-6532.49	-
1414.07	-1215.81									
1	101	417	-26.30	-424.42	-420.43	-30.28	-39.63	2695.57	-3834.46	1325.29	-
2464.18	-2659.00									
1	101	418	-21.74	-291.13	-289.67	-23.19	-19.74	7072.01	-2376.82	3796.48	
898.71	-4496.76									
1	101	419	-19.69	-139.53	-131.60	-27.63	-29.80	3286.04	-2176.25	354.04	
755.75	-2723.75									
1	101	420	-2.38	-107.07	-90.74	-18.70	-37.98	1554.55	-1496.02	-527.60	
586.13	-1420.00									
1	101	421	1.18	-98.52	-82.89	-14.45	-36.25	686.96	-876.77	-712.27	
522.46	-479.76									
1	101	422	4.84	-111.16	-93.78	-12.54	-41.40	518.73	-739.06	-664.28	
443.95	297.42									
1	101	423	-7.89	-121.17	-116.76	-12.31	-21.92	2040.80	-1413.93	459.19	
167.69	1721.21									
1	101	424	-7.38	-88.20	-87.91	-7.67	-4.89	2219.61	-2340.41	2217.26	-
2338.06	103.42									
1	101	425	9.45	-31.79	-4.04	-18.31	19.35	1814.82	-727.24	588.01	
499.57	-1270.26									
1	101	426	-4.68	-12.37	-4.98	-12.07	1.49	525.62	-89.29	-83.12	
519.45	-61.29									
1	101	427	11.63	6.06	6.21	11.48	0.90	55.05	-356.12	-42.53	-
258.54	-174.93									
1	101	428	-3.51	-25.10	-25.08	-3.53	-0.64	569.28	-359.09	569.14	-
358.95	11.36									
1	101	429	-3.56	-92.34	-91.96	-3.93	5.79	1611.57	89.94	1608.07	
93.44	72.89									
1	101	430	-5.45	-170.03	-169.85	-5.63	5.43	816.60	43.98	795.03	
65.54	127.27									
1	101	431	4.27	-150.26	-150.11	4.12	-4.88	523.75	-188.29	358.60	-
23.14	300.53									
1	101	432	-2.32	-194.02	-193.95	-2.39	3.63	1178.56	-640.03	883.12	-
344.59	670.82									
1	101	433	2.01	-332.68	-331.60	0.93	18.99	184.63	-2218.32	-1840.41	-
193.28	874.80									
1	101	434	-7.07	-515.92	-515.38	-7.61	-16.64	601.97	-6422.25	-6305.86	
485.58	896.67									
1	101	435	-3.84	-504.83	-504.80	-3.86	3.55	409.87	-7916.08	-7856.33	

350.11	702.82										
1	101	436	-10.36	-628.10	-627.92	-10.55	10.64	89.04	-9248.56	-9242.89	
83.37	229.99										
1	101	437	0.87	-552.07	-552.05	0.86	-2.69	30.67	-1.087e+04	-1.087e+04	
30.55	-36.28										
1	101	438	-0.63	-525.38	-525.32	-0.69	5.67	152.06	-1.048e+04	-1.046e+04	
133.45	-444.44										
1	101	439	-8.12	-548.50	-548.31	-8.31	-10.27	373.36	-6155.61	-6114.25	
332.00	-517.99										
1	101	440	-2.45	-369.49	-369.35	-2.59	-7.19	1393.00	-283.94	1138.02	-
28.96	-602.13										
1	101	441	-9.64	-299.29	-299.15	-9.77	6.20	3286.80	-270.44	3186.95	-
170.59	-587.55										
1	101	442	5.81	-156.52	-156.52	5.81	-4.28e-02	957.02	-198.58	780.11	-
21.67	-416.10										
1	101	443	0.37	-87.91	-87.88	0.35	-1.38	16.05	-408.97	-341.06	-
51.85	-155.73										
1	101	444	-1.29	-73.44	-73.36	-1.37	-2.47	-78.38	-579.89	-579.82	-
78.45	6.10										
1	101	445	-1.26	-95.64	-95.63	-1.28	-1.14	-44.39	-512.45	-477.63	-
79.22	122.83										
1	101	446	-6.43	-154.44	-154.42	-6.45	-1.76	698.30	-88.53	646.41	-
36.64	195.29										
1	101	447	-3.46	-77.63	-76.07	-5.02	-10.62	1939.17	72.13	1935.71	
75.59	80.29										
1	101	448	-3.48	-12.94	-12.94	-3.48	-0.11	512.69	-54.66	512.67	-
54.63	3.89										
1	101	449	10.54	3.81	4.85	9.49	-2.44	4.42	-179.65	-66.58	-
108.65	89.60										
1	122	13	7.22	1.58	2.06	6.74	-1.57	7.23	-39.64	2.96	-
35.36	-13.50										
1	122	14	-4.17	-6.79	-6.11	-4.86	1.15	354.03	82.33	351.97	
84.39	-23.56										
1	122	15	-1.37	-45.07	-44.04	-2.40	-6.63	1131.61	-8.78	1127.38	-
4.55	69.34										
1	122	16	-2.74	-79.70	-79.63	-2.81	-2.34	607.54	-41.83	522.87	
42.84	218.66										
1	122	17	-0.67	-26.56	-26.43	-0.80	-1.83	38.71	-580.81	-493.33	-
48.77	215.74										
1	122	18	1.26	-4.88	-2.74	-0.88	-2.93	-57.45	-784.74	-773.47	-
68.72	89.82										
1	122	19	8.20e-02	-12.11	-11.74	-0.29	-2.09	-52.26	-495.10	-495.02	-
52.34	-6.00										
1	122	20	-4.78	-47.80	-47.69	-4.89	2.19	557.66	37.29	552.81	
42.15	50.02										
1	122	21	-2.69	-54.17	-53.92	-2.95	-3.61	1097.37	-27.66	1072.97	-
3.26	163.89										
1	122	22	-1.62	-47.00	-46.84	-1.78	-2.68	325.16	-221.27	101.09	
2.81	268.76										
1	122	23	0.33	-2.55	-1.57	-0.65	-1.36	-20.62	-891.87	-855.81	-
56.68	173.55										
1	122	24	-0.13	-3.76	-3.05	-0.85	-1.44	-50.71	-848.55	-848.51	-
50.75	5.30										
1	122	25	-3.95	-40.89	-40.85	-3.99	1.23	56.22	-88.48	-38.54	
6.28	-68.80										
1	122	26	-3.70	-42.27	-42.00	-3.97	3.20	874.24	60.31	873.54	
61.02	23.98										
1	122	27	-1.82	-33.09	-32.74	-2.17	-3.26	312.81	11.01	255.40	
68.42	118.45										
1	122	28	18.45	-0.87	18.38	-0.80	-1.16	-4.27	-899.88	-878.45	-
25.70	136.85										
1	122	29	53.15	-1.10	53.13	-1.08	-1.05	-44.14	-1279.23	-1278.96	-
44.42	18.56										
1	122	30	68.77	-1.71	68.77	-1.71	-0.31	-45.47	-1411.02	-1405.79	-
50.70	-84.34										
1	122	31	68.44	-1.92	68.40	-1.89	-1.66	-31.33	-1536.26	-1523.98	-
43.61	135.40										
1	122	32	26.72	-3.87	26.68	-3.82	1.16	93.75	-899.93	-862.52	
56.33	-189.16										

1	122	33	18.50	-11.51	8.99	-2.00	13.96	788.23	97.79	782.12	103.90 -64.66
1	122	34	4.20	-6.30	4.02	-6.12	1.36	310.88	29.41	310.40	29.90 -11.66
1	122	35	8.19	0.28	1.00	7.46	2.29	-15.47	-65.80	-34.45	-46.83-24.39
1	122	36	-2.79	-7.92	-3.81	-6.89	2.05	461.43	23.12	60.29	424.25 -122.11
1	122	37	2.84	-26.08	-11.58	-11.66	14.46	1245.98	-597.47	408.11	240.41 -917.90
1	122	38	-6.31	-53.77	-53.45	-6.63	3.89	1358.06	-2015.56	1321.85	1979.35 347.65
1	122	39	-9.09	-64.42	-63.22	-10.28	-8.06	2538.41	-1650.65	692.36	195.412079.74
1	122	40	-1.39	-43.84	-38.19	-7.04	-14.42	1439.41	-1512.23	-623.22	550.40 1354.14
1	122	41	-10.59	-19.42	-19.41	-10.59	-0.27	853.80	-1025.03	-847.91	676.68 549.00
1	122	42	2.25	-30.14	-19.41	-8.48	15.25	666.49	-715.15	-669.35	620.68 -247.36
1	122	43	5.70	-50.30	-41.62	-2.98	20.27	1591.67	-572.62	897.02	122.02-1010.39
1	122	44	-10.14	-65.05	-64.87	-10.32	-3.18	1424.07	-2033.96	1136.66	1746.54 954.61
1	122	45	-9.69	-49.83	-49.01	-10.52	-5.69	2187.20	-1475.43	106.05	605.73 1814.19
1	122	46	-8.15	-22.39	-22.02	-8.52	2.28	1119.94	-1152.91	-945.17	912.19 654.99
1	122	47	9.27	-33.91	-17.18	-7.46	21.04	959.14	-1058.37	-958.18	858.95 -438.29
1	122	48	5.20	-43.06	-30.01	-7.85	21.44	1695.87	-1199.64	-31.76	527.99-1420.45
1	122	49	2.03	-55.68	-48.35	-5.30	19.22	1006.27	-2041.63	924.68	1960.05-491.94
1	122	50	-0.20	-29.46	-26.95	-2.71	-8.20	1836.30	-1209.10	580.12	47.08 1499.19
1	122	51	14.93	-8.45	11.86	-5.37	-7.90	998.68	-1318.31	-1028.46	708.83 766.53
1	122	52	36.98	-5.71	36.97	-5.70	-0.69	781.92	-1297.03	-1296.76	781.64 23.97
1	122	53	48.97	-4.86	48.96	-4.86	-0.70	872.91	-1532.54	-1389.58	729.95 -568.73
1	122	54	46.72	-3.12	46.52	-2.93	3.12	926.66	-1948.63	-1522.70	500.74-1021.39
1	122	55	30.01	-17.12	25.61	-12.72	13.71	1421.77	-2526.42	-1079.27	25.38-1902.47
1	122	56	9.43	-20.24	-9.63	-1.17	14.22	1116.19	-2136.01	1042.21	2062.03-484.90
1	122	57	5.57	-17.62	-13.79	1.74	-8.61	1125.87	-541.54	375.69	208.64 829.51
1	122	58	-4.79e-02	-3.94	-0.48	-3.50	-1.22	330.51	-26.31	-11.70	315.90 70.71
1	122	59	-1.39	-58.13	-2.58	-56.93	-8.16	2471.66	24.02	24.53	2471.15 35.38
1	122	60	2.79	-61.00	2.78	-60.99	0.67	2577.64	-1753.45	-1675.99	2500.19 574.00
1	122	61	-29.19	-46.20	-41.62	-33.76	-7.54	1.164e+04	9858.49	1.054e+04	1.096e+04867.13
1	122	62	-30.99	-75.10	-72.83	-33.26	-9.76	4773.12	-403.73	-117.93	4487.32 1182.31
1	122	63	-21.16	-68.30	-59.58	-29.89	-18.31	2694.45	-1545.08	-1239.03	2388.401097.19
1	122	64	-25.00	-48.94	-46.25	-27.69	-7.56	2232.01	-1729.01	-1571.49	2074.49 774.04
1	122	65	-27.93	-42.12	-35.49	-34.56	7.08	3030.13	-1323.83	-1276.56	2982.87 451.16
1	122	66	-21.82	-45.93	-24.22	-43.53	7.22	6218.69	232.24	252.88	6198.05 350.94
1	122	67	-42.18	-53.57	-46.32	-49.43	5.48	1.304e+04	1.034e+04	1.053e+04	

1.285e+04691.45										
1	122	68	-35.66	-65.55	-63.06	-38.14	8.26	4687.12	-1345.84	-1256.38
4597.67 729.15										
1	122	69	-25.31	-59.85	-55.66	-29.49	11.27	2747.34	-1811.90	-1772.45
2707.89 422.24										
1	122	70	-13.06	-65.12	-48.30	-29.88	24.35	2900.71	-1707.95	-1707.04
2899.80 -64.88										
1	122	71	-15.42	-56.48	-40.46	-31.44	20.03	4643.62	-1405.63	-1391.10
4629.09-296.06										
1	122	72	-20.51	-53.58	-32.36	-41.74	15.86	1.282e+04	1.041e+04	1.044e+04
1.280e+04-243.27										
1	122	73	-16.93	-39.47	-20.11	-36.30	7.84	5957.03	-139.16	-137.91
5955.78 87.33										
1	122	74	-15.09	-20.27	-16.14	-19.22	2.08	2765.47	-1589.11	-1589.08
2765.44 -11.32										
1	122	75	-4.46	-14.92	-12.28	-7.10	4.54	1520.38	-2013.93	-1975.87
1482.31 -364.81										
1	122	76	-9.72e-02	-14.60	-13.09	-1.60	4.42	1148.91	-2167.33	-1990.98
972.56 -744.12										
1	122	77	-9.75	-20.45	-20.43	-9.77	-0.48	1277.21	-2218.92	-1910.32
968.61 -991.80										
1	122	78	-21.52	-42.90	-22.63	-41.78	4.76	2063.28	-3615.30	-3424.27
1872.25-1023.83										
1	122	79	-3.50	-51.47	-21.62	-33.34	23.26	1.058e+04	9226.40	1.006e+04
9754.25-661.69										
1	122	80	-0.28	-66.85	-0.59	-66.54	4.52	1915.50	-1773.20	-1729.19
1871.49 -400.52										
1	122	81	-2.44	-65.97	-3.01	-65.40	5.98	1945.01	99.76	101.66
1943.12 -59.13										
1	122	82	-10.75	-69.77	-31.59	-48.93	-28.21	3704.67	-649.19	3040.50
14.98 1565.43										
1	122	83	-45.60	-83.76	-46.87	-82.50	-6.83	3078.33	794.35	2752.67
1120.00 798.58										
1	122	84	-34.01	-73.29	-35.74	-71.56	8.07	2608.57	816.47	2508.89
916.16 -410.73										
1	122	85	-5.40	-78.32	-26.82	-56.90	33.22	2673.57	-1121.35	2559.80
1007.57 -647.16										
1	122	86	-2.79	-83.53	-2.96	-83.37	-3.60	617.23	-82.28	13.59
521.36 240.56										
1	122	87	-0.18	-52.50	-14.22	-38.47	-23.18	2999.05	-2149.95	368.62
480.48 2573.89										
1	122	88	7.67	-119.16	-54.21	-57.27	-63.40	1409.50	1103.75	1103.76
1409.50 0.76										
1	122	89	-8.29	-101.36	-53.89	-55.76	-46.52	1305.68	-1262.04	-1136.56
1180.20 553.58										
1	122	90	-26.09	-74.96	-47.02	-54.03	-24.18	1416.70	-2015.34	-1680.52
1081.88 1018.35										
1	122	91	-39.82	-67.18	-40.69	-66.31	-4.79	2248.86	-1831.26	-1121.56
1539.16 1546.61										
1	122	92	-32.82	-82.85	-32.83	-82.84	-0.66	3614.78	-489.36	1210.86
1914.55 2021.68										
1	122	93	-52.36	-82.88	-65.19	-70.05	-15.06	2501.40	-137.39	242.89
2121.12 -926.75										
1	122	94	-54.16	-66.59	-66.57	-54.17	0.38	1488.31	-1795.36	-1795.27
1488.21 -17.90										
1	122	95	-37.32	-77.93	-59.71	-55.54	20.20	1625.82	-1803.63	-1719.92
1542.10 529.23										
1	122	96	-31.37	-86.18	-49.69	-67.86	25.85	2752.05	-563.03	121.06
2067.961341.58										
1	122	97	-28.64	-62.41	-28.71	-62.35	1.49	3029.63	-499.38	840.61
1689.63-1712.68										
1	122	98	-32.81	-38.66	-32.85	-38.63	0.44	1722.30	-2120.39	-1580.67
1182.59-1335.16										
1	122	99	-14.45	-37.92	-34.24	-18.13	8.54	832.89	-2664.57	-2310.70
479.02-1054.72										
1	122	100	-4.20	-44.54	-38.05	-10.69	14.81	503.69	-2648.21	-2306.28
161.75 -980.22										
1	122	101	-5.90	-57.63	-44.35	-19.19	22.60	451.43	-2143.94	-1861.25
168.75 -808.55										

1	122	102	11.56	-95.11	-44.04	-39.51	53.29	154.61	-859.52	-816.34
111.43	204.76									
1	122	103	-8.44	-73.68	-19.19	-62.93	24.20	2167.79	-1518.19	326.29
323.31	-1842.99									
1	122	104	-3.04	-117.70	-3.14	-117.60	3.39	391.93	-52.49	-4.28
343.72	-138.20									
1	122	105	49.48	-1.22	-1.21	49.48	0.53	-7.83	-1425.08	-37.28
1395.63	202.19									
1	122	106	51.82	-28.93	-4.04	26.93	-37.29	1618.44	-2532.09	419.98
1333.63	1880.94									
1	122	107	38.88	-84.63	-11.15	-34.60	-60.63	1465.81	-2740.72	534.32
1809.24	1746.61									
1	122	108	26.35	-115.68	-17.01	-72.32	-65.41	273.89	-2051.46	-105.54
1672.03	859.26									
1	122	109	-0.76	-106.98	-29.66	-78.08	-47.27	-578.20	-2054.27	-1196.70
1435.77	728.29									
1	122	110	-23.85	-91.37	-39.56	-75.66	-28.53	-386.73	-2586.93	-1614.33
1359.32	1092.69									
1	122	111	-39.15	-84.53	-45.08	-78.60	-15.30	152.31	-2771.30	-1184.15
1434.84	1456.42									
1	122	112	-45.34	-89.69	-47.18	-87.85	-8.84	607.33	-2453.37	-148.73
1697.31	1320.02									
1	122	113	-52.56	-96.89	-56.99	-92.46	-13.30	211.96	-1997.11	110.81
1895.96	461.76									
1	122	114	-55.41	-87.47	-61.94	-80.94	-12.91	-616.04	-1574.15	-649.19
1541.00	-175.11									
1	122	115	-64.07	-69.79	-64.94	-68.91	-2.06	-1255.59	-1732.02	-1731.57
1256.04	-14.62									
1	122	116	-53.88	-75.35	-61.69	-67.54	10.33	-986.56	-2028.59	-1709.49
1305.66	480.30									
1	122	117	-47.23	-83.21	-54.88	-75.55	14.72	-524.27	-1891.85	-808.19
1607.93	554.68									
1	122	118	-46.34	-78.94	-49.23	-76.05	9.27	-157.83	-1971.28	-163.80
1965.31	-103.88									
1	122	119	-39.51	-62.44	-39.85	-62.10	2.77	-2.29	-2357.40	-585.95
1773.74	-1016.82									
1	122	120	-35.30	-47.12	-38.81	-43.61	5.40	-386.36	-2940.87	-1804.06
1523.18	-1269.51									
1	122	121	-20.89	-45.69	-37.49	-29.09	11.67	-636.41	-3189.21	-2481.39
1344.23	-1142.77									
1	122	122	-7.00	-51.12	-36.96	-21.17	20.60	-605.53	-3023.79	-2451.67
1177.65	-1027.72									
1	122	123	-4.52	-56.19	-37.57	-23.15	24.81	-352.04	-2339.65	-1707.52
984.17	-925.65									
1	122	124	20.09	-83.98	-35.23	-28.67	51.93	72.43	-1164.44	-227.56
864.45	-530.14									
1	122	125	26.28	-90.35	-25.46	-38.61	57.95	1007.80	-1299.83	728.54
1020.57	-752.62									
1	122	126	16.54	-56.02	-2.91	-36.56	32.15	951.43	-1280.61	295.62
624.80	-1016.72									
1	122	127	-0.13	-32.16	-0.31	-31.99	-2.37	-5.24	-654.79	-20.36
639.67	-97.95									
1	122	128	147.41	-1.18	-1.17	147.41	-0.84	-34.31	-2790.66	-39.99
2784.98	125.00									
1	122	129	110.46	-22.39	-11.76	99.83	-36.05	733.77	-3201.67	336.08
2803.98	1186.14									
1	122	130	47.76	-72.90	7.96	-33.10	-56.73	-151.91	-4320.53	-596.51
3875.93	1286.73									
1	122	131	17.63	-106.86	2.37	-91.60	-40.82	-760.61	-4599.23	-1087.71
4272.14	1071.73									
1	122	132	-9.59	-105.78	-15.81	-99.56	-23.66	-1271.77	-4419.82	-1618.73
4072.86	985.83									
1	122	133	-30.70	-96.44	-33.12	-94.02	-12.37	-1411.47	-4420.50	-1850.20
3981.77	1061.92									
1	122	134	-46.94	-91.36	-47.67	-90.63	-5.66	-1222.75	-4647.68	-1647.63
4222.79	1129.01									
1	122	135	-58.16	-92.00	-58.39	-91.77	-2.76	-1006.68	-4884.06	-1267.83
4622.91	971.78									
1	122	136	-63.69	-92.57	-63.96	-92.30	-2.76	-1085.63	-4865.50	-1186.00

4765.13 607.72											
1	122	137	-64.17	-88.67	-64.37	-88.47	-2.19	-1510.02	-4493.32	-1535.49	-
4467.85 274.46											
1	122	138	-60.88	-82.43	-61.48	-81.83	3.54	-2005.55	-4078.21	-2019.48	-
4064.28 169.35											
1	122	139	-54.94	-82.97	-59.79	-78.12	10.60	-2031.74	-4182.11	-2052.88	-
4160.97 212.18											
1	122	140	-52.71	-84.35	-60.00	-77.06	13.32	-1713.73	-4579.89	-1718.64	-
4574.97 118.56											
1	122	141	-52.02	-79.59	-58.97	-72.64	11.97	-1471.52	-4859.32	-1483.39	-
4847.45-200.15											
1	122	142	-45.82	-69.36	-52.19	-63.00	10.46	-1650.11	-4726.66	-1755.48	-
4621.29-559.52											
1	122	143	-33.78	-58.85	-41.64	-50.98	11.64	-2098.18	-4414.72	-2362.01	-
4150.89 -735.91											
1	122	144	-19.67	-51.76	-30.45	-40.98	15.16	-2314.61	-3987.22	-2804.57	-
3497.26 -761.21											
1	122	145	-8.46	-47.90	-22.13	-34.22	18.77	-2051.27	-3575.16	-2723.87	-
2902.56-756.69											
1	122	146	-6.08	-43.46	-22.72	-26.81	18.58	-1192.23	-2705.46	-1762.40	-
2135.29-733.28											
1	122	147	22.40	-72.13	-48.55	-1.18	40.90	128.78	-1553.90	-55.30	-
1369.82-525.23											
1	122	148	30.38	-68.46	-16.91	-21.17	49.38	551.38	-1282.32	334.56	-
1065.50-592.09											
1	122	149	15.62	-27.84	-5.08	-7.14	21.71	549.38	-998.49	251.62	-
700.73-610.11											
1	122	150	3.28	-1.44	-1.31	3.14	0.79	-21.95	-736.50	-27.38	-
731.07-62.05											
1	122	151	186.42	4.39	4.49	186.32	4.37	-9.55	-3873.41	-13.68	-
3869.28 126.24											
1	122	152	150.11	-22.37	-6.83	134.57	-49.39	117.25	-4167.56	-75.49	-
3974.82 888.09											
1	122	153	43.67	-89.44	19.95	-65.72	-50.94	52.89	-3813.63	-283.31	-
3477.431089.45											
1	122	154	-2.17	-119.25	-2.37	-119.05	-4.77	-94.41	-3534.97	-775.02	-
2854.361370.57											
1	122	155	-34.27	-110.95	-35.32	-109.90	8.91	-580.70	-3319.06	-1421.23	-
2478.531263.01											
1	122	156	-52.87	-98.83	-54.19	-97.51	7.70	-935.17	-3144.36	-1670.00	-
2409.531040.87											
1	122	157	-61.98	-94.47	-62.79	-93.66	5.05	-1048.15	-3003.19	-1455.12	-
2596.22 793.74											
1	122	158	-65.57	-96.28	-66.13	-95.73	4.08	-853.29	-3106.55	-1095.62	-
2864.21 698.08											
1	122	159	-67.50	-97.54	-68.23	-96.81	4.62	-828.52	-3182.23	-1058.09	-
2952.65 698.31											
1	122	160	-68.32	-95.13	-69.88	-93.57	6.28	-1198.39	-3041.99	-1439.90	-
2800.49 622.02											
1	122	161	-66.23	-91.18	-70.18	-87.24	9.10	-1789.40	-2728.79	-1920.31	-
2597.88 325.32											
1	122	162	-61.30	-89.68	-68.12	-82.86	12.13	-1925.80	-2656.86	-1927.61	-
2655.05 -36.36											
1	122	163	-56.61	-89.07	-64.56	-81.13	13.96	-1535.99	-2931.07	-1575.16	-
2891.89-230.47											
1	122	164	-51.18	-85.73	-60.06	-76.84	15.10	-1278.04	-3091.49	-1310.86	-
3058.67-241.74											
1	122	165	-44.34	-78.21	-55.55	-67.00	15.94	-1517.55	-2930.45	-1532.75	-
2915.26 -145.72											
1	122	166	-35.69	-68.80	-50.85	-53.64	16.50	-2105.29	-2630.87	-2133.68	-
2602.48 -118.82											
1	122	167	-27.04	-59.39	-45.29	-41.13	16.04	-2014.69	-2689.04	-2608.01	-
2095.72-219.26											
1	122	168	-20.78	-50.15	-39.60	-31.33	14.09	-1502.61	-2620.42	-2494.88	-
1628.16 -352.95											
1	122	169	-14.45	-43.72	-36.22	-21.94	12.78	-907.08	-1849.64	-1564.78	-
1191.94-432.85											
1	122	170	5.39	-49.56	-32.06	-12.12	25.60	337.79	-1098.75	129.59	-
890.55-505.71											

1	122	171	20.17	-51.21	-16.75	-14.29	35.67	460.55	-1110.45	341.84	-991.73
-415.22											
1	122	172	18.05	-17.30	-4.89	5.64	16.88	311.78	-789.33	248.08	-725.63
-257.07											
1	122	173	18.10	-1.38	-1.32	18.04	1.03	-26.68	-765.15	-27.46	-764.36
-24.03											
1	122	174	151.24	-0.83	9.05	141.36	37.48	582.90	-6554.24	530.88	-6502.22
607.07											
1	122	175	163.30	-119.85	-105.41	148.86	-62.30	-1287.27	-8152.78	-2743.48	-6696.56
2806.62											
1	122	176	14.80	-192.45	4.63	-182.28	-44.77	2445.39	-3747.42	817.97	-2120.00
2725.77											
1	122	177	-55.58	-152.86	-67.40	-141.04	31.79	1476.34	-2784.32	-644.26	-663.72
2130.31											
1	122	178	-69.58	-117.53	-82.86	-104.25	21.46	679.11	-2652.17	-1526.67	-446.40
1575.63											
1	122	179	-77.07	-96.41	-82.11	-91.38	8.48	10.99	-2327.52	-1840.51	-476.01
949.57											
1	122	180	-78.79	-91.66	-79.07	-91.38	1.85	-484.02	-1585.92	-1368.01	-701.94
438.90											
1	122	181	-75.60	-97.84	-75.66	-97.79	1.09	-333.88	-1305.67	-591.16	-1048.39
428.76											
1	122	182	-78.05	-100.57	-78.47	-100.15	3.03	26.44	-1700.36	-496.98	-1176.94
793.65											
1	122	183	-78.65	-98.48	-79.97	-97.15	4.95	-197.73	-2055.12	-1269.97	-982.88
917.54											
1	122	184	-75.48	-93.25	-77.86	-90.87	6.06	-721.34	-2258.35	-2126.05	-853.65
431.10											
1	122	185	-71.20	-90.91	-75.54	-86.57	8.17	-876.02	-2112.51	-2066.11	-922.42
-235.00											
1	122	186	-68.04	-89.63	-73.04	-84.63	9.11	-657.50	-1813.15	-1327.47	-1143.18
-570.43											
1	122	187	-60.89	-87.74	-68.12	-80.52	11.91	-519.93	-1543.67	-646.15	-1417.45
-336.58											
1	122	188	-52.42	-79.24	-61.94	-69.72	12.83	-834.20	-1410.83	-895.98	-1349.06
178.34											
1	122	189	-43.42	-71.04	-59.01	-55.45	13.69	-946.64	-2047.35	-1901.27	-1092.72
373.43											
1	122	190	-33.75	-62.93	-54.55	-42.13	13.20	-846.43	-2660.73	-2650.72	-856.44
134.39											
1	122	191	-26.00	-56.57	-50.52	-32.04	12.18	-683.39	-2615.29	-2594.95	-703.72
-197.16											
1	122	192	-20.35	-50.97	-46.55	-24.77	10.76	-399.21	-1891.45	-1681.02	-609.64
-519.35											
1	122	193	-4.55	-50.91	-42.10	-13.36	18.19	557.93	-1280.17	26.47	-748.71
-833.32											
1	122	194	11.15	-43.97	-19.29	-13.54	27.41	1030.74	-1103.67	957.36	-1030.30
-388.89											
1	122	195	9.63	-10.87	-4.21	2.96	9.60	311.28	-733.31	291.78	-713.81
141.39											
1	122	196	14.00	-0.62	-0.36	13.74	1.93	-16.63	-714.66	-16.67	-714.62
5.31											
1	122	197	-9.75	-952.42	-24.42	-937.75	-116.69	1.105e+04	-714.47	-708.31	1.104e+04
-269.03											
1	122	198	-25.55	-796.96	-25.88	-796.63	15.96	1.375e+04	2679.98	4147.26	1.229e+04
3754.47											
1	122	199	-156.05	-309.18	-199.29	-265.94	68.93	6614.60	-2887.75	-1345.68	5072.52
3503.62											
1	122	200	-118.41	-185.45	-179.44	-124.41	19.14	3508.61	-1549.18	-661.96	2621.40
1923.59											
1	122	201	-88.59	-128.39	-127.86	-89.12	-4.57	2262.27	-2457.53	-1906.68	1711.41
1515.41											
1	122	202	-79.60	-102.17	-96.22	-85.55	-9.95	1482.14	-2545.04	-2373.46	1310.57
813.34											
1	122	203	-77.96	-98.06	-84.68	-91.34	-9.48	1411.74	-1571.17	-1568.83	1409.41
83.42											
1	122	204	-82.69	-100.73	-85.27	-98.16	-6.31	1312.92	521.67	586.89	1247.70
-217.60											
1	122	205	-90.62	-111.40	-92.29	-109.73	-5.65	1726.74	-451.60	572.12	703.02
1087.20											

1	122	206	-94.54	-99.96	-97.76	-96.74	-2.66	1667.45	-1703.67	-1227.32 1191.10 1174.28
1	122	207	-81.57	-95.08	-81.60	-95.05	-0.67	779.48	-2678.37	-2618.35 719.46 451.62
1	122	208	-75.79	-93.39	-78.53	-90.64	6.39	725.13	-2548.11	-2506.65 683.68 -366.02
1	122	209	-77.79	-93.01	-86.43	-84.37	7.54	1319.89	-1522.31	-1178.91 976.49 -926.33
1	122	210	-69.64	-97.91	-79.76	-87.80	13.55	1252.10	-358.34	577.41 316.35 -794.57
1	122	211	-64.54	-81.89	-75.69	-70.74	8.31	1276.01	-203.62	405.26 667.13 728.13
1	122	212	-51.92	-71.46	-66.38	-57.01	8.57	645.49	-2041.44	-1896.64 500.69 606.73
1	122	213	-38.22	-62.34	-56.64	-43.92	10.25	-37.93	-2995.44	-2989.84 - 43.53128.55
1	122	214	-26.13	-60.56	-54.01	-32.68	13.51	-256.88	-3002.38	-2976.74 - 282.52-264.09
1	122	215	-17.24	-62.36	-57.66	-21.94	13.79	44.40	-2338.07	-2141.88 - 151.79-654.93
1	122	216	-19.46	-62.03	-56.41	-25.08	14.41	1719.84	-1871.09	-264.38 113.13-1785.51
1	122	217	15.43	-62.63	-36.34	-10.86	36.89	2989.20	-1300.19	2971.78 - 1282.77-272.78
1	122	218	-7.17	-12.03	-7.73	-11.47	1.55	1164.82	-627.87	240.69 296.26 895.92
1	122	219	-2.47	-25.58	-2.48	-25.57	-0.24	242.71	-6.14	-0.64 237.21 36.60
1	122	220	9.19	-722.21	-9.45	-703.57	115.26	9474.59	-370.81	-328.17 9431.95 646.56
1	122	221	117.74	-881.51	96.48	-860.26	-144.18	1.019e+04	145.86	1508.34 8827.57-3439.28
1	122	222	-134.44	-371.26	-271.27	-234.43	-116.97	7734.88	619.91	1024.62 7330.17-1647.94
1	122	223	-74.28	-206.42	-156.30	-124.40	-64.12	4571.34	-160.99	-153.02 4563.37 194.03
1	122	224	-51.99	-141.69	-91.35	-102.32	-44.51	2181.35	-2433.23	-2345.68 2093.81 629.54
1	122	225	-42.36	-120.13	-61.29	-101.19	-33.38	1467.18	-3026.42	-2902.74 1343.50 735.19
1	122	226	-47.81	-112.34	-60.44	-99.71	-25.60	2189.63	-2343.35	-2229.46 2075.74 709.43
1	122	227	-76.33	-113.75	-95.13	-94.94	-18.71	5106.33	792.39	882.65 5016.07 617.44
1	122	228	-83.14	-152.76	-147.99	-87.91	-17.59	7357.33	4602.74	4693.06 7267.01 490.56
1	122	229	-89.89	-111.54	-91.85	-109.58	-6.21	2441.58	-1801.97	-1775.75 2415.36 332.53
1	122	230	-65.61	-109.63	-65.67	-109.56	-1.72	853.47	-3308.37	-3303.69 848.80 139.44
1	122	231	-63.15	-104.57	-63.44	-104.28	3.45	939.18	-3144.37	-3143.98 938.79 -39.89
1	122	232	-74.15	-95.92	-76.57	-93.50	6.84	2308.09	-1689.77	-1682.55 2300.87-169.66
1	122	233	-62.82	-148.33	-146.57	-64.58	12.12	6960.00	4777.96	4829.72 6908.23-332.06
1	122	234	-64.58	-108.66	-104.66	-68.58	12.66	4401.83	894.29	926.66 4369.46-335.40
1	122	235	-43.96	-75.18	-56.00	-63.15	15.19	1013.77	-2456.00	-2415.08 972.85 -374.57
1	122	236	-28.63	-65.18	-39.51	-54.30	16.71	-408.36	-3455.19	-3403.61 - 459.93-393.04
1	122	237	-23.69	-57.15	-39.13	-41.71	16.68	-843.03	-3443.82	-3380.68 - 906.17-400.28
1	122	238	-25.66	-62.09	-55.77	-31.98	13.79	-492.77	-2598.88	-2519.94 - 571.71-400.03
1	122	239	-9.28	-102.28	-96.08	-15.48	23.21	918.52	-3052.79	-3021.78 887.52 -349.52
1	122	240	9.71	-74.64	-58.80	-6.12	32.94	1.084e+04	9061.59	1.077e+04

9131.41	-345.67									
1	122	241	-5.27	-30.86	-9.14	-26.99	9.17	1342.15	-1590.75	-1559.88
1311.28	-299.32									
1	122	242	-1.66	-17.61	-2.16	-17.12	-2.77	1490.02	70.69	71.82
1488.89	-39.99									
1	122	243	54.99	-25.76	5.67	23.55	-39.37	527.89	-4924.05	499.11
4895.27	-395.06									
1	122	244	157.35	-105.76	-104.59	156.18	17.49	-2455.48	-5288.16	-2631.63
5112.02	-684.05									
1	122	245	-11.23	-104.53	-15.41	-100.35	19.29	1340.20	-1068.97	1276.64
1005.42	-386.11									
1	122	246	-41.38	-116.95	-60.83	-97.50	-33.04	864.12	75.03	223.89
715.26	-308.72									
1	122	247	-36.69	-131.41	-69.66	-98.44	-45.12	991.19	-1704.40	-1698.27
985.07	128.31									
1	122	248	-37.96	-129.52	-69.82	-97.66	-43.61	1196.01	-2615.98	-2436.46
1016.49	807.53									
1	122	249	-45.26	-129.48	-73.43	-101.31	-39.73	1863.19	-2317.01	-1769.98
1316.15	1409.77									
1	122	250	-66.11	-129.29	-86.69	-108.71	-29.61	2363.87	-786.39	290.99
1286.49	1494.42									
1	122	251	-87.19	-129.28	-96.72	-119.76	-17.61	821.79	221.95	245.20
798.55	-115.78									
1	122	252	-95.25	-121.89	-107.52	-109.61	-13.28	1433.45	-1691.06	-1609.09
1351.48	-499.41									
1	122	253	-93.87	-108.37	-94.98	-107.26	-3.85	921.62	-3012.77	-3004.86
913.70	-176.29									
1	122	254	-92.34	-102.48	-93.36	-101.47	3.04	887.94	-2848.34	-2829.24
868.84	266.45									
1	122	255	-88.59	-109.39	-102.51	-95.47	9.78	1241.96	-1562.21	-1445.64
1125.38	559.73									
1	122	256	-85.01	-103.39	-92.61	-95.79	9.05	586.23	234.26	410.41
410.08	175.99									
1	122	257	-62.65	-101.76	-88.97	-75.45	18.35	1967.33	-930.26	289.12
747.94	-1430.52									
1	122	258	-41.99	-94.11	-77.86	-58.24	24.14	1174.81	-2574.88	-1947.23
547.17	-1399.83									
1	122	259	-29.99	-82.10	-67.73	-44.36	23.29	275.06	-3275.02	-2991.92
8.05	-961.72									
1	122	260	-21.77	-74.63	-65.03	-31.37	20.38	-149.36	-3040.28	-2941.94
247.71	-524.05									
1	122	261	-12.01	-78.02	-69.73	-20.30	21.87	-104.44	-2080.25	-2073.82
110.88	-112.59									
1	122	262	-5.01	-82.88	-63.83	-24.06	33.47	1013.03	-1061.33	-180.08
131.78	1025.39									
1	122	263	2.46	-48.01	-40.82	-4.72	17.64	3035.41	-1345.06	2992.78
1302.43	-430.04									
1	122	264	21.59	-28.65	-8.19	1.14	24.68	1750.63	-1248.67	234.97
266.99	-1499.57									
1	122	265	-1.35	-7.25	-2.67	-5.93	2.46	262.93	-51.75	0.79
210.39	-117.36									
1	122	266	184.34	1.45	1.45	184.34	-0.29	27.28	-3168.70	17.30
3158.72	178.39									
1	122	267	144.04	-9.14	-6.99	141.89	18.02	299.07	-3671.75	-151.31
3221.38	1259.17									
1	122	268	2.70	-23.99	-0.98	-20.31	9.20	568.38	-3024.40	45.31
2501.34	1267.15									
1	122	269	-7.51	-87.11	-16.36	-78.26	-25.02	-189.36	-2001.89	-533.13
1658.11	710.58									
1	122	270	-21.31	-113.59	-40.67	-94.23	-37.57	-600.99	-1992.89	-1575.36
1018.53	637.83									
1	122	271	-35.82	-123.68	-59.74	-99.76	-39.10	-242.85	-2597.51	-2109.19
731.16	954.65									
1	122	272	-50.52	-128.60	-73.58	-105.53	-35.62	58.81	-2620.65	-1823.04
738.81	1225.15									
1	122	273	-63.32	-133.02	-81.98	-114.36	-30.86	-89.08	-2050.43	-1228.87
910.64	967.68									
1	122	274	-75.54	-134.72	-91.17	-119.09	-26.09	-507.04	-1541.04	-1090.05
958.02	512.77									

1	122	275	-89.61	-132.65	-100.53	-121.72	-18.73	-593.65	-2063.07	-2032.45	-624.27-209.90
1	122	276	-98.89	-118.36	-102.81	-114.44	-7.81	-443.22	-2927.71	-2917.78	-453.15-156.74
1	122	277	-102.47	-108.84	-103.42	-107.89	2.27	-551.59	-2760.62	-2757.13	-555.0787.68
1	122	278	-92.65	-112.94	-102.23	-103.37	10.13	-842.64	-1855.41	-1844.92	-853.13102.54
1	122	279	-78.48	-105.62	-95.84	-88.26	13.03	-526.21	-1659.75	-915.11	-1270.85 -538.14
1	122	280	-66.11	-101.41	-90.39	-77.13	16.35	-213.35	-2176.81	-1156.27	-1233.89-980.96
1	122	281	-50.84	-94.22	-85.62	-59.45	17.30	-160.30	-2863.81	-1996.60	-1027.51-1261.92
1	122	282	-35.80	-86.16	-78.21	-43.74	18.35	-384.33	-3115.08	-2654.26	-845.15-1022.75
1	122	283	-23.15	-78.98	-70.61	-31.52	19.93	-493.96	-2751.85	-2535.96	-709.85-663.96
1	122	284	-13.75	-71.26	-62.19	-22.82	20.95	-533.93	-1661.56	-1573.07	-622.43-303.25
1	122	285	7.66	-70.64	-53.43	-9.55	32.43	179.01	-754.07	175.56	-750.6256.61
1	122	286	20.37	-47.89	-25.54	-1.99	32.03	1043.91	-1087.07	1012.45	-1055.62-256.99
1	122	287	43.59	-15.60	-4.57	32.56	23.04	697.59	-1142.75	305.66	-750.81-753.44
1	122	288	47.84	-7.17e-02	-6.25e-02	47.83	-0.66	-8.35	-747.11	-18.88	-736.58-87.57
1	122	289	194.40	-0.57	-0.57	194.40	5.76e-02	-17.96	-2318.37	-45.59	-2290.74 250.59
1	122	290	146.51	-2.29	-1.86	146.08	8.03	938.02	-2802.00	343.69	-2207.671367.33
1	122	291	19.67	1.05	6.07	14.65	8.26	210.82	-3448.81	-589.99	-2648.001513.07
1	122	292	-6.09	-56.33	-7.06	-55.36	-6.91	-557.06	-3410.85	-1209.94	-2757.97 1198.71
1	122	293	-26.34	-90.49	-31.94	-84.90	-18.10	-1119.39	-3341.99	-1845.18	-2616.19 1042.29
1	122	294	-45.78	-108.26	-56.73	-97.31	-23.75	-1285.37	-3429.70	-2223.83	-2491.241063.80
1	122	295	-61.85	-121.09	-76.07	-106.86	-25.30	-1283.89	-3441.15	-2205.46	-2519.59 1067.13
1	122	296	-75.57	-130.69	-89.41	-116.84	-23.90	-1404.01	-3249.38	-2056.23	-2597.17 882.15
1	122	297	-88.51	-135.75	-99.30	-124.96	-19.83	-1809.76	-2904.07	-2206.09	-2507.73 525.96
1	122	298	-98.05	-133.59	-105.53	-126.11	-14.49	-2159.04	-2762.11	-2697.81	-2223.35 186.13
1	122	299	-107.33	-124.66	-110.36	-121.63	-6.59	-1959.97	-3192.97	-3190.18	-1962.77 -58.66
1	122	300	-111.19	-114.43	-112.00	-113.63	1.40	-2046.97	-3069.34	-3028.27	-2088.04-200.76
1	122	301	-101.10	-115.36	-110.82	-105.64	6.64	-2008.76	-2871.18	-2417.76	-2462.18-430.64
1	122	302	-89.21	-112.34	-107.77	-93.79	9.21	-1567.20	-3102.18	-1875.97	-2793.40-615.32
1	122	303	-72.69	-105.84	-101.99	-76.54	10.62	-1378.23	-3252.76	-1838.74	-2792.25-806.96
1	122	304	-55.82	-96.51	-93.61	-58.72	10.46	-1510.96	-3208.54	-2245.49	-2474.01-841.06
1	122	305	-40.46	-84.95	-82.20	-43.22	10.73	-1610.86	-3101.61	-2589.10	-2123.38-708.07
1	122	306	-27.57	-72.82	-69.35	-31.04	12.04	-1403.70	-2675.30	-2398.54	-1680.46-524.72
1	122	307	-15.57	-60.88	-57.49	-18.97	11.93	-952.47	-1742.38	-1412.64	-1282.21-389.54
1	122	308	3.54	-50.79	-45.05	-2.20	16.70	422.53	-966.71	374.53	-918.71-253.73
1	122	309	19.16	-33.48	-22.64	8.31	21.29	479.33	-1077.64	424.88	-

1023.20	-286.01										
	1	122	310	45.49	-7.46	-5.26	43.29	10.55	337.78	-858.98	236.62	-
757.81	-332.92										
	1	122	311	69.28	-1.04	-1.04	69.27	-0.49	-22.17	-817.80	-25.97	-
814.01	-54.83										
	1	122	312	198.47	-0.89	-0.88	198.47	0.77	-14.81	-2208.33	-28.45	-
2194.69	172.42										
	1	122	313	137.34	-14.12	-13.46	136.69	9.96	558.36	-2416.79	360.14	-
2218.57	741.92										
	1	122	314	32.87	-20.14	-4.15	16.88	24.33	-534.64	-3757.04	-849.84	-
3441.83	957.27										
	1	122	315	-1.67	-62.12	-18.25	-45.54	26.97	-1120.82	-4576.25	-1586.49	-
4110.57	1179.93										
	1	122	316	-32.56	-83.40	-41.21	-74.76	19.10	-1617.57	-4742.34	-2223.17	-
4136.74	1235.16										
	1	122	317	-62.59	-92.70	-65.27	-90.01	8.58	-2000.94	-4679.78	-2617.87	-
4062.84	1127.85										
	1	122	318	-87.94	-102.24	-87.95	-102.23	0.34	-2196.39	-4609.46	-2675.84	-
4130.01	962.84										
	1	122	319	-104.81	-116.21	-105.98	-115.04	-3.45	-2236.36	-4632.47	-2607.77	-
4261.07	867.17										
	1	122	320	-115.77	-126.53	-116.94	-125.36	-3.36	-2404.10	-4545.92	-2817.62	-
4132.40	845.39										
	1	122	321	-121.07	-129.47	-121.17	-129.37	-0.91	-2810.46	-4180.16	-3368.21	-
3622.41	672.95										
	1	122	322	-122.06	-126.29	-122.14	-126.21	-0.58	-3108.82	-3899.29	-3889.79	-
3118.31	86.10										
	1	122	323	-117.41	-124.62	-124.51	-117.52	-0.89	-2856.82	-4129.08	-3657.86	-
3328.04	-614.38										
	1	122	324	-106.84	-127.93	-127.91	-106.86	0.54	-2274.44	-4613.00	-2900.27	-
3987.18	-1035.31										
	1	122	325	-90.54	-128.81	-128.50	-90.86	3.45	-1887.68	-4856.81	-2199.21	-
4545.28	-909.90										
	1	122	326	-71.49	-120.23	-119.98	-71.74	3.48	-1954.93	-4667.30	-2079.18	-
4543.05	-567.07										
	1	122	327	-54.31	-103.19	-103.18	-54.32	0.71	-2364.19	-4133.46	-2424.16	-
4073.49	-320.16										
	1	122	328	-41.17	-82.91	-82.59	-41.49	-3.63	-2666.22	-3621.17	-2715.46	-
3571.92	-211.19										
	1	122	329	-30.39	-65.32	-63.58	-32.13	-7.60	-2506.23	-3028.79	-2547.70	-
2987.32	-141.26										
	1	122	330	-18.47	-54.95	-52.80	-20.62	-8.60	-1517.40	-2256.25	-1530.88	-
2242.77	-98.90										
	1	122	331	14.27	-70.67	-69.88	13.48	-8.15	308.32	-1427.07	293.83	-
1412.58	-157.89										
	1	122	332	7.64	-26.15	-26.10	7.58	-1.36	479.93	-1101.64	475.98	-
1097.70	-78.89										
	1	122	333	37.39	-5.81	-5.71	37.29	2.11	237.08	-746.26	235.41	-
744.59	40.44										
	1	122	334	63.79	-1.35	-1.35	63.78	-0.42	-27.06	-791.38	-27.20	-
791.23	-10.54										
	1	122	335	113.71	-1.72	-1.72	113.71	0.46	-22.80	-1258.98	-30.63	-
1251.14	98.12										
	1	122	336	85.32	-12.34	-3.34	76.32	28.25	340.58	-1200.36	338.74	-
1198.52	53.23										
	1	122	337	37.69	-56.97	-23.85	4.57	45.15	226.40	-1823.76	137.34	-
1734.71	417.90										
	1	122	338	18.57	-108.28	-46.56	-43.15	63.40	162.45	-2546.99	-636.43	-
1748.12	1235.44										
	1	122	339	-11.19	-120.52	-72.37	-59.33	54.28	-240.85	-3149.47	-1767.96	-
1622.36	1452.48										
	1	122	340	-43.97	-123.43	-94.62	-72.78	38.20	-621.77	-3260.26	-2392.72	-
1489.31	1239.50										
	1	122	341	-73.93	-128.45	-112.23	-90.15	24.92	-831.97	-2900.94	-2384.31	-
1348.59	895.54										
	1	122	342	-98.44	-138.93	-128.83	-108.54	17.52	-740.75	-2446.34	-1858.21	-
1328.88	810.69										
	1	122	343	-116.16	-151.77	-142.49	-125.44	15.63	-375.49	-2995.99	-2099.56	-
1271.91	1243.18										

1	122	344	-116.55	-164.88	-159.16	-122.28	15.61	-172.74	-3753.44	-3214.10	-712.09	1280.76
1	122	345	-114.59	-168.13	-167.43	-115.29	6.08	-304.62	-4422.08	-4406.90	-319.81	249.58
1	122	346	-107.93	-165.69	-165.01	-108.61	-6.24	-135.67	-4304.51	-3987.02	-453.16	-1105.79
1	122	347	-103.17	-157.29	-155.38	-105.09	-10.00	247.35	-3616.41	-2381.94	-987.12	-1801.61
1	122	348	-93.49	-140.92	-140.60	-93.81	-3.91	57.38	-2667.38	-966.60	-1643.40	-1319.68
1	122	349	-66.80	-130.02	-129.58	-67.24	-5.25	-684.09	-1727.97	-776.26	-1635.80	-296.17
1	122	350	-44.31	-116.60	-115.12	-45.79	-10.24	-1383.56	-1761.50	-1707.44	-1437.63	132.33
1	122	351	-24.73	-105.16	-100.93	-28.96	-17.96	-1322.67	-2280.35	-2258.80	-1344.22	142.03
1	122	352	-9.54	-95.97	-86.41	-19.09	-27.10	-1164.19	-2173.55	-2157.82	-1179.91	124.99
1	122	353	-3.17	-86.27	-73.15	-16.29	-30.30	-937.60	-1374.17	-1339.43	-972.34	118.15
1	122	354	5.54	-77.48	-57.76	-14.19	-35.34	269.34	-881.05	241.10	-852.81	-178.02
1	122	355	4.16	-45.90	-34.13	-7.61	-21.23	907.10	-1067.92	900.64	-1061.46	112.80
1	122	356	20.25	-10.14	-3.84	13.94	-12.32	444.89	-868.05	260.09	-683.25	456.60
1	122	357	32.35	-0.78	-0.62	32.19	2.29	-18.77	-693.73	-20.10	-692.39	30.01
1	122	358	-1.27	-11.07	-2.36	-9.98	3.08	418.83	8.61	15.21	412.23	51.61
1	122	359	23.29	-29.07	-13.71	7.93	23.84	870.60	-308.73	207.98	353.89	-585.13
1	122	360	21.30	-145.53	-88.86	-35.37	79.01	2736.92	-1159.65	568.67	1008.59	1935.83
1	122	361	3.36	-157.08	-113.01	-40.70	71.61	1674.72	-2345.38	-1473.45	802.78	1656.80
1	122	362	-27.20	-149.80	-125.53	-51.48	48.86	1470.84	-2899.64	-2273.64	844.84	1531.03
1	122	363	-62.82	-151.68	-138.51	-75.99	31.58	1930.48	-2735.52	-2422.53	1617.49	1167.24
1	122	364	-90.98	-158.08	-146.06	-103.00	25.73	2417.26	-934.86	-881.11	2363.51	421.06
1	122	365	-110.73	-213.37	-207.47	-116.63	23.89	3651.09	-3933.71	-3212.63	2930.00	2224.71
1	122	366	-96.98	-223.10	-222.53	-97.55	8.43	2316.58	-5491.51	-5483.61	2308.68	248.20
1	122	367	-91.04	-218.13	-214.62	-94.55	-20.82	2581.82	-5152.50	-4907.00	2336.33	-1355.91
1	122	368	-92.94	-196.12	-188.14	-100.93	-27.57	4218.84	-3427.46	-1945.10	2736.48	-3022.78
1	122	369	-62.05	-137.43	-133.35	-66.14	-17.07	1968.33	868.03	932.29	1904.07	258.02
1	122	370	-32.37	-129.69	-125.15	-36.91	-20.52	1263.39	-1261.99	-1254.79	1256.19	134.62
1	122	371	-9.11	-118.70	-110.56	-17.25	-28.74	525.28	-1935.65	-1935.27	524.89	30.88
1	122	372	3.24	-110.90	-98.33	-9.34	-35.74	185.24	-1903.72	-1901.84	183.36	62.65
1	122	373	3.34	-108.36	-89.40	-15.62	-41.94	163.83	-1380.89	-1380.81	163.75	-11.09
1	122	374	4.85	-106.34	-72.51	-28.98	-51.16	878.39	-940.78	-181.31	118.92	-897.12
1	122	375	-4.12	-30.92	-16.27	-18.77	-13.34	1502.58	-1018.96	267.82	215.80	1260.50
1	122	376	-2.42	-53.04	-2.52	-52.94	-2.28	262.95	-21.67	-3.23	244.51	70.07
1	122	377	-3.23	-72.45	-49.83	-25.85	32.47	2427.94	-215.13	2320.06	-107.26	522.97
1	122	378	-106.48	-185.15	-180.14	-111.48	19.21	2439.41	-791.70	27.16		

1620.541405.45											
	1	122	379	-83.03	-158.38	-157.03	-84.38	-10.00	3124.43	211.06	2148.46
1187.03-1375.08											
	1	122	380	-24.02	-51.06	-40.91	-34.17	-13.09	2764.11	-999.64	2764.02
999.5419.21											
	1	122	381	-0.36	-32.47	-1.96	-30.88	6.98	2470.23	8.12	23.59
2454.75 194.59											
	1	122	382	-3.35	-37.55	-5.84	-35.06	8.89	2665.41	-1731.49	-1503.79
2437.72 974.32											
	1	122	383	4.58	-83.03	-60.88	-17.57	38.08	1.026e+04	8020.28	8842.16
9433.961077.91											
	1	122	384	6.94	-133.20	-109.75	-16.51	52.31	3980.65	-411.59	-209.14
3778.20 921.00											
	1	122	385	18.86	-164.82	-128.70	-17.25	73.00	2453.83	-1485.65	-1067.99
2036.17 1212.82											
	1	122	386	2.53	-175.04	-147.33	-25.18	64.44	2693.83	-2551.34	-1546.38
1688.882064.27											
	1	122	387	-41.13	-191.90	-179.58	-53.45	41.31	4285.75	-3839.73	-2508.47
2954.493007.46											
	1	122	388	-59.32	-211.81	-199.72	-71.42	41.20	7516.63	-3572.64	-2809.24
6753.232807.62											
	1	122	389	-73.13	-254.81	-247.40	-80.53	35.93	1.434e+04	6852.40	7224.69
1.397e+041627.88											
	1	122	390	-75.42	-283.61	-282.73	-76.30	13.48	4898.93	-6216.11	-6191.04
4873.86 527.28											
	1	122	391	-64.36	-294.24	-294.23	-64.38	-1.99	2843.15	-6942.65	-6940.32
2840.82-150.98											
	1	122	392	-57.29	-282.06	-276.67	-62.68	-34.39	3248.66	-6490.00	-6411.72
3170.38-869.61											
	1	122	393	-49.72	-251.87	-244.78	-56.80	-37.17	5426.91	-4827.54	-4495.70
5095.07-1814.57											
	1	122	394	-43.78	-208.17	-193.10	-58.85	-47.44	1.473e+04	9741.96	1.080e+04
1.367e+04-2038.57											
	1	122	395	-35.42	-151.76	-138.05	-49.13	-37.51	6791.27	-62.27	470.05
6258.96-1834.36											
	1	122	396	-10.30	-137.65	-125.42	-22.52	-37.51	3349.08	-1241.66	-872.70
2980.13-1248.05											
	1	122	397	12.24	-118.43	-101.01	-5.18	-44.41	1726.69	-1575.39	-1414.07
1565.37 -711.81											
	1	122	398	16.24	-104.60	-86.29	-2.07	-43.33	988.88	-1491.15	-1469.52
967.25-230.60											
	1	122	399	3.64	-96.56	-80.97	-11.95	-36.32	932.47	-1313.74	-1308.99
927.71 103.22											
	1	122	400	-25.75	-77.68	-68.19	-35.25	-20.07	1827.66	-2448.40	-2433.73
1812.99 250.00											
	1	122	401	-13.20	-53.54	-45.06	-21.68	-16.44	9983.87	9249.72	9977.87
9255.72 66.11											
	1	122	402	-6.88	-40.20	-6.99	-40.09	-1.93	1753.47	-1711.09	-1709.42
1751.80 -76.15											
	1	122	403	0.23	-34.15	-1.84	-32.07	-8.19	1860.35	92.55	92.66
1860.24 -14.11											
	1	122	404	-4.96	-25.08	-4.98	-25.06	-0.63	1116.46	-97.46	-56.90
1075.90 218.15											
	1	122	405	8.79	-27.97	-2.10	-17.09	-16.78	2655.82	-430.08	965.21
1260.531535.87											
	1	122	406	-5.19	-58.41	-56.23	-7.37	10.54	1892.71	-1737.20	1446.39
1290.88 1192.02											
	1	122	407	-1.76	-91.95	-77.79	-15.92	32.81	795.89	105.81	791.26
110.45 56.37											
	1	122	408	14.45	-104.51	-74.03	-16.02	51.93	1460.64	-723.75	-20.44
757.33 1020.62											
	1	122	409	-6.84	-163.47	-154.02	-16.30	37.31	3467.93	-1307.82	579.90
1580.21 2334.91											
	1	122	410	-4.45	-236.69	-235.26	-5.88	18.17	3855.01	-4009.35	-1242.69
1088.343755.48											
	1	122	411	-8.54	-281.92	-281.06	-9.41	15.37	2056.77	-6983.20	-3767.22
1159.204327.80											
	1	122	412	-19.98	-372.87	-371.72	-21.13	20.07	-2493.98	-5448.41	-4768.51
3173.881243.57											

1	122	413	-15.86	-390.91	-390.57	-16.20	11.30	-243.79	-6079.93	-6008.98
314.74	-639.57									
1	122	414	-6.17	-367.19	-367.15	-6.20	3.53	-162.35	-7654.55	-7624.51
192.40	-473.47									
1	122	415	-0.65	-338.96	-336.09	-3.52	-31.03	-556.29	-7618.36	-7575.50
599.16	-548.54									
1	122	416	-11.38	-296.25	-293.76	-13.88	-26.54	-531.76	-4717.19	-4619.71
629.24	-631.28									
1	122	417	-10.35	-281.22	-278.03	-13.55	-29.25	1865.60	-2588.93	903.32
1626.65	-1833.17									
1	122	418	-9.78	-192.39	-191.46	-10.71	-12.98	5326.97	-1722.62	2610.20
994.16	-3430.93									
1	122	419	-11.48	-83.99	-78.98	-16.49	-18.38	2697.73	-1675.18	90.44
932.10	-2145.57									
1	122	420	3.51	-55.67	-41.92	-10.23	-24.99	1440.51	-1237.93	-563.63
766.20	-1162.49									
1	122	421	7.56	-46.85	-31.38	-7.91	-24.54	778.39	-854.68	-725.81
649.52	-440.29									
1	122	422	9.66	-52.54	-34.74	-8.14	-28.11	526.81	-777.37	-757.36
506.80	160.30									
1	122	423	-3.47	-58.39	-52.72	-9.13	-16.71	1365.23	-1156.18	64.12
144.93	1260.06									
1	122	424	-1.71	-50.06	-48.99	-2.78	-7.10	1606.78	-1782.27	1606.60
1782.09	24.64									
1	122	425	6.38	-21.10	-2.37	-12.35	12.80	1471.51	-560.48	468.05
442.98	-1015.92									
1	122	426	-3.12	-8.91	-3.42	-8.61	1.27	460.23	-57.94	-48.59
450.87	-69.01									
1	122	427	5.33	2.98	3.01	5.30	0.24	17.96	-36.84	13.82
32.70	-14.47									
1	122	428	-3.33	-19.70	-19.63	-3.39	-1.04	584.60	-93.35	544.36
53.12	160.18									
1	122	429	-2.62	-68.57	-68.42	-2.77	3.14	1400.51	-63.71	1363.81
27.01	1228.90									
1	122	430	-2.49	-119.32	-119.17	-2.65	4.26	756.01	-47.92	690.17
17.93	220.45									
1	122	431	1.77	-99.70	-99.67	1.74	-1.74	393.40	-277.29	174.90
58.78	314.33									
1	122	432	-2.82	-127.11	-127.04	-2.89	2.86	782.42	-582.18	477.48
277.24	568.45									
1	122	433	0.40	-226.44	-225.86	-0.18	11.47	218.54	-1550.85	-1169.36
162.95	727.65									
1	122	434	-4.11	-357.65	-357.26	-4.50	-11.73	435.83	-3956.76	-3846.57
325.63	686.96									
1	122	435	-3.19	-350.40	-350.39	-3.20	2.11	230.51	-4850.96	-4808.67
188.23	461.62									
1	122	436	-5.87	-427.50	-427.33	-6.03	8.40	81.15	-6037.74	-6035.07
78.47	127.96									
1	122	437	-6.16e-02	-364.87	-364.86	-6.21e-02	0.41	33.30	-7528.31	-7528.18
33.17	-31.03									
1	122	438	-1.65	-342.80	-342.71	-1.74	5.70	69.74	-7419.97	-7417.81
67.58	-127.19									
1	122	439	-6.17	-362.83	-362.70	-6.30	-6.89	181.25	-4427.14	-4402.20
156.31	-338.13									
1	122	440	-2.05	-246.37	-246.23	-2.19	-5.88	906.06	-326.46	683.65
104.05	-473.98									
1	122	441	-5.30	-199.09	-198.99	-5.41	4.58	2224.04	-253.12	2088.56
117.64	-563.26									
1	122	442	3.66	-94.44	-94.40	3.62	2.04	654.99	-329.48	343.39
17.88	-457.89									
1	122	443	2.80e-02	-37.63	-37.61	7.52e-03	0.88	78.51	-609.07	-492.12
38.44	-258.33									
1	122	444	-1.15	-22.71	-22.71	-1.15	-0.17	-29.00	-715.44	-692.64
51.80	-122.99									
1	122	445	-1.01	-35.01	-35.01	-1.02	0.27	-42.06	-679.71	-678.87
42.90	-23.05									
1	122	446	-6.48	-82.55	-82.47	-6.56	-2.51	213.01	-28.40	194.43
9.82	64.34									
1	122	447	-7.84e-02	-44.69	-42.27	-2.49	-10.09	1377.76	72.21	1377.72

72.25	7.12									
1	122	448	-1.51	-6.80	-6.67	-1.63	-0.81	401.21	8.36	396.34
13.23	-43.47									
1	122	449	7.41	2.64	3.53	6.52	-1.86	-10.41	-73.69	-42.36
41.7431.64										
1	155	13	5.22	0.53	1.44	4.30	-1.86	69.65	-24.29	-1.98
47.34	-39.98									
1	155	14	-4.01	-5.51	-5.23	-4.29	0.59	363.36	136.72	334.47
165.60	-75.58									
1	155	15	-1.00	-42.27	-40.32	-2.96	-8.78	1067.58	13.07	1066.24
14.41	-37.55									
1	155	16	-3.96	-68.83	-68.67	-4.12	-3.20	465.51	0.77	439.85
26.43	106.14									
1	155	17	-1.89	-8.41	-8.16	-2.14	-1.25	-33.48	-621.99	-598.62
56.85114.92										
1	155	18	15.85	-1.73	15.80	-1.68	-0.96	-76.19	-892.69	-892.68
76.19-1.11										
1	155	19	0.61	-1.46	0.30	-1.15	0.74	-29.23	-590.85	-562.07
58.02-123.85										
1	155	20	-2.09	-42.97	-42.65	-2.41	3.64	528.29	8.85	509.91
27.23	-95.97									
1	155	21	-3.56	-52.90	-52.43	-4.02	-4.75	1049.31	-57.32	1048.05
56.0537.37										
1	155	22	-2.62	-43.58	-43.53	-2.68	-1.52	297.37	-230.46	74.28
7.37260.74										
1	155	23	3.28	-1.68	3.26	-1.66	0.29	-31.46	-919.65	-886.57
64.54168.17										
1	155	24	-1.11	-3.49	-3.00	-1.60	0.96	-58.22	-828.84	-828.83
58.24-3.46										
1	155	25	-2.54	-47.15	-46.97	-2.71	2.78	93.60	-48.42	48.40
3.22-66.15										
1	155	26	-3.78	-51.31	-51.21	-3.87	2.14	977.55	-49.84	973.58
45.8763.74										
1	155	27	-2.87	-43.14	-43.01	-3.00	-2.29	489.32	-77.33	372.49
39.51	229.25									
1	155	28	12.09	-1.53	12.08	-1.52	-0.38	40.74	-879.89	-796.91
42.24263.64										
1	155	29	48.94	-1.72	48.94	-1.71	0.44	-42.68	-1240.77	-1223.67
59.78142.09										
1	155	30	61.67	-2.00	61.64	-1.96	1.54	-35.97	-1332.76	-1332.37
36.3622.49										
1	155	31	58.04	-2.32	58.04	-2.32	0.55	3.28	-1373.03	-1367.63
2.12-86.02										
1	155	32	12.44	-1.55	12.37	-1.48	1.00	179.72	-675.42	-627.17
131.46	-197.33									
1	155	33	8.64	-14.23	-3.64	-1.95	11.41	941.58	-35.52	938.19
32.13-57.46										
1	155	34	-0.25	-8.11	-0.25	-8.10	8.82e-02	393.99	58.63	393.10
59.53	17.31									
1	155	35	6.99	-0.20	0.21	6.58	1.66	-13.42	-32.64	-15.13
30.93-5.47										
1	155	36	-2.47	-9.84	-3.07	-9.24	2.02	598.49	26.57	66.97
558.10	-146.54									
1	155	37	2.14	-24.87	-9.96	-12.77	13.43	1364.52	-590.04	390.22
384.26	-977.27									
1	155	38	1.11	-43.08	-42.94	0.97	-2.45	1293.44	-1793.34	1278.90
1778.79	211.42									
1	155	39	1.46e-02	-50.24	-46.33	-3.89	-13.45	2515.21	-1414.02	659.14
442.05	1961.61									
1	155	40	7.96	-34.19	-21.93	-4.31	-19.15	1688.98	-1302.38	-649.85
1036.45	1235.37									
1	155	41	-3.93	-9.19	-6.22	-6.90	-2.61	1294.50	-957.46	-868.31
1205.35	439.11									
1	155	42	6.89	-24.79	-12.57	-5.33	15.42	1275.35	-746.91	-654.66
1183.10	-421.96									
1	155	43	9.41	-46.78	-39.31	1.94	19.08	1976.28	-466.55	969.98
539.76	-1202.32									
1	155	44	-0.28	-59.74	-58.50	-1.52	-8.50	1477.45	-1552.87	1234.29
1309.71	823.24									

1	155	45	-2.79	-43.60	-40.84	-5.54	-10.24	2474.32	-1236.79	192.88
1044.65	1806.02									
1	155	46	-6.48	-18.71	-18.47	-6.72	-1.68	1499.59	-1047.55	-872.51
1324.55	644.36									
1	155	47	7.38	-34.11	-20.98	-5.75	19.30	1353.52	-948.61	-855.97
1260.88	-452.42									
1	155	48	2.63	-49.88	-40.81	-6.44	19.85	2026.43	-954.33	142.40
929.70	-1437.45									
1	155	49	1.90	-56.46	-52.81	-1.75	14.14	1219.63	-1590.10	1149.43
1519.90	-438.54									
1	155	50	6.04	-34.95	-30.34	1.43	-12.94	2238.00	-1088.45	789.34
360.21	1649.33									
1	155	51	15.10	-12.85	7.46	-5.20	-12.46	1334.04	-1276.98	-893.19
950.25	924.55									
1	155	52	32.62	-5.88	32.35	-5.62	-3.19	973.88	-1201.15	-1186.66
959.39	176.94									
1	155	53	41.10	-5.19	41.05	-5.15	-1.39	944.06	-1359.14	-1273.50
858.42	-435.80									
1	155	54	35.38	-4.80	35.08	-4.50	3.46	1043.53	-1748.66	-1376.58
671.45	-948.93									
1	155	55	14.13	-20.69	8.18	-14.74	13.10	1654.78	-2367.11	-855.80
143.47	-1947.88									
1	155	56	2.88	-24.16	-19.76	-1.52	9.98	1339.94	-2007.83	1268.85
1936.74	-482.64									
1	155	57	4.26	-21.52	-16.79	-0.48	-9.98	1347.91	-526.17	497.37
324.37	933.04									
1	155	58	-1.31	-6.97	-1.56	-6.72	-1.15	449.81	-0.50	35.70
413.61	122.44									
1	155	59	-2.13	-63.87	-2.75	-63.25	-6.16	2623.64	6.11	7.00
2622.75	48.15									
1	155	60	-2.78	-69.12	-3.07	-68.82	4.42	2731.17	-1865.88	-1789.23
2654.53	588.61									
1	155	61	-28.37	-46.11	-37.80	-36.68	-8.85	1.176e+04	9887.77	1.041e+04
1.124e+04	838.47									
1	155	62	-19.53	-66.03	-56.27	-29.29	-18.93	5132.94	-398.20	-158.77
4893.51	1125.60									
1	155	63	-10.11	-66.42	-49.40	-27.12	-25.86	3305.75	-1463.00	-1235.54
3078.30	1016.33									
1	155	64	-18.06	-46.37	-41.49	-22.94	-10.70	2944.12	-1631.97	-1537.57
2849.73	650.43									
1	155	65	-23.93	-40.24	-34.76	-29.41	7.71	3850.37	-1219.57	-1203.36
3834.16	286.22									
1	155	66	-23.83	-47.57	-28.80	-42.60	9.66	6984.50	439.57	444.93
6979.14	187.22									
1	155	67	-41.82	-48.43	-43.60	-46.65	2.93	1.382e+04	1.072e+04	1.082e+04
1.373e+04	536.22									
1	155	68	-34.11	-52.61	-52.61	-34.12	-0.31	5459.42	-1129.80	-1068.06
5397.68	634.84									
1	155	69	-25.63	-54.93	-54.23	-26.34	4.49	3483.79	-1676.83	-1647.51
3454.47	387.86									
1	155	70	-15.16	-64.89	-53.19	-26.86	21.09	3635.13	-1564.09	-1562.49
3633.53	-91.15									
1	155	71	-20.05	-61.85	-50.37	-31.53	18.66	5472.69	-1087.30	-1073.08
5458.48	-305.00									
1	155	72	-24.98	-52.38	-34.92	-42.44	13.18	1.382e+04	1.096e+04	1.098e+04
1.380e+04	-222.05									
1	155	73	-16.56	-35.18	-16.57	-35.18	0.32	6686.31	236.69	240.33
6682.66	153.32									
1	155	74	-13.69	-24.89	-18.64	-19.94	-5.56	3297.81	-1417.86	-1416.54
3296.49	78.79									
1	155	75	-7.02	-20.58	-20.53	-7.07	0.80	1894.95	-1851.49	-1831.85
1875.31	-270.57									
1	155	76	-2.69	-26.02	-25.78	-2.93	2.35	1383.52	-2002.66	-1868.79
1249.65	-659.84									
1	155	77	-12.73	-36.44	-36.41	-12.75	0.77	1418.62	-2170.95	-1908.96
1156.63	-933.71									
1	155	78	-38.68	-53.56	-41.51	-50.73	5.84	2339.07	-3426.38	-3241.69
2154.39	-1015.23									
1	155	79	-10.69	-56.95	-29.26	-38.39	22.67	1.111e+04	9710.79	1.056e+04

1.026e+04-681.12										
1	155	80	2.03	-71.61	1.90	-71.49	3.04	2132.71	-1569.69	-1526.14
2089.16-399.16										
1	155	81	-2.98	-73.72	-3.32	-73.38	4.89	2098.19	-12.80	-10.78
2096.17 -65.33										
1	155	82	-21.35	-76.89	-32.25	-66.00	-22.05	3579.85	-639.50	2807.65
132.69 1631.52										
1	155	83	-47.23	-92.24	-47.24	-92.23	-0.59	3232.30	1384.90	2923.07
1694.14 689.68										
1	155	84	-36.46	-82.34	-40.38	-78.42	12.83	3031.26	1456.48	2911.08
1576.66 -418.10										
1	155	85	-7.72	-91.57	-32.51	-66.78	38.26	2926.10	-907.94	2793.19	-
775.03-701.38										
1	155	86	-1.23	-93.28	-1.35	-93.17	-3.28	721.90	-99.90	14.24
607.75 284.21										
1	155	87	-7.28	-59.88	-16.67	-50.49	-20.15	3026.25	-2256.80	221.23
548.222636.46										
1	155	88	6.22	-120.68	-48.46	-66.01	-62.84	1584.42	948.60	949.23
1583.79 19.94										
1	155	89	-6.11	-99.90	-48.67	-57.34	-46.69	1531.54	-1352.11	-1248.27
1427.71 537.25										
1	155	90	-28.20	-71.74	-46.56	-53.39	-21.50	1671.87	-2005.54	-1739.24
1405.57 953.09										
1	155	91	-43.54	-65.98	-43.57	-65.96	0.74	2538.80	-1693.26	-1102.91
1948.451466.24										
1	155	92	-36.40	-88.57	-37.04	-87.93	5.76	3909.29	-180.62	1327.61
2401.061973.26										
1	155	93	-53.35	-83.65	-62.17	-74.83	-13.76	3095.86	-40.17	388.91
2666.79-1077.72										
1	155	94	-53.99	-66.61	-66.59	-54.01	0.51	2026.50	-1671.91	-1668.95
2023.54-104.60										
1	155	95	-37.58	-83.59	-65.28	-55.89	22.52	2153.23	-1616.55	-1546.10
2082.78 510.51										
1	155	96	-33.74	-94.79	-58.15	-70.39	29.91	3301.86	-224.57	425.14
2652.15 1367.13										
1	155	97	-28.25	-69.56	-28.43	-69.38	2.73	3554.26	-99.63	1189.48
2265.15-1745.98										
1	155	98	-33.48	-41.44	-33.48	-41.44	0.11	2171.39	-1895.79	-1360.24
1635.84-1375.27										
1	155	99	-16.62	-43.62	-39.71	-20.54	9.50	1146.34	-2503.81	-2173.40
815.94-1047.31										
1	155	100	-6.51	-53.72	-46.19	-14.04	17.28	720.23	-2534.15	-2221.02
407.10 -959.68										
1	155	101	-8.90	-68.86	-53.55	-24.21	26.15	601.84	-2067.28	-1819.32
353.88 -774.82										
1	155	102	3.75	-111.04	-56.44	-50.85	57.33	370.59	-806.10	-726.35
290.84 295.77										
1	155	103	-8.05	-81.43	-18.65	-70.83	25.79	2466.15	-1503.71	504.14
458.31-1984.80										
1	155	104	-2.13	-124.84	-2.26	-124.72	3.91	546.05	-74.06	16.86
455.14 -219.35										
1	155	105	32.10	-2.13	-2.12	32.09	0.55	3.05	-1351.02	-42.24	-
1305.72 243.48										
1	155	106	37.70	-29.52	-2.59	10.76	-32.94	1632.02	-2607.74	308.11	-
1283.831964.77										
1	155	107	27.13	-84.77	-7.91	-49.73	-51.90	1347.92	-2984.70	275.21	-
1911.991870.01										
1	155	108	19.57	-120.00	-15.73	-84.69	-60.67	39.49	-2251.63	-387.16	-
1824.99 891.89										
1	155	109	-6.45	-106.07	-29.67	-82.84	-42.12	-730.62	-2216.26	-1394.13	-
1552.75 738.58										
1	155	110	-31.44	-87.88	-40.95	-78.37	-21.12	-471.78	-2690.40	-1753.89	-
1408.281095.77										
1	155	111	-45.59	-82.78	-46.75	-81.62	-6.46	119.80	-2801.17	-1255.87	-
1425.501458.02										
1	155	112	-48.32	-92.74	-48.33	-92.73	0.74	629.76	-2357.99	-142.72	-
1585.511308.15										
1	155	113	-57.11	-98.13	-57.60	-97.64	-4.48	236.99	-1821.52	159.89	-
1744.42 390.86										
1	155	114	-61.65	-88.16	-63.08	-86.72	-5.99	-474.61	-1442.71	-581.29	-

1336.03	-303.14										
1	155	115	-65.05	-73.48	-67.17	-71.37	3.65	-1000.05	-1644.13	-1631.02	-
1013.16	-90.94										
1	155	116	-50.86	-84.99	-65.50	-70.36	16.89	-775.51	-1823.07	-1548.21	-
1050.37	460.85										
1	155	117	-44.64	-94.13	-59.05	-79.71	22.49	-312.64	-1650.10	-591.14	-
1371.60	543.07										
1	155	118	-45.16	-91.02	-53.17	-83.00	17.42	105.37	-1795.20	92.72	-
1782.54	-154.57										
1	155	119	-41.18	-71.37	-43.60	-68.95	8.19	345.06	-2265.08	-335.07	-
1584.95	-1145.71										
1	155	120	-36.68	-54.47	-42.72	-48.43	8.43	-83.23	-2881.44	-1605.69	-
1358.97	-1393.66										
1	155	121	-21.66	-54.22	-42.19	-33.69	15.72	-423.82	-3118.72	-2331.07	-
1211.47	-1225.66										
1	155	122	-7.52	-62.00	-42.90	-26.62	26.00	-491.64	-2960.82	-2371.01	-
1081.45	-1052.84										
1	155	123	-4.97	-67.15	-43.10	-29.02	30.28	-332.50	-2268.24	-1677.25	-
923.50	-891.48										
1	155	124	19.04	-96.53	-40.25	-37.24	57.76	60.66	-1193.18	-242.73	-
889.78	-536.99										
1	155	125	27.70	-98.58	-28.38	-42.50	62.75	1105.71	-1409.67	795.25	-
1099.21	-827.37										
1	155	126	16.82	-60.20	-4.19	-39.19	34.31	1101.20	-1318.17	389.34	-
606.30	-1102.50										
1	155	127	-1.16	-32.93	-1.19	-32.89	-1.05	24.84	-668.04	-13.97	-
629.23	-159.32										
1	155	128	125.25	1.26	1.30	125.22	-2.06	-36.38	-2629.97	-46.92	-
2619.43	165.00										
1	155	129	94.22	-16.75	-5.05	82.51	-34.08	709.05	-3101.64	265.44	-
2658.04	1222.15										
1	155	130	46.56	-75.67	13.73	-42.85	-54.17	-333.06	-4395.25	-825.13	-
3903.18	1325.43										
1	155	131	17.52	-108.45	2.23	-93.15	-41.14	-966.95	-4691.67	-1367.93	-
4290.69	1154.45										
1	155	132	-11.12	-104.91	-16.92	-99.10	-22.59	-1353.38	-4492.06	-1804.19	-
4041.25	1100.78										
1	155	133	-32.49	-94.54	-34.31	-92.71	-10.48	-1455.74	-4427.92	-1981.49	-
3902.17	1134.11										
1	155	134	-48.58	-89.64	-48.78	-89.44	-2.85	-1256.27	-4576.80	-1717.27	-
4115.81	1148.14										
1	155	135	-59.45	-91.07	-59.45	-91.07	0.14	-1002.40	-4699.13	-1280.84	-
4420.69	975.60										
1	155	136	-65.01	-91.72	-65.02	-91.71	-0.53	-1050.39	-4644.41	-1151.84	-
4542.96	595.25										
1	155	137	-65.74	-87.86	-65.76	-87.84	-0.69	-1436.69	-4238.82	-1460.11	-
4215.40	255.10										
1	155	138	-62.18	-82.46	-63.43	-81.20	4.88	-1896.30	-3793.91	-1907.45	-
3782.76	145.03										
1	155	139	-55.53	-85.60	-62.32	-78.80	12.58	-1872.64	-3904.12	-1889.81	-
3886.94	185.99										
1	155	140	-53.36	-88.52	-63.06	-78.82	15.71	-1506.11	-4335.77	-1506.80	-
4335.08	44.34										
1	155	141	-53.29	-84.20	-62.38	-75.11	14.08	-1224.95	-4669.83	-1251.14	-
4643.64	-299.20										
1	155	142	-48.47	-72.73	-55.76	-65.44	11.12	-1371.67	-4601.88	-1525.78	-
4447.77	-688.52										
1	155	143	-37.27	-61.21	-45.22	-53.25	11.27	-1801.71	-4276.85	-2153.20	-
3925.36	-863.98										
1	155	144	-22.58	-55.36	-34.03	-43.91	15.63	-2026.85	-3887.19	-2632.42	-
3281.61	-871.69										
1	155	145	-10.53	-53.24	-25.49	-38.28	20.37	-1823.95	-3474.55	-2578.09	-
2720.41	-822.22										
1	155	146	-9.77	-50.67	-28.40	-32.04	20.37	-1132.48	-2688.14	-1731.90	-
2088.72	-757.10										
1	155	147	18.21	-80.42	-55.49	-6.72	42.87	78.54	-1640.12	-121.94	-
1439.64	-551.68										
1	155	148	28.41	-73.08	-20.30	-24.37	50.71	633.00	-1339.71	379.86	-
1086.57	-659.77										

1	155	149	16.56	-27.89	-5.09	-6.24	22.22	667.09	-1026.84	342.62	-702.36
-666.60											
1	155	150	7.23	-1.82	-1.54	6.95	1.58	-11.48	-758.52	-25.53	-744.47
-101.46											
1	155	151	169.24	3.54	3.55	169.22	1.35	-5.58	-3759.93	-16.91	-3748.60
205.89											
1	155	152	140.18	-24.56	-7.72	123.34	-49.91	37.24	-4117.12	-221.79	-3858.09
1004.49											
1	155	153	44.91	-91.91	19.63	-66.63	-53.10	-82.93	-3792.44	-538.84	-3336.53
1217.92											
1	155	154	-1.44	-115.18	-2.36	-114.26	-10.20	-104.36	-3532.63	-1003.31	-2633.68
1507.89											
1	155	155	-35.11	-104.83	-35.27	-104.68	3.24	-505.86	-3319.00	-1608.56	-2216.29
1373.35											
1	155	156	-53.67	-92.81	-53.93	-92.55	3.14	-875.91	-3053.23	-1800.99	-2128.15
1076.30											
1	155	157	-62.58	-88.43	-62.68	-88.33	1.60	-1013.81	-2816.95	-1529.16	-2301.60
814.65											
1	155	158	-66.32	-89.64	-66.35	-89.60	0.86	-831.60	-2840.62	-1117.07	-2555.14
701.45											
1	155	159	-68.70	-90.70	-68.73	-90.67	0.80	-777.81	-2880.89	-1032.06	-2626.63
685.61											
1	155	160	-70.38	-88.63	-70.59	-88.43	1.94	-1105.00	-2721.28	-1366.86	-2459.43
595.53											
1	155	161	-69.24	-85.41	-70.94	-83.71	4.97	-1693.05	-2361.59	-1803.12	-2251.52
247.93											
1	155	162	-64.49	-85.62	-69.15	-80.96	8.76	-1716.41	-2363.29	-1756.94	-2322.76
-156.77											
1	155	163	-60.00	-85.81	-66.23	-79.59	11.04	-1266.96	-2676.99	-1359.97	-2583.98
-350.01											
1	155	164	-55.11	-82.27	-62.17	-75.21	11.91	-1002.74	-2852.90	-1077.52	-2778.11
-364.38											
1	155	165	-49.10	-74.52	-57.98	-65.64	12.12	-1244.76	-2716.82	-1297.66	-2663.91
-274.01											
1	155	166	-40.98	-65.84	-53.48	-53.34	12.43	-1782.32	-2396.23	-1911.52	-2267.03
-250.25											
1	155	167	-32.28	-57.50	-47.69	-42.09	12.29	-1639.27	-2563.57	-2407.71	-1795.13
-346.08											
1	155	168	-26.14	-49.16	-41.46	-33.84	10.86	-1187.82	-2526.11	-2333.23	-1380.69
-470.03											
1	155	169	-20.78	-43.33	-38.14	-25.97	9.50	-705.23	-1869.79	-1501.19	-1073.83
-541.65											
1	155	170	0.42	-50.07	-32.91	-16.74	23.91	363.36	-1163.08	87.27	-886.99
-587.55											
1	155	171	18.18	-50.95	-16.52	-16.25	34.57	518.53	-1149.17	365.23	-995.87
-481.83											
1	155	172	19.27	-15.62	-4.51	8.15	16.26	415.44	-794.78	334.15	-713.49
-302.94											
1	155	173	23.19	-1.52	-1.44	23.11	1.34	-20.66	-763.12	-25.04	-758.74
-56.86											
1	155	174	147.21	1.09	10.19	138.12	35.30	609.45	-6575.68	547.14	-6513.38
666.17											
1	155	175	163.60	-120.88	-106.01	148.73	-63.32	-1340.55	-8285.09	-2904.62	-6721.02
2900.94											
1	155	176	14.63	-189.52	3.54	-178.42	-46.28	2351.74	-4012.19	491.25	-2151.70
2894.58											
1	155	177	-57.41	-146.11	-66.55	-136.97	26.97	1424.15	-3092.71	-964.96	-703.61
2254.65											
1	155	178	-72.09	-111.88	-81.41	-102.56	16.85	609.17	-2916.26	-1813.08	-494.02
1634.68											
1	155	179	-78.22	-92.88	-80.94	-90.17	5.69	-37.82	-2551.26	-2069.02	-520.06
989.72											
1	155	180	-78.82	-88.82	-78.84	-88.80	0.49	-519.75	-1746.25	-1533.33	-732.68
464.56											
1	155	181	-76.02	-91.47	-76.06	-91.42	-0.85	-396.62	-1337.16	-701.91	-1031.87
440.38											
1	155	182	-79.22	-94.33	-79.22	-94.33	0.17	-14.64	-1683.28	-561.18	-1136.74
783.12											
1	155	183	-79.83	-93.31	-80.06	-93.08	1.74	-189.86	-2012.43	-1283.04	-

919.25892.95										
1	155	184	-77.07	-90.73	-78.06	-89.74	3.55	-681.42	-2170.02	-2080.60	-
770.83353.70										
1	155	185	-72.89	-89.91	-76.12	-86.68	6.68	-723.88	-2059.14	-1956.37	-
826.65-355.90										
1	155	186	-69.91	-88.27	-74.32	-83.86	7.84	-405.59	-1796.88	-1161.93	-
1040.54-692.99										
1	155	187	-63.56	-85.10	-70.01	-78.65	9.87	-257.24	-1518.78	-458.95	-
1317.07-462.35										
1	155	188	-55.94	-75.96	-63.82	-68.08	9.78	-700.59	-1259.53	-704.42	-
1255.70 46.14										
1	155	189	-47.95	-68.81	-60.40	-56.36	10.23	-914.91	-1782.94	-1714.34	-
983.51234.18										
1	155	190	-37.97	-62.33	-55.79	-44.52	10.80	-757.92	-2481.76	-2481.72	-
757.96-8.57										
1	155	191	-30.21	-56.64	-51.76	-35.09	10.25	-563.10	-2525.36	-2464.52	-
623.94-340.10										
1	155	192	-25.42	-50.83	-47.32	-28.92	8.76	-236.24	-1914.80	-1596.56	-
554.49-657.96										
1	155	193	-9.23	-50.76	-43.13	-16.86	16.08	672.04	-1374.85	22.47	-
725.29-952.71										
1	155	194	7.67	-42.60	-20.04	-14.90	25.00	1108.91	-1143.98	1006.26	-
1041.33 -469.81										
1	155	195	10.75	-8.88	-4.26	6.13	8.32	404.92	-706.95	392.54	-
694.57116.68										
1	155	196	17.89	-1.23	-1.03	17.69	1.93	-16.35	-715.55	-16.47	-
715.44-9.05										
1	155	197	-11.26	-945.74	-26.44	-930.57	-118.12	1.098e+04	-696.96	-692.96	
1.097e+04-215.99										
1	155	198	-23.75	-789.15	-24.07	-788.83	15.67	1.368e+04	2509.49	4018.38	
1.217e+043817.94										
1	155	199	-150.08	-301.07	-192.75	-258.40	67.98	6422.20	-3350.76	-1701.46	
4772.903660.38										
1	155	200	-116.84	-178.53	-173.65	-121.72	16.66	3145.33	-2034.02	-1100.42	
2211.73 1990.93										
1	155	201	-90.03	-125.19	-123.92	-91.30	-6.55	1873.05	-2897.22	-2310.44	
1286.271566.78										
1	155	202	-80.84	-101.10	-94.37	-87.56	-9.54	1111.95	-2881.50	-2687.50	
917.95 858.54										
1	155	203	-82.07	-97.17	-86.94	-92.30	-7.06	1059.46	-1817.77	-1812.90	
1054.59 118.26										
1	155	204	-83.21	-95.27	-87.08	-91.40	-5.63	989.34	312.34	373.44	
928.24 -193.98										
1	155	205	-85.69	-106.37	-90.53	-101.53	-8.76	1559.95	-729.68	404.87	
425.40 1144.77										
1	155	206	-90.96	-100.17	-95.83	-95.30	-4.59	1439.47	-1813.31	-1330.51	
956.67 1156.44										
1	155	207	-81.08	-96.76	-81.17	-96.67	-1.17	575.97	-2708.62	-2663.76	
531.12 381.22										
1	155	208	-76.64	-96.75	-80.59	-92.80	7.99	621.28	-2523.48	-2447.47	
545.28 -482.94										
1	155	209	-78.17	-97.04	-90.03	-85.18	9.12	1328.00	-1527.36	-1067.89	
868.53-1049.21										
1	155	210	-71.03	-95.81	-81.77	-85.07	12.28	1389.10	-433.49	721.17	
234.43 -878.20										
1	155	211	-64.65	-79.79	-75.48	-68.97	6.84	1179.01	-12.25	554.74	
612.02 594.94										
1	155	212	-55.82	-70.41	-65.99	-60.25	6.71	546.87	-1847.69	-1753.71	
452.89 464.97										
1	155	213	-41.87	-63.22	-56.93	-48.15	9.73	-77.37	-2851.01	-2850.92	-
77.47-16.35										
1	155	214	-29.96	-63.76	-56.42	-37.30	13.94	-240.21	-2924.40	-2861.85	-
302.76-404.93										
1	155	215	-21.07	-67.39	-62.56	-25.89	14.15	124.71	-2354.38	-2074.77	-
154.89-784.21										
1	155	216	-22.27	-66.32	-61.77	-26.82	13.40	1909.38	-1980.56	-219.05	
147.87-1936.30										
1	155	217	13.90	-60.06	-37.55	-8.61	34.03	3165.87	-1220.33	3139.99	-
1194.46-335.90										

1	155	218	-6.76	-10.03	-6.77	-10.01	0.20	1294.98	-530.44	390.94
373.60	912.67									
1	155	219	-2.79	-25.76	-2.80	-25.76	-0.36	293.80	7.54	13.70
287.64	41.54									
1	155	220	10.61	-716.44	-9.00	-696.83	117.78	9440.35	-383.07	-337.30
9394.58	668.94									
1	155	221	118.70	-877.01	98.92	-857.23	-138.94	1.013e+04	153.66	1521.71
8764.30	-3432.17									
1	155	222	-130.24	-363.55	-261.03	-232.75	-115.79	7511.72	342.27	734.43
7119.55	-1630.29									
1	155	223	-62.99	-204.09	-144.35	-122.73	-69.72	4294.28	-682.48	-671.33
4283.13	235.33									
1	155	224	-45.20	-141.40	-85.93	-100.68	-47.53	1953.71	-2806.17	-2703.74
1851.28	690.69									
1	155	225	-41.56	-118.76	-60.65	-99.66	-33.31	1277.30	-3329.32	-3187.56
1135.54	795.57									
1	155	226	-52.80	-108.58	-63.28	-98.09	-21.79	2019.25	-2585.80	-2458.52
1891.96	754.96									
1	155	227	-83.80	-114.07	-103.05	-94.82	-14.57	4951.34	641.88	741.39
4851.82	647.28									
1	155	228	-82.12	-154.03	-148.73	-87.41	-18.79	7219.10	4415.87	4529.48
7105.49	552.77									
1	155	229	-81.36	-112.32	-85.18	-108.50	-10.19	2297.94	-1958.38	-1932.31
2271.86	332.10									
1	155	230	-64.26	-109.57	-64.52	-109.31	-3.40	757.79	-3346.27	-3344.69
756.21	80.52									
1	155	231	-66.12	-104.95	-66.63	-104.44	4.40	898.77	-3095.94	-3090.29
893.11	-150.17									
1	155	232	-79.30	-100.24	-84.55	-94.99	9.07	2336.23	-1549.38	-1528.04
2314.89	-287.16									
1	155	233	-64.30	-148.78	-146.89	-66.18	12.48	7010.41	4884.32	4972.21
6922.52	-423.25									
1	155	234	-67.12	-99.78	-97.50	-69.40	8.32	4445.21	959.98	1025.30
4379.88	-472.67									
1	155	235	-46.02	-72.63	-53.07	-65.58	11.74	1123.77	-2345.29	-2266.19
1044.67	-517.81									
1	155	236	-30.37	-65.60	-38.97	-57.00	15.13	-278.08	-3339.99	-3243.99	-
374.07	-533.58									
1	155	237	-26.93	-59.32	-41.69	-44.56	16.13	-708.63	-3328.79	-3221.63	-
815.78	-518.92									
1	155	238	-28.81	-69.93	-64.13	-34.62	14.32	-385.15	-2530.40	-2413.97	-
501.58	-486.03									
1	155	239	-14.47	-116.87	-110.79	-20.54	24.19	994.65	-2959.31	-2917.03	
952.36	-406.70									
1	155	240	9.11	-79.97	-64.07	-6.80	34.12	1.117e+04	9260.58	1.108e+04	
9350.01	-403.16									
1	155	241	-3.28	-30.09	-6.26	-27.12	8.42	1465.59	-1428.43	-1389.77	
1426.92	-332.26									
1	155	242	-1.97	-21.56	-2.50	-21.02	-3.20	1563.32	21.70	24.21	
1560.80	-62.19									
1	155	243	56.90	-25.72	7.29	23.89	-40.47	541.90	-4930.22	514.81	-
4903.13	-384.04									
1	155	244	154.48	-105.97	-104.24	152.76	21.11	-2586.51	-5298.64	-2759.12	-
5126.03	-662.09									
1	155	245	-7.23	-114.03	-13.15	-108.11	24.45	1065.67	-1076.84	991.47	-
1002.63	-391.77									
1	155	246	-35.76	-117.46	-54.63	-98.59	-34.43	804.82	-168.57	-101.26	
737.51	-246.95									
1	155	247	-28.57	-129.49	-64.66	-93.40	-48.37	1022.86	-2028.99	-2016.01	
1009.88	198.60									
1	155	248	-34.53	-126.87	-68.33	-93.06	-44.48	1229.66	-2893.22	-2703.04	
1039.47	864.84									
1	155	249	-44.97	-125.83	-73.07	-97.73	-38.50	1874.60	-2532.25	-1989.47	
1331.82	1448.23									
1	155	250	-68.61	-130.18	-86.70	-112.08	-28.05	2330.24	-929.96	98.03	
1302.24	1514.83									
1	155	251	-86.89	-132.90	-95.48	-124.31	-17.93	825.63	67.24	85.20	
807.66	-115.33									
1	155	252	-90.54	-123.92	-105.13	-109.32	-16.56	1416.24	-1795.86	-1717.61	

1338.00	-495.18										
	1	155	253	-91.22	-108.26	-94.62	-104.85	-6.81	965.08	-3054.25	-3036.15
946.98	-269.11										
	1	155	254	-94.66	-100.92	-95.60	-99.98	2.23	935.66	-2781.58	-2773.60
927.68	172.01										
	1	155	255	-90.08	-111.98	-105.62	-96.44	9.94	1256.07	-1418.60	-1339.47
1176.94	453.18										
	1	155	256	-87.93	-109.60	-95.07	-102.46	10.19	578.57	483.21	555.40
506.38	40.90										
	1	155	257	-68.13	-101.10	-88.10	-81.13	16.11	2238.81	-918.09	449.60
871.11	-1564.32										
	1	155	258	-45.68	-89.98	-76.35	-59.30	20.44	1409.60	-2509.66	-1786.42
686.36	-1520.36										
	1	155	259	-33.44	-80.91	-69.12	-45.23	20.51	485.22	-3163.34	-2818.01
139.89	-1068.03										
	1	155	260	-24.59	-76.34	-68.51	-32.41	18.54	49.13	-2921.80	-2766.70	-
105.96	-660.85										
	1	155	261	-15.30	-82.17	-75.21	-22.26	20.42	20.78	-1949.93	-1924.68	-
4.47	-221.60										
	1	155	262	-9.10	-92.24	-70.78	-30.57	36.38	1107.81	-958.59	-52.95	
202.17	1025.29										
	1	155	263	4.23	-55.49	-43.14	-8.12	24.19	3266.57	-1248.29	3217.04	-
1198.76	-470.29										
	1	155	264	23.29	-29.87	-6.43	-0.15	26.40	1958.88	-1206.95	401.73	
350.19	-1582.71										
	1	155	265	-0.85	-9.23	-2.07	-8.00	2.96	348.24	-69.11	14.33	
264.80	-166.92										
	1	155	266	182.75	2.32	2.33	182.74	-1.17	45.13	-3219.34	35.78	-
3210.00	174.38										
	1	155	267	143.44	-9.49	-6.59	140.54	20.86	181.07	-3737.92	-273.51	-
3283.34	1254.93										
	1	155	268	7.02	-28.70	6.93e-02	-21.75	14.14	313.28	-3177.64	-254.46	-
2609.90	1288.26										
	1	155	269	-6.60	-87.26	-14.10	-79.76	-23.42	-468.29	-2235.18	-887.87	-
1815.60	751.87										
	1	155	270	-19.68	-112.01	-38.38	-93.32	-37.10	-801.03	-2355.96	-1937.08	-
1219.91	689.83										
	1	155	271	-35.76	-120.96	-58.12	-98.60	-37.48	-457.58	-2948.54	-2445.63	-
960.48	999.90										
	1	155	272	-51.99	-126.00	-72.00	-105.99	-32.87	-166.67	-2930.47	-2120.26	-
976.89	1258.10										
	1	155	273	-65.02	-132.80	-80.22	-117.59	-28.27	-321.89	-2320.79	-1493.51	-
1149.16	984.51										
	1	155	274	-76.28	-135.07	-89.47	-121.87	-24.53	-730.73	-1779.99	-1321.53	-
1189.19	520.44										
	1	155	275	-90.07	-132.90	-100.00	-122.97	-18.07	-837.83	-2240.22	-2208.56	-
869.50	-208.34										
	1	155	276	-100.06	-117.89	-103.59	-114.36	-7.10	-640.53	-3031.75	-3014.85	-
657.43	-200.31										
	1	155	277	-102.23	-111.20	-104.60	-108.83	3.95	-737.72	-2782.17	-2782.16	-
737.73	-4.07										
	1	155	278	-92.98	-116.82	-103.31	-106.49	11.81	-1031.50	-1815.19	-1812.85	-
1033.84	42.74										
	1	155	279	-80.34	-108.48	-96.22	-92.60	13.95	-449.33	-1794.63	-842.21	-
1401.76	-611.70										
	1	155	280	-69.57	-103.28	-90.84	-82.01	16.27	-124.95	-2280.57	-1061.42	-
1344.10	-1068.50										
	1	155	281	-54.24	-94.54	-86.57	-62.22	16.06	-101.98	-2866.67	-1881.06	-
1087.58	-1324.19										
	1	155	282	-37.79	-88.21	-80.18	-45.82	18.46	-329.08	-3065.92	-2522.91	-
872.09	-1091.45										
	1	155	283	-25.02	-81.75	-73.02	-33.75	20.47	-442.36	-2663.66	-2387.58	-
718.45	-732.83										
	1	155	284	-15.60	-73.68	-63.80	-25.48	21.82	-471.14	-1533.36	-1392.80	-
611.71	-359.94										
	1	155	285	8.41	-76.78	-54.98	-13.40	37.18	297.59	-737.29	296.83	-
736.54	27.95										
	1	155	286	25.73	-56.34	-26.65	-3.96	39.44	1163.85	-1098.08	1129.60	-
1063.84	-276.19										

1	155	287	47.76	-17.81	-4.92	34.87	26.06	827.19	-1123.08	424.16	-
720.04	-789.68										
1	155	288	51.71	-0.68	-0.68	51.71	0.44	4.25	-756.75	-13.40	-
739.11	-114.53										
1	155	289	194.79	-1.37	-1.37	194.78	-0.82	-15.12	-2359.33	-36.50	-
2337.95	222.87										
1	155	290	147.54	-1.92	-1.28	146.89	9.81	825.41	-2869.36	263.18	-
2307.13	1327.11										
1	155	291	25.72	-1.03	8.51	16.18	12.81	-68.44	-3707.93	-847.92	-
2928.44	1493.09										
1	155	292	-4.31	-57.22	-4.72	-56.81	-4.64	-933.06	-3809.06	-1570.31	-
3171.81	1194.42										
1	155	293	-25.50	-90.48	-29.68	-86.30	-15.94	-1531.16	-3810.10	-2239.82	-
3101.44	1054.89										
1	155	294	-46.38	-107.16	-54.65	-98.88	-20.85	-1703.56	-3912.61	-2610.27	-
3005.91	1086.67										
1	155	295	-63.76	-119.46	-74.05	-109.17	-21.62	-1689.21	-3917.60	-2568.09	-
3038.72	1089.06										
1	155	296	-77.72	-129.48	-87.55	-119.65	-20.31	-1776.66	-3712.18	-2379.36	-
3109.49	896.26										
1	155	297	-90.20	-135.38	-97.91	-127.67	-17.00	-2154.89	-3337.28	-2489.72	-
3002.46	532.71										
1	155	298	-99.60	-133.61	-105.07	-128.14	-12.49	-2596.96	-3035.91	-2931.63	-
2701.25	186.82										
1	155	299	-108.98	-124.86	-110.61	-123.23	-4.82	-2416.44	-3357.86	-3345.05	-
2429.25	-109.07										
1	155	300	-110.44	-118.75	-112.63	-116.55	3.66	-2404.03	-3235.17	-3110.72	-
2528.47	-296.56										
1	155	301	-101.50	-119.39	-111.39	-109.50	8.89	-2176.28	-3144.00	-2454.12	-
2866.15	-437.81										
1	155	302	-90.93	-115.77	-108.49	-98.20	11.30	-1607.12	-3415.95	-1868.66	-
3154.42	-636.14										
1	155	303	-75.52	-108.10	-102.87	-80.76	11.96	-1388.14	-3529.02	-1794.74	-
3122.41	-839.74										
1	155	304	-58.78	-98.38	-94.67	-62.50	11.55	-1533.83	-3398.56	-2173.89	-
2758.51	-885.36										
1	155	305	-43.34	-87.04	-83.41	-46.97	12.07	-1613.21	-3143.72	-2484.76	-
2272.17	-757.84										
1	155	306	-30.31	-75.77	-71.09	-34.99	13.80	-1405.15	-2647.27	-2268.84	-
1783.58	-571.71										
1	155	307	-17.37	-63.31	-59.22	-21.46	13.09	-866.26	-1717.21	-1250.53	-
1332.93	-423.48										
1	155	308	4.72	-54.52	-46.50	-3.30	20.27	573.44	-1015.45	522.25	-
964.27	-280.55										
1	155	309	23.64	-38.33	-23.01	8.32	26.73	637.96	-1092.67	585.01	-
1039.72	-298.06										
1	155	310	52.64	-7.77	-4.95	49.82	12.74	448.11	-840.13	350.08	-
742.09	-341.58										
1	155	311	78.69	-1.22	-1.22	78.69	0.38	-15.80	-806.71	-20.45	-
802.06	-60.46										
1	155	312	201.19	-0.20	-0.20	201.19	-0.73	-8.91	-2188.58	-14.89	-
2182.60	114.02										
1	155	313	141.37	-11.50	-10.71	140.58	10.94	464.83	-2370.91	311.57	-
2217.65	641.18										
1	155	314	39.80	-16.32	-0.43	23.91	25.28	-778.62	-3838.90	-1029.74	-
3587.78	839.90										
1	155	315	0.86	-54.45	-15.18	-38.41	25.10	-1461.31	-4757.61	-1888.30	-
4330.62	1106.87										
1	155	316	-28.98	-78.90	-37.50	-70.37	18.79	-1968.66	-5007.84	-2559.71	-
4416.79	1202.90										
1	155	317	-58.40	-90.24	-61.27	-87.37	9.12	-2326.48	-4999.53	-2946.93	-
4379.08	1128.51										
1	155	318	-84.00	-100.13	-84.15	-99.98	1.54	-2505.71	-4950.18	-2997.22	-
4458.66	979.75										
1	155	319	-102.09	-112.77	-102.65	-112.21	-2.38	-2533.77	-4964.60	-2912.77	-
4585.61	881.83										
1	155	320	-113.15	-123.39	-114.24	-122.30	-3.16	-2683.96	-4857.00	-3087.80	-
4453.16	845.27										
1	155	321	-119.19	-127.13	-119.44	-126.88	-1.38	-3069.67	-4453.80	-3582.74	-

3940.73 668.52											
1	155	322	-121.05	-125.10	-121.32	-124.83	-1.01	-3486.69	-4030.10	-4025.57	-
3491.23 49.44											
1	155	323	-117.41	-124.40	-124.28	-117.53	-0.91	-3007.63	-4407.24	-3724.22	-
3690.65-699.61											
1	155	324	-106.96	-128.16	-128.15	-106.98	0.49	-2368.58	-4829.25	-2924.28	-
4273.56-1028.87											
1	155	325	-90.83	-129.22	-129.00	-91.04	2.86	-1910.91	-5088.59	-2192.06	-
4807.45-902.41											
1	155	326	-72.22	-120.66	-120.61	-72.26	1.47	-1925.83	-4889.83	-2041.11	-
4774.55-573.07											
1	155	327	-55.44	-104.00	-103.89	-55.55	-2.31	-2293.88	-4312.93	-2351.67	-
4255.15-336.64											
1	155	328	-42.58	-84.18	-83.36	-43.40	-5.79	-2541.13	-3657.76	-2590.50	-
3608.39-229.56											
1	155	329	-32.01	-67.66	-65.42	-34.25	-8.65	-2334.24	-3023.09	-2370.35	-
2986.98-153.52											
1	155	330	-19.24	-60.54	-58.15	-21.63	-9.65	-1346.86	-2269.53	-1356.55	-
2259.85 -94.04											
1	155	331	14.61	-76.39	-75.90	14.12	-6.63	459.14	-1477.54	447.95	-
1466.35 -146.79											
1	155	332	9.19	-27.52	-27.42	9.09	1.84	664.13	-1111.74	661.38	-
1108.99 -69.82											
1	155	333	46.63	-5.70	-5.48	46.41	3.36	349.59	-741.81	348.16	-
740.3839.54											
1	155	334	75.73	-1.34	-1.34	75.72	0.23	-22.95	-805.89	-23.12	-
805.73-11.46											
1	155	335	124.68	-0.91	-0.88	124.64	-2.15	-19.68	-1286.82	-22.56	-
1283.94 60.31											
1	155	336	97.03	-9.92	-2.41	89.52	27.33	268.33	-1219.92	268.31	-
1219.90 4.72											
1	155	337	45.90	-48.87	-21.88	18.92	42.77	-5.09	-1795.06	-70.62	-
1729.52 336.18											
1	155	338	23.54	-93.27	-42.21	-27.52	57.94	-123.90	-2578.39	-903.58	-
1798.711142.73											
1	155	339	-8.24	-109.02	-67.12	-50.13	49.67	-498.08	-3280.21	-2046.55	-
1731.741382.13											
1	155	340	-40.08	-115.75	-89.05	-66.78	36.16	-834.64	-3456.63	-2650.59	-
1640.681209.85											
1	155	341	-68.88	-122.31	-107.30	-83.89	24.02	-1035.88	-3156.73	-2659.01	-
1533.59 898.81											
1	155	342	-91.99	-132.65	-124.90	-99.73	15.97	-960.82	-2716.88	-2164.48	-
1513.22815.41											
1	155	343	-110.74	-145.05	-139.35	-116.45	12.78	-605.28	-3235.24	-2379.88	-
1460.631232.04											
1	155	344	-112.64	-159.56	-156.17	-116.04	12.15	-485.87	-3869.75	-3417.48	-
938.141151.47											
1	155	345	-111.23	-165.31	-165.16	-111.38	2.80	-611.62	-4510.06	-4507.40	-
614.28101.79											
1	155	346	-104.46	-165.17	-163.84	-105.80	-8.90	-405.01	-4350.75	-4009.71	-
746.05-1108.76											
1	155	347	-98.07	-157.98	-155.08	-100.97	-12.87	18.62	-3612.38	-2382.56	-
1211.19-1718.43											
1	155	348	-88.63	-142.13	-141.04	-89.73	-7.58	-22.79	-2757.27	-960.77	-
1819.29 -1298.11											
1	155	349	-61.94	-131.97	-130.17	-63.74	-11.08	-676.01	-1862.23	-749.44	-
1788.81 -285.85											
1	155	350	-40.49	-119.78	-115.83	-44.44	-17.24	-1454.41	-1730.71	-1633.99	-
1551.12131.79											
1	155	351	-21.81	-108.94	-101.96	-28.80	-23.66	-1329.16	-2152.47	-2127.39	-
1354.23 141.49											
1	155	352	-6.99	-100.34	-88.20	-19.12	-31.39	-1133.25	-1983.00	-1964.14	-
1152.10125.17											
1	155	353	-9.13e-02	-91.14	-75.37	-15.87	-34.46	-898.31	-1153.31	-1112.96	-
938.6693.07											
1	155	354	7.46	-78.74	-59.18	-12.10	-36.10	446.12	-877.96	429.19	-
861.03-148.77											
1	155	355	5.17	-44.48	-34.40	-4.91	-19.96	1082.04	-1067.53	1072.82	-
1058.32 140.43											

1	155	356	25.75	-8.60	-4.01	21.16	-11.69	540.98	-856.70	363.67	-679.39
465.17											
1	155	357	45.27	-1.05	-0.89	45.11	2.68	-15.91	-717.55	-17.64	-715.81
34.87											
1	155	358	9.35	-4.62	-4.12	8.84	2.61	172.68	9.86	11.01	171.54
13.60											
1	155	359	39.39	-23.95	-13.60	29.03	23.42	721.40	-526.32	99.40	95.69
-623.86											
1	155	360	28.39	-130.78	-80.51	-21.87	73.99	2043.28	-1326.91	187.90	528.47
1676.47											
1	155	361	4.96	-147.87	-106.46	-36.45	67.93	1082.61	-2508.71	-1740.44	314.34
1472.71											
1	155	362	-25.19	-144.05	-119.68	-49.56	47.99	942.23	-3115.57	-2510.26	336.92
1445.62											
1	155	363	-59.29	-149.66	-135.38	-73.57	32.96	1384.43	-3059.94	-2730.71	1055.20
1163.98											
1	155	364	-82.44	-155.80	-144.20	-94.04	26.77	1801.70	-1374.88	-1313.13	1739.96
438.55											
1	155	365	-106.51	-207.09	-202.44	-111.15	21.12	2960.60	-4147.37	-3517.30	2330.52
2020.29											
1	155	366	-96.09	-220.20	-219.87	-96.41	6.38	1771.96	-5584.61	-5582.90	1770.25
111.99											
1	155	367	-90.88	-217.86	-214.35	-94.39	-20.83	2073.25	-5174.32	-4911.05	1809.98
-1356.00											
1	155	368	-90.06	-197.25	-189.44	-97.87	-27.85	3667.57	-3459.55	-1981.01	2189.03
-2889.92											
1	155	369	-56.35	-138.41	-132.42	-62.33	-21.34	1576.27	762.61	879.66	1459.21
285.56											
1	155	370	-30.43	-132.51	-125.79	-37.15	-25.32	979.77	-1236.67	-1221.78	964.88
181.06											
1	155	371	-8.57	-122.17	-112.08	-18.66	-32.32	320.17	-1857.51	-1853.97	316.63
87.70											
1	155	372	3.63	-114.72	-100.74	-10.35	-38.19	54.37	-1743.77	-1737.32	47.91
107.54											
1	155	373	3.85	-114.06	-94.25	-15.97	-44.09	93.84	-1148.21	-1146.87	92.49
40.82											
1	155	374	5.26	-107.59	-76.10	-26.23	-50.62	903.23	-781.46	28.10	93.67
-841.71											
1	155	375	-0.56	-28.08	-16.03	-12.61	-13.65	1541.72	-1009.58	327.64	204.51
1274.16											
1	155	376	-3.09	-44.71	-3.24	-44.57	-2.47	247.40	-25.92	-0.68	222.15
79.14											
1	155	377	12.18	-61.00	-44.68	-4.14	30.46	2023.00	-618.91	1962.96	-558.87
393.72											
1	155	378	-96.91	-180.24	-176.01	-101.15	18.30	1733.24	-1230.25	-425.94	928.94
1317.82											
1	155	379	-75.66	-159.27	-157.30	-77.63	-12.68	2817.71	-156.22	2062.30	599.18
-1294.56											
1	155	380	-21.82	-50.40	-42.24	-29.97	-12.91	2893.76	-1020.93	2892.50	-1019.67
70.19											
1	155	381	2.65	-20.06	-1.93	-15.48	9.11	2078.00	122.78	124.71	2076.07
61.38											
1	155	382	1.71	-27.92	-5.03	-21.19	12.42	2148.04	-1807.31	-1648.32	1989.06
776.90											
1	155	383	12.45	-77.17	-55.57	-9.15	38.33	9290.10	7625.34	8298.79	8616.65
817.06											
1	155	384	7.07	-123.49	-103.52	-12.90	46.99	3199.99	-744.75	-614.00	3069.24
706.19											
1	155	385	16.82	-157.62	-122.42	-18.38	70.01	1799.12	-1598.34	-1242.65	1443.44
1040.15											
1	155	386	2.10	-171.62	-141.98	-27.54	65.35	2029.30	-2729.65	-1756.17	1055.82
1919.65											
1	155	387	-39.20	-192.00	-176.19	-55.01	46.53	3476.65	-4099.65	-2787.54	2164.55
2866.93											
1	155	388	-56.86	-214.01	-198.25	-72.62	47.21	6525.35	-4059.32	-3310.81	5776.84
2713.39											
1	155	389	-71.46	-252.01	-243.91	-79.56	37.37	1.332e+04	6204.60	6593.94	1.293e+04
1617.84											
1	155	390	-75.13	-277.26	-276.48	-75.90	12.49	4078.77	-6530.54	-6513.77	

4062.01 421.37										
1	155	391	-66.32	-292.04	-292.04	-66.32	0.12	2212.27	-6979.48	-6976.65
2209.44 -161.31										
1	155	392	-61.44	-281.08	-277.25	-65.27	-28.74	2672.11	-6460.57	-6356.32
2567.86 -970.15										
1	155	393	-54.38	-256.22	-251.13	-59.47	-31.63	4760.58	-4828.46	-4503.82
4435.94 -1734.24										
1	155	394	-46.01	-211.85	-197.55	-60.31	-46.55	1.399e+04	9547.39	1.063e+04
1.290e+04 -1909.92										
1	155	395	-33.68	-154.08	-138.04	-49.73	-40.92	5997.65	-120.41	374.06
5503.19 -1667.53										
1	155	396	-12.03	-142.40	-128.49	-25.94	-40.24	2749.10	-1176.20	-848.19
2421.09 -1086.26										
1	155	397	8.64	-122.36	-104.89	-8.83	-44.54	1272.72	-1486.22	-1365.72
1152.21 -563.86										
1	155	398	12.81	-110.16	-92.60	-4.75	-43.03	668.03	-1386.49	-1381.54
663.08 -100.76										
1	155	399	0.71	-101.91	-88.61	-12.59	-34.47	762.95	-1110.35	-1086.17
738.76 211.46										
1	155	400	-29.03	-86.47	-81.27	-34.24	-16.49	1780.29	-2256.13	-2227.27
1751.43 340.08										
1	155	401	-14.90	-57.49	-51.28	-21.10	-15.02	1.009e+04	9184.39	1.007e+04
9205.26 135.88										
1	155	402	-5.16	-37.72	-5.56	-37.32	-3.60	1714.06	-1678.59	-1677.85
1713.32 -50.03										
1	155	403	0.88	-32.51	-1.95	-29.68	-9.29	1817.72	99.81	99.81
1817.72 1.41										
1	155	404	-3.73	-18.62	-3.73	-18.62	-0.19	785.32	-161.65	-154.68
778.35 80.98										
1	155	405	10.30	-24.20	-0.45	-13.45	-15.98	2138.36	-434.07	785.18
919.12 1284.47										
1	155	406	-7.64	-56.13	-53.54	-10.23	10.90	1457.29	-1897.96	1185.61	-
1626.28 915.28										
1	155	407	-4.38	-87.53	-73.29	-18.62	31.32	601.85	-127.96	584.60	-
110.70 -110.88										
1	155	408	13.08	-101.00	-70.92	-17.00	50.27	1111.02	-721.46	-121.77	
511.33 859.83										
1	155	409	-7.73	-162.66	-152.61	-17.78	38.15	3116.11	-1328.10	482.47	
1305.54 2183.66										
1	155	410	-5.03	-232.23	-230.15	-7.11	21.64	3362.33	-4145.26	-1464.59	
681.66 3597.14										
1	155	411	-14.41	-276.18	-274.85	-15.74	18.64	1396.57	-7239.68	-4158.70	-
1684.41 4137.11										
1	155	412	-24.30	-365.59	-364.07	-25.81	22.66	-2965.74	-5886.83	-5174.31	-
3678.26 1254.45										
1	155	413	-17.58	-382.05	-381.68	-17.94	11.51	-688.26	-6314.71	-6248.52	-
754.45 -606.67										
1	155	414	-7.27	-365.46	-365.39	-7.34	4.98	-484.66	-7685.95	-7649.35	-
521.26 -512.11										
1	155	415	-2.76	-342.33	-340.08	-5.01	-27.55	-802.56	-7537.87	-7454.54	-
885.88 -744.50										
1	155	416	-15.53	-301.04	-299.11	-17.45	-23.36	-804.79	-4578.59	-4472.12	-
911.25 -624.85										
1	155	417	-17.13	-285.00	-282.33	-19.80	-26.62	1784.37	-2718.80	973.49	-
1907.93 -1730.32										
1	155	418	-14.29	-194.61	-193.65	-15.26	-13.14	4992.38	-1770.43	2622.94	
599.01 -3226.43										
1	155	419	-13.00	-90.22	-84.81	-18.40	-19.71	2319.72	-1598.16	131.05	
590.51 -1945.42										
1	155	420	-1.09	-66.72	-55.30	-12.52	-24.89	1090.04	-1090.49	-484.75	
484.30 -976.69										
1	155	421	1.12	-59.80	-49.02	-9.66	-23.24	496.50	-684.58	-618.83	
430.76 -270.79										
1	155	422	3.05	-67.99	-56.36	-8.57	-26.28	443.10	-697.93	-607.53	
352.70 308.19										
1	155	423	-5.43	-76.63	-73.57	-8.48	-14.42	1539.72	-1222.54	214.09	
103.09 1380.02										
1	155	424	-4.80	-60.06	-59.88	-4.98	-3.15	1671.82	-1824.62	1668.89	-
1821.68 101.30										

1	155	425	6.20	-21.52	-3.22	-12.10	13.13	1413.77	-558.36	465.73	389.68 -985.33
1	155	426	-3.02	-8.38	-3.23	-8.16	1.05	409.99	-64.89	-58.68	403.78 -53.97
1	155	427	7.84	4.11	4.21	7.74	0.61	37.38	-249.61	-30.96	-181.28-122.24
1	155	428	-2.28	-16.90	-16.89	-2.30	-0.47	423.70	-241.89	423.59	-241.778.59
1	155	429	-2.45	-62.26	-61.99	-2.72	4.00	1211.60	66.88	1209.84	68.64 44.81
1	155	430	-3.68	-114.32	-114.20	-3.79	3.52	582.14	40.16	573.49	48.81 67.92
1	155	431	2.90	-99.84	-99.73	2.79	-3.29	272.56	-136.41	156.34	-20.19184.45
1	155	432	-1.50	-128.48	-128.44	-1.54	2.42	685.28	-453.51	469.30	-237.53446.44
1	155	433	1.42	-221.86	-221.14	0.70	12.68	115.51	-1570.82	-1321.77	-133.55598.30
1	155	434	-4.74	-346.12	-345.75	-5.10	-11.12	414.07	-4243.34	-4161.55	332.27 611.76
1	155	435	-2.75	-338.75	-338.73	-2.77	2.49	275.09	-5152.57	-5111.54	234.06 470.12
1	155	436	-6.94	-419.78	-419.66	-7.06	7.01	58.04	-6206.78	-6203.60	54.86 141.19
1	155	437	0.69	-365.85	-365.84	0.68	-1.80	17.55	-7496.92	-7496.83	17.46 -25.95
1	155	438	-0.31	-347.41	-347.37	-0.35	3.74	99.31	-7254.90	-7243.98	88.38 -283.26
1	155	439	-5.39	-364.72	-364.59	-5.52	-6.76	250.10	-4217.08	-4192.76	225.79 -328.70
1	155	440	-1.79	-246.90	-246.81	-1.89	-4.78	999.09	-174.76	839.32	-15.00-402.51
1	155	441	-6.51	-199.97	-199.88	-6.60	4.10	2243.32	-178.31	2172.16	-107.14-408.98
1	155	442	3.92	-102.33	-102.33	3.92	-6.24e-02	583.28	-166.22	436.44	-19.38-297.48
1	155	443	0.29	-54.27	-54.26	0.27	-0.90	-8.02	-390.00	-356.21	-41.81-108.47
1	155	444	-0.82	-43.19	-43.13	-0.88	-1.62	-58.54	-530.08	-529.71	-58.9113.18
1	155	445	-0.80	-57.45	-57.44	-0.81	-0.73	-33.18	-500.40	-477.78	-55.80100.28
1	155	446	-4.11	-98.25	-98.24	-4.12	-1.00	420.16	-69.81	363.90	-13.55156.20
1	155	447	-2.40	-49.80	-48.67	-3.53	-7.26	1443.60	48.26	1440.77	51.09 62.85
1	155	448	-2.35	-8.57	-8.57	-2.35	-0.12	400.78	-37.32	400.78	-37.32-0.32
1	155	449	7.08	2.51	3.20	6.38	-1.64	2.95	-131.20	-48.72	-79.5365.28
1	159	13	3.81	0.87	1.32	3.36	-1.06	-4.57	-83.31	-22.93	-64.9533.29
1	159	14	-1.60	-2.56	-2.25	-1.91	0.45	293.81	13.50	292.90	14.40 15.88
1	159	15	-0.56	-21.70	-20.55	-1.72	-4.80	1010.15	48.81	1003.39	55.56 80.31
1	159	16	-2.24	-36.66	-36.65	-2.25	-0.75	450.23	-61.95	345.05	43.24 206.90
1	159	17	-0.43	-3.75	-3.74	-0.44	-0.17	32.01	-680.24	-613.83	-34.40207.11
1	159	18	9.93	-0.32	9.88	-0.27	-0.71	-46.15	-863.36	-853.03	-56.4891.31
1	159	19	1.24	-0.12	1.09	3.65e-02	-0.43	-37.56	-568.28	-566.04	-39.80-34.40
1	159	20	-1.80	-23.77	-23.66	-1.92	1.56	475.76	52.49	474.78	53.47 -20.35
1	159	21	-2.04	-28.14	-27.88	-2.30	-2.63	1001.02	23.26	994.94	29.34 76.87
1	159	22	-1.25	-20.02	-20.00	-1.27	-0.58	188.58	-151.09	33.03	4.47 169.23

1	159	23	9.93	-0.12	9.93	-0.11	0.20	-47.30	-887.22	-880.86	-53.6572.78
1	159	24	8.19	-0.18	8.18	-0.18	0.13	-37.90	-849.14	-839.49	-47.54-87.92
1	159	25	-1.38	-16.69	-16.60	-1.47	1.14	155.78	-151.66	-3.89	8.01 -153.60
1	159	26	-2.27	-20.29	-20.26	-2.30	0.79	935.13	35.07	932.67	37.53 -46.97
1	159	27	-1.94	-12.23	-12.18	-1.99	-0.76	350.55	44.95	334.83	60.67 67.52
1	159	28	22.94	-0.26	22.93	-0.26	0.34	-18.29	-786.43	-774.20	-30.5296.16
1	159	29	47.43	-0.47	47.43	-0.47	0.33	-50.13	-1141.67	-1141.53	-50.28-12.62
1	159	30	58.73	-0.63	58.72	-0.62	0.61	-35.86	-1238.23	-1227.73	-46.36-111.87
1	159	31	58.95	-0.74	58.95	-0.73	-0.37	-0.10	-1303.21	-1277.47	-25.85-181.35
1	159	32	33.82	-3.46e-02	33.82	-2.51e-02	-0.57	155.87	-632.49	-549.46	72.84 -241.99
1	159	33	14.49	-4.32	11.69	-1.52	6.70	969.81	14.39	960.97	23.24 -91.51
1	159	34	2.24	-4.36	2.22	-4.33	0.42	367.86	7.12	367.51	7.47 -11.16
1	159	35	4.16	-0.44	-0.18	3.90	1.06	-3.73	-82.93	-27.75	-58.91-36.41
1	159	36	-0.53	-3.14	-1.17	-2.50	1.13	416.17	-13.98	0.29	401.90 -77.05
1	159	37	1.62	-15.64	-6.53	-7.49	8.62	1179.31	-580.80	360.16	238.35 -877.95
1	159	38	-1.78	-30.56	-30.20	-2.15	3.23	1156.41	-2027.83	1134.11	-2005.53 265.53
1	159	39	-2.95	-26.47	-26.16	-3.25	-2.66	2227.96	-1652.50	499.57	75.89 1928.63
1	159	40	1.06	-10.47	-5.99	-3.42	-5.62	1346.68	-1452.93	-735.81	629.55 1222.05
1	159	41	4.95	-5.28	4.92	-5.25	0.63	876.98	-1027.13	-917.45	767.30 443.63
1	159	42	6.50	-10.69	-0.15	-4.05	8.37	809.85	-838.66	-733.72	704.91-402.46
1	159	43	2.49	-26.27	-22.04	-1.74	10.18	1657.15	-821.66	808.35	27.14-1176.24
1	159	44	-2.84	-37.28	-36.94	-3.17	-3.38	1228.77	-1998.05	1041.08	-1810.36 755.26
1	159	45	-3.29	-18.44	-17.39	-4.34	-3.85	1891.97	-1334.65	33.98	523.34 1594.65
1	159	46	3.54	-4.97	3.49	-4.92	0.65	960.72	-1081.29	-969.60	849.04 464.32
1	159	47	10.77	-11.20	3.83	-4.26	10.21	986.79	-1132.48	-947.51	801.82 -598.15
1	159	48	2.82	-19.55	-12.13	-4.60	10.53	1806.68	-1339.08	5.78	461.82-1556.26
1	159	49	0.33	-30.70	-28.44	-1.92	8.06	1106.11	-2057.21	990.90	-1942.01-592.58
1	159	50	3.08	-10.65	-7.27	-0.29	-5.91	1781.52	-1159.81	660.94	-39.231428.39
1	159	51	25.10	-4.53	23.87	-3.31	-5.89	901.98	-1217.07	-932.26	617.16 722.78
1	159	52	42.81	-3.94	42.53	-3.65	-3.62	692.49	-1168.91	-1168.89	692.47 6.78
1	159	53	50.66	-3.61	50.05	-3.01	-5.70	799.07	-1386.56	-1227.55	640.06 -567.67
1	159	54	46.17	-2.85	45.60	-2.27	-5.27	964.17	-1765.00	-1301.06	500.23-1025.14
1	159	55	24.69	-8.73	23.85	-7.88	5.24	1638.68	-2341.23	-729.52	26.97-1953.67
1	159	56	1.27	-10.65	-7.63	-1.75	5.19	1302.94	-2111.57	1241.08	-2049.71-455.43
1	159	57	4.16	-12.90	-11.29	2.56	-4.98	1298.50	-543.55	467.38	

287.58	916.63									
1	159	58	0.31	-2.47	0.10	-2.26	-0.73	391.21	-24.69	-3.61
370.13	91.25									
1	159	59	-1.09	-35.09	-1.75	-34.43	-4.70	2339.95	67.89	71.19
2336.65	86.51									
1	159	60	1.12	-42.88	0.65	-42.41	4.51	2389.25	-1879.84	-1814.05
2323.46	525.86									
1	159	61	-14.28	-22.07	-19.39	-16.95	3.70	1.109e+04	9432.24	1.000e+04
1.052e+04	789.14									
1	159	62	-12.91	-28.71	-28.31	-13.31	-2.48	4448.15	-617.27	-374.60
4205.49	1081.82									
1	159	63	-7.57	-26.43	-22.41	-11.59	-7.72	2612.07	-1574.18	-1329.09
2366.98	982.82									
1	159	64	-9.62	-16.86	-16.14	-10.34	-2.17	2165.71	-1748.22	-1646.76
2064.25	621.94									
1	159	65	-8.82	-18.67	-12.70	-14.79	4.81	2963.69	-1366.91	-1351.45
2948.23	258.30									
1	159	66	-8.04	-24.33	-9.54	-22.83	4.72	5932.30	112.78	116.72
5928.36	151.41									
1	159	67	-15.27	-27.07	-16.41	-25.93	3.48	1.261e+04	1.018e+04	1.028e+04
1.251e+04	479.80									
1	159	68	-16.95	-23.31	-21.64	-18.62	2.79	4420.92	-1386.77	-1340.28
4374.42	517.56									
1	159	69	-10.75	-21.38	-19.19	-12.95	4.31	2551.30	-1787.86	-1775.98
2539.42	226.80									
1	159	70	-3.41	-26.47	-16.96	-12.91	11.35	2766.07	-1692.93	-1680.42
2753.55	-235.87									
1	159	71	-6.59	-25.36	-15.93	-16.02	9.38	4579.17	-1344.07	-1311.14
4546.25	-440.40									
1	159	72	-3.41	-25.98	-6.60	-22.79	7.87	1.285e+04	1.049e+04	1.055e+04
1.280e+04	-353.19									
1	159	73	3.99	-17.61	3.89	-17.51	1.51	5863.89	-6.02	-6.02
5863.88	4.28									
1	159	74	6.57	-7.52	5.86	-6.82	-3.07	2677.51	-1470.77	-1469.76
2676.50	-64.78									
1	159	75	9.29	-0.17	7.89	1.23	-3.37	1447.35	-1877.79	-1830.65
1400.21	-393.09									
1	159	76	11.71	-0.74	5.86	5.11	-6.21	1098.59	-2008.56	-1815.80
905.83	-749.52									
1	159	77	10.50	-11.67	-1.24	7.03e-02	-11.06	1257.08	-2018.04	-1697.81
936.85	-972.75									
1	159	78	-6.07	-31.98	-6.71	-31.34	-4.02	2173.93	-3259.36	-3069.78
1984.35	-997.05									
1	159	79	-3.99	-25.71	-12.18	-17.53	10.53	1.094e+04	9609.61	1.052e+04
1.003e+04	-619.73									
1	159	80	2.81	-45.29	2.78	-45.27	1.12	1967.07	-1661.47	-1634.34
1939.94	-312.57									
1	159	81	-1.89	-43.47	-2.10	-43.25	3.00	1986.11	44.23	46.04
1984.30	-59.25									
1	159	82	-9.99	-26.55	-14.36	-22.18	-7.30	3324.60	-774.64	2692.79	-
142.83	1480.13									
1	159	83	-16.25	-42.29	-16.25	-42.29	-0.37	2761.49	700.62	2580.60	
881.51	583.15									
1	159	84	-7.33	-34.95	-8.22	-34.06	4.86	2781.35	733.93	2649.33	
865.96	-502.87									
1	159	85	4.20	-43.12	-12.92	-26.00	22.74	2971.33	-1029.04	2877.24	-
934.96	-606.23									
1	159	86	-1.48	-43.94	-1.53	-43.88	-1.54	583.58	-104.60	15.09	
463.90	260.85									
1	159	87	-4.04	-21.67	-7.66	-18.05	-7.12	2740.90	-2151.26	190.59	
399.05	2443.86									
1	159	88	4.85	-48.68	-20.10	-23.73	-26.70	1248.63	804.38	806.57	
1246.43	-31.16									
1	159	89	-1.43	-40.68	-19.01	-23.10	-19.51	1111.58	-1411.28	-1324.97	
1025.26	458.60									
1	159	90	-10.56	-29.38	-16.61	-23.33	-8.79	1158.40	-2057.57	-1815.02	
915.85	849.24									
1	159	91	-14.32	-31.35	-14.39	-31.28	1.03	1894.69	-1809.52	-1253.85	
1339.02	1322.70									

1	159	92	-10.41	-41.11	-10.67	-40.84	2.83	3170.98	-444.91	1048.03
1678.03	1780.29									
1	159	93	-20.77	-37.52	-22.97	-35.32	-5.66	2414.23	-384.11	148.63
1881.50	-1098.62									
1	159	94	-23.52	-26.43	-24.27	-25.68	1.27	1294.29	-1807.32	-1796.46
1283.43	-183.20									
1	159	95	-12.97	-35.80	-22.20	-26.57	11.20	1414.31	-1712.71	-1664.47
1366.06	385.40									
1	159	96	-8.92	-41.10	-17.36	-32.66	14.15	2573.08	-414.38	223.64
1935.07	1224.33									
1	159	97	-1.61	-29.65	-1.63	-29.64	0.59	3152.47	-491.17	1000.07
1661.23	-1791.58									
1	159	98	-3.28	-15.35	-3.51	-15.12	-1.63	1763.41	-2012.28	-1409.93
1161.06	-1382.55									
1	159	99	-1.80	-6.65	-6.34	-2.11	1.18	856.42	-2506.06	-2119.77
470.13	-1072.23									
1	159	100	3.86	-11.36	-10.75	3.26	2.97	528.43	-2444.56	-2084.95
168.81	-969.44									
1	159	101	-0.89	-18.47	-17.03	-2.33	4.82	483.30	-1869.19	-1584.17
198.28	-767.63									
1	159	102	7.67	-44.51	-19.88	-16.96	26.05	300.53	-601.74	-479.03
177.82	309.30									
1	159	103	-3.58	-39.58	-9.62	-33.54	13.46	2233.01	-1442.54	447.68
342.79	-1837.02									
1	159	104	-1.58	-66.11	-1.65	-66.05	2.06	419.38	-69.11	7.95
342.33	-178.05									
1	159	105	34.50	-0.86	-0.82	34.46	1.13	10.28	-1213.25	-29.80	-
1173.17	217.79									
1	159	106	32.15	-7.79	-1.36	25.72	-14.67	1480.11	-2321.06	295.07	-
1136.02	1760.74									
1	159	107	18.28	-30.74	-0.82	-11.65	-23.90	1241.50	-2597.57	325.25	-
1681.33	1636.47									
1	159	108	15.31	-47.50	-1.48	-30.71	-27.80	-26.05	-1996.80	-368.69	-
1654.16	746.90									
1	159	109	3.40	-43.86	-6.58	-33.87	-19.29	-890.32	-2063.76	-1435.60	-
1518.48	585.25									
1	159	110	-7.73	-37.79	-11.37	-34.14	-9.82	-766.54	-2552.92	-1806.25	-
1513.21	881.09									
1	159	111	-13.94	-37.59	-14.35	-37.17	-3.10	-284.78	-2702.91	-1348.24	-
1639.45	1200.27									
1	159	112	-15.41	-43.23	-15.41	-43.23	0.17	236.78	-2456.55	-294.99	-
1924.78	1072.12									
1	159	113	-20.28	-46.22	-20.55	-45.95	-2.63	23.39	-2156.48	-4.24	-
2128.85	243.85									
1	159	114	-21.79	-41.04	-22.39	-40.44	-3.33	-605.15	-1893.11	-713.60	-
1784.66	-357.66									
1	159	115	-23.39	-33.13	-23.59	-32.93	1.39	-1402.42	-1812.94	-1726.68	-
1488.67	-167.24									
1	159	116	-18.13	-36.14	-22.05	-32.21	7.43	-1212.26	-1932.40	-1634.19	-
1510.47	354.72									
1	159	117	-14.42	-40.71	-18.51	-36.61	9.53	-529.62	-1952.04	-692.92	-
1788.74	453.45									
1	159	118	-14.10	-38.99	-15.65	-37.44	6.00	0.95	-2137.97	-14.91	-
2122.11	-183.50									
1	159	119	-9.33	-28.91	-9.50	-28.74	1.83	155.81	-2449.54	-409.04	-
1884.68	-1073.58									
1	159	120	-7.54	-17.42	-8.11	-16.85	2.30	-276.62	-2879.50	-1602.68	-
1553.44	-1301.21									
1	159	121	-2.09	-12.52	-7.58	-7.03	5.21	-567.98	-3032.16	-2251.77	-
1348.38	-1146.31									
1	159	122	5.40	-15.76	-9.54	-0.82	9.64	-546.45	-2802.82	-2190.77	-
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1	159	123	4.65	-18.85	-13.66	-0.54	9.75	-309.90	-2067.77	-1421.67	-
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893.95	-477.51									
1	159	125	26.20	-47.39	-11.97	-9.22	36.77	1200.51	-1305.21	981.38	-
1086.08	-707.85									
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1	159	164	-19.64	-38.04	-20.68	-37.00	4.25	-1078.68	-3309.52	-1112.52	-
3275.67	-272.69										
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3099.28	-153.48										
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2639.97	-104.64										
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2100.87	-185.02										
1	159	168	-4.52	-11.11	-11.05	-4.57	0.58	-1477.71	-2327.36	-2200.44	-
1604.63	-302.87										
1	159	169	3.35	-12.56	-12.56	3.35	0.23	-851.54	-1597.40	-1252.12	-
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1	159	170	15.79	-18.15	-14.60	12.23	10.40	547.87	-1032.94	429.61	-
914.68	-415.90										
1	159	171	21.16	-19.67	-6.33	7.83	19.15	646.83	-1065.60	583.95	-
1002.72	-322.07										
1	159	172	25.13	-5.35	-1.90	21.67	9.66	400.81	-746.30	376.67	-
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1	159	173	27.65	-0.66	-0.65	27.65	0.30	-22.26	-780.84	-23.07	-
780.03	-24.78										
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3645.61	297.16										
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3746.81	1282.64										
1	159	176	11.21	-86.48	5.74	-81.00	-22.47	966.07	-2304.01	286.24	-
1624.18	1327.00										
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883.33	441.41										
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1	159	184	-29.30	-42.35	-29.44	-42.22	1.32	-1114.25	-2098.97	-2005.54	-
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1	159	189	-16.83	-24.77	-20.67	-20.93	3.97	-918.04	-1874.10	-1621.31	-
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1	159	190	-10.08	-19.91	-18.83	-11.16	3.06	-866.68	-2381.97	-2355.17	-
893.48	199.74										
1	159	191	-3.95	-18.33	-17.95	-4.32	2.30	-693.36	-2297.42	-2287.71	-
703.07	-124.40										
1	159	192	8.81e-02	-17.84	-17.45	-0.30	2.62	-372.13	-1547.10	-1338.37	-
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1	159	193	9.89	-20.51	-18.36	7.74	7.78	750.69	-1114.83	352.94	-
717.08	-764.08										
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1890.63 159.48

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396.87	52.63									
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1	159	232	-28.82	-45.11	-29.15	-44.78	2.30	2012.04	-1291.93	-1287.47
2007.57	-121.38									
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6588.76	-192.28									
1	159	234	-24.50	-57.03	-56.05	-25.48	5.57	4192.66	1224.23	1240.18
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1	159	235	-7.63	-29.49	-10.26	-26.86	7.11	936.02	-2111.37	-2092.27
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510.73	-247.94									
1	159	239	-0.40	-64.52	-62.45	-2.47	11.33	1046.86	-2674.57	-2662.58	
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1	159	240	14.78	-43.47	-36.69	8.00	18.68	1.147e+04	9528.70	1.145e+04	
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1	159	242	-1.25	-8.62	-1.56	-8.30	-1.48	1591.95	23.28	23.68	
1591.55	-25.05									
1	159	243	32.62	-10.32	3.23	19.08	-19.95	299.82	-2438.86	285.60	-
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1	159	245	-1.12	-48.44	-3.73	-45.82	10.81	1067.79	-706.24	1062.07	-
700.52	-100.56									
1	159	246	-13.26	-53.37	-25.33	-41.31	-18.40	693.34	-321.45	-85.54	
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1	159	253	-33.92	-51.53	-34.58	-50.87	-3.35	428.32	-2657.27	-2640.43	
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1	159	254	-35.46	-47.87	-35.56	-47.76	-1.12	467.98	-2458.87	-2426.50	
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1	159	255	-42.00	-47.85	-45.55	-44.30	2.86	966.84	-1283.80	-1071.29	
754.33	658.12									
1	159	256	-38.09	-50.05	-40.13	-48.01	4.50	873.88	15.74	746.22	
143.40	305.37									
1	159	257	-27.44	-46.05	-38.72	-34.77	9.09	1818.11	-636.38	620.31	
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1	159	258	-11.80	-40.32	-30.25	-21.87	13.63	985.80	-2163.10	-1622.35	
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1	159	259	-4.17	-32.08	-23.21	-13.04	12.99	149.57	-2873.71	-2680.34	-
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1	159	260	-1.09	-28.06	-23.91	-5.24	9.73	-185.02	-2695.93	-2647.44	-
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1	159	261	2.98	-33.79	-31.23	0.41	9.36	-61.12	-1800.22	-1796.79	-
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211.99	1305.55									
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2119.78	-355.89										
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1	159	308	20.83	-24.91	-21.27	17.19	12.37	579.89	-923.80	578.89	-
922.80	-38.76										
1	159	309	24.52	-14.59	-9.33	19.26	13.34	644.79	-1022.14	638.46	-
1015.81	-102.55										
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3837.98	84.43										
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945.49	-511.53									
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946.52	210.08									
1	159	381	-0.37	-20.54	-1.33	-19.59	4.28	2308.83	64.34	64.75
2308.42	30.54									
1	159	382	-3.32	-27.58	-3.35	-27.56	0.78	2297.89	-1708.61	-1684.44
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1	159	386	3.41	-81.20	-68.88	-8.92	29.85	2057.09	-1892.66	-1680.22
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1	159	387	-19.49	-91.78	-86.69	-24.58	18.49	3314.54	-2499.89	-2057.07
2871.73	1542.28									
1	159	388	-31.68	-103.95	-98.76	-36.87	18.66	6469.99	-1790.24	-1518.35
6198.10	1473.75									
1	159	389	-38.90	-122.98	-119.58	-42.31	16.57	1.317e+04	8436.55	8547.41
1.306e+04	715.65									
1	159	390	-38.08	-135.83	-135.36	-38.56	6.79	4494.20	-3973.65	-3970.53
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1	159	391	-30.37	-141.75	-141.74	-30.38	-1.16	2625.67	-4643.39	-4642.26
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1	159	393	-24.87	-124.64	-120.55	-28.96	-19.80	4859.26	-3144.01	-3076.26
4791.51	-733.25									
1	159	394	-23.15	-100.54	-91.73	-31.96	-24.58	1.353e+04	1.039e+04	1.070e+04
1.322e+04	-932.26									
1	159	395	-17.45	-69.02	-61.58	-24.88	-18.11	6144.00	116.23	289.14
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1	159	397	8.65	-49.55	-42.28	1.38	-19.24	1449.63	-1530.62	-1512.41
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892.52	460.06									
1	159	400	-23.82	-35.42	-31.51	-27.72	-5.48	1980.93	-2641.46	-2581.88
1921.35	521.40									
1	159	401	-10.79	-27.07	-24.40	-13.46	-6.03	1.048e+04	9614.65	1.042e+04
9679.15	227.67									
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1901.37	9.93									
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745.21	74.44									
1	159	409	-3.20	-71.23	-66.38	-8.04	17.49	1832.68	-838.55	-232.17	
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1	159	410	-2.46	-110.62	-109.99	-3.09	8.18	2324.25	-2584.06	-1134.11	
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1	159	411	-5.29	-142.99	-142.60	-5.68	7.33	1779.20	-4089.65	-1672.27	-
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1	159	416	-6.32	-148.59	-147.23	-7.68	-13.86	-89.44	-2636.77	-2563.20	-
163.00	426.60									
1	159	417	-4.72	-151.82	-150.47	-6.07	-14.01	1102.33	-1953.54	925.96	-
1777.17	-712.65									
1	159	418	-4.75	-99.87	-99.51	-5.11	-5.77	3704.11	-1517.30	1725.51	
461.30	-2533.03									
1	159	419	-5.88	-33.81	-31.08	-8.61	-8.30	1841.01	-1389.75	-303.95	
755.21	-1526.11									
1	159	420	5.02	-16.43	-5.60	-5.81	-10.73	963.23	-1002.16	-739.50	
700.57	-668.76									
1	159	421	8.04	-10.68	1.90	-4.53	-8.79	606.00	-853.62	-853.45	
605.83	-15.48									
1	159	422	5.67	-12.89	-1.85	-5.37	-9.11	621.31	-1098.77	-925.84	
448.38	517.25									
1	159	423	-2.25	-21.33	-17.85	-5.72	-7.36	1473.83	-1624.90	-221.01	
69.94	1542.52									
1	159	424	-1.04	-33.46	-33.40	-1.10	-1.39	1595.39	-1863.17	1588.72	-
1856.50	151.74									
1	159	425	2.57	-12.91	-4.04	-6.30	7.66	1537.55	-551.43	538.05	
448.07	-1043.52									
1	159	426	-1.38	-5.61	-1.52	-5.47	0.75	469.46	-45.45	-28.18	
452.18	-92.72									
1	159	427	3.48	1.99	2.05	3.42	0.30	16.45	-106.56	-15.75	-
74.36	-54.07									
1	159	428	-1.09	-9.48	-9.46	-1.11	-0.37	407.90	-78.79	402.44	-
73.34	51.22									
1	159	429	-1.60	-34.46	-34.24	-1.82	2.69	1150.94	27.89	1147.20	
31.63	64.71									
1	159	430	-1.89	-59.53	-59.48	-1.94	1.75	457.67	32.94	456.95	
33.66	17.46									
1	159	431	1.26	-44.41	-44.37	1.21	-1.48	-18.82	-280.83	-259.72	-
39.93	71.31									
1	159	432	-1.07	-56.14	-56.12	-1.09	0.95	51.26	-465.80	-254.02	-
160.52	254.27									
1	159	433	0.58	-109.52	-109.24	0.30	5.61	42.84	-1158.91	-1016.26	-
99.81	388.70									
1	159	434	-1.91	-183.01	-182.81	-2.11	-6.08	243.78	-1928.15	-1867.84	
183.48	356.85									
1	159	435	-2.54	-179.81	-179.80	-2.55	1.59	102.93	-2038.02	-2020.39	
85.29	193.50									
1	159	436	-3.48	-215.28	-215.24	-3.53	3.18	34.86	-3194.80	-3194.52	
34.59	-29.61									
1	159	437	0.25	-174.38	-174.38	0.25	-0.86	9.64	-4614.41	-4613.39	

8.63	-68.48										
1	159	438	-0.25	-163.53	-163.52	-0.26	1.35	54.23	-4555.38	-4554.75	
53.60	-53.85										
1	159	439	-2.14	-181.82	-181.77	-2.19	-3.16	121.33	-2449.50	-2447.51	
119.33	-71.66										
1	159	440	-1.74	-129.28	-129.24	-1.78	-2.19	833.26	-82.83	783.83	-
33.40	-206.99										
1	159	441	-3.52	-104.61	-104.57	-3.57	2.10	1369.64	-112.53	1299.43	-
42.32	-314.84										
1	159	442	1.75	-43.21	-43.21	1.75	0.35	212.94	-345.25	-97.01	-
35.29	-277.38										
1	159	443	4.94e-02	-7.32	-7.31	4.31e-02	-0.22	-28.16	-711.98	-687.87	-
52.27	-126.14										
1	159	444	4.13	-0.61	4.02	-0.49	-0.74	-51.05	-831.14	-830.99	-
51.19	-10.63										
1	159	445	-0.35	-1.72	-1.60	-0.47	-0.39	-20.91	-871.82	-864.12	-
28.61	80.59										
1	159	446	-1.54	-30.98	-30.97	-1.55	-0.28	158.62	-175.49	-67.60	
50.74	156.22										
1	159	447	-1.02	-19.35	-18.19	-2.18	-4.47	1308.39	2.17	1306.42	
4.14	50.72										
1	159	448	-1.72	-4.68	-4.67	-1.73	-6.27e-02	442.09	-5.38	440.32	-
3.62	-28.04										
1	159	449	3.45	1.07	1.37	3.15	-0.78	-1.70	-85.46	-34.14	-
53.02	40.81										
1	163	13	0.23	-0.11	0.10	2.29e-02	-0.17	-2.91	-38.54	-12.94	-
28.51	16.02										
1	163	14	0.28	-0.57	-0.44	0.15	0.30	335.16	37.43	332.14	
40.44	-29.80										
1	163	15	-1.29e-02	-3.40	-2.65	-0.76	-1.40	1026.79	38.95	1026.73	
39.02	7.78										
1	163	16	0.18	-1.49	-1.15	-0.15	0.67	367.99	-9.99	320.90	
37.10	124.83										
1	163	17	11.99	7.22e-02	11.99	7.26e-02	7.16e-02	-12.71	-679.07	-653.41	-
38.36	128.20										
1	163	18	17.04	0.16	17.04	0.16	0.20	-60.27	-900.34	-899.87	-
60.74	19.88										
1	163	19	9.53	0.20	9.52	0.20	0.24	-26.75	-616.76	-599.87	-
43.64	-98.38										
1	163	20	-1.88e-02	-4.63	-4.61	-3.65e-02	0.28	457.25	29.67	442.46	
44.45	-78.12										
1	163	21	-1.20	-6.92	-6.87	-1.24	-0.50	962.00	0.60	960.92	
1.68	32.23										
1	163	22	3.41	8.96e-02	3.36	0.14	0.42	166.97	-171.17	-6.41	
2.21	169.02										
1	163	23	20.35	0.17	20.35	0.17	4.99e-02	-46.34	-925.85	-918.39	-
53.80	80.64										
1	163	24	20.24	0.18	20.23	0.18	0.29	-40.76	-871.22	-864.75	-
47.24	-73.04										
1	163	25	8.83	0.18	8.83	0.18	-6.70e-02	129.21	-136.15	-13.09	
6.15	-132.33										
1	163	26	3.40	-1.34	3.33	-1.27	-0.59	936.42	11.51	936.19	
11.74	-14.49										
1	163	27	11.81	-0.18	11.77	-0.15	0.62	392.21	11.70	349.20	
54.72	120.49										
1	163	28	34.98	5.45e-02	34.98	5.60e-02	-0.23	0.15	-793.22	-761.78	-
31.29	154.78										
1	163	29	55.17	0.16	55.17	0.16	-0.24	-48.55	-1129.74	-1127.52	-
50.78	48.97										
1	163	30	66.00	0.17	66.00	0.17	-0.19	-37.60	-1199.56	-1197.30	-
39.86	-51.16										
1	163	31	69.09	0.20	69.09	0.20	-0.16	2.22	-1203.85	-1189.19	-
12.44	-132.17										
1	163	32	56.44	1.08	56.39	1.13	-1.65	156.75	-465.58	-386.64	
77.81	-207.11										
1	163	33	22.63	-0.64	22.41	-0.41	2.29	1058.94	7.63	1054.36	
12.21	-69.24										
1	163	34	2.90	-1.77	2.89	-1.75	0.29	396.05	13.59	395.73	
13.91	11.03										

1	163	35	0.56	-0.93	-0.92	0.54	0.13	-3.97	-67.25	-23.37	-47.85
-29.17											
1	163	36	0.43	-1.73	0.20	-1.50	0.67	552.70	-19.41	5.01	528.28
-115.65											
1	163	37	-0.60	-8.51	-3.72	-5.38	3.87	1421.21	-556.87	453.00	411.35
-988.82											
1	163	38	3.21	-15.85	-13.69	1.06	6.04	1164.70	-1883.06	1163.93	-1882.30
48.37											
1	163	39	6.09	-3.40	-2.26e-02	2.71	4.54	2025.01	-1373.57	490.82	160.62
1691.25											
1	163	40	18.41	-1.47	17.09	-0.15	4.95	1233.65	-1259.80	-753.93	727.78
1002.72											
1	163	41	24.21	-0.88	23.48	-0.16	4.19	923.12	-966.73	-933.64	890.04
247.87											
1	163	42	17.27	-1.19	15.94	0.14	4.77	1029.29	-929.00	-741.33	841.62
-576.44											
1	163	43	3.89	-5.60	-3.70	1.98	3.80	1865.77	-871.59	814.12	180.07
-1331.46											
1	163	44	4.32	-14.06	-13.96	4.22	1.33	1185.82	-1780.00	1051.01	-1645.19
617.76											
1	163	45	6.85	1.10	6.72	1.22	0.84	1894.41	-1193.88	34.26	666.27
1511.46											
1	163	46	26.28	-0.95	26.04	-0.71	2.56	1062.04	-1054.49	-971.71	979.26
410.32											
1	163	47	27.10	-0.96	26.62	-0.48	3.62	1110.45	-1133.87	-946.04	922.62
-621.50											
1	163	48	12.51	0.19	11.48	1.22	3.41	1882.76	-1278.19	24.70	579.87
-1555.90											
1	163	49	4.97	-4.51	-4.07	4.54	1.97	1135.92	-1936.30	1029.36	-1829.75
-562.15											
1	163	50	12.68	2.72	12.58	2.82	-0.98	1903.06	-1145.90	701.99	55.17
1489.78											
1	163	51	41.38	-0.10	41.27	5.26e-03	-2.10	1021.66	-1238.21	-902.46	685.90
803.76											
1	163	52	59.82	-0.34	59.51	-3.16e-02	-4.31	743.66	-1142.85	-1136.91	737.73
105.61											
1	163	53	68.10	-0.90	67.10	0.10	-8.27	766.09	-1291.14	-1184.29	659.25
-456.49											
1	163	54	66.77	-3.01	64.83	-1.07	-11.49	893.79	-1625.77	-1231.12	499.14
-915.75											
1	163	55	40.42	-2.42	40.42	-2.42	-0.14	1660.71	-2148.43	-546.59	58.87
-1880.36											
1	163	56	4.81	0.15	4.63	0.33	0.90	1364.22	-2087.64	1326.57	-2049.99
-358.52											
1	163	57	3.73	-6.99	-6.95	3.69	-0.67	1438.41	-551.96	517.87	368.58
992.38											
1	163	58	1.17	-0.48	1.11	-0.42	-0.31	451.75	-28.90	-3.51	426.36
107.51											
1	163	59	-0.80	-19.77	-0.82	-19.75	-0.62	2405.15	49.29	50.21	2404.22
46.61											
1	163	60	3.24	-32.54	0.70	-29.99	9.20	2424.71	-1815.89	-1789.51	2398.33
333.41											
1	163	61	12.91	-19.37	-2.68	-3.79	16.13	1.087e+04	9610.59	9932.35	1.055e+04
549.77											
1	163	62	10.08	-3.17	4.39	2.52	6.56	4493.73	-475.09	-322.60	4341.24
856.99											
1	163	63	13.27	0.40	6.87	6.80	6.43	2687.80	-1462.52	-1312.01	2537.29
775.89											
1	163	64	15.46	1.00	9.02	7.43	7.19	2304.07	-1669.50	-1622.55	2257.11
429.40											
1	163	65	15.31	-1.77	9.01	4.53	8.24	3152.86	-1322.49	-1321.10	3151.47
78.77											
1	163	66	12.79	-4.87	8.90	-0.97	7.32	6138.09	189.22	189.25	6138.06
-12.48											
1	163	67	12.40	-4.96	11.15	-3.71	4.48	1.273e+04	1.026e+04	1.031e+04	1.269e+04
4330.07											
1	163	68	12.49	-0.15	12.25	9.62e-02	1.73	4605.59	-1298.79	-1269.96	4576.77
411.56											
1	163	69	15.98	3.63	14.96	4.66	3.41	2731.94	-1746.60	-1740.35	

2725.69	167.21									
1	163	70	18.63	2.61	16.35	4.90	5.60	2949.27	-1656.19	-1640.63
2933.70	-267.32									
1	163	71	18.14	-0.28	16.38	1.47	5.40	4766.83	-1260.02	-1226.89
4733.70	-445.60									
1	163	72	22.21	-2.73	21.84	-2.36	3.00	1.303e+04	1.061e+04	1.066e+04
1.298e+04	-330.42									
1	163	73	24.97	0.92	24.73	1.16	-2.40	6026.22	97.72	98.14
6025.80	50.06									
1	163	74	29.99	6.50	28.92	7.57	-4.90	2796.21	-1408.04	-1408.04
2796.21	2.38									
1	163	75	35.19	9.61	32.67	12.13	-7.63	1517.60	-1794.22	-1764.89
1488.27	-310.26									
1	163	76	39.72	6.69	32.61	13.80	-13.57	1115.20	-1890.85	-1741.30
965.66	-653.58									
1	163	77	40.43	-1.58	28.09	10.75	-19.13	1234.59	-1893.41	-1634.62
975.80	-861.70									
1	163	78	26.75	-20.65	25.06	-18.95	-8.79	2195.87	-3068.23	-2915.25
2042.89	-884.25									
1	163	79	5.12	-3.09	5.05	-3.02	-0.75	1.102e+04	9868.72	1.072e+04
1.016e+04	-501.68									
1	163	80	3.98	-26.31	3.63	-25.95	-3.26	1971.01	-1655.61	-1644.83
1960.23	-197.45									
1	163	81	-1.07	-20.77	-1.09	-20.75	-0.53	2005.62	28.91	29.71
2004.81	-39.99									
1	163	82	9.29	-10.21	-0.43	-0.49	9.75	3196.17	-508.42	2696.10	-
8.35	1265.89									
1	163	83	13.13	-4.91	12.12	-3.90	4.15	2753.08	907.52	2644.79
1015.81	433.73									
1	163	84	20.77	0.53	20.73	0.57	-0.82	2885.09	856.73	2762.25
979.57	-483.81									
1	163	85	12.16	-7.39	3.76	1.00	9.68	3077.61	-984.12	3016.92	-
923.44	-492.74									
1	163	86	0.49	-13.48	0.49	-13.48	0.11	634.82	-74.01	16.34
544.47	236.39									
1	163	87	4.47	-11.95	-0.26	-7.22	7.44	2579.08	-1938.61	161.96
478.52	2253.29									
1	163	88	12.53	-1.64	5.70	5.19	7.08	1473.10	760.11	848.69
1384.53	-235.17									
1	163	89	14.27	2.47	9.20	7.54	5.84	1184.91	-1319.83	-1292.61
1157.69	259.71									
1	163	90	14.36	1.92	10.16	6.12	5.88	1179.70	-1934.27	-1789.62
1035.04	655.38									
1	163	91	15.32	-1.25	11.57	2.49	6.93	1872.64	-1637.28	-1213.16
1448.53	1144.00									
1	163	92	14.42	-4.21	12.40	-2.19	5.79	3110.42	-217.16	1108.32
1784.95	1629.03									
1	163	93	15.16	-1.02	14.62	-0.48	2.90	2597.02	-412.59	216.48
1967.94	-1223.74									
1	163	94	16.41	2.13	15.85	2.69	2.77	1381.45	-1758.17	-1735.97
1359.24	-263.12									
1	163	95	17.95	1.64	17.20	2.39	3.42	1483.42	-1636.68	-1596.60
1443.34	351.35									
1	163	96	19.13	-8.70e-02	18.83	0.21	2.38	2658.93	-318.44	318.54
2021.95	1220.98									
1	163	97	24.44	2.79	24.17	3.07	-2.43	3214.81	-362.99	1108.51
1743.31	-1760.52									
1	163	98	27.59	7.82	26.00	9.41	-5.37	1799.68	-1899.67	-1322.08
1222.09	-1342.79									
1	163	99	28.50	11.38	24.33	15.55	-7.35	862.16	-2390.66	-2041.78
513.28	-1006.54									
1	163	100	29.74	10.07	21.24	18.57	-9.74	513.89	-2314.86	-2001.58
200.60	-887.73									
1	163	101	30.89	2.30	17.58	15.61	-14.26	452.62	-1714.79	-1483.92
221.75	-668.65									
1	163	102	12.53	5.69	12.17	6.05	-1.53	453.17	-563.35	-312.39
202.21	438.33									
1	163	103	-0.33	-8.21	-0.67	-7.88	1.60	2142.93	-1368.06	452.24
322.64	-1754.30									

1	163	104	9.68e-02	-18.51	8.88e-02	-18.50	0.39	396.72	-66.44	10.39	
319.88	-172.29										
1	163	105	18.95	-0.56	-0.56	18.95	-3.38e-02	10.69	-1002.07	-28.48	-
962.90	195.29										
1	163	106	22.90	-1.13	0.17	21.60	5.45	1371.43	-2037.44	271.97	-
937.97	1593.46										
1	163	107	15.60	0.47	6.92	9.15	7.48	1149.12	-2285.92	366.22	-
1503.03	1440.95										
1	163	108	13.30	4.93	10.74	7.49	3.85	-135.93	-1712.07	-338.91	-
1509.08	527.95										
1	163	109	15.28	4.38	13.29	6.37	4.21	-1061.64	-1774.08	-1406.27	-
1429.44	356.03										
1	163	110	16.62	2.31	14.08	4.85	5.47	-946.90	-2315.71	-1781.10	-
1481.51	667.81										
1	163	111	16.61	-0.61	14.19	1.81	5.99	-454.56	-2511.54	-1311.82	-
1654.28	1014.14										
1	163	112	16.18	-3.48	14.54	-1.83	5.45	152.01	-2346.60	-240.89	-
1953.70	909.58										
1	163	113	15.04	-3.46	14.14	-2.57	3.96	64.31	-2180.30	60.07	-
2176.06	97.52										
1	163	114	16.01	-1.46	15.57	-1.02	2.75	-469.21	-2007.97	-644.09	-
1833.08	-488.39										
1	163	115	17.22	1.68	16.88	2.02	2.25	-1339.50	-1845.68	-1649.89	-
1535.29	-246.52										
1	163	116	18.24	2.02	17.98	2.29	2.05	-1227.68	-1874.08	-1550.62	-
1551.14	323.20										
1	163	117	19.01	0.34	18.96	0.39	0.93	-454.00	-1971.29	-600.43	-
1824.87	448.03										
1	163	118	19.55	0.49	19.40	0.64	-1.65	98.84	-2174.50	85.03	-
2160.69	-176.60										
1	163	119	23.21	3.52	22.26	4.46	-4.21	225.65	-2448.31	-308.63	-
1914.03	-1069.20										
1	163	120	26.27	8.29	24.19	10.37	-5.75	-272.57	-2830.66	-1509.19	-
1594.04	-1278.34										
1	163	121	27.31	13.24	24.59	15.96	-5.55	-606.21	-2936.30	-2160.54	-
1381.97	-1098.09										
1	163	122	26.05	15.89	21.38	20.56	-5.06	-607.82	-2675.65	-2100.30	-
1183.17	-926.66										
1	163	123	28.55	8.69	14.60	22.63	-9.08	-361.80	-1909.23	-1305.13	-
965.91	-754.89										
1	163	124	27.20	4.44	5.51	26.13	4.82	362.58	-1008.48	251.42	-
897.32	-374.23										
1	163	125	24.13	-6.31	2.97	14.85	14.01	1239.40	-1261.93	1087.11	-
1109.64	-598.11										
1	163	126	14.56	-0.70	0.27	13.59	3.72	893.99	-1171.54	404.19	-
681.73	-878.52										
1	163	127	7.29	0.17	0.18	7.28	0.18	4.75	-726.55	-14.08	-
707.72	-115.82										
1	163	128	53.51	1.52	1.52	53.51	-0.44	-22.05	-1563.10	-31.23	-
1553.91	118.61										
1	163	129	47.36	-4.82	-4.63	47.17	3.12	616.42	-1872.41	315.15	-
1571.14	811.82										
1	163	130	25.09	3.52	11.43	17.18	10.40	-344.51	-3216.44	-625.68	-
2935.27	853.49										
1	163	131	21.43	5.67	17.90	9.20	6.57	-1191.43	-3816.88	-1312.09	-
3696.22	549.75										
1	163	132	23.21	4.29	21.16	6.34	5.87	-1734.09	-3963.38	-1822.73	-
3874.73	435.61										
1	163	133	23.16	2.99	21.80	4.35	5.06	-1887.64	-4176.47	-2003.89	-
4060.22	502.56										
1	163	134	19.09	1.72	17.93	2.88	4.34	-1618.00	-4589.59	-1740.22	-
4467.37	590.13										
1	163	135	13.66	0.76	12.50	1.92	3.69	-1232.21	-4993.61	-1302.39	-
4923.42	508.98										
1	163	136	12.29	0.62	11.41	1.50	3.09	-1153.22	-5115.95	-1166.08	-
5103.09	225.35										
1	163	137	15.77	1.14	15.30	1.61	2.58	-1458.18	-4818.22	-1458.40	-
4818.00	-27.17										
1	163	138	21.09	2.05	20.92	2.22	1.82	-1884.17	-4407.67	-1884.98	-

4406.86 -45.08											
1	163	139	21.43	2.82	21.39	2.86	0.87	-1852.88	-4476.04	-1855.03	-
4473.90 74.95											
1	163	140	17.28	3.88	17.28	3.88	-0.23	-1465.67	-4852.16	-1465.82	-
4852.01 22.37											
1	163	141	14.19	5.55	13.91	5.84	-1.53	-1179.65	-5103.34	-1196.32	-
5086.67-255.23											
1	163	142	18.40	7.44	17.54	8.30	-2.95	-1344.93	-4925.28	-1442.09	-
4828.12 -581.74											
1	163	143	26.96	9.96	25.84	11.08	-4.21	-1810.34	-4422.77	-2025.46	-
4207.65 -718.12											
1	163	144	33.98	12.77	32.68	14.07	-5.09	-2097.91	-3860.31	-2443.14	-
3515.08-699.46											
1	163	145	35.49	15.64	33.28	17.85	-6.24	-1903.87	-3310.48	-2320.60	-
2893.75-642.27											
1	163	146	32.08	11.89	17.83	26.14	-9.20	-1071.99	-2473.11	-1362.45	-
2182.64-567.98											
1	163	147	49.92	-13.54	-13.22	49.60	4.49	507.35	-1474.81	440.40	-
1407.86-358.08											
1	163	148	30.94	-1.32	2.80	26.83	10.76	792.17	-1170.67	701.78	-
1080.28 -411.40											
1	163	149	27.44	-3.17e-02	0.47	26.94	3.67	538.16	-884.55	385.16	-
731.55-440.75											
1	163	150	22.91	0.14	0.14	22.91	0.33	-20.62	-793.45	-25.62	-
788.44-61.99											
1	163	151	39.54	-0.31	-0.30	39.53	-0.64	-39.11	-1131.92	-40.42	-
1130.6137.82											
1	163	152	41.17	-6.19e-02	0.75	40.36	5.73	315.67	-1086.06	302.48	-
1072.87 135.31											
1	163	153	28.62	4.11	9.76	22.97	10.32	-400.82	-1717.71	-425.28	-
1693.24 177.82											
1	163	154	24.86	4.84	14.65	15.05	10.01	-955.18	-2213.59	-1048.48	-
2120.29 329.70											
1	163	155	21.74	6.33	16.24	11.83	7.38	-1438.82	-2471.45	-1569.46	-
2340.80 343.28											
1	163	156	19.04	7.16	16.73	9.48	4.70	-1662.33	-2617.72	-1723.12	-
2556.92 233.20											
1	163	157	17.43	5.48	16.79	6.12	2.70	-1423.02	-2902.01	-1437.01	-
2888.02 143.19											
1	163	158	17.19	2.45	16.92	2.72	1.98	-1011.70	-3237.88	-1026.10	-
3223.48 178.47											
1	163	159	17.45	1.22	17.14	1.52	2.22	-909.46	-3370.76	-942.86	-
3337.35 284.81											
1	163	160	18.06	2.57	17.65	2.98	2.49	-1223.19	-3237.67	-1269.41	-
3191.45 301.59											
1	163	161	18.63	5.34	18.45	5.52	1.50	-1686.25	-2986.68	-1694.03	-
2978.90 100.28											
1	163	162	18.98	6.15	18.98	6.16	-0.15	-1628.04	-3024.64	-1649.60	-
3003.08 -172.19											
1	163	163	19.24	5.22	19.17	5.29	-1.01	-1216.17	-3240.50	-1260.19	-
3196.49-295.24											
1	163	164	19.85	5.38	19.75	5.49	-1.23	-947.62	-3340.27	-975.32	-
3312.57-255.96											
1	163	165	20.75	8.64	20.60	8.79	-1.33	-1165.85	-3127.83	-1173.50	-
3120.17-122.30											
1	163	166	22.33	13.66	21.60	14.39	-2.41	-1745.34	-2648.50	-1749.27	-
2644.56 -59.49											
1	163	167	26.10	16.13	21.99	20.23	-4.91	-2006.89	-2279.06	-2196.41	-
2089.54 -125.16											
1	163	168	31.09	14.26	19.85	25.51	-7.93	-1490.25	-2146.69	-2053.96	-
1582.98-228.63											
1	163	169	34.41	9.95	13.00	31.36	-8.08	-852.06	-1418.01	-1093.80	-
1176.28 -279.95											
1	163	170	38.28	4.31	4.31	38.28	-0.31	695.12	-960.08	636.22	-
901.18-306.64											
1	163	171	30.85	2.46	4.36	28.94	7.11	732.87	-1024.82	708.00	-
999.95-207.60											
1	163	172	32.15	0.15	0.72	31.59	4.21	391.97	-736.29	389.06	-
733.38-57.21											

1	163	173	27.93	0.11	0.12	27.92	0.25	-24.54	-791.99	-24.80	-791.73
-14.10											
1	163	174	26.85	-3.47e-02	-2.45e-02	26.84	-0.53	-6.98	-744.73	-6.98	-744.73
0.57											
1	163	175	29.17	8.07e-02	8.19e-02	29.17	0.18	223.64	-791.44	172.02	-739.82
-223.01											
1	163	176	20.25	5.23	6.89	18.59	4.70	77.65	-1039.14	73.16	-1034.65
-70.68											
1	163	177	19.92	5.79	10.39	15.32	6.62	-422.14	-1252.79	-605.70	-1069.23
344.65											
1	163	178	19.21	7.59	13.28	13.51	5.81	-833.03	-1656.70	-1465.75	-1023.98
347.59											
1	163	179	17.62	8.80	15.12	11.30	3.97	-1096.33	-1734.05	-1733.07	-1097.32
25.04											
1	163	180	16.34	6.68	15.85	7.18	2.14	-1000.29	-1546.06	-1210.64	-1335.72
-265.62											
1	163	181	17.04	2.48	16.93	2.58	1.24	-406.46	-1674.85	-415.71	-1665.61
-107.88											
1	163	182	17.47	0.46	17.28	0.66	1.80	-221.70	-1861.39	-308.37	-1774.71
366.89											
1	163	183	18.41	2.74	18.13	3.02	2.06	-646.53	-1949.56	-1025.01	-1571.08
591.54											
1	163	184	19.41	6.19	19.33	6.27	1.00	-1309.84	-1909.28	-1809.21	-1409.91
223.55											
1	163	185	19.47	6.97	19.46	6.97	-0.25	-1205.09	-1922.38	-1710.04	-1417.44
-327.45											
1	163	186	19.07	5.54	18.91	5.70	-1.46	-610.90	-1912.60	-958.37	-1565.12
-575.82											
1	163	187	19.06	4.98	18.93	5.11	-1.36	-224.51	-1813.71	-279.70	-1758.51
-290.98											
1	163	188	19.43	8.80	19.16	9.08	-1.68	-450.99	-1677.50	-507.32	-1621.17
256.74											
1	163	189	20.27	14.22	18.83	15.66	-2.57	-865.07	-1868.33	-1483.18	-1250.22
487.92											
1	163	190	24.39	16.10	18.60	21.89	-3.81	-880.24	-2273.39	-2214.86	-938.78
279.50											
1	163	191	27.33	15.11	16.67	25.76	-4.08	-716.80	-2140.95	-2139.96	-717.78
-37.51											
1	163	192	27.54	12.78	13.06	27.25	-2.03	-405.69	-1334.37	-1165.46	-574.60
-358.23											
1	163	193	33.35	6.45	6.80	33.00	3.04	856.88	-985.40	574.10	-702.62
-664.08											
1	163	194	27.01	3.59	6.42	24.18	7.63	1379.24	-1057.86	1368.22	-1046.83
-163.54											
1	163	195	29.42	-0.53	0.76	28.13	6.08	564.12	-840.73	445.05	-721.67
391.27											
1	163	196	24.54	9.99e-02	0.10	24.54	0.28	-13.70	-750.09	-15.65	-748.14
37.85											
1	163	197	9.65	0.26	0.26	9.65	0.11	85.20	55.46	55.89	84.76
-3.57											
1	163	198	15.27	-5.56	-5.56	15.27	-8.70e-02	503.97	-492.31	-20.57	32.22
-497.44											
1	163	199	10.52	4.29	4.29	10.51	0.12	1159.45	-292.96	1158.67	-292.17
-33.73											
1	163	200	14.69	3.90	4.08	14.52	1.35	926.54	-626.96	-25.94	325.53
756.61											
1	163	201	14.73	13.08	14.39	13.42	0.67	334.66	-1749.03	-1633.03	218.66
477.76											
1	163	202	20.75	10.42	19.85	11.33	2.92	165.58	-2086.40	-2086.03	165.21
-28.72											
1	163	203	17.44	6.38	15.78	8.04	3.95	606.67	-1421.30	-1234.58	419.95
-586.35											
1	163	204	11.51	3.54	11.38	3.67	1.00	1331.10	-145.88	854.64	330.58
-690.44											
1	163	205	14.47	-0.50	14.47	-0.50	-0.27	1163.24	-508.52	796.49	-141.77
691.82											
1	163	206	15.67	4.16	15.31	4.52	-1.99	779.53	-1330.52	-895.08	344.09
853.92											
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28.67285.28
1 163 208 25.00 6.03 24.72 6.31 2.30 107.26 -2107.27 -2031.18
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1 163 209 15.40 7.40 14.82 7.98 2.08 853.85 -1211.26 -753.44
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1 163 210 14.84 3.86 14.84 3.86 -8.25e-02 1220.89 -394.71 953.15 -
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1 163 211 12.75 8.75 11.61 9.89 -1.80 1458.56 -311.48 821.95
325.13 849.44
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274.18 798.85
1 163 213 26.38 17.50 23.05 20.83 -4.30 -109.17 -2586.69 -2536.96 -
158.90347.48
1 163 214 23.46 20.96 20.96 23.46 9.12e-02 -301.51 -2524.80 -2524.06 -
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1 163 215 24.63 12.74 13.71 23.67 3.25 32.77 -1791.43 -1670.40 -
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233.46-1678.80
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1 163 218 15.06 -2.75e-02 1.04 14.00 3.86 1625.20 -814.63 426.39
384.18 1219.73
1 163 219 13.84 -7.65e-02 -5.63e-02 13.82 0.53 315.24 -13.79 14.21
287.24 91.81
1 163 220 -1.95 -12.49 -2.00 -12.44 0.77 1722.97 -90.53 -90.12
1722.56 27.25
1 163 221 14.31 -19.61 14.26 -19.56 1.29 1830.89 -485.95 -479.75
1824.69 119.70
1 163 222 22.93 -51.97 -51.97 22.93 -2.00e-02 4961.50 4402.87 4443.68
4920.69 145.37
1 163 223 16.22 1.84 2.06 15.99 -1.77 2107.47 -138.01 -127.83
2097.29 150.86
1 163 224 34.18 6.54 34.13 6.59 -1.21 473.29 -2081.08 -2071.98
464.20 152.14
1 163 225 46.44 1.64 46.44 1.64 -0.17 181.10 -2528.38 -2520.61
173.34 144.85
1 163 226 33.69 3.02 33.65 3.06 1.11 1129.58 -1754.86 -1748.95
1123.66 130.48
1 163 227 11.09 -13.88 -13.80 11.00 1.44 4088.72 1516.51 1521.48
4083.75 112.97
1 163 228 15.78 -41.53 -41.53 15.78 -0.48 6108.97 4821.98 4829.68
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1 163 229 28.39 2.35 28.36 2.38 -0.87 1540.96 -1237.30 -1235.54
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1 163 230 50.80 -3.07 50.80 -3.07 -5.64e-02 66.28 -2719.54 -2719.30
66.03 26.08
1 163 231 47.44 -1.21 47.43 -1.19 0.84 256.75 -2537.41 -2537.32
256.65 -16.23
1 163 232 26.25 5.57 26.16 5.66 1.34 1727.81 -1042.21 -1041.65
1727.25 -39.38
1 163 233 22.36 -45.60 -45.60 22.35 0.53 6279.57 5075.99 5079.75
6275.81 -67.19
1 163 234 18.65 -14.77 -14.75 18.64 -0.74 3992.01 1449.66 1452.16
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1 163 238 19.90 17.24 18.88 18.26 1.30 -512.96 -2112.21 -2106.68 -
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1 163 240 23.24 -10.18 -9.39 22.45 5.07 1.179e+04 9744.29 1.179e+04
9747.61 -82.26
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1487.58 -68.73

1	163	242	4.12	-0.70	-0.63	4.05	-0.58	1623.12	24.34	24.47	1622.99 -14.61
1	163	243	9.52	1.25	1.33	9.44	-0.84	150.42	-1.89	56.34	92.19 74.01
1	163	244	13.42	-6.03	-5.97	13.37	1.02	785.80	-756.24	-21.95	51.50 770.15
1	163	245	7.35	3.02	3.19	7.17	0.85	1253.26	-300.77	1164.24	-211.76361.12
1	163	246	15.12	3.50	4.42	14.20	-3.13	710.21	-273.94	-9.17	445.44 -436.43
1	163	247	17.91	12.32	14.57	15.66	-2.74	360.95	-1641.83	-1626.62	345.73 -173.88
1	163	248	21.02	11.75	19.56	13.20	-3.37	323.31	-2135.11	-2094.98	283.19 311.52
1	163	249	17.36	8.20	16.32	9.25	-2.92	859.34	-1590.02	-1255.45	524.77 841.16
1	163	250	11.48	6.18e-02	11.48	6.19e-02	-2.87e-02	1559.39	-299.74	819.92	439.73 909.92
1	163	251	14.15	-4.82	14.15	-4.82	-0.30	1010.70	-293.44	780.47	-63.22-497.24
1	163	252	15.35	4.26	15.25	4.35	1.01	725.30	-1256.51	-949.23	418.02 -717.32
1	163	253	25.12	6.37	25.07	6.42	0.99	84.39	-2271.42	-2245.14	58.11-247.40
1	163	254	24.09	7.40	24.05	7.45	-0.87	175.33	-2143.23	-2081.65	113.75 372.80
1	163	255	14.12	7.33	14.11	7.33	-0.23	830.66	-1176.91	-807.54	461.29 777.88
1	163	256	14.38	-0.13	14.20	4.79e-02	1.59	1113.81	-249.24	933.52	-68.94461.78
1	163	257	12.42	6.36	11.63	7.14	2.03	1625.08	-432.59	790.66	401.84-1010.30
1	163	258	22.58	11.69	17.02	17.25	5.44	780.45	-1892.69	-1456.03	343.79 -988.22
1	163	259	27.61	16.35	22.29	21.66	5.62	29.84	-2654.41	-2535.37	-89.20-552.59
1	163	260	25.52	18.96	19.93	24.55	2.33	-225.53	-2518.94	-2506.48	-237.99-168.58
1	163	261	24.21	12.50	12.50	24.21	-1.72e-02	-2.31	-1677.21	-1638.49	-41.02251.68
1	163	262	14.78	7.33	7.40	14.70	0.73	1796.59	-1185.62	363.02	247.96 1490.00
1	163	263	17.73	-1.03	-1.02	17.72	-0.22	3590.66	-1189.77	3586.16	-1185.27-146.56
1	163	264	14.29	1.26	1.26	14.29	7.23e-02	1761.07	-952.81	433.02	375.25-1356.63
1	163	265	15.21	0.27	0.27	15.21	-4.67e-02	325.88	-33.15	14.22	278.51 -121.51
1	163	266	30.05	-7.19e-02	-6.80e-02	30.05	-0.34	0.36	-775.29	-5.44	-769.4966.83
1	163	267	31.35	0.37	0.37	31.35	0.10	394.73	-977.38	181.70	-764.35496.91
1	163	268	19.77	6.18	7.66	18.29	-4.23	160.19	-1205.45	37.37	-1082.63 390.69
1	163	269	20.80	4.29	10.74	14.36	-8.05	-655.34	-1129.22	-656.27	-1128.29 -20.91
1	163	270	20.71	5.99	13.36	13.34	-7.36	-1093.86	-1534.86	-1530.14	-1098.58 -45.36
1	163	271	17.85	8.05	14.92	10.98	-4.49	-1093.75	-1902.05	-1813.08	-1182.71252.97
1	163	272	16.04	5.50	15.78	5.77	-1.65	-847.00	-1888.06	-1308.93	-1426.14 517.22
1	163	273	17.02	-0.82	17.00	-0.80	-0.66	-483.69	-1842.18	-568.66	-1757.20 328.97
1	163	274	17.28	-2.73	17.17	-2.62	-1.48	-345.74	-1877.02	-346.13	-1876.63 -24.40
1	163	275	17.72	0.69	17.46	0.95	-2.08	-878.10	-1935.28	-1152.73	-1660.65-463.58
1	163	276	18.24	5.73	18.22	5.75	-0.54	-1427.39	-2015.92	-1965.94	-1477.37 -164.06

1	163	277	18.40	6.25	18.22	6.43	1.47	-1317.37	-2024.98	-1865.48	-
1476.86	295.67										
1	163	278	18.43	3.26	17.85	3.84	2.90	-780.07	-1933.27	-1081.22	-
1632.12	506.55										
1	163	279	18.88	2.56	18.46	2.98	2.58	-336.36	-1820.65	-336.37	-
1820.64	-2.93										
1	163	280	19.00	5.62	18.58	6.04	2.32	-489.16	-1824.47	-638.77	-
1674.86	-421.18										
1	163	281	19.67	12.34	17.98	14.04	3.09	-735.66	-2113.56	-1549.30	-
1299.93	-677.57										
1	163	282	24.97	13.38	17.34	21.00	5.50	-819.17	-2414.40	-2250.97	-
982.60	-483.73										
1	163	283	28.58	11.95	15.29	25.24	6.66	-729.43	-2164.75	-2143.87	-
750.31	-171.85										
1	163	284	28.65	10.39	11.91	27.13	5.04	-552.95	-1172.09	-1132.13	-
592.91	152.12										
1	163	285	33.36	4.98	5.86	32.48	4.93	758.84	-848.90	611.67	-
701.73	463.63										
1	163	286	25.95	5.58	6.27	25.26	3.68	1378.62	-1054.96	1376.62	-
1052.96	69.67										
1	163	287	31.17	0.71	0.72	31.16	-0.56	675.33	-931.66	471.72	-
728.06	-534.55										
1	163	288	28.27	0.14	0.14	28.27	0.34	-8.50	-758.90	-14.53	-
752.88	-66.95										
1	163	289	48.27	-0.35	-0.34	48.27	-0.47	-35.61	-1194.19	-36.11	-
1193.69	24.03										
1	163	290	47.88	0.61	1.22	47.26	-5.37	328.93	-1155.76	318.61	-
1145.44	123.32										
1	163	291	30.18	5.54	10.62	25.10	-9.97	-456.87	-1865.32	-468.61	-
1853.57	128.08										
1	163	292	25.78	3.37	15.21	13.94	-11.19	-1142.97	-2356.25	-1143.73	-
2355.49	-30.29										
1	163	293	22.33	4.02	16.50	9.84	-8.53	-1690.29	-2621.14	-1693.69	-
2617.75	-56.10										
1	163	294	18.81	4.81	16.59	7.03	-5.12	-1867.80	-2853.17	-1869.39	-
2851.58	39.55										
1	163	295	16.85	2.66	16.44	3.07	-2.38	-1600.43	-3191.92	-1608.33	-
3184.02	111.82										
1	163	296	16.60	-0.95	16.48	-0.83	-1.45	-1220.37	-3512.00	-1221.66	-
3510.71	54.47										
1	163	297	16.72	-2.17	16.53	-1.97	-1.90	-1168.92	-3608.89	-1172.06	-
3605.75	-87.37										
1	163	298	17.12	-0.14	16.83	0.16	-2.23	-1506.98	-3450.37	-1516.84	-
3440.51	-138.11										
1	163	299	17.41	3.39	17.35	3.44	-0.89	-1956.82	-3205.01	-1957.61	-
3204.22	-31.35										
1	163	300	17.82	4.14	17.70	4.26	1.28	-1895.77	-3222.47	-1910.87	-
3207.37	140.73										
1	163	301	18.33	2.67	18.00	3.00	2.26	-1480.26	-3410.54	-1502.16	-
3388.63	204.46										
1	163	302	18.84	2.35	18.54	2.66	2.22	-1179.72	-3503.21	-1186.42	-
3496.51	124.60										
1	163	303	19.71	5.37	19.40	5.69	2.10	-1331.43	-3306.57	-1332.66	-
3305.35	-49.23										
1	163	304	21.55	10.27	20.39	11.44	3.43	-1844.91	-2840.71	-1862.26	-
2823.35	-130.32										
1	163	305	26.00	12.36	20.73	17.64	6.64	-2187.28	-2329.97	-2263.50	-
2253.75	-71.18										
1	163	306	31.72	10.26	18.38	23.59	10.41	-1712.62	-2084.74	-2081.47	-
1715.89	34.73										
1	163	307	35.64	7.32	11.96	31.00	10.49	-1026.87	-1295.89	-1064.99	-
1257.78	93.81										
1	163	308	41.28	2.00	3.46	39.83	7.41	721.29	-934.00	710.75	-
923.45	131.69										
1	163	309	32.66	3.38	3.80	32.24	3.48	748.36	-1009.24	747.40	-
1008.28	41.03										
1	163	310	37.43	0.69	0.70	37.41	0.75	405.80	-741.25	400.80	-
736.24	-75.61										
1	163	311	35.42	0.15	0.15	35.41	0.30	-22.54	-802.10	-22.77	-

801.87	-13.37										
1	163	312	66.33	1.18	1.19	66.32	-0.42	-19.99	-1618.75	-24.11	-
1614.63	-81.06										
1	163	313	57.98	-5.75	-5.62	57.84	-2.93	493.18	-1806.37	320.03	-
1633.23	-606.78										
1	163	314	29.06	6.09	11.33	23.81	-9.64	-511.77	-3156.38	-662.52	-
3005.64	-613.14										
1	163	315	23.68	7.71	18.71	12.68	-7.39	-1354.81	-3841.98	-1390.60	-
3806.20	-296.17										
1	163	316	23.67	5.61	21.84	7.45	-5.46	-1931.55	-4048.65	-1945.34	-
4034.86	-170.33										
1	163	317	22.81	3.39	22.00	4.20	-3.89	-2120.67	-4278.84	-2146.36	-
4253.15	-234.02										
1	163	318	18.04	2.04	17.65	2.44	-2.49	-1877.03	-4705.49	-1914.61	-
4667.92	-323.84										
1	163	319	12.17	1.47	11.90	1.73	-1.65	-1498.69	-5155.99	-1516.19	-
5138.50	-252.33										
1	163	320	10.92	1.21	10.72	1.41	-1.35	-1421.78	-5296.79	-1421.81	-
5296.77	9.30										
1	163	321	14.81	1.32	14.72	1.41	-1.08	-1739.97	-4998.74	-1756.01	-
4982.71	228.03										
1	163	322	20.48	1.84	20.48	1.85	-0.32	-2208.34	-4565.46	-2219.50	-
4554.30	161.80										
1	163	323	20.88	2.69	20.85	2.71	0.70	-2191.39	-4599.09	-2193.54	-
4596.94	-71.89										
1	163	324	16.54	3.84	16.36	4.02	1.50	-1769.72	-4958.92	-1774.08	-
4954.56	-117.84										
1	163	325	13.18	5.10	12.53	5.74	2.19	-1445.28	-5206.66	-1448.04	-
5203.90	101.89										
1	163	326	16.59	6.66	15.78	7.47	2.71	-1579.97	-5006.67	-1625.20	-
4961.43	391.10										
1	163	327	24.77	8.63	23.88	9.51	3.68	-2023.26	-4444.88	-2141.18	-
4326.96	521.21										
1	163	328	32.40	10.83	30.80	12.43	5.64	-2297.32	-3826.27	-2494.93	-
3628.66	512.91										
1	163	329	34.92	13.27	31.33	16.87	8.06	-2072.52	-3233.60	-2324.91	-
2981.21	478.89										
1	163	330	33.86	8.82	15.77	26.91	11.22	-1148.35	-2399.18	-1316.62	-
2230.91	426.81										
1	163	331	52.89	-14.95	-14.86	52.80	2.50	549.62	-1444.90	522.81	-
1418.09	229.67										
1	163	332	32.35	2.60	2.62	32.33	-0.83	784.18	-1121.62	748.50	-
1085.93	258.34										
1	163	333	35.32	0.48	0.51	35.29	1.08	477.11	-817.20	399.23	-
739.32	307.79										
1	163	334	33.30	0.17	0.17	33.30	0.25	-22.94	-808.46	-24.53	-
806.87	35.30										
1	163	335	33.07	-7.42e-02	-5.60e-02	33.05	-0.78	-0.79	-1039.33	-23.76	-
1016.36	-152.74										
1	163	336	35.59	-0.38	0.18	35.03	-4.47	1140.81	-1842.74	274.81	-
976.74	-1354.18										
1	163	337	21.85	4.38	6.65	19.58	-5.87	886.86	-2077.90	308.03	-
1499.06	-1175.18										
1	163	338	17.91	8.95	11.25	15.61	-3.91	-339.78	-1615.68	-422.18	-
1533.28	-313.60										
1	163	339	15.82	8.19	13.72	10.30	-3.41	-1362.96	-1648.27	-1510.22	-
1501.01	-142.58										
1	163	340	15.31	5.77	14.32	6.75	-2.90	-1288.83	-2195.99	-1896.38	-
1588.45	-426.65										
1	163	341	14.41	3.16	13.84	3.72	-2.46	-860.59	-2389.93	-1468.70	-
1781.82	-748.47										
1	163	342	13.67	1.22	13.42	1.48	-1.77	-240.16	-2321.67	-461.33	-
2100.49	-641.45										
1	163	343	12.88	0.79	12.82	0.86	-0.88	-211.33	-2323.99	-222.03	-
2313.28	150.02										
1	163	344	14.24	2.03	14.24	2.04	-0.27	-657.13	-2291.36	-988.76	-
1959.72	657.25										
1	163	345	15.56	3.87	15.56	3.87	-0.12	-1453.83	-2260.74	-2070.64	-
1643.93	342.43										

1	163	346	16.46	4.59	16.46	4.59	-8.18e-02	-1470.74	-2158.96	-1991.83	-
1637.86	-295.11										
1	163	347	16.91	3.80	16.89	3.82	0.50	-750.89	-2142.69	-995.37	-
1898.20	-529.62										
1	163	348	17.36	3.46	17.03	3.78	2.11	-223.43	-2239.35	-223.43	-
2239.35	0.97										
1	163	349	20.05	5.50	19.38	6.18	3.06	-125.25	-2396.81	-507.57	-
2014.49	849.88										
1	163	350	22.33	8.90	21.15	10.09	3.81	-576.73	-2713.74	-1608.16	-
1682.32	1067.86										
1	163	351	24.26	12.69	21.78	15.17	4.75	-829.45	-2809.59	-2185.46	-
1453.58	919.96										
1	163	352	25.40	14.26	19.19	20.47	5.53	-758.12	-2535.49	-2064.50	-
1229.11	784.40										
1	163	353	29.94	7.03	12.84	24.13	9.97	-468.80	-1758.28	-1236.53	-
990.55	632.90										
1	163	354	30.83	4.70	4.74	30.79	0.98	377.76	-956.21	327.28	-
905.73	254.53										
1	163	355	23.11	2.00	3.19	21.93	-4.86	1205.23	-1193.13	1117.54	-
1105.44	450.14										
1	163	356	24.53	0.52	0.57	24.48	1.06	780.95	-1072.48	415.44	-
706.97	737.47										
1	163	357	20.66	0.26	0.27	20.65	0.44	-5.40	-751.67	-15.19	-
741.87	84.95										
1	163	358	0.77	-0.59	-0.56	0.73	-0.22	487.76	-66.39	14.67	
406.69	-195.83										
1	163	359	10.94	-3.45	0.57	6.91	-6.46	2264.76	-1771.77	153.73	
339.26	-2016.13										
1	163	360	16.73	0.90	5.71	11.92	-7.28	1293.33	461.55	676.29	
1078.58	364.01										
1	163	361	13.57	2.98	7.76	8.79	-5.27	836.35	-1406.33	-1402.60	
832.63	-91.30										
1	163	362	11.23	3.39	8.93	5.70	-3.57	770.71	-1982.19	-1908.52	
697.04	-444.27										
1	163	363	10.84	1.13	9.77	2.20	-3.03	1370.27	-1688.55	-1399.35	
1081.07	-894.97										
1	163	364	10.84	0.88	10.47	1.25	-1.88	2484.34	-277.37	826.78	
1380.19	-1352.85										
1	163	365	12.20	0.88	11.85	1.23	-1.96	2370.70	-1008.58	-230.14	
1592.26	1422.88										
1	163	366	13.24	2.88	12.99	3.13	-1.59	1112.84	-2346.85	-2297.48	
1063.46	410.36										
1	163	367	14.91	3.53	14.75	3.69	-1.34	1211.83	-2238.49	-2208.69	
1182.04	-319.22										
1	163	368	16.69	3.29	16.67	3.32	-0.59	2398.78	-905.90	-243.48	
1736.37	-1322.98										
1	163	369	18.77	4.48	18.67	4.58	1.16	2717.84	-425.19	861.27	
1431.38	1545.44										
1	163	370	20.51	6.78	19.54	7.75	3.52	1424.45	-1884.39	-1416.48	
956.53	1152.96										
1	163	371	23.01	9.41	19.17	13.26	6.12	588.95	-2337.09	-2051.10	
302.96	868.92										
1	163	372	26.44	7.84	17.19	17.10	9.30	308.27	-2226.66	-1959.88	
41.49	777.88										
1	163	373	29.41	0.66	14.00	16.07	14.34	301.03	-1611.47	-1415.80	
105.35	579.60										
1	163	374	17.26	5.78	11.50	11.54	5.74	465.61	-633.06	-271.88	
104.42	-516.11										
1	163	375	4.51	-0.40	6.89e-02	4.04	1.44	1916.11	-1266.69	424.29	
225.14	1588.28										
1	163	376	-0.36	-3.42	-0.36	-3.42	-1.80e-03	288.90	-60.33	4.71	
223.86	135.95										
1	163	377	15.99	-3.66	0.73	11.60	-8.18	2885.05	-593.72	2530.02	-
238.69	-1053.10										
1	163	378	9.74	0.75	9.50	0.99	-1.45	2325.20	537.08	2304.94	
557.34	-189.27										
1	163	379	16.76	4.15	16.71	4.20	0.83	2425.80	572.86	2384.31	
614.35	274.15										
1	163	380	10.98	2.28	3.64	9.62	-3.16	2990.61	-1073.05	2960.10	-

1042.53	350.79										
1	163	381	-0.38	-11.31	-0.72	-10.97	1.88	2212.97	89.17	90.84	
2211.30	-59.52										
1	163	382	3.49	-22.90	1.81	-21.21	-6.45	2189.98	-1787.62	-1773.69	
2176.04	-235.05										
1	163	383	13.14	-16.50	-3.43	6.88e-02	-14.71	1.022e+04	9247.71	9525.33	
9938.49	-437.92										
1	163	384	9.66	-7.62	-0.62	2.67	-8.48	3942.83	-588.64	-474.11	
3828.30	-711.26										
1	163	385	10.12	-2.90	2.38	4.84	-6.39	2143.49	-1486.81	-1384.93	
2041.61	-599.55										
1	163	386	9.18	-0.34	4.64	4.20	-4.75	1758.28	-1753.58	-1738.61	
1743.31	-228.81										
1	163	387	6.26	-0.93	3.75	1.59	-3.43	2624.45	-1514.05	-1510.26	
2620.65	125.24										
1	163	388	4.32	-3.52	3.29	-2.49	-2.65	5566.53	-130.46	-121.80	
5557.87	221.92										
1	163	389	6.36	-7.33	5.15	-6.11	-3.89	1.205e+04	9942.25	9943.88	
1.205e+04	-58.60										
1	163	390	7.26	-3.88	6.20	-2.81	-3.28	4003.78	-1778.25	-1777.34	
4002.87	-72.85										
1	163	391	12.20	2.04	11.07	3.18	-3.20	2257.01	-2517.03	-2513.69	
2253.66	126.30										
1	163	392	14.85	3.30	14.12	4.03	-2.81	2507.69	-2550.03	-2534.66	
2492.32	278.37										
1	163	393	13.61	6.54e-04	13.09	0.53	-2.63	4274.14	-2031.45	-2020.58	
4263.27	261.50										
1	163	394	14.42	-4.05	14.19	-3.82	-2.04	1.251e+04	1.022e+04	1.022e+04	
1.250e+04	80.63										
1	163	395	14.61	-0.89	14.61	-0.89	-0.13	5588.26	-159.19	-148.17	
5577.24	-251.49										
1	163	396	18.24	4.16	17.83	4.58	2.37	2443.87	-1435.23	-1429.90	
2438.53	-143.79										
1	163	397	24.78	6.71	22.54	8.95	5.95	1215.20	-1746.36	-1730.35	
1199.19	217.17										
1	163	398	30.55	4.46	23.68	11.34	11.49	870.42	-1837.88	-1702.39	
734.93	590.42										
1	163	399	34.32	-3.07	21.23	10.03	17.84	1048.02	-1806.84	-1561.80	
802.98	799.69										
1	163	400	21.16	-17.78	18.01	-14.63	10.61	1986.73	-3043.52	-2925.41	
1868.62	761.69										
1	163	401	5.35	-2.74	2.31	0.29	3.92	1.066e+04	9662.40	1.051e+04	
9810.00	353.67										
1	163	402	2.19	-18.38	1.68	-17.86	3.20	1782.45	-1681.08	-1678.42	
1779.79	95.88										
1	163	403	-0.61	-10.55	-0.69	-10.47	-0.87	1861.01	69.56	69.92	
1860.66	25.16										
1	163	404	0.57	-0.32	0.34	-9.56e-02	-0.39	463.66	-49.78	-39.20	
453.07	72.94										
1	163	405	0.54	-8.21	-2.90	-4.77	-4.28	1345.80	-540.27	449.10	
356.43	941.89										
1	163	406	0.55	-19.98	-17.27	-2.16	-6.95	1099.79	-1958.53	1099.62	-
1958.35	-22.91										
1	163	407	2.79	-9.94	-6.87	-0.28	-5.44	1767.85	-1359.18	440.19	-
31.52	-1545.62										
1	163	408	9.82	-3.57	7.57	-1.32	-5.01	918.43	-1167.75	-751.48	
502.16	-833.75										
1	163	409	12.97	-2.34	12.46	-1.82	-2.75	634.08	-964.18	-962.13	
632.03	-57.19										
1	163	410	8.53	-2.10	8.16	-1.73	-1.96	862.91	-1239.96	-902.78	
525.73	771.59										
1	163	411	-2.34	-10.92	-10.63	-2.64	-1.57	1768.22	-1346.09	572.01	-
149.88	1514.75										
1	163	412	1.03	-31.76	-31.69	0.96	-1.49	976.45	-1878.70	940.12	-
1842.36	-320.05										
1	163	413	0.49	-6.52	-5.92	-0.10	-1.95	1198.84	-1168.16	-365.73	
396.40	-1120.48										
1	163	414	27.28	-3.13	27.07	-2.92	-2.51	485.39	-2031.56	-2024.79	
478.63	-130.31										

1	163	415	33.90	-3.47	33.83	-3.40	-1.66	489.04	-2368.79	-2229.00
349.24	616.42									
1	163	416	14.27	-1.92	14.00	-1.65	-2.09	1049.09	-1882.76	-953.19
119.51	1364.28									
1	163	417	1.44	-14.34	-14.19	1.29	-1.54	644.53	-2140.32	606.82	-
2102.61	321.87									
1	163	418	0.39	-3.59	-3.55	0.36	-0.35	1981.68	-1447.29	643.53	-
109.15	-1672.67									
1	163	419	21.67	-0.27	21.66	-0.26	0.54	1029.00	-1272.33	-803.44	
560.12	-926.93									
1	163	420	37.54	-1.08	37.28	-0.81	3.17	649.46	-1018.32	-998.67	
629.81	-179.96									
1	163	421	45.92	-1.66	44.76	-0.50	7.33	661.10	-1174.08	-1077.13	
564.16	410.51									
1	163	422	46.32	-3.72	44.02	-1.42	10.47	755.50	-1601.52	-1231.99	
385.97	856.99									
1	163	423	30.16	-1.93	30.03	-1.80	2.03	1382.24	-2183.22	-701.61	-
99.371757.11										
1	163	424	0.50	-10.55	-10.47	0.41	0.98	1423.43	-2018.46	1404.26	-
1999.29	256.15									
1	163	425	1.72	-4.16	-3.70	1.26	1.58	1485.56	-554.31	533.74	
397.52	-1017.66									
1	163	426	0.96	-0.38	0.81	-0.23	0.42	424.57	-50.09	-33.45	
407.93	-87.31									
1	163	427	1.22	0.74	0.76	1.20	9.83e-02	8.35	-134.27	-25.81	-
100.10	-60.87									
1	163	428	0.57	-1.07	-1.01	0.51	-0.31	315.70	-57.64	314.50	-
56.44	-21.07									
1	163	429	-0.47	-4.86	-4.67	-0.65	0.88	1020.95	60.67	1016.39	
65.23	-66.00									
1	163	430	-0.19	-8.22	-8.09	-0.31	-0.99	393.20	-26.96	321.28	
44.96	-158.25									
1	163	431	0.81	-0.47	-0.26	0.60	-0.48	6.85	-636.58	-602.03	-
27.71	-145.05									
1	163	432	3.29	0.65	3.28	0.66	0.18	-49.16	-869.71	-868.73	-
50.14	-28.37									
1	163	433	0.99	-1.78	-1.60	0.81	0.67	-13.02	-723.27	-711.34	-
24.9691.29										
1	163	434	-0.54	-15.08	-15.08	-0.54	6.12e-02	325.98	29.55	281.56	
73.98	105.81									
1	163	435	-1.13	-15.06	-14.99	-1.20	0.97	905.31	25.49	903.16	
27.64	43.47									
1	163	436	-0.26	-6.91	-6.85	-0.31	-0.60	-3.52	-363.36	-354.88	-
12.01	-54.60									
1	163	437	16.24	1.14	16.24	1.14	-0.10	-28.82	-1899.23	-1899.02	-
29.0219.41										
1	163	438	21.63	1.15	21.63	1.15	-6.27e-02	-9.64	-2082.93	-2080.45	-
12.1371.78										
1	163	439	9.18	-0.19	9.13	-0.13	0.73	51.34	-942.91	-931.80	
40.24	104.47									
1	163	440	-1.07	-1.84	-1.84	-1.07	-1.18e-02	563.75	60.27	563.65	
60.37	-7.05									
1	163	441	-0.51	-1.51	-1.35	-0.67	-0.37	365.12	26.19	332.98	
58.34	-99.31									
1	163	442	14.87	0.52	14.85	0.55	-0.59	-10.82	-647.70	-626.19	-
32.33	-115.06									
1	163	443	30.14	0.45	30.14	0.45	-2.43e-02	-51.54	-948.49	-948.49	-
51.541.40										
1	163	444	40.72	0.40	40.72	0.40	0.24	-41.19	-1064.60	-1054.21	-
51.59102.64										
1	163	445	45.06	0.45	45.06	0.45	0.37	-6.50	-1199.70	-1176.84	-
29.37163.58										
1	163	446	35.02	1.33	34.95	1.41	1.60	137.79	-571.39	-503.96	
70.36	208.03									
1	163	447	16.47	-1.71	16.39	-1.63	-1.22	1118.12	15.39	1112.22	
21.28	80.42									
1	163	448	1.04	-0.18	0.85	1.56e-02	-0.44	430.35	-19.21	430.10	-
18.96	-10.59									
1	163	449	0.64	-0.22	-0.15	0.57	-0.23	2.09	-101.03	-36.85	-

62.0950.00										
1	164	13	0.73	0.27	0.37	0.63	-0.19	1.55	-87.92	-20.68	-
65.7038.66										
1	164	14	0.40	-0.31	-0.15	0.23	0.30	312.01	-3.93	311.94	-
3.874.48										
1	164	15	2.88e-02	-2.90	-2.18	-0.69	-1.26	1008.39	50.23	1005.18	
53.44	55.38									
1	164	16	0.18	-2.41	-2.02	-0.21	0.93	387.59	-41.52	303.23	
42.83	170.54									
1	164	17	9.17	0.36	9.16	0.37	0.28	12.54	-691.62	-647.32	-
31.76170.98										
1	164	18	13.77	0.41	13.77	0.41	3.30e-02	-50.28	-882.71	-878.24	-
54.7560.84										
1	164	19	7.62	0.45	7.61	0.46	-0.21	-31.70	-598.83	-592.41	-
38.12-60.03										
1	164	20	-0.38	-4.63	-4.62	-0.38	8.37e-02	446.85	48.17	441.76	
53.27	-44.78									
1	164	21	-1.02	-6.03	-5.98	-1.07	-0.50	959.20	26.89	956.14	
29.94	53.26									
1	164	22	3.45	9.16e-02	3.40	0.14	0.40	145.77	-146.90	-6.86	
5.74	146.20									
1	164	23	19.41	0.48	19.41	0.48	6.50e-02	-47.55	-911.08	-907.58	-
51.0454.83										
1	164	24	20.01	0.45	20.01	0.45	4.15e-02	-33.07	-872.67	-861.10	-
44.64-97.88										
1	164	25	10.07	7.38e-02	10.07	7.69e-02	-0.18	153.16	-167.60	-23.87	
9.43	-159.51									
1	164	26	5.22	-1.19	5.17	-1.14	-0.58	927.93	36.19	925.09	
39.04	-50.29									
1	164	27	13.53	-0.39	13.50	-0.36	0.66	351.58	46.11	336.19	
61.50	66.81									
1	164	28	34.68	0.29	34.68	0.29	9.23e-02	-15.20	-772.18	-759.20	-
28.1798.26										
1	164	29	52.86	0.31	52.86	0.31	-0.12	-48.25	-1110.51	-1110.49	-
48.28-5.11										
1	164	30	63.45	0.31	63.45	0.31	-0.22	-35.25	-1187.48	-1178.75	-
43.98-99.93										
1	164	31	66.79	0.36	66.79	0.37	-0.44	2.06	-1212.50	-1188.72	-
21.73-168.30										
1	164	32	56.17	1.15	56.11	1.20	-1.77	153.67	-499.68	-407.92	
61.91	-227.00									
1	164	33	23.76	-0.78	23.56	-0.58	2.21	1043.55	21.97	1036.71	
28.81	-83.32									
1	164	34	3.37	-1.49	3.33	-1.46	0.40	382.29	-0.73	382.28	-
0.72-1.64										
1	164	35	0.74	-0.86	-0.83	0.71	0.22	-1.09	-84.13	-27.62	-
57.61-38.72										
1	164	36	0.72	-0.46	0.33	-6.77e-02	0.56	473.78	-28.98	-12.84	
457.63	-88.63									
1	164	37	-0.20	-7.96	-3.57	-4.59	3.85	1314.32	-560.42	422.27	
331.63	-936.27									
1	164	38	2.19	-17.34	-14.63	-0.52	6.75	1124.64	-1974.15	1120.28	-
1969.79	116.19									
1	164	39	5.56	-5.70	-1.51	1.38	5.44	2004.60	-1503.58	453.11	
47.90	1742.35									
1	164	40	17.11	-2.56	15.30	-0.74	5.69	1173.18	-1342.57	-770.89	
601.50	1054.22									
1	164	41	22.35	-1.74	21.63	-1.02	4.11	800.78	-992.82	-941.88	
749.84	297.94									
1	164	42	15.95	-1.51	15.03	-0.59	3.91	860.11	-931.40	-759.19	
687.90	-528.07									
1	164	43	1.86	-5.69	-3.96	0.13	3.17	1733.87	-947.92	772.27	
13.68	-1286.13									
1	164	44	2.08	-14.44	-14.32	1.96	1.43	1137.04	-1948.46	1000.23	-
1811.65635.14										
1	164	45	6.79	-0.11	6.56	0.13	1.26	1748.21	-1253.53	-5.54	
500.21	1479.42									
1	164	46	26.15	-1.57	25.90	-1.31	2.66	903.40	-1071.02	-995.45	
827.83	378.81									

1	164	47	27.44	-1.37	27.12	-1.05	3.00	994.22	-1185.86	-969.29	777.66 -652.10
1	164	48	13.37	-0.40	12.75	0.22	2.86	1811.01	-1391.81	-14.18	433.39-1585.70
1	164	49	3.40	-4.60	-4.07	2.88	1.98	1100.86	-2084.09	980.11	-1963.34-608.27
1	164	50	13.40	1.59	13.38	1.61	-0.45	1760.79	-1169.45	659.63	-68.291419.20
1	164	51	41.07	-0.40	41.03	-0.35	-1.40	883.48	-1217.70	-919.68	585.45 733.07
1	164	52	58.11	-0.75	57.81	-0.45	-4.25	660.50	-1141.28	-1140.46	659.69 38.36
1	164	53	66.23	-1.28	65.09	-0.14	-8.70	739.02	-1322.78	-1183.62	599.86 -517.25
1	164	54	64.88	-3.04	62.65	-0.81	-12.12	892.77	-1665.88	-1229.72	456.61 -962.15
1	164	55	40.21	-2.09	40.19	-2.07	-0.76	1652.84	-2191.82	-560.75	21.77-1900.14
1	164	56	4.72	-0.37	4.60	-0.25	0.77	1339.61	-2119.51	1298.25	-2078.16-375.95
1	164	57	4.19	-6.68	-6.66	4.16	-0.50	1391.02	-554.14	497.75	339.13 969.34
1	164	58	1.36	0.15	1.27	0.24	-0.31	422.42	-34.35	-13.36	401.43 95.65
1	164	59	-0.69	-16.32	-0.80	-16.21	-1.28	2317.75	69.56	71.51	2315.80 66.18
1	164	60	3.76	-28.63	1.62	-26.49	8.05	2329.25	-1834.25	-1801.85	2296.85 365.84
1	164	61	13.96	-18.36	-2.25	-2.15	16.16	1.076e+04	9456.10	9849.84	1.036e+04597.28
1	164	62	11.30	-5.54	3.21	2.56	8.41	4308.57	-562.83	-389.56	4135.29 902.25
1	164	63	13.62	-1.24	6.30	6.09	7.43	2492.04	-1514.83	-1339.67	2316.88 819.24
1	164	64	14.74	0.47	9.07	6.14	6.98	2071.89	-1715.26	-1655.90	2012.53 470.41
1	164	65	13.48	-1.02	9.10	3.36	6.66	2882.38	-1368.91	-1365.71	2879.18 116.67
1	164	66	11.40	-3.79	9.10	-1.50	5.44	5823.01	88.99	89.06	5822.94 19.54
1	164	67	12.23	-5.25	11.06	-4.08	4.37	1.239e+04	1.011e+04	1.016e+04	1.234e+04353.40
1	164	68	12.12	-1.31	11.52	-0.71	2.77	4299.91	-1385.13	-1355.59	4270.37 408.74
1	164	69	16.20	2.58	15.18	3.60	3.59	2455.11	-1786.12	-1781.37	2450.36 141.84
1	164	70	18.53	2.48	17.08	3.93	4.60	2688.68	-1700.06	-1680.06	2668.67-295.63
1	164	71	17.90	-7.54e-03	16.91	0.98	4.08	4498.16	-1346.85	-1307.47	4458.78-478.15
1	164	72	22.15	-2.89	21.81	-2.56	2.89	1.274e+04	1.046e+04	1.052e+04	1.268e+04-368.90
1	164	73	24.68	0.86	24.63	0.91	-1.13	5780.63	10.51	10.51	5780.63 1.35
1	164	74	29.93	6.61	29.28	7.25	-3.82	2611.91	-1437.39	-1436.77	2611.28 -50.30
1	164	75	35.94	9.12	33.58	11.48	-7.60	1388.73	-1822.28	-1781.03	1347.48-361.60
1	164	76	40.89	6.58	33.84	13.63	-13.87	1040.54	-1922.48	-1746.68	864.75-699.98
1	164	77	42.47	-1.63	29.55	11.29	-20.07	1200.13	-1886.65	-1597.63	911.11-899.23
1	164	78	28.06	-19.44	25.82	-17.20	-10.06	2148.66	-3073.82	-2910.90	1985.75-907.90
1	164	79	5.15	-1.57	5.01	-1.43	-0.97	1.096e+04	9774.65	1.066e+04	1.008e+04-515.85
1	164	80	3.88	-24.47	3.63	-24.23	-2.64	1929.48	-1680.89	-1669.26	1917.85-204.58
1	164	81	-1.04	-18.85	-1.04	-18.84	-0.12	1972.69	47.03	48.00	

1971.72	-43.28										
1	164	82	12.25	-6.64	0.56	5.04	9.17	3167.56	-611.86	2666.56	-
110.85	1281.60										
1	164	83	13.43	-1.66	12.77	-1.01	3.07	2648.78	673.42	2543.13	
779.07	444.45										
1	164	84	21.64	2.90	21.54	3.00	-1.39	2797.00	645.07	2668.58	
773.49	-509.77										
1	164	85	13.53	-4.59	4.49	4.45	9.06	3064.38	-1027.67	3003.02	-
966.30	-497.33										
1	164	86	-5.85e-02	-8.76	-6.05e-02	-8.76	0.13	586.57	-81.97	16.24	
488.36	236.66										
1	164	87	6.29	-7.96	0.14	-1.82	7.06	2547.94	-1965.12	161.46	
421.36	2252.78										
1	164	88	15.18	-0.31	6.34	8.53	7.67	1338.08	730.08	802.50	
1265.66	-196.94										
1	164	89	15.33	2.68	9.56	8.44	6.30	1059.26	-1355.16	-1319.87	
1023.97	289.77										
1	164	90	14.49	2.73	10.95	6.27	5.39	1043.57	-1975.67	-1814.92	
882.82	677.88										
1	164	91	14.89	0.21	12.38	2.72	5.53	1715.29	-1707.56	-1261.07	
1268.80	1152.79										
1	164	92	14.50	-1.36	13.23	-8.50e-02	4.31	2942.55	-341.73	1023.35	
1577.46	1618.60										
1	164	93	15.55	0.17	15.03	0.69	2.79	2387.96	-498.51	139.44	
1750.01	-1197.68										
1	164	94	16.87	2.21	16.40	2.68	2.59	1178.58	-1806.29	-1782.97	
1155.26	-262.79										
1	164	95	18.52	2.08	18.12	2.48	2.54	1281.76	-1680.07	-1643.16	
1244.84	328.59										
1	164	96	20.09	1.32	19.98	1.42	1.38	2456.86	-391.46	244.44	
1820.96	1186.11										
1	164	97	24.67	4.58	24.42	4.83	-2.21	3102.81	-496.95	1034.05	
1571.81	-1779.68										
1	164	98	27.47	8.51	26.12	9.86	-4.88	1690.35	-1958.68	-1356.47	
1088.14	-1354.55										
1	164	99	29.01	11.73	25.01	15.74	-7.29	789.38	-2421.20	-2047.86	
416.04	-1029.20										
1	164	100	30.84	10.33	22.10	19.07	-10.14	470.32	-2325.64	-1988.40	
133.08	-910.59										
1	164	101	32.17	2.48	18.06	16.59	-14.82	431.21	-1704.42	-1450.20	
176.98	-691.59										
1	164	102	14.37	7.69	13.29	8.77	-2.46	407.46	-531.83	-292.22	
167.85	409.45										
1	164	103	-0.19	-5.42	-0.65	-4.97	1.48	2107.30	-1371.52	436.99	
298.79	-1738.04										
1	164	104	-0.19	-15.73	-0.19	-15.72	0.34	370.80	-65.95	7.56	
297.29	-163.41										
1	164	105	23.43	-0.30	-0.30	23.42	0.40	12.33	-1020.36	-25.70	-
982.33	194.49										
1	164	106	27.28	-0.82	9.78e-02	26.37	4.98	1360.53	-2036.58	274.49	-
950.53	1584.27										
1	164	107	17.55	2.68	6.76	13.47	6.63	1145.88	-2267.32	368.49	-
1489.94	1431.45										
1	164	108	15.50	7.18	11.25	11.44	4.16	-125.00	-1719.39	-341.74	-
1502.64	546.44										
1	164	109	16.22	6.42	14.09	8.55	4.04	-1058.42	-1808.68	-1423.97	-
1443.14	375.01										
1	164	110	16.96	4.31	15.11	6.16	4.48	-975.59	-2340.55	-1800.47	-
1515.67	667.46										
1	164	111	16.69	1.64	15.16	3.17	4.55	-511.67	-2536.41	-1344.02	-
1704.06	996.23										
1	164	112	16.27	-0.79	15.28	0.20	3.98	83.15	-2406.92	-292.48	-
2031.29	891.20										
1	164	113	15.22	-0.98	14.73	-0.49	2.78	7.14	-2264.54	2.96	-
2260.36	97.35										
1	164	114	16.48	0.47	16.25	0.70	1.89	-536.79	-2090.88	-694.55	-
1933.13	-469.34										
1	164	115	17.80	2.75	17.66	2.89	1.47	-1420.69	-1914.82	-1693.00	-
1642.51	-245.78										

1	164	116	18.90	3.13	18.83	3.20	1.03	-1318.33	-1930.67	-1593.00	-
1656.00	304.55										
1	164	117	19.73	1.91	19.73	1.91	-0.16	-518.89	-2050.23	-649.00	-
1920.12	426.98										
1	164	118	20.40	2.13	20.02	2.51	-2.59	48.21	-2251.01	33.14	-
2235.94	-185.55										
1	164	119	23.88	5.18	22.84	6.22	-4.29	163.86	-2497.71	-352.23	-
1981.62	-1052.27										
1	164	120	26.60	9.63	24.77	11.46	-5.27	-320.21	-2844.11	-1531.81	-
1632.51	-1260.95										
1	164	121	27.93	14.14	25.20	16.87	-5.49	-631.74	-2939.59	-2163.52	-
1407.80	-1090.30										
1	164	122	27.31	16.35	21.99	21.66	-5.48	-604.82	-2669.30	-2077.86	-
1196.27	-933.39										
1	164	123	29.96	8.90	14.90	23.96	-9.51	-339.48	-1902.44	-1270.37	-
971.56	-767.07										
1	164	124	28.92	5.31	5.99	28.23	3.95	400.63	-1011.81	286.35	-
897.52	-385.18										
1	164	125	25.15	-4.66	3.34	17.15	13.21	1257.67	-1250.93	1107.21	-
1100.46	-595.66										
1	164	126	16.85	-0.28	0.42	16.14	3.40	889.11	-1165.20	408.45	-
684.53	-869.71										
1	164	127	9.87	0.25	0.25	9.87	-0.12	2.12	-731.04	-14.55	-
714.38	-109.27										
1	164	128	57.26	1.33	1.33	57.26	-2.39e-02	-18.59	-1584.36	-27.46	-
1575.49	117.52										
1	164	129	50.74	-5.22	-5.09	50.62	2.64	619.63	-1893.92	318.70	-
1593.00	815.99										
1	164	130	26.08	4.83	11.22	19.69	9.74	-341.79	-3240.20	-623.45	-
2958.55	858.50										
1	164	131	22.27	6.85	18.38	10.74	6.70	-1202.89	-3850.74	-1318.38	-
3735.25	540.79										
1	164	132	23.63	5.25	21.85	7.03	5.43	-1771.08	-4014.30	-1850.59	-
3934.78	414.78										
1	164	133	23.51	3.58	22.54	4.56	4.30	-1933.59	-4239.60	-2037.51	-
4135.69	478.35										
1	164	134	19.31	2.31	18.63	2.99	3.31	-1671.48	-4660.07	-1782.38	-
4549.17	564.92										
1	164	135	13.75	1.55	13.15	2.15	2.64	-1289.02	-5094.65	-1351.99	-
5031.68	485.45										
1	164	136	12.46	1.28	12.00	1.74	2.24	-1209.02	-5223.86	-1219.56	-
5213.32	205.41										
1	164	137	16.09	1.50	15.84	1.75	1.89	-1510.86	-4934.09	-1511.47	-
4933.48	-45.72										
1	164	138	21.49	2.13	21.43	2.19	1.09	-1933.91	-4529.69	-1935.41	-
4528.19	-62.38										
1	164	139	21.92	2.89	21.92	2.89	-2.31e-02	-1902.54	-4591.20	-1903.80	-
4589.94	58.20										
1	164	140	17.91	4.02	17.82	4.12	-1.14	-1513.84	-4955.34	-1513.97	-
4955.20	21.81										
1	164	141	15.02	5.64	14.45	6.20	-2.23	-1225.73	-5192.81	-1241.17	-
5177.37	-246.97										
1	164	142	19.01	7.69	18.07	8.63	-3.13	-1388.80	-4998.93	-1478.79	-
4908.94	-562.83										
1	164	143	27.35	10.27	26.33	11.28	-4.04	-1848.00	-4459.94	-2050.02	-
4257.92	-697.75										
1	164	144	34.48	12.94	33.13	14.30	-5.22	-2126.80	-3883.33	-2451.38	-
3558.75	-681.75										
1	164	145	36.05	15.68	33.47	18.26	-6.77	-1915.99	-3325.13	-2315.66	-
2925.47	-635.18										
1	164	146	33.13	11.59	17.70	27.02	-9.71	-1049.39	-2483.67	-1334.00	-
2199.07	-572.02										
1	164	147	51.17	-13.42	-13.20	50.95	3.71	545.10	-1476.76	478.25	-
1409.92	-361.49										
1	164	148	31.87	-0.40	3.08	28.38	10.01	815.25	-1164.68	728.57	-
1078.00	-405.10										
1	164	149	29.01	7.79e-02	0.48	28.61	3.41	540.31	-879.16	392.11	-
730.96	-434.05										
1	164	150	24.73	0.16	0.16	24.73	5.78e-02	-20.81	-797.00	-25.06	-

792.76	-57.24										
1	164	151	42.21	-0.32	-0.32	42.21	-9.59e-02	-37.35	-1157.03	-37.82	-
1156.57	22.76										
1	164	152	43.05	0.30	0.96	42.39	5.27	319.86	-1112.91	310.86	-
1103.91	113.19										
1	164	153	28.45	5.05	10.12	23.37	9.65	-413.93	-1780.73	-430.30	-
1764.36	148.66										
1	164	154	24.62	4.62	14.95	14.29	10.00	-1000.02	-2300.11	-1072.80	-
2227.33	298.88										
1	164	155	21.58	5.88	16.52	10.94	7.33	-1503.12	-2569.48	-1605.03	-
2467.57	313.51										
1	164	156	18.79	6.68	16.98	8.50	4.33	-1722.69	-2736.72	-1765.97	-
2693.44	204.97										
1	164	157	17.40	4.56	17.07	4.89	2.02	-1476.18	-3038.35	-1485.03	-
3029.51	117.21										
1	164	158	17.35	1.10	17.24	1.20	1.27	-1067.46	-3378.03	-1078.04	-
3367.44	156.04										
1	164	159	17.62	-0.15	17.45	1.14e-02	1.71	-968.85	-3510.78	-996.97	-
3482.66	265.89										
1	164	160	18.16	1.46	17.89	1.73	2.10	-1284.06	-3376.94	-1323.75	-
3337.25	285.47										
1	164	161	18.65	4.47	18.58	4.55	1.01	-1739.97	-3130.19	-1747.21	-
3122.95	100.06										
1	164	162	19.15	5.20	19.10	5.25	-0.86	-1683.40	-3156.98	-1700.47	-
3139.90	-157.70										
1	164	163	19.60	4.09	19.40	4.29	-1.75	-1269.90	-3361.21	-1307.96	-
3323.15	-279.55										
1	164	164	20.21	4.22	20.01	4.42	-1.78	-995.24	-3450.87	-1018.37	-
3427.73	-237.22										
1	164	165	21.07	7.62	20.87	7.82	-1.60	-1204.52	-3228.74	-1209.47	-
3223.79	-99.96										
1	164	166	22.60	12.93	21.85	13.68	-2.59	-1774.58	-2737.88	-1775.81	-
2736.65	-34.37										
1	164	167	26.25	15.59	22.11	19.74	-5.20	-2088.31	-2292.69	-2212.20	-
2168.81	-99.86										
1	164	168	31.33	13.69	19.72	25.30	-8.37	-1559.62	-2142.14	-2057.38	-
1644.37	-205.40										
1	164	169	34.86	9.83	13.00	31.69	-8.32	-871.76	-1411.52	-1071.11	-
1212.16	-260.50										
1	164	170	39.04	4.13	4.16	39.01	-1.01	722.00	-963.33	670.15	-
911.48	-291.04										
1	164	171	31.14	2.78	4.24	29.68	6.27	753.61	-1024.29	731.67	-
1002.35	-196.28										
1	164	172	32.97	0.24	0.72	32.49	3.92	398.76	-734.91	396.59	-
732.74	-49.51										
1	164	173	28.99	0.12	0.12	28.99	-3.41e-03	-23.78	-794.23	-23.88	-
794.13	-8.75										
1	164	174	27.40	-4.64e-02	-4.60e-02	27.40	-0.10	-5.64	-753.42	-6.05	-
753.01	-17.53										
1	164	175	29.35	0.22	0.23	29.34	-0.22	241.76	-811.75	178.02	-
748.01	-251.17										
1	164	176	19.28	5.92	7.15	18.05	3.86	86.44	-1061.41	75.18	-
1050.15	-113.15										
1	164	177	19.62	5.67	10.56	14.73	6.66	-465.75	-1239.00	-611.90	-
1092.85	302.74										
1	164	178	19.30	7.61	13.39	13.52	5.84	-891.67	-1643.41	-1480.08	-
1055.00	310.00										
1	164	179	17.27	9.23	15.18	11.32	3.52	-1134.53	-1752.70	-1752.60	-
1134.64	-7.95										
1	164	180	16.22	6.52	16.06	6.69	1.27	-1002.97	-1608.48	-1234.37	-
1377.09	-294.22										
1	164	181	17.30	0.98	17.29	1.00	0.46	-429.24	-1732.96	-442.75	-
1719.45	-132.01										
1	164	182	17.76	-0.93	17.67	-0.84	1.30	-260.51	-1908.58	-337.65	-
1831.44	348.11										
1	164	183	18.46	1.92	18.27	2.11	1.76	-699.18	-1986.18	-1055.37	-
1629.99	575.80										
1	164	184	19.32	6.01	19.30	6.03	0.52	-1363.60	-1944.50	-1839.53	-
1468.57	223.51										
1	164	185	19.50	6.63	19.41	6.71	-1.05	-1267.22	-1945.62	-1739.04	-

1473.80 -312.20											
1	164	186	19.36	4.51	18.99	4.88	-2.32	-660.78	-1942.18	-985.07	-
1617.89 -557.12											
1	164	187	19.47	3.74	19.21	4.00	-1.99	-256.12	-1852.11	-302.69	-
1805.53-268.63											
1	164	188	19.72	7.60	19.41	7.91	-1.91	-458.19	-1729.15	-525.14	-
1662.21 283.90											
1	164	189	20.19	14.07	18.89	15.37	-2.50	-856.35	-1915.30	-1494.45	-
1277.20 518.21											
1	164	190	24.61	15.84	18.48	21.97	-4.02	-888.31	-2291.32	-2218.30	-
961.33311.63											
1	164	191	27.71	14.69	16.47	25.93	-4.47	-733.87	-2132.71	-2132.69	-
733.89-5.31											
1	164	192	27.90	12.52	12.90	27.52	-2.40	-431.19	-1295.72	-1144.15	-
582.76-328.73											
1	164	193	33.01	6.53	6.70	32.84	2.16	864.16	-966.92	601.42	-
704.18-641.92											
1	164	194	26.24	4.16	6.39	24.01	6.65	1395.57	-1055.73	1386.60	-
1046.76-148.04											
1	164	195	29.33	-0.42	0.74	28.17	5.75	574.95	-844.53	451.05	-
720.62400.66											
1	164	196	24.74	9.69e-02	9.69e-02	24.74	2.66e-02	-12.30	-751.05	-14.94	-
748.4044.11											
1	164	197	9.03	0.77	0.80	9.00	0.48	103.88	44.49	56.16	
92.21 -23.60											
1	164	198	13.99	-5.85	-5.82	13.97	-0.69	540.26	-515.50	-21.32	
46.08 -526.80											
1	164	199	8.74	3.60	3.72	8.62	-0.78	1171.86	-252.76	1167.91	-
248.81-74.90											
1	164	200	14.59	3.99	4.23	14.35	1.56	930.74	-553.23	-9.95	
387.46 714.88											
1	164	201	15.48	13.71	14.55	14.64	0.88	378.17	-1717.28	-1621.46	
282.35 437.74											
1	164	202	20.50	11.67	19.80	12.37	2.38	224.85	-2082.52	-2080.65	
222.98 -65.64											
1	164	203	17.07	7.82	16.17	8.73	2.75	671.92	-1434.14	-1233.20	
470.98 -618.71											
1	164	204	11.58	1.92	11.58	1.92	-3.44e-03	1372.12	-142.17	855.96	
373.98 -717.77											
1	164	205	14.47	-2.52	14.46	-2.51	-0.43	1150.80	-463.50	794.93	-
107.63669.21											
1	164	206	15.89	4.11	15.58	4.42	-1.89	787.55	-1314.11	-899.31	
372.75 836.49											
1	164	207	25.84	5.65	25.75	5.75	-1.37	33.46	-2234.13	-2197.68	-
3.00285.21											
1	164	208	24.86	6.71	24.76	6.82	1.39	123.78	-2103.62	-2034.21	
54.37 -387.02											
1	164	209	14.98	7.50	14.82	7.66	1.06	853.40	-1192.75	-757.26	
417.91 -837.51											
1	164	210	14.79	2.13	14.74	2.18	-0.78	1204.51	-357.34	951.87	-
104.69-575.12											
1	164	211	12.68	7.87	11.87	8.68	-1.80	1496.93	-323.81	824.00	
349.12 878.86											
1	164	212	22.34	12.24	17.27	17.30	-5.05	638.58	-1770.84	-1438.01	
305.76 831.35											
1	164	213	26.62	17.83	22.95	21.49	-4.33	-68.36	-2586.60	-2527.38	-
127.58381.60											
1	164	214	24.22	20.74	20.76	24.20	-0.26	-273.65	-2509.59	-2509.57	-
273.68-7.26											
1	164	215	24.80	12.87	13.58	24.09	2.83	38.44	-1758.18	-1651.78	-
67.96-424.08											
1	164	216	18.74	5.42	8.33	15.84	5.50	1950.14	-1364.28	345.33	
240.53-1656.38											
1	164	217	21.77	-3.80	-0.43	18.40	8.64	3593.88	-1174.63	3593.87	-
1174.635.01											
1	164	218	14.60	0.15	1.21	13.53	3.78	1638.05	-821.89	430.58	
385.58 1229.76											
1	164	219	13.58	0.13	0.15	13.57	0.43	319.85	-17.36	14.45	
288.04 98.57											

1	164	220	-1.98	-12.17	-1.98	-12.17	1.87e-02	1721.71	-90.05	-89.94
1721.60	14.44									
1	164	221	14.27	-19.32	14.26	-19.32	-0.31	1828.44	-483.88	-479.23
1823.79	103.57									
1	164	222	23.15	-51.98	-51.98	23.14	-0.50	4948.95	4415.19	4444.75
4919.38	122.09									
1	164	223	16.11	2.03	2.06	16.08	-0.64	2101.13	-133.18	-127.04
2094.99	116.89									
1	164	224	34.18	6.68	34.16	6.70	-0.77	465.45	-2077.05	-2072.20
460.60	110.89									
1	164	225	46.50	1.67	46.48	1.69	-0.77	172.70	-2525.56	-2521.61
168.74	103.24									
1	164	226	33.72	3.04	33.71	3.06	-0.65	1121.32	-1753.25	-1750.19
1118.26	93.75									
1	164	227	10.97	-13.75	-13.74	10.96	-0.51	4081.21	1517.78	1520.37
4078.62	81.46									
1	164	228	15.71	-41.47	-41.47	15.70	-0.52	6099.39	4824.33	4828.39
6095.33	71.85									
1	164	229	28.41	2.28	28.41	2.28	-0.30	1532.62	-1238.52	-1237.64
1531.75	49.14									
1	164	230	50.87	-3.21	50.87	-3.21	-0.27	59.14	-2721.88	-2721.64
58.91	25.75									
1	164	231	47.49	-1.33	47.49	-1.33	-0.21	249.75	-2539.31	-2539.31
249.75	1.52									
1	164	232	26.18	5.60	26.18	5.60	-0.12	1720.63	-1043.08	-1042.96
1720.50	-18.43									
1	164	233	22.28	-45.56	-45.56	22.28	3.52e-02	6272.00	5078.15	5079.54
6270.61	-40.72									
1	164	234	18.59	-14.71	-14.71	18.59	0.15	3986.50	1451.89	1452.88
3985.51	-50.13									
1	164	235	32.50	11.89	32.49	11.90	0.39	800.73	-1924.68	-1923.33
799.38	-60.49									
1	164	236	46.51	11.41	46.50	11.43	0.62	-536.39	-2938.15	-2936.28	-
538.26	-67.03									
1	164	237	42.25	14.40	42.22	14.42	0.78	-909.64	-2927.28	-2924.79	-
912.13	-70.88									
1	164	238	19.20	17.97	18.84	18.33	0.56	-515.49	-2106.19	-2102.84	-
518.84	-72.88									
1	164	239	15.57	-14.23	-14.04	15.38	2.35	1117.23	-2440.48	-2439.34	
1116.08	-63.77									
1	164	240	23.19	-10.02	-9.37	22.54	4.61	1.180e+04	9747.19	1.179e+04	
9749.43	-67.72									
1	164	241	2.44	-2.87	2.06	-2.49	1.37	1489.34	-1416.11	-1414.93	
1488.16	-58.65									
1	164	242	4.17	-0.65	-0.62	4.14	-0.38	1622.85	24.10	24.14	
1622.81	-7.94									
1	164	243	10.67	0.77	0.79	10.65	-0.49	124.17	14.78	56.35	
82.60	53.09									
1	164	244	15.21	-5.71	-5.70	15.20	0.40	747.71	-732.57	-20.54	
35.68	739.61									
1	164	245	9.50	3.81	3.81	9.49	-6.86e-02	1224.75	-326.82	1156.35	-
258.42	318.50									
1	164	246	15.42	3.53	4.31	14.65	-2.94	697.49	-343.41	-24.34	
378.42	-479.91									
1	164	247	17.09	12.00	14.45	14.64	-2.54	299.16	-1662.19	-1638.22	
275.20	-215.47									
1	164	248	21.35	10.56	19.66	12.26	-3.92	248.92	-2132.99	-2101.19	
217.12	273.38									
1	164	249	17.86	6.72	16.02	8.55	-4.14	784.78	-1578.86	-1259.34	
465.26	808.17									
1	164	250	11.51	1.61	11.40	1.72	-1.05	1508.16	-308.26	817.41	
382.48	881.79									
1	164	251	14.22	-2.89	14.21	-2.88	-0.47	1019.18	-355.41	779.42	-
115.65	-521.62									
1	164	252	15.20	4.10	15.09	4.21	1.12	705.78	-1276.25	-949.27	
378.80	-735.65									
1	164	253	25.20	5.57	25.17	5.60	0.77	36.16	-2268.62	-2245.03	
12.58	-231.95									
1	164	254	24.33	6.52	24.15	6.70	-1.77	139.56	-2149.46	-2081.09	

71.20	389.64										
1	164	255	14.43	7.24	14.21	7.46	-1.22	821.28	-1198.81	-806.43	
428.89	799.18										
1	164	256	14.41	1.58	14.35	1.64	0.90	1127.94	-300.14	934.40	-
106.61	488.80										
1	164	257	12.39	7.25	11.39	8.25	2.04	1580.55	-425.49	790.75	
364.31	-980.09										
1	164	258	22.57	10.99	16.73	16.82	5.79	726.44	-1874.26	-1456.59	
308.78	-954.87										
1	164	259	27.34	16.09	22.39	21.03	5.59	-17.56	-2643.41	-2537.20	-
123.77	-517.31										
1	164	260	24.74	19.27	20.12	23.89	1.98	-260.78	-2519.88	-2511.90	-
268.76	-133.99										
1	164	261	23.95	12.55	12.57	23.93	-0.44	-12.98	-1695.04	-1646.10	-
61.93	282.73										
1	164	262	15.95	7.73	7.73	15.94	-0.15	1814.35	-1215.76	357.17	
241.42	1513.95										
1	164	263	19.30	-0.81	-0.76	19.25	-1.00	3584.97	-1190.52	3581.44	-
1186.99	-129.74										
1	164	264	14.94	1.08	1.08	14.94	-1.32e-02	1749.13	-944.35	430.92	
373.86	-1346.44										
1	164	265	15.68	7.19e-02	7.33e-02	15.67	-0.15	320.24	-28.55	14.38	
277.30	-114.59										
1	164	266	30.10	-4.04e-02	-4.03e-02	30.10	7.33e-02	-3.21	-766.95	-6.13	-
764.03	47.13										
1	164	267	31.74	0.23	0.23	31.74	-0.29	372.45	-951.17	180.22	-
758.94	466.35										
1	164	268	21.09	5.52	7.41	19.20	-5.07	138.30	-1170.17	39.92	-
1071.79	345.04										
1	164	269	21.32	4.54	10.58	15.28	-8.06	-635.76	-1120.42	-644.93	-
1111.26	-66.02										
1	164	270	20.78	6.06	13.28	13.55	-7.36	-1059.74	-1531.32	-1515.14	-
1075.93	-85.85										
1	164	271	18.31	7.65	14.90	11.05	-4.97	-1088.10	-1861.24	-1794.24	-
1155.10	217.52										
1	164	272	16.28	5.64	15.63	6.29	-2.55	-852.06	-1830.07	-1287.15	-
1394.98	486.02										
1	164	273	16.84	0.51	16.70	0.65	-1.51	-471.21	-1796.77	-544.59	-
1723.39	303.14										
1	164	274	17.07	-1.58	16.83	-1.34	-2.07	-319.52	-1843.25	-320.88	-
1841.89	-45.54										
1	164	275	17.75	1.22	17.39	1.59	-2.42	-831.98	-1911.24	-1126.66	-
1616.56	-480.84										
1	164	276	18.40	5.64	18.32	5.72	-1.01	-1392.70	-1988.96	-1939.62	-
1442.03	-164.26										
1	164	277	18.37	6.40	18.33	6.44	0.70	-1271.59	-2011.36	-1839.61	-
1443.35	312.35										
1	164	278	18.14	4.10	17.82	4.42	2.10	-733.91	-1916.01	-1056.43	-
1593.49	526.52										
1	164	279	18.48	3.63	18.19	3.92	2.06	-313.23	-1792.71	-313.54	-
1792.40	21.61										
1	164	280	18.72	6.69	18.32	7.09	2.16	-486.02	-1781.02	-618.26	-
1648.78	-392.12										
1	164	281	19.77	12.42	17.84	14.34	3.23	-747.91	-2062.06	-1532.29	-
1277.67	-644.62										
1	164	282	24.78	13.64	17.46	20.96	5.29	-821.83	-2380.43	-2238.03	-
964.24	-449.08										
1	164	283	28.22	12.39	15.50	25.12	6.28	-723.82	-2152.13	-2138.84	-
737.10	-137.10										
1	164	284	28.33	10.72	12.06	26.99	4.67	-530.13	-1193.90	-1138.30	-
585.73	183.89										
1	164	285	33.44	5.32	5.94	32.82	4.12	762.39	-862.46	599.72	-
699.79	487.70										
1	164	286	25.95	5.94	6.29	25.60	2.62	1370.75	-1055.97	1367.66	-
1052.88	86.56										
1	164	287	31.30	0.72	0.75	31.28	-0.91	665.71	-925.35	468.35	-
727.98	-524.47										
1	164	288	28.22	0.15	0.15	28.22	9.68e-02	-10.15	-757.63	-15.05	-
752.73	-60.33										

1	164	289	46.19	-0.32	-0.32	46.19	7.87e-02	-38.17	-1171.00	-38.20	-1170.976.27
1	164	290	46.54	0.26	1.01	45.80	-5.84	318.29	-1124.26	311.66	-1117.6497.52
1	164	291	30.73	4.64	10.24	25.13	-10.72	-455.22	-1794.47	-461.85	-1787.84 94.00
1	164	292	26.20	3.73	14.92	15.02	-11.23	-1113.94	-2260.69	-1117.72	-2256.90 -65.76
1	164	293	22.60	4.59	16.24	10.95	-8.61	-1648.04	-2511.92	-1657.56	-2502.40 -90.18
1	164	294	19.15	5.33	16.38	8.10	-5.54	-1827.29	-2729.24	-1827.35	-2729.18 7.35
1	164	295	16.97	3.53	16.21	4.29	-3.11	-1557.28	-3063.92	-1561.81	-3059.39 82.45
1	164	296	16.51	0.24	16.21	0.54	-2.19	-1173.96	-3385.29	-1174.32	-3384.92 28.57
1	164	297	16.63	-0.99	16.29	-0.65	-2.43	-1117.02	-3486.72	-1122.16	-3481.57 -110.29
1	164	298	17.13	0.70	16.70	1.13	-2.63	-1452.30	-3331.08	-1465.55	-3317.83 -157.21
1	164	299	17.39	3.96	17.25	4.11	-1.37	-1908.16	-3083.99	-1909.01	-3083.14 -31.66
1	164	300	17.62	4.85	17.59	4.88	0.62	-1843.81	-3112.47	-1863.53	-3092.75 156.94
1	164	301	17.94	3.60	17.76	3.77	1.58	-1428.54	-3309.36	-1455.11	-3282.78 221.97
1	164	302	18.46	3.37	18.25	3.57	1.74	-1133.87	-3409.10	-1143.33	-3399.65 146.36
1	164	303	19.36	6.29	19.09	6.56	1.86	-1294.97	-3215.81	-1295.27	-3215.52 -23.77
1	164	304	21.26	10.96	20.09	12.13	3.27	-1819.16	-2753.58	-1830.36	-2742.38 -101.69
1	164	305	25.78	12.84	20.45	18.17	6.37	-2160.27	-2262.24	-2240.34	-2182.16 -41.87
1	164	306	31.53	10.74	18.26	24.01	9.99	-1649.80	-2076.90	-2067.74	-1658.96 61.88
1	164	307	35.31	7.44	11.94	30.81	10.26	-1005.92	-1286.12	-1068.67	-1223.38 116.81
1	164	308	40.50	2.37	3.58	39.29	6.68	705.75	-926.74	691.94	-912.93149.52
1	164	309	31.97	3.70	3.94	31.73	2.60	735.21	-1005.86	733.53	-1004.19 54.01
1	164	310	36.64	0.71	0.72	36.63	0.45	399.70	-740.55	395.77	-736.62-66.85
1	164	311	34.43	0.14	0.14	34.43	3.15e-02	-23.50	-799.20	-23.57	-799.13-7.28
1	164	312	63.18	1.38	1.38	63.18	-1.91e-03	-22.00	-1601.22	-27.01	-1596.21 -88.82
1	164	313	55.17	-5.37	-5.18	54.98	-3.43	495.36	-1791.95	318.24	-1614.83 -611.36
1	164	314	28.19	5.10	11.52	21.77	-10.34	-508.23	-3143.65	-663.40	-2988.48-620.37
1	164	315	22.92	6.80	18.24	11.48	-7.32	-1335.68	-3817.02	-1376.19	-3776.51 -314.44
1	164	316	23.32	4.81	21.16	6.97	-5.94	-1897.80	-4005.07	-1916.08	-3986.78-195.46
1	164	317	22.48	2.89	21.29	4.08	-4.69	-2079.85	-4223.50	-2112.66	-4190.69 -263.15
1	164	318	17.79	1.48	16.97	2.31	-3.57	-1829.14	-4643.12	-1874.45	-4597.81 -354.17
1	164	319	12.01	0.66	11.29	1.38	-2.76	-1448.16	-5086.99	-1470.01	-5065.13 -281.17
1	164	320	10.68	0.41	10.17	0.93	-2.25	-1372.56	-5221.75	-1372.62	-5221.69 -15.25
1	164	321	14.44	0.71	14.20	0.95	-1.80	-1694.11	-4920.05	-1707.14	-4907.02 204.62
1	164	322	20.02	1.48	19.96	1.54	-1.04	-2162.22	-4471.85	-2172.16	-4461.91 151.20
1	164	323	20.30	2.38	20.30	2.38	-0.15	-2144.91	-4510.83	-2146.60	-

4509.14	-63.20										
1	164	324	15.80	3.49	15.77	3.53	0.66	-1723.41	-4893.44	-1726.65	-
4890.19	-101.35										
1	164	325	12.28	4.86	11.94	5.20	1.55	-1398.74	-5148.06	-1402.49	-
5144.31	118.53										
1	164	326	15.94	6.32	15.20	7.06	2.56	-1535.20	-4958.97	-1585.78	-
4908.38	413.08										
1	164	327	24.32	8.31	23.33	9.30	3.86	-1981.90	-4409.56	-2111.45	-
4280.00	545.65										
1	164	328	31.85	10.70	30.29	12.26	5.53	-2265.53	-3805.89	-2481.44	-
3589.98	534.75										
1	164	329	34.30	13.35	31.09	16.55	7.54	-2055.42	-3224.88	-2326.38	-
2953.93	493.41										
1	164	330	32.91	9.14	15.87	26.18	10.71	-1154.58	-2392.00	-1329.80	-
2216.78	431.42										
1	164	331	51.69	-14.63	-14.58	51.64	1.69	526.47	-1444.29	498.54	-
1416.36	232.94										
1	164	332	31.03	2.52	2.62	30.94	-1.63	768.98	-1122.36	730.70	-
1084.08	266.35										
1	164	333	33.76	0.48	0.50	33.74	0.79	476.04	-821.66	393.93	-
739.55	315.93										
1	164	334	31.58	0.16	0.16	31.58	-3.11e-02	-22.91	-804.29	-25.07	-
802.13	41.02										
1	164	335	29.20	-0.31	-0.31	29.20	-0.34	1.27	-1027.60	-25.90	-
1000.43	-164.97										
1	164	336	31.63	-0.53	0.25	30.85	-4.95	1159.19	-1854.39	272.92	-
968.11	-1373.09										
1	164	337	19.33	3.17	6.79	15.72	-6.73	906.54	-2112.02	313.82	-
1519.30	-1199.10										
1	164	338	15.33	7.44	10.74	12.02	-3.89	-321.86	-1639.94	-411.22	-
1550.59	-331.35										
1	164	339	14.88	6.34	12.90	8.32	-3.60	-1336.20	-1656.38	-1490.84	-
1501.74	-160.00										
1	164	340	14.92	3.88	13.28	5.52	-3.93	-1251.58	-2195.21	-1875.31	-
1571.49	-446.69										
1	164	341	14.16	1.02	12.85	2.32	-3.93	-805.08	-2382.31	-1437.37	-
1750.02	-772.97										
1	164	342	13.40	-1.45	12.63	-0.68	-3.28	-177.94	-2299.92	-413.54	-
2064.32	-666.66										
1	164	343	12.51	-1.76	12.18	-1.44	-2.12	-162.09	-2280.26	-169.71	-
2272.64	126.80										
1	164	344	13.60	-0.11	13.50	-8.24e-03	-1.18	-599.54	-2252.71	-942.25	-
1910.01	670.15										
1	164	345	14.78	2.57	14.71	2.64	-0.92	-1372.64	-2231.47	-2028.95	-
1575.17	364.58										
1	164	346	15.62	3.26	15.53	3.35	-1.08	-1392.48	-2126.95	-1949.09	-
1570.34	-314.64										
1	164	347	16.04	2.00	16.02	2.02	-0.54	-694.83	-2102.97	-946.39	-
1851.42	-539.39										
1	164	348	16.41	1.66	16.31	1.76	1.21	-170.44	-2202.17	-170.54	-
2202.06	14.59										
1	164	349	19.29	3.75	18.69	4.35	2.99	-67.07	-2374.90	-461.87	-
1980.09	869.07										
1	164	350	21.90	7.57	20.48	9.00	4.29	-526.34	-2705.99	-1580.93	-
1651.40	1089.26										
1	164	351	23.59	11.82	21.09	14.32	4.82	-799.05	-2815.00	-2178.23	-
1435.82	937.14										
1	164	352	24.14	13.84	18.49	19.48	5.13	-746.19	-2553.94	-2077.65	-
1222.48	796.34										
1	164	353	28.54	6.63	12.23	22.94	9.55	-473.84	-1777.75	-1263.06	-
988.53	637.34										
1	164	354	28.86	4.23	4.23	28.86	8.61e-02	354.30	-957.51	303.28	-
906.49	253.61										
1	164	355	21.54	1.06	2.83	19.77	-5.76	1193.65	-1204.81	1103.41	-
1114.57	456.40										
1	164	356	22.08	0.39	0.42	22.05	0.70	786.65	-1079.54	411.20	-
704.10	748.13										
1	164	357	18.16	0.20	0.20	18.16	0.14	-2.88	-747.10	-14.63	-
735.35	92.78										

1	164	358	-1.91e-02	-3.44	-2.81e-02	-3.44	-0.18	540.58	-66.79	15.39
458.41	-207.75									
1	164	359	8.00	-5.78	0.19	2.02	-6.83	2313.66	-1766.36	155.18
392.12	-2036.57									
1	164	360	14.02	-2.62e-02	5.07	8.92	-6.75	1408.74	501.16	723.89
1186.01	390.56									
1	164	361	12.84	2.62	7.37	8.10	-5.10	951.63	-1375.94	-1373.73
949.41	-71.79									
1	164	362	11.28	2.41	8.07	5.61	-4.26	896.49	-1952.61	-1881.62
825.50	-444.10									
1	164	363	11.08	-0.23	8.91	1.93	-4.45	1520.58	-1644.00	-1352.06
1228.64	-915.78									
1	164	364	10.55	-1.98	9.56	-0.99	-3.38	2644.60	-189.63	908.22
1546.76	-1380.68									
1	164	365	11.68	-0.65	11.33	-0.29	-2.08	2540.18	-939.95	-156.53
1756.75	1453.50									
1	164	366	12.59	2.47	12.28	2.78	-1.72	1264.63	-2299.28	-2248.30
1213.66	423.17									
1	164	367	14.07	2.86	13.63	3.30	-2.19	1363.12	-2190.59	-2157.24
1329.76	-342.66									
1	164	368	15.47	1.66	15.30	1.83	-1.54	2558.56	-833.18	-166.90
1892.28	-1347.56									
1	164	369	18.50	2.64	18.38	2.76	1.39	2852.69	-341.80	936.72
1574.18	1565.12									
1	164	370	20.57	6.09	19.36	7.31	4.01	1533.37	-1842.45	-1378.70
1069.62	1162.11									
1	164	371	22.49	9.03	18.42	13.11	6.19	665.44	-2313.61	-2034.08
385.91	868.69									
1	164	372	25.40	7.57	16.28	16.70	8.91	358.70	-2229.66	-1971.02
100.06	776.25									
1	164	373	28.19	0.52	13.50	15.22	13.81	327.34	-1625.62	-1443.87
145.59	567.38									
1	164	374	14.48	4.79	10.33	8.94	4.80	502.39	-651.83	-286.56
137.12	-536.82									
1	164	375	2.07	-0.77	6.64e-02	1.23	1.30	1954.34	-1265.13	441.16
248.05	1606.84									
1	164	376	-7.72e-02	-6.12	-7.76e-02	-6.12	-5.35e-02	314.91	-62.03	7.59
245.29	146.27									
1	164	377	12.59	-6.22	-0.19	6.57	-8.78	2936.84	-510.65	2569.42	-
143.24	-1063.79									
1	164	378	9.28	-2.67	8.72	-2.10	-2.54	2422.33	723.33	2400.86	
744.81	-189.81									
1	164	379	15.78	1.62	15.78	1.63	0.27	2521.30	740.66	2478.25	
783.71	273.49									
1	164	380	8.92	0.27	2.90	6.29	-3.98	3008.86	-1030.90	2978.20	-
1000.24	350.59									
1	164	381	-0.60	-14.27	-0.72	-14.15	1.28	2294.56	68.43	69.33	
2293.67	-44.72									
1	164	382	3.02	-26.47	0.94	-24.39	-7.56	2283.10	-1771.87	-1760.40	
2271.63	-215.39									
1	164	383	12.19	-17.34	-3.83	-1.31	-14.71	1.035e+04	9385.54	9609.60	
1.012e+04	-405.92									
1	164	384	8.49	-5.20	0.51	2.79	-6.75	4128.36	-509.84	-406.79	
4025.31	-683.63									
1	164	385	9.82	-1.47	2.61	5.73	-5.43	2336.97	-1446.91	-1357.48	
2247.54	-574.80									
1	164	386	10.06	5.12e-02	4.54	5.57	-4.98	1977.37	-1716.55	-1705.03	
1965.85	-206.00									
1	164	387	8.07	-1.89	3.52	2.65	-4.96	2865.30	-1469.43	-1464.34	
2860.22	148.34									
1	164	388	5.31	-4.81	2.65	-2.14	-4.46	5831.89	-31.47	-22.82	
5823.25	224.97									
1	164	389	6.35	-7.14	5.05	-5.85	-3.98	1.233e+04	1.008e+04	1.008e+04	
1.233e+04	-90.59									
1	164	390	6.62	-2.94	6.09	-2.41	-2.19	4233.23	-1690.87	-1689.82	
4232.19	-78.72									
1	164	391	11.60	2.61	10.44	3.77	-3.01	2451.79	-2463.87	-2462.23	
2450.16	89.66									
1	164	392	14.50	3.28	12.98	4.80	-3.83	2705.02	-2492.93	-2477.75	

2689.83 280.55											
1	164	393	13.55	-0.45	12.33	0.78	-3.96	4495.00	-1938.39	-1927.61	
4484.22 263.06											
1	164	394	14.43	-4.03	14.17	-3.77	-2.19	1.276e+04	1.035e+04	1.036e+04	
1.276e+04 71.82											
1	164	395	14.75	-0.75	14.68	-0.68	1.07	5805.55	-72.95	-60.07	
5792.67 -274.82											
1	164	396	18.69	4.36	17.84	5.21	3.38	2610.83	-1406.27	-1398.92	
2603.48 -171.69											
1	164	397	24.40	7.19	21.99	9.61	5.98	1338.60	-1724.08	-1712.54	
1327.05 187.71											
1	164	398	29.99	4.81	23.14	11.66	11.20	948.02	-1816.02	-1696.31	
828.30 562.64											
1	164	399	32.86	-2.69	20.55	9.62	16.92	1088.52	-1822.39	-1597.68	
863.80 776.94											
1	164	400	20.44	-18.65	18.07	-16.28	9.34	2036.66	-3040.56	-2928.18	
1924.29 746.95											
1	164	401	4.65	-3.53	2.35	-1.23	3.68	1.072e+04	9751.09	1.057e+04	
9895.76 345.12											
1	164	402	2.33	-20.18	1.67	-19.52	3.80	1822.84	-1655.72	-1653.33	
1820.46 91.02											
1	164	403	-0.73	-12.34	-0.75	-12.33	-0.46	1892.05	51.23	51.53	
1891.75 23.48											
1	164	404	0.29	-1.52	0.15	-1.38	-0.48	534.04	-40.97	-24.58	
517.66 95.67											
1	164	405	0.28	-8.65	-2.90	-5.47	-4.27	1439.51	-535.03	475.52	
428.96 987.00											
1	164	406	1.61	-18.54	-16.34	-0.59	-6.28	1139.59	-1875.36	1139.27	-
1875.04 30.90											
1	164	407	3.44	-7.80	-5.42	1.06	-4.60	1798.92	-1252.11	469.84	
76.97 -1512.82											
1	164	408	10.93	-2.26	9.33	-0.66	-4.31	992.96	-1114.18	-742.61	
621.39 -803.05											
1	164	409	14.82	-1.46	14.31	-0.95	-2.86	761.29	-958.80	-958.30	
760.79 -29.33											
1	164	410	9.40	-1.81	8.66	-1.06	-2.79	1000.86	-1217.83	-877.99	
661.03 799.06											
1	164	411	-0.42	-11.02	-10.56	-0.89	-2.17	1890.18	-1268.03	632.55	-
10.401546.04											
1	164	412	3.14	-31.71	-31.64	3.08	-1.46	1060.24	-1754.95	1013.53	-
1708.24 -359.59											
1	164	413	1.08	-6.84	-6.55	0.80	-1.48	1350.85	-1129.83	-301.30	
522.32 -1169.98											
1	164	414	27.03	-2.78	26.84	-2.58	-2.42	597.59	-1976.45	-1966.97	
588.10 -155.97											
1	164	415	32.70	-3.13	32.54	-2.97	-2.35	613.38	-2313.54	-2161.75	
461.59 649.02											
1	164	416	12.21	-1.26	11.66	-0.71	-2.66	1178.79	-1821.30	-878.46	
235.95 1392.72											
1	164	417	3.01	-15.42	-15.29	2.89	-1.51	712.08	-2025.92	674.72	-
1988.56 317.66											
1	164	418	1.54	-4.01	-4.01	1.53	0.14	2093.19	-1404.49	689.67	-
0.97 -1714.41											
1	164	419	21.97	3.61e-02	21.91	9.98e-02	1.18	1140.14	-1277.39	-787.32	
650.07 -971.90											
1	164	420	39.25	-0.65	38.98	-0.38	3.24	730.91	-1026.90	-997.57	
701.57 -225.18											
1	164	421	47.77	-1.23	46.77	-0.23	6.92	694.60	-1156.12	-1079.87	
618.34 367.85											
1	164	422	48.14	-3.57	46.18	-1.61	9.87	765.20	-1574.74	-1235.03	
425.49 824.32											
1	164	423	32.05	-2.15	31.99	-2.09	1.45	1394.07	-2149.64	-690.24	-
65.331744.09											
1	164	424	1.07	-9.64	-9.58	1.01	0.82	1447.55	-1989.51	1430.33	-
1972.30 242.66											
1	164	425	1.38	-4.55	-3.99	0.82	1.73	1529.47	-551.82	552.90	
424.75 -1038.67											
1	164	426	0.77	-0.98	0.66	-0.87	0.43	451.42	-44.83	-24.51	
431.09 -98.35											

1	164	427	0.70	0.51	0.54	0.67	7.08e-02	5.13	-91.56	-19.50	-66.93-42.13
1	164	428	0.45	-1.32	-1.27	0.40	-0.30	331.37	-18.73	331.20	-18.567.66
1	164	429	-0.50	-5.35	-5.13	-0.72	1.01	1034.25	46.76	1033.43	47.57 -28.35
1	164	430	-0.18	-7.34	-7.26	-0.26	-0.74	374.06	-9.65	326.06	38.35 -126.94
1	164	431	2.59	0.32	2.56	0.36	-0.27	-12.32	-643.85	-620.47	-35.70-119.24
1	164	432	6.50	0.34	6.50	0.34	5.89e-04	-58.44	-895.92	-895.88	-58.48-5.75
1	164	433	0.60	-0.55	-0.53	0.58	0.14	-16.77	-729.66	-711.19	-35.24113.24
1	164	434	-0.18	-16.28	-16.28	-0.19	-0.21	355.38	26.41	317.64	64.15 104.84
1	164	435	-1.43	-16.51	-16.46	-1.48	0.90	945.21	4.72	945.06	4.87 11.82
1	164	436	-0.19	-7.89	-7.84	-0.24	-0.62	19.54	-337.49	-312.52	-5.42-91.05
1	164	437	16.45	0.81	16.45	0.81	-5.57e-02	-21.72	-1856.85	-1856.76	-21.81-13.19
1	164	438	21.31	0.81	21.30	0.82	-0.31	0.32	-2031.43	-2026.72	-4.3997.73
1	164	439	7.17	0.12	7.11	0.19	0.66	50.22	-891.23	-874.42	33.40 124.70
1	164	440	-1.21	-4.30	-4.30	-1.22	9.23e-02	604.94	32.21	604.82	32.33 -8.16
1	164	441	-0.61	-3.35	-3.33	-0.64	-0.25	403.84	1.95	356.41	49.38 -129.65
1	164	442	15.12	0.30	15.11	0.30	-0.25	-0.83	-663.47	-627.26	-37.04-150.61
1	164	443	32.51	0.29	32.51	0.29	0.10	-53.00	-967.58	-966.25	-54.34-34.90
1	164	444	43.33	0.27	43.33	0.28	0.22	-45.01	-1078.27	-1073.72	-49.5668.37
1	164	445	47.36	0.30	47.36	0.31	0.26	-6.38	-1211.24	-1195.24	-22.38137.91
1	164	446	35.33	1.26	35.28	1.32	1.31	140.68	-561.90	-502.75	81.53 195.09
1	164	447	15.47	-1.53	15.37	-1.43	-1.34	1131.53	0.92	1127.19	5.26 69.96
1	164	448	0.58	-0.40	0.44	-0.26	-0.33	443.61	-7.77	442.54	-6.70-21.88
1	164	449	0.44	-0.26	-0.23	0.41	-0.16	-1.75e-02	-85.71	-32.53	-53.2041.58
1	182	13	-0.32	-0.98	-0.37	-0.92	-0.18	11.25	-12.10	-4.47	3.62 -10.95
1	182	14	0.37	-1.13	-0.98	0.23	0.44	370.12	71.54	353.04	88.61 -69.33
1	182	15	5.08e-02	-4.44	-3.41	-0.98	-1.89	1054.78	67.27	1050.78	71.27 -62.70
1	182	16	1.30	-0.27	0.97	6.10e-02	0.64	336.48	42.10	333.16	45.41 31.07
1	182	17	17.14	-0.28	17.14	-0.28	7.28e-02	-37.32	-669.72	-668.94	-38.1022.19
1	182	18	22.09	-0.12	22.08	-0.11	0.51	-49.88	-942.58	-932.39	-60.07-94.83
1	182	19	10.16	-0.23	10.08	-0.15	0.88	38.04	-690.39	-608.96	-43.39-229.53
1	182	20	0.66	-8.18	-8.17	0.65	0.28	559.94	-53.20	465.99	40.75 -220.86
1	182	21	-1.43	-9.88	-9.79	-1.52	-0.86	983.37	-33.65	977.01	-27.29-80.19
1	182	22	3.81	0.14	3.81	0.14	-0.12	27.16	-37.94	-8.58	-2.1932.39
1	182	23	24.16	-0.30	24.16	-0.30	-0.13	-54.18	-945.94	-942.56	-57.56-54.83
1	182	24	24.17	-0.37	24.16	-0.36	0.55	-0.34	-941.78	-889.34	-

52.78	-215.92										
	1	182	25	10.67	0.33	10.67	0.33	4.31e-03	254.87	-271.15	-14.59	-
1.69	-262.93										
	1	182	26	3.26	-1.52	3.06	-1.32	-0.95	959.41	-63.88	953.51	-
57.99	-77.45										
	1	182	27	14.78	0.28	14.77	0.28	0.28	393.60	-15.65	346.31	
31.64	130.83										
	1	182	28	42.42	-0.59	42.37	-0.54	-1.39	-6.06	-836.52	-795.59	-
46.99	179.77										
	1	182	29	65.44	-0.26	65.43	-0.25	-0.72	-59.88	-1182.17	-1176.10	-
65.95	82.26										
	1	182	30	77.04	-0.15	77.04	-0.15	-0.12	-52.60	-1250.42	-1250.27	-
52.75	-13.24										
	1	182	31	77.46	-4.60e-02	77.46	-4.40e-02	0.39	6.82	-1257.91	-1248.82	-
2.27	-106.83										
	1	182	32	61.12	0.34	61.12	0.34	-0.36	184.72	-463.81	-387.67	
108.57	-208.76										
	1	182	33	23.77	8.95e-03	23.42	0.36	2.87	1063.67	-60.77	1060.31	-
57.41	-61.30										
	1	182	34	1.98	-2.55	1.94	-2.51	0.41	430.28	38.25	427.19	
41.34	34.67										
	1	182	35	9.78e-02	-1.20	-1.19	9.59e-02	-5.05e-02	-5.63	-34.56	-13.27	-
26.92	-12.76										
	1	182	36	0.65	-3.14	0.32	-2.81	1.07	614.75	-8.98	26.36	
579.42	-144.19										
	1	182	37	-1.00	-9.02	-3.81	-6.21	3.83	1516.24	-565.89	479.70	
470.65	-1041.05										
	1	182	38	3.59	-15.64	-14.69	2.63	4.17	1188.21	-1823.81	1187.40	-
1823.00	-49.39										
	1	182	39	5.22	-3.95	-2.87	4.13	2.96	1941.61	-1226.92	505.44	
209.25	1577.33										
	1	182	40	18.68	-0.36	18.17	0.16	3.08	1226.55	-1134.48	-750.81	
842.88	871.00										
	1	182	41	28.46	0.11	28.09	0.49	3.24	1033.95	-940.48	-934.88	
1028.35	104.98										
	1	182	42	18.19	-0.70	16.71	0.78	5.08	1286.68	-999.42	-720.02	
1007.28	-748.79										
	1	182	43	4.85	-5.12	-3.48	3.22	3.70	2138.85	-941.87	869.74	
327.25	-1516.29										
	1	182	44	7.06	-12.53	-12.53	7.06	2.96e-02	1192.56	-1555.13	1111.96	-
1474.53	463.63										
	1	182	45	10.97	2.98	10.69	3.25	-1.45	1876.37	-941.85	71.83	
862.70	1352.49										
	1	182	46	28.47	0.13	28.47	0.13	-0.28	1214.95	-979.38	-952.62	
1188.19	240.83										
	1	182	47	29.82	0.38	29.65	0.55	2.22	1428.50	-1188.11	-915.60	
1155.99	-799.24										
	1	182	48	15.11	1.95	14.21	2.85	3.32	2245.81	-1310.94	90.24	
844.63	-1737.91										
	1	182	49	8.79	-1.48	-1.42	8.73	0.78	1273.53	-1684.55	1127.08	-
1538.10	-641.69										
	1	182	50	18.30	5.86	17.38	6.78	-3.26	2072.45	-978.54	774.40	
319.52	1508.45										
	1	182	51	47.16	0.82	46.65	1.33	-4.83	1247.17	-1211.43	-884.59	
920.33	834.71										
	1	182	52	66.53	1.22	66.04	1.70	-5.61	949.71	-1148.56	-1138.40	
939.55	145.66										
	1	182	53	75.08	0.41	74.05	1.44	-8.70	901.54	-1268.42	-1187.64	
820.76	-410.80										
	1	182	54	72.17	-2.44	70.69	-0.96	-10.41	993.03	-1595.35	-1247.60	
645.28	-882.72										
	1	182	55	45.73	-2.20	45.69	-2.15	1.48	1741.72	-2099.28	-534.61	
177.06	-1887.25										
	1	182	56	7.72	2.19	7.30	2.61	1.46	1425.83	-1993.93	1390.12	-
1958.22	-347.63										
	1	182	57	2.52	-6.89	-6.77	2.40	-1.07	1562.40	-540.01	572.10	
450.29	1049.44										
	1	182	58	0.63	-2.43	0.61	-2.41	-0.24	533.02	-16.05	19.41	
497.56	134.96										
	1	182	59	-0.92	-22.94	-0.92	-22.94	0.22	2457.44	47.03	47.05	

2457.42 7.89										
1	182	60	2.24	-35.62	-0.73	-32.65	10.18	2468.58	-1820.85	-1803.49
2451.21 272.37										
1	182	61	12.43	-18.87	-1.29	-5.14	15.53	1.084e+04	9700.33	9917.33
1.062e+04 446.25										
1	182	62	5.64	-1.41	1.43	2.81	3.46	4544.52	-437.77	-325.86
4432.62 738.25										
1	182	63	8.85	2.83	4.84	6.84	2.84	2816.57	-1411.51	-1310.61
2715.67 645.30										
1	182	64	13.42	2.66	7.82	8.26	5.37	2498.96	-1631.92	-1612.64
2479.68 281.55										
1	182	65	14.86	-1.25	8.45	5.16	7.89	3429.47	-1296.92	-1295.41
3427.95 -84.64										
1	182	66	12.63	-5.34	8.21	-0.92	7.73	6449.70	283.36	288.18
6444.88 -172.33										
1	182	67	12.60	-3.64	11.98	-3.02	3.11	1.309e+04	1.045e+04	1.046e+04
1.307e+04 184.45										
1	182	68	14.45	0.52	13.95	1.02	-2.59	4961.19	-1187.36	-1176.65
4950.47 256.41										
1	182	69	16.64	6.04	16.52	6.17	-1.16	3109.66	-1689.88	-1689.88
3109.66 -1.10										
1	182	70	19.23	5.72	18.36	6.59	3.32	3395.52	-1619.27	-1582.66
3358.91 -426.92										
1	182	71	20.54	0.87	18.74	2.67	5.67	5296.96	-1111.90	-1060.98
5246.03 -569.00										
1	182	72	24.19	-2.24	24.10	-2.15	1.57	1.367e+04	1.091e+04	1.096e+04
1.362e+04 -368.93										
1	182	73	29.50	0.17	27.34	2.34	-7.67	6556.06	296.89	297.25
6555.69 48.04										
1	182	74	36.28	6.09	32.53	9.84	-9.96	3225.59	-1341.85	-1341.85
3225.59 -1.02										
1	182	75	40.54	10.82	36.75	14.61	-9.91	1871.64	-1741.57	-1715.03
1845.10 -308.54										
1	182	76	44.32	8.64	37.20	15.76	-14.26	1384.02	-1841.04	-1703.66
1246.64 -651.31										
1	182	77	42.88	0.48	33.15	10.22	-17.83	1412.32	-1965.54	-1727.00
1173.78 -865.36										
1	182	78	30.20	-23.81	29.79	-23.40	-4.68	2391.69	-3052.90	-2903.96
2242.75 -888.11										
1	182	79	7.54	-8.12	7.52	-8.10	0.57	1.129e+04	1.014e+04	1.096e+04
1.047e+04 -519.70										
1	182	80	4.67	-32.11	3.97	-31.41	-5.03	2111.80	-1565.31	-1553.61
2100.11 -207.05										
1	182	81	-1.17	-26.96	-1.28	-26.85	-1.67	2112.06	-36.24	-35.03
2110.85 -51.02										
1	182	82	5.75	-12.64	-1.79	-5.11	9.04	3101.47	-415.47	2640.37
45.63 1187.03										
1	182	83	11.64	-7.98	11.51	-7.85	1.60	2807.77	1232.91	2745.53
1295.16 306.84										
1	182	84	21.38	-6.03	20.68	-5.34	-4.31	3164.05	1186.44	2975.14
1375.36 -581.30										
1	182	85	10.02	-19.06	1.89	-10.94	13.05	3175.46	-865.48	3102.47
792.49 -538.18										
1	182	86	0.88	-17.84	0.88	-17.84	0.20	642.04	-48.43	14.43
579.18 198.62										
1	182	87	2.84	-14.65	-0.82	-10.99	7.11	2524.45	-1894.92	119.00
510.52 2201.00										
1	182	88	9.44	-2.25	4.58	2.61	5.76	1603.15	686.60	824.58
1465.17 -327.76										
1	182	89	11.67	3.09	7.97	6.79	4.25	1277.98	-1321.26	-1311.23
1267.95 161.16										
1	182	90	12.51	2.85	9.42	5.93	4.51	1278.08	-1893.31	-1795.26
1180.02 548.95										
1	182	91	14.68	-1.13	11.76	1.79	6.14	1976.43	-1525.75	-1186.95
1637.62 1035.26										
1	182	92	13.97	-5.78	12.59	-4.39	5.04	3175.36	29.93	1184.71
2020.58 1516.17										
1	182	93	13.29	-3.01	13.28	-3.00	-0.39	2950.54	-406.78	296.88
2246.88 -1366.48										
1	182	94	15.23	2.45	15.21	2.47	-0.50	1690.16	-1724.46	-1679.14

1644.84	-390.75										
	1	182	95	17.83	1.98	17.76	2.05	1.04	1768.25	-1533.38	-1516.06
1750.93	238.48										
	1	182	96	19.91	-1.99	19.91	-1.99	0.12	2935.77	-95.13	474.92
2365.72	1184.40										
	1	182	97	27.70	-3.28	26.17	-1.75	-6.72	3627.86	-269.52	1279.54
2078.80	-1907.28										
	1	182	98	31.19	4.76	27.17	8.78	-9.50	2116.92	-1865.69	-1236.70
1487.93	-1452.37										
	1	182	99	30.70	8.75	24.26	15.19	-9.99	1073.48	-2371.27	-2007.63
709.84	-1058.49										
	1	182	100	30.45	9.13	21.95	17.63	-10.44	664.75	-2360.79	-2039.91
343.87	-931.60										
	1	182	101	29.35	2.22	18.69	12.88	-13.25	564.25	-1781.76	-1548.15
330.64	-702.47										
	1	182	102	12.80	-3.93	12.63	-3.76	1.69	548.50	-564.53	-326.40
310.36	456.45										
	1	182	103	2.96e-02	-17.61	-0.34	-17.24	2.53	2313.88	-1384.25	522.82
406.81	-1848.15										
	1	182	104	1.05	-27.12	1.03	-27.10	0.55	503.89	-85.51	21.94
396.44	-227.56										
	1	182	105	12.94	-0.92	-0.92	12.94	-4.02e-02	-3.19	-956.39	-32.25	-
927.33	163.86										
	1	182	106	18.04	-1.44	0.14	16.47	5.31	1298.58	-1989.05	221.41	-
911.87	1543.06										
	1	182	107	14.41	-2.07	7.24	5.09	8.17	1043.06	-2241.42	301.02	-
1499.38	1373.53										
	1	182	108	11.72	3.16	10.30	4.58	3.18	-227.35	-1675.90	-395.02	-
1508.22	463.44										
	1	182	109	13.52	4.20	12.57	5.15	2.82	-1152.17	-1719.78	-1440.38	-
1431.57	283.77										
	1	182	110	14.63	2.63	13.40	3.86	3.63	-1044.52	-2237.50	-1798.45	-
1483.58	575.34										
	1	182	111	14.76	-0.62	13.70	0.45	3.90	-505.06	-2329.26	-1306.15	-
1528.16	905.32										
	1	182	112	14.50	-4.68	14.11	-4.29	2.71	114.16	-2167.18	-207.17	-
1845.85	793.61										
	1	182	113	13.76	-5.36	13.74	-5.35	0.46	106.54	-2063.63	106.32	-
2063.41	-21.63										
	1	182	114	15.05	-3.78	15.00	-3.73	-1.03	-329.23	-1969.48	-597.48	-
1701.23	-606.66										
	1	182	115	16.38	0.23	16.26	0.36	-1.40	-1116.44	-1879.07	-1598.74	-
1396.77	-367.70										
	1	182	116	17.59	0.19	17.51	0.26	-1.14	-1229.76	-1665.85	-1476.18	-
1419.42	216.19										
	1	182	117	18.79	-3.53	18.53	-3.26	-2.41	-408.60	-1807.17	-500.69	-
1715.08	346.86										
	1	182	118	20.31	-5.29	18.95	-3.93	-5.74	235.74	-2151.57	199.86	-
2115.69	-290.46										
	1	182	119	24.86	-2.93	22.04	-0.11	-8.39	403.67	-2496.77	-209.72	-
1883.39	-1184.42										
	1	182	120	27.99	2.87	23.61	7.24	-9.53	-115.06	-2906.07	-1466.13	-
1555.00	-1394.80										
	1	182	121	28.23	8.43	23.69	12.97	-8.32	-522.24	-3048.06	-2174.39	-
1395.91	-1201.43										
	1	182	122	24.97	12.22	20.63	16.56	-6.04	-573.53	-2801.13	-2145.12	-
1229.53	-1015.37										
	1	182	123	26.05	7.07	14.82	18.29	-9.33	-351.21	-2020.39	-1368.12	-
1003.48	-814.43										
	1	182	124	21.91	2.45	5.40	18.96	6.98	334.71	-1050.76	199.10	-
915.15	-411.69										
	1	182	125	23.28	-12.67	2.49	8.11	17.75	1259.08	-1325.22	1079.78	-
1145.92	-656.67										
	1	182	126	9.18	-2.96	-4.77e-02	6.27	5.18	965.47	-1212.51	423.58	-
670.63	-941.58										
	1	182	127	1.21	-1.23	-3.11e-02	1.34e-02	1.22	24.90	-729.21	-11.21	-
693.10	-161.01										
	1	182	128	46.70	2.33	2.36	46.67	-1.17	-30.53	-1512.34	-36.50	-
1506.37	93.86										
	1	182	129	42.00	-3.02	-2.84	41.81	2.86	582.24	-1818.82	294.58	-

1531.16779.71											
1	182	130	23.07	4.04	13.09	14.02	9.50	-434.49	-3201.37	-691.68	-
2944.17 803.41											
1	182	131	19.39	7.23	17.82	8.79	4.07	-1282.88	-3801.07	-1377.97	-
3705.98 480.01											
1	182	132	21.21	5.72	20.73	6.20	2.68	-1803.59	-3942.56	-1863.46	-
3882.70 352.79											
1	182	133	21.59	4.17	21.41	4.35	1.75	-1945.78	-4088.81	-2025.63	-
4008.95405.90											
1	182	134	17.67	2.77	17.61	2.82	0.91	-1655.46	-4428.75	-1740.86	-
4343.35 479.11											
1	182	135	12.24	1.62	12.24	1.62	-5.55e-02	-1240.31	-4850.63	-1283.09	-
4807.85 390.65											
1	182	136	11.29	0.94	11.15	1.07	-1.18	-1127.70	-4975.05	-1129.95	-
4972.79 93.10											
1	182	137	15.52	0.99	15.18	1.33	-2.17	-1399.74	-4679.85	-1408.31	-
4671.29 -167.35											
1	182	138	21.34	1.74	20.89	2.18	-2.92	-1806.81	-4257.14	-1820.75	-
4243.20-184.24											
1	182	139	21.92	1.85	21.27	2.49	-3.53	-1769.89	-4313.55	-1771.14	-
4312.30 -56.31											
1	182	140	18.43	1.79	17.10	3.12	-4.52	-1360.41	-4709.87	-1363.23	-
4707.05 -97.10											
1	182	141	16.83	1.77	13.72	4.87	-6.09	-1052.09	-5013.41	-1088.61	-
4976.89-378.61											
1	182	142	21.52	3.34	17.37	7.49	-7.64	-1198.03	-4872.37	-1343.28	-
4727.11-715.97											
1	182	143	29.63	6.83	25.80	10.66	-8.52	-1648.48	-4363.25	-1951.65	-
4060.09-855.05											
1	182	144	36.17	10.27	32.84	13.60	-8.66	-1938.95	-3851.22	-2400.77	-
3389.40-818.44											
1	182	145	36.20	13.89	33.40	16.69	-7.39	-1785.40	-3315.81	-2303.64	-
2797.58-724.25											
1	182	146	30.69	11.07	17.77	23.99	-9.30	-1064.39	-2472.50	-1393.49	-
2143.40 -595.91											
1	182	147	46.21	-13.69	-13.07	45.59	6.05	461.39	-1494.33	382.90	-
1415.84 -383.85											
1	182	148	29.62	-4.55	2.62	22.45	13.91	799.69	-1202.99	683.70	-
1087.00-467.80											
1	182	149	23.77	-0.36	0.63	22.78	4.77	581.16	-917.55	397.25	-
733.64-491.74											
1	182	150	18.75	-1.16e-02	6.44e-02	18.67	1.19	-13.90	-800.14	-26.16	-
787.88-97.41											
1	182	151	34.35	-0.72	-0.66	34.29	-1.46	-42.05	-1102.24	-42.85	-
1101.4429.06											
1	182	152	37.33	-7.42e-02	0.56	36.69	4.84	272.79	-1063.69	257.35	-
1048.25 142.81											
1	182	153	25.65	5.69	9.82	21.52	8.08	-475.08	-1696.60	-495.55	-
1676.14 156.77											
1	182	154	21.59	9.08	14.73	15.94	6.23	-1024.51	-2173.10	-1113.63	-
2083.99 307.27											
1	182	155	17.99	11.03	16.24	12.78	3.02	-1496.30	-2407.30	-1622.50	-
2281.10 314.71											
1	182	156	16.75	10.38	16.74	10.39	0.30	-1709.55	-2519.17	-1755.38	-
2473.34 187.09											
1	182	157	17.10	6.93	16.80	7.22	-1.71	-1445.30	-2783.39	-1447.09	-
2781.59 48.97											
1	182	158	17.47	3.68	16.93	4.22	-2.65	-1012.24	-3096.89	-1015.15	-
3093.99 77.78											
1	182	159	17.78	2.74	17.20	3.33	-2.90	-898.87	-3197.47	-912.45	-
3183.89 176.12											
1	182	160	18.57	4.12	17.88	4.82	-3.09	-1200.77	-3032.92	-1219.38	-
3014.31 183.73											
1	182	161	20.02	5.81	18.74	7.08	-4.06	-1623.75	-2778.79	-1623.85	-
2778.70 -10.56											
1	182	162	21.37	5.54	19.35	7.56	-5.28	-1498.24	-2848.59	-1557.27	-
2789.56-276.10											
1	182	163	21.73	4.77	19.43	7.07	-5.81	-1064.59	-3064.48	-1150.89	-
2978.18-406.37											
1	182	164	22.53	5.46	19.98	8.02	-6.09	-797.57	-3152.20	-859.37	-

3090.40-376.41											
1	182	165	24.24	8.30	20.90	11.63	-6.49	-1025.48	-2926.99	-1059.06	-
2893.42-250.44											
1	182	166	27.13	11.61	21.91	16.84	-7.34	-1596.68	-2426.75	-1643.30	-
2380.13 -191.12											
1	182	167	31.20	13.64	22.49	22.35	-8.78	-1676.39	-2253.40	-2104.34	-
1825.46-252.57											
1	182	168	34.83	12.79	20.16	27.46	-10.40	-1195.20	-2141.54	-1990.99	-
1345.76 -346.14											
1	182	169	36.04	8.78	13.25	31.56	-10.10	-667.52	-1439.74	-1078.89	-
1028.38-385.29											
1	182	170	36.43	4.76	4.79	36.40	0.99	696.08	-964.37	596.01	-
864.30-395.16											
1	182	171	31.09	1.24	5.18	27.16	10.10	737.77	-1039.69	691.96	-
993.88-281.66											
1	182	172	31.00	7.04e-02	0.97	30.10	5.21	410.49	-741.78	400.11	-
731.41-108.87											
1	182	173	26.44	4.61e-02	8.65e-02	26.40	1.03	-23.42	-791.16	-26.72	-
787.87-50.21											
1	182	174	25.45	0.25	0.30	25.40	-1.14	-1.89	-748.99	-1.90	-
748.98-1.00											
1	182	175	28.59	-8.34e-02	-6.12e-02	28.57	-0.80	177.62	-802.82	122.58	-
747.78-225.69											
1	182	176	19.33	6.10	6.59	18.84	2.50	-15.16	-1051.24	-19.60	-
1046.79 -67.70											
1	182	177	17.81	9.28	10.69	16.40	3.17	-499.75	-1279.42	-695.05	-
1084.12 337.84											
1	182	178	15.63	11.99	13.74	13.88	1.82	-876.49	-1704.91	-1540.22	-
1041.18330.63											
1	182	179	15.35	11.49	15.35	11.49	2.29e-03	-1071.82	-1789.59	-1789.35	-
1072.06 13.00											
1	182	180	16.26	7.35	15.87	7.74	-1.81	-1003.70	-1544.75	-1247.27	-
1301.19-269.18											
1	182	181	17.73	3.65	16.90	4.47	-3.30	-409.12	-1656.04	-434.46	-
1630.70 -175.94											
1	182	182	17.97	1.57	17.18	2.36	-3.50	-262.32	-1778.53	-311.32	-
1729.52 268.15											
1	182	183	19.16	3.85	18.32	4.69	-3.48	-716.89	-1809.51	-1010.43	-
1515.98 484.31											
1	182	184	20.93	5.31	19.57	6.66	-4.40	-1318.49	-1804.30	-1774.65	-
1348.14 116.29											
1	182	185	21.36	5.28	19.60	7.04	-5.02	-1044.56	-1962.40	-1654.68	-
1352.28-433.30											
1	182	186	21.16	4.28	18.82	6.62	-5.83	-437.71	-1947.48	-886.84	-
1498.36-690.19											
1	182	187	21.46	4.89	18.65	7.70	-6.22	-98.24	-1810.85	-203.45	-
1705.64 -411.23											
1	182	188	23.23	7.56	19.01	11.78	-6.95	-419.09	-1583.77	-433.52	-
1569.35 128.81											
1	182	189	25.37	10.00	18.93	16.44	-7.58	-924.02	-1671.84	-1415.17	-
1180.69 355.06											
1	182	190	27.92	12.60	19.11	21.41	-7.57	-864.38	-2174.83	-2158.99	-
880.21143.16											
1	182	191	28.41	13.63	17.19	24.85	-6.32	-651.88	-2128.34	-2107.12	-
673.10-175.71											
1	182	192	27.62	12.64	13.54	26.72	-3.56	-272.35	-1431.85	-1157.49	-
546.72-492.80											
1	182	193	34.16	6.16	6.92	33.40	4.56	927.13	-1066.24	553.43	-
692.54-777.99											
1	182	194	30.04	1.47	6.35	25.16	10.75	1393.79	-1077.88	1367.65	-
1051.74 -252.87											
1	182	195	31.08	-0.81	0.84	29.42	7.08	557.21	-810.06	466.06	-
718.91341.06											
1	182	196	25.48	-0.12	-7.01e-02	25.43	1.08	-16.84	-749.19	-16.87	-
749.164.68											
1	182	197	11.24	-0.16	-0.16	11.23	-0.19	75.60	53.61	59.07	
70.14 -9.50											
1	182	198	16.69	-5.42	-5.38	16.66	-0.85	484.21	-538.50	-61.23	
6.94 -510.22											
1	182	199	12.63	5.59	6.05	12.18	-1.73	1061.66	-355.78	1060.92	-

355.05	-32.26										
1	182	200	16.18	6.00	6.16	16.02	-1.29	803.51	-711.53	-145.94	
237.92	732.80										
1	182	201	17.11	11.57	15.55	13.14	-2.49	224.41	-1846.81	-1742.35	
119.95	453.27										
1	182	202	20.22	10.92	20.22	10.92	-0.10	63.48	-2169.41	-2168.41	
62.48	-47.19										
1	182	203	14.93	7.66	14.70	7.88	1.27	549.54	-1489.91	-1298.45	
358.08	-594.83										
1	182	204	11.13	4.06	10.11	5.08	-2.48	1313.46	-254.46	798.14	
260.87	-736.49										
1	182	205	17.08	0.76	15.34	2.51	-5.05	1044.85	-508.80	752.08	-
216.03	607.58										
1	182	206	20.01	2.47	16.87	5.61	-6.72	624.90	-1277.68	-920.58	
267.80	742.89										
1	182	207	27.49	2.67	26.05	4.10	-5.79	-93.14	-2218.54	-2204.08	-
107.61	174.75										
1	182	208	24.32	4.88	24.20	5.00	-1.51	74.38	-2139.04	-2012.84	-
51.83	-513.24										
1	182	209	13.15	6.83	12.99	6.98	-0.98	899.12	-1310.75	-719.75	
308.12	-978.14										
1	182	210	16.09	5.25	14.27	7.08	-4.06	1320.23	-567.78	990.13	-
237.68	-717.13										
1	182	211	19.64	6.10	12.46	13.29	-6.76	1316.03	-253.02	853.78	
209.22	715.27										
1	182	212	26.54	5.63	17.41	14.76	-10.37	400.12	-1657.28	-1416.98	
159.81	660.80										
1	182	213	28.91	12.50	23.74	17.67	-7.62	-271.32	-2542.28	-2522.86	-
290.75	209.11										
1	182	214	22.08	18.82	21.11	19.79	-1.49	-417.76	-2535.77	-2521.31	-
432.22	-174.44										
1	182	215	22.33	12.25	12.93	21.66	2.52	18.57	-1870.28	-1672.66	-
179.05	-578.11										
1	182	216	24.50	4.18	8.31	20.38	8.17	2070.81	-1525.90	329.72	
215.19	-1797.44										
1	182	217	29.67	-4.43	0.11	25.13	11.59	3624.57	-1159.27	3622.77	-
1157.47	-92.79										
1	182	218	17.27	-0.50	0.64	16.14	4.34	1617.86	-746.55	468.17	
403.14	1181.76										
1	182	219	14.94	-0.82	-0.78	14.90	0.74	313.26	5.44	19.32	
299.38	63.86										
1	182	220	-1.73	-10.71	-1.87	-10.56	1.12	1713.20	-92.71	-92.34	
1712.84	25.60										
1	182	221	15.05	-18.91	14.94	-18.80	1.90	1813.71	-481.19	-475.43	
1807.95	114.82										
1	182	222	23.34	-49.03	-49.03	23.34	-0.57	4895.49	4326.75	4360.98	
4861.26	135.27										
1	182	223	18.31	3.53	5.49	16.34	-5.02	2024.50	-282.61	-275.35	
2017.24	129.23										
1	182	224	36.44	6.27	35.66	7.04	-4.76	401.12	-2178.96	-2172.57	
394.73	128.24										
1	182	225	46.82	1.84	46.58	2.08	-3.27	119.50	-2605.52	-2599.73	
113.71	125.45										
1	182	226	32.83	3.48	32.78	3.54	-1.30	1076.07	-1816.86	-1811.68	
1070.89	122.30										
1	182	227	11.08	-16.17	-16.16	11.08	-0.32	4036.13	1484.40	1484.43	
4036.11	7.73										
1	182	228	16.13	-41.99	-41.80	15.93	-3.34	6053.75	4785.39	4785.39	
6053.75	0.75										
1	182	229	31.65	1.16	30.22	2.59	-6.44	1498.19	-1278.07	-1277.12	
1497.25	-51.19										
1	182	230	51.60	-3.54	51.08	-3.02	-5.37	41.33	-2728.66	-2725.60	
38.27	-92.04										
1	182	231	46.67	-1.51	46.44	-1.28	-3.33	248.21	-2522.82	-2516.42	
241.81	-133.06										
1	182	232	23.79	5.20	23.75	5.24	-0.88	1739.82	-1002.31	-991.91	
1729.42	-168.59										
1	182	233	21.86	-45.74	-45.71	21.83	-1.48	6309.60	5091.77	5125.04	
6276.33	-198.54										
1	182	234	19.98	-14.32	-12.69	18.35	-7.31	4009.40	1465.17	1485.47	

3989.10	-226.36										
1	182	235	35.19	9.28	33.28	11.19	-6.77	843.60	-1898.27	-1876.64	
821.97	-242.56										
1	182	236	46.90	10.36	46.62	10.64	-3.19	-487.57	-2912.21	-2887.66	-
512.12	-242.74										
1	182	237	41.48	13.58	41.47	13.59	-0.65	-862.59	-2900.77	-2878.30	-
885.06	-212.82										
1	182	238	19.09	14.90	16.42	17.56	2.02	-480.40	-2092.44	-2074.84	-
498.00	-167.51										
1	182	239	15.50	-19.89	-18.31	13.92	7.31	1140.66	-2424.10	-2418.49	
1135.05	-141.37										
1	182	240	23.88	-12.41	-10.90	22.37	7.25	1.189e+04	9800.68	1.188e+04	
9811.99	-153.28										
1	182	241	2.92	-2.48	2.92	-2.48	0.11	1527.55	-1372.47	-1367.49	
1522.58	-120.06										
1	182	242	3.42	-1.06	-0.70	3.06	-1.22	1645.57	8.62	10.11	
1644.07	-49.41										
1	182	243	10.05	1.52	1.65	9.92	-1.04	129.32	16.38	61.14	
84.56	55.24										
1	182	244	13.17	-5.66	-5.55	13.06	1.40	734.22	-758.59	-63.20	
38.83	744.66										
1	182	245	5.67	3.59	3.93	5.32	0.78	1142.40	-309.27	1070.96	-
237.82	314.02										
1	182	246	15.98	2.88	5.79	13.07	-5.45	685.20	-383.52	-113.64	
415.33	-464.31										
1	182	247	22.58	10.05	15.90	16.73	-6.25	338.42	-1751.38	-1732.90	
319.94	-195.66										
1	182	248	24.50	9.88	20.02	14.37	-6.74	301.56	-2213.02	-2178.17	
266.71	293.97										
1	182	249	20.24	6.69	16.72	10.21	-5.94	838.34	-1643.79	-1322.77	
517.32	832.93										
1	182	250	12.98	-1.11	12.16	-0.29	-3.30	1477.41	-275.73	762.03	
439.65	861.62										
1	182	251	14.84	-7.56	13.98	-6.70	-4.30	1058.09	-381.29	733.72	-
56.93	-601.39										
1	182	252	16.13	2.30	14.79	3.65	-4.10	807.34	-1359.84	-978.67	
426.17	-825.09										
1	182	253	25.97	6.64	24.92	7.69	-4.38	144.16	-2298.04	-2250.18	
96.30	-338.51										
1	182	254	24.98	6.73	23.20	8.51	-5.41	203.84	-2090.56	-2058.78	
172.06	268.13										
1	182	255	15.72	6.02	14.00	7.74	-3.70	819.27	-1042.44	-767.51	
544.33	660.50										
1	182	256	13.55	-4.72	13.39	-4.57	-1.70	1090.82	-71.54	988.39	
30.89	329.50										
1	182	257	12.09	1.45	11.07	2.48	-3.14	1845.28	-465.51	853.30	
526.47	-1143.78										
1	182	258	18.11	17.05	17.05	18.11	-4.90e-02	1010.65	-1904.49	-1381.22	
487.38	-1118.75										
1	182	259	24.23	20.19	21.06	23.36	1.66	247.92	-2613.14	-2441.77	
76.55	-678.92										
1	182	260	26.65	18.04	18.04	26.65	0.12	-34.86	-2450.92	-2413.02	-
72.76	-300.23										
1	182	261	24.72	10.14	10.24	24.61	-1.26	91.05	-1576.84	-1565.97	
80.19	134.18										
1	182	262	10.94	2.19	4.15	8.98	3.65	1774.58	-1059.94	416.60	
298.04	1416.02										
1	182	263	13.61	-3.73	-2.34	12.21	4.72	3671.65	-1158.46	3661.50	-
1148.30	-221.27										
1	182	264	12.78	2.25	2.46	12.57	1.46	1867.48	-980.32	483.78	
403.39	-1423.33										
1	182	265	13.81	1.03	1.04	13.79	0.40	373.79	-58.78	17.83	
297.18	-165.13										
1	182	266	30.01	0.17	0.19	30.00	-0.59	2.27	-785.74	-0.20	-
783.28	44.03										
1	182	267	31.38	0.46	0.46	31.38	0.27	348.45	-969.96	159.51	-
781.02	461.96										
1	182	268	20.00	6.22	7.92	18.30	-4.53	46.16	-1216.88	-57.55	-
1113.16	346.75										
1	182	269	22.46	2.98	11.28	14.16	-9.63	-763.28	-1182.74	-771.22	-

1174.81-57.14											
1	182	270	23.69	4.03	13.94	13.78	-9.83	-1149.84	-1657.68	-1647.58	-
1159.94 -70.90											
1	182	271	20.80	6.01	15.33	11.48	-7.14	-1179.59	-1998.19	-1923.04	-
1254.74 236.37											
1	182	272	17.82	4.30	16.20	5.92	-4.39	-942.57	-1967.90	-1407.22	-
1503.25 510.41											
1	182	273	18.10	-2.47	17.34	-1.71	-3.86	-593.83	-1905.66	-657.82	-
1841.68 282.58											
1	182	274	18.80	-4.71	17.46	-3.37	-5.45	-415.45	-1971.53	-425.42	-
1961.55 -124.18											
1	182	275	19.45	-2.07	17.25	0.13	-6.52	-855.74	-2122.97	-1215.59	-
1763.12-571.42											
1	182	276	19.35	3.80	17.48	5.67	-5.05	-1442.02	-2132.37	-2005.95	-
1568.44-267.01											
1	182	277	17.86	5.51	17.37	6.00	-2.41	-1476.77	-1977.09	-1885.02	-
1568.84 193.88											
1	182	278	17.23	2.07	17.21	2.09	-0.63	-885.72	-1924.91	-1083.23	-
1727.40 407.73											
1	182	279	18.23	-0.57	18.12	-0.45	-1.46	-317.17	-1907.66	-324.74	-
1900.09-109.48											
1	182	280	18.23	2.03	17.95	2.31	-2.10	-405.18	-1957.62	-618.81	-
1743.98-534.80											
1	182	281	17.31	11.96	17.05	12.22	-1.16	-644.99	-2228.46	-1521.27	-
1352.18-787.21											
1	182	282	21.29	14.76	15.86	20.19	2.44	-771.61	-2454.53	-2206.44	-
1019.70-596.64											
1	182	283	26.66	11.66	13.70	24.63	5.14	-714.37	-2144.31	-2084.24	-
774.44-286.85											
1	182	284	26.97	9.58	10.73	25.82	4.32	-597.39	-1060.98	-1056.97	-
601.4042.91											
1	182	285	32.77	2.24	4.96	30.05	8.70	773.84	-796.53	677.45	-
700.14376.94											
1	182	286	27.92	1.39	5.76	23.54	9.85	1432.45	-1053.68	1432.45	-
1053.67 -1.81											
1	182	287	31.79	0.41	0.51	31.69	1.77	752.01	-949.57	516.31	-
713.87-587.81											
1	182	288	29.96	-0.12	-4.85e-02	29.89	1.42	2.58	-766.47	-11.56	-
752.34-103.29											
1	182	289	48.65	-0.50	-0.49	48.64	-0.67	-32.18	-1200.10	-32.19	-
1200.10 -2.64											
1	182	290	48.43	0.64	1.30	47.78	-5.55	306.66	-1167.96	301.86	-
1163.1683.99											
1	182	291	31.40	5.94	11.11	26.23	-10.24	-543.68	-1912.85	-549.24	-
1907.28 87.10											
1	182	292	27.75	2.40	15.76	14.38	-12.66	-1249.34	-2445.98	-1252.88	-
2442.44 -65.03											
1	182	293	24.70	2.51	17.11	10.11	-10.53	-1805.20	-2741.76	-1811.90	-
2735.06 -78.92											
1	182	294	21.03	3.26	17.21	7.08	-7.30	-1988.74	-2994.19	-1988.77	-
2994.17 5.19											
1	182	295	18.42	1.44	17.01	2.85	-4.68	-1724.64	-3346.71	-1725.46	-
3345.89 36.40											
1	182	296	17.78	-2.20	16.90	-1.32	-4.10	-1329.72	-3690.97	-1330.82	-
3689.87 -50.99											
1	182	297	18.03	-3.93	16.77	-2.67	-5.10	-1256.82	-3814.73	-1272.84	-
3798.70-201.82											
1	182	298	18.44	-2.64	16.57	-0.77	-5.99	-1573.00	-3685.68	-1606.05	-
3652.63-262.20											
1	182	299	17.98	0.94	16.52	2.40	-4.77	-2012.24	-3454.54	-2027.05	-
3439.73-145.40											
1	182	300	16.95	2.13	16.60	2.48	-2.24	-1961.99	-3457.71	-1962.94	-
3456.77 37.55											
1	182	301	16.83	0.34	16.77	0.41	-1.05	-1538.83	-3646.75	-1545.69	-
3639.89 120.06											
1	182	302	17.30	-0.98	17.23	-0.91	-1.12	-1217.22	-3749.19	-1217.57	-
3748.83 30.01											
1	182	303	18.07	1.78	17.92	1.93	-1.57	-1340.87	-3571.28	-1350.96	-
3561.19 -149.66											
1	182	304	18.64	7.93	18.64	7.93	-4.20e-02	-1827.47	-3120.92	-1871.43	-

3076.95	-234.38									
1	182	305	21.31	11.67	18.83	14.15	4.22	-2161.29	-2572.36	-2257.04	-
2476.61	-173.75									
1	182	306	27.87	8.77	16.55	20.09	9.38	-1891.12	-2081.61	-2060.34	-
1912.38	-59.99									
1	182	307	33.32	6.44	10.62	29.14	9.74	-989.13	-1386.44	-989.51	-
1386.06	12.26									
1	182	308	42.89	-0.26	2.31	40.33	10.20	794.31	-974.31	792.25	-
972.25	60.36									
1	182	309	35.73	0.79	2.93	33.59	8.37	823.34	-1018.05	823.19	-
1017.90	-16.50									
1	182	310	41.83	0.46	0.62	41.67	2.59	460.74	-741.07	449.45	-
729.79	-115.93									
1	182	311	41.34	6.65e-02	0.11	41.30	1.27	-16.35	-803.05	-18.52	-
800.88	-41.24									
1	182	312	67.43	1.26	1.28	67.41	-1.20	-6.29	-1621.87	-17.84	-
1610.32	-136.13									
1	182	313	59.30	-4.93	-4.74	59.11	-3.45	522.39	-1846.18	307.78	-
1631.56	-679.90									
1	182	314	32.06	6.24	12.33	25.98	-10.96	-513.33	-3246.72	-713.33	-
3046.72	-711.81									
1	182	315	27.73	6.73	19.59	14.87	-10.23	-1415.61	-3936.14	-1483.73	-
3868.01	-408.73									
1	182	316	27.34	4.66	23.00	9.01	-8.93	-2023.43	-4148.64	-2062.60	-
4109.48	-285.82									
1	182	317	25.96	2.64	23.22	5.38	-7.51	-2208.68	-4391.48	-2265.15	-
4335.02	-346.50									
1	182	318	21.10	1.28	18.79	3.58	-6.36	-1965.77	-4826.99	-2034.24	-
4758.52	-437.28									
1	182	319	15.74	0.35	12.91	3.19	-5.97	-1593.36	-5277.83	-1632.36	-
5238.83	-377.05									
1	182	320	14.69	-0.43	11.26	3.00	-6.33	-1521.89	-5413.45	-1526.69	-
5408.65	-136.63									
1	182	321	17.54	-0.24	14.66	2.65	-6.56	-1838.93	-5106.31	-1840.42	-
5104.82	69.69									
1	182	322	21.71	0.71	20.01	2.41	-5.73	-2277.75	-4745.40	-2277.83	-
4745.32	14.28									
1	182	323	21.10	1.68	20.04	2.73	-4.40	-2217.54	-4776.14	-2231.65	-
4762.02	-189.51									
1	182	324	16.30	3.02	15.28	4.04	-3.54	-1790.32	-5140.60	-1801.89	-
5129.03	-196.61									
1	182	325	12.72	4.34	11.30	5.76	-3.14	-1466.81	-5362.72	-1466.88	-
5362.65	15.93									
1	182	326	15.43	6.36	14.48	7.30	-2.77	-1606.77	-5128.91	-1630.80	-
5104.88	289.93									
1	182	327	22.64	8.73	22.49	8.88	-1.43	-2045.59	-4521.02	-2118.01	-
4448.61	417.15									
1	182	328	29.34	11.43	29.25	11.52	1.30	-2311.41	-3825.31	-2439.48	-
3697.24	421.29									
1	182	329	32.03	13.92	29.64	16.32	6.14	-2062.21	-3206.25	-2245.06	-
3023.40	419.23									
1	182	330	32.75	7.36	12.63	27.47	10.30	-1083.60	-2403.86	-1226.26	-
2261.20	409.88									
1	182	331	55.85	-18.41	-18.21	55.64	3.91	637.95	-1466.94	615.86	-
1444.86	214.47									
1	182	332	36.73	1.72	1.95	36.50	2.84	865.27	-1116.42	839.49	-
1090.64	224.55									
1	182	333	42.75	0.27	0.41	42.61	2.40	507.21	-802.51	447.14	-
742.44	273.98									
1	182	334	42.38	0.15	0.17	42.36	1.07	-22.02	-815.54	-22.20	-
815.37	11.78									
1	182	335	36.94	0.21	0.28	36.88	-1.55	23.51	-1076.36	-19.45	-
1033.40	-213.08									
1	182	336	39.96	-5.92e-02	0.90	39.01	-6.12	1198.31	-1939.09	253.74	-
994.51	-1439.20									
1	182	337	26.90	4.15	7.79	23.26	-8.34	919.86	-2221.48	228.51	-
1530.13	-1301.46									
1	182	338	24.80	7.97	13.36	19.41	-7.85	-379.08	-1764.01	-548.46	-
1594.64	-453.74									
1	182	339	22.04	6.75	15.99	12.81	-7.48	-1318.57	-1878.49	-1624.14	-

1572.92	-278.78										
1	182	340	20.81	4.28	16.26	8.82	-7.38	-1265.09	-2402.53	-2007.29	-
1660.34	-541.62										
1	182	341	19.44	2.16	15.35	6.26	-7.35	-859.77	-2587.33	-1589.91	-
1857.19	-853.38										
1	182	342	19.16	0.90	14.70	5.35	-7.84	-286.58	-2478.65	-594.92	-
2170.31	-762.12										
1	182	343	18.62	0.30	13.97	4.96	-7.97	-341.99	-2379.98	-342.00	-
2379.97	-2.98										
1	182	344	19.09	1.20	15.30	4.98	-7.30	-855.70	-2264.98	-1071.47	-
2049.20	507.47										
1	182	345	19.34	2.62	16.07	5.89	-6.63	-1688.06	-2217.26	-2107.43	-
1797.90	214.62										
1	182	346	19.01	3.39	16.05	6.35	-6.12	-1441.65	-2323.48	-2002.28	-
1762.85	-424.35										
1	182	347	19.10	4.16	16.11	7.14	-5.97	-725.47	-2302.43	-1003.72	-
2024.18	-601.13										
1	182	348	18.76	4.75	16.20	7.31	-5.42	-233.60	-2321.43	-235.48	-
2319.55	-62.72										
1	182	349	20.04	7.80	18.18	9.66	-4.40	-190.65	-2380.46	-506.42	-
2064.68	769.27										
1	182	350	21.20	11.25	20.29	12.17	-2.88	-639.14	-2613.66	-1558.77	-
1694.04	984.94										
1	182	351	21.12	16.76	20.95	16.92	-0.84	-825.91	-2653.38	-2080.23	-
1399.06	847.89										
1	182	352	23.54	17.09	17.61	23.01	1.77	-708.93	-2359.72	-1923.25	-
1145.40	728.02										
1	182	353	29.51	7.32	9.76	27.07	6.95	-422.02	-1593.49	-1090.35	-
925.16	579.88										
1	182	354	36.39	2.88	2.92	36.35	1.20	478.37	-935.61	439.40	-
896.64	231.49										
1	182	355	28.76	2.57	2.75	28.58	-2.20	1274.48	-1166.45	1198.24	-
1090.21	424.59										
1	182	356	33.53	0.34	0.47	33.41	2.05	783.32	-1041.96	452.28	-
710.92	703.32										
1	182	357	31.72	0.10	0.15	31.67	1.21	-10.57	-764.45	-15.37	-
759.64	59.99										
1	182	358	7.29	-0.99	-0.98	7.27	-0.39	479.66	-132.29	15.41	
331.95	-261.86										
1	182	359	16.65	-3.18	0.46	13.01	-7.67	2299.49	-1919.38	123.28	
256.83	-2108.38										
1	182	360	23.84	2.90	10.89	15.85	-10.17	1011.49	452.46	544.28	
919.66	207.12										
1	182	361	19.82	3.10	12.50	10.42	-8.29	687.00	-1523.27	-1501.31	
665.05	-219.19										
1	182	362	15.91	2.48	11.67	6.72	-6.24	633.33	-2123.69	-2004.47	
514.11	-560.79										
1	182	363	12.97	1.07	10.17	3.86	-5.04	1234.38	-1898.53	-1531.14	
866.99	-1007.98										
1	182	364	12.15	2.43	9.66	4.93	-4.24	2368.53	-607.25	634.44	
1126.85	-1467.38										
1	182	365	18.47	1.21	15.58	4.10	-6.45	1978.94	-1023.78	-357.69	
1312.85	1247.56										
1	182	366	16.53	1.33	14.17	3.70	-5.51	801.82	-2349.98	-2329.76	
781.60	251.66										
1	182	367	14.09	1.88	12.19	3.78	-4.42	939.87	-2275.21	-2206.33	
870.99	-465.52										
1	182	368	14.06	3.36	12.21	5.22	-4.05	2174.72	-1066.06	-280.72	
1389.38	-1388.65										
1	182	369	19.24	6.27	17.18	8.34	-4.75	2445.37	-524.00	797.75	
1123.62	1475.72										
1	182	370	18.26	7.09	17.92	7.43	-1.93	1191.93	-1879.52	-1418.45	
730.85	1097.07										
1	182	371	17.22	11.54	16.23	12.53	2.15	418.75	-2284.72	-2005.59	
139.62	822.63										
1	182	372	22.47	7.68	13.25	16.89	7.17	190.28	-2131.49	-1869.47	-
71.74	734.64										
1	182	373	27.12	-1.02	8.70	17.40	13.38	222.15	-1456.80	-1264.13	
29.48	535.13										
1	182	374	22.87	2.45	6.25	19.06	7.96	452.14	-574.90	-164.56	

41.80	-503.04										
1	182	375	13.39	-0.27	-1.69e-02	13.14	1.83	1848.77	-1244.87	425.02	
178.88	1541.92										
1	182	376	5.72	-1.29	-1.29	5.72	-3.31e-02	226.56	-51.83	0.14	
174.59	108.48										
1	182	377	23.59	-2.79	3.36	17.45	-11.15	2874.87	-824.69	2431.18	-
381.01	-1201.91										
1	182	378	15.14	1.49	11.34	5.30	-6.12	2165.22	206.83	2105.74	
266.30	-336.06										
1	182	379	17.93	6.98	15.02	9.88	-4.84	2317.24	203.39	2294.63	
226.00	217.45										
1	182	380	20.28	3.35	3.49	20.15	-1.50	3012.62	-1136.28	2985.54	-
1109.20	334.09										
1	182	381	0.57	-6.70	-0.65	-5.48	2.72	2106.87	108.23	116.93	
2098.17	-131.54										
1	182	382	3.34	-18.54	1.82	-17.01	-5.57	2076.13	-1866.28	-1834.30	
2044.15	-353.61										
1	182	383	15.49	-14.70	-2.18	2.97	-14.87	1.016e+04	8912.70	9347.53	
9726.41	-594.84										
1	182	384	17.38	-4.02	8.79	4.56	-10.49	3827.71	-764.68	-597.76	
3660.79	-859.47										
1	182	385	15.79	-1.57	8.75	5.46	-8.52	2060.12	-1595.78	-1440.50	
1904.84	-737.28										
1	182	386	12.70	0.62	9.23	4.10	-5.47	1617.27	-1853.61	-1815.91	
1579.57	-359.76										
1	182	387	7.56	1.47	6.41	2.61	-2.38	2382.80	-1631.11	-1631.10	
2382.80	-5.97										
1	182	388	3.22	-2.65	2.94	-2.37	-1.24	5217.54	-355.94	-355.26	
5216.86	61.58										
1	182	389	7.50	-6.79	6.25	-5.54	-4.04	1.167e+04	9616.97	9651.80	
1.164e+04	-265.25										
1	182	390	10.22	-4.61	7.92	-2.31	-5.37	3659.48	-1937.99	-1924.32	
3645.80	-276.37										
1	182	391	14.31	-0.42	11.88	2.01	-5.46	1922.14	-2525.29	-2522.23	
1919.09	-116.52										
1	182	392	11.08	1.65	10.34	2.39	-2.53	2112.85	-2502.74	-2500.77	
2110.88	95.28										
1	182	393	5.11	-1.76	5.10	-1.75	-0.28	3800.27	-2049.56	-2045.05	
3795.77	162.35										
1	182	394	9.72	-5.20	9.28	-4.75	-2.53	1.191e+04	1.007e+04	1.007e+04	
1.191e+04	31.07										
1	182	395	14.03	-3.35	12.85	-2.16	-4.38	5034.09	-256.12	-244.28	
5022.25	-249.99										
1	182	396	13.31	1.46	13.15	1.62	-1.34	1991.08	-1434.80	-1431.50	
1987.77	-106.39										
1	182	397	17.25	3.55	15.40	5.39	4.68	851.06	-1748.49	-1724.64	
827.22	247.84										
1	182	398	23.44	-0.34	14.65	8.46	11.48	607.12	-1845.03	-1678.78	
440.86	616.48										
1	182	399	29.46	-9.29	10.60	9.57	19.37	896.92	-1692.12	-1399.11	
603.91	820.22										
1	182	400	14.31	-21.22	5.34	-12.25	15.44	1856.61	-2938.60	-2815.38	
1733.40	758.72										
1	182	401	7.23	-7.15	-4.28	4.35	5.75	1.059e+04	9501.83	1.046e+04	
9639.63	362.82										
1	182	402	2.62	-13.03	2.50	-12.90	1.37	1696.06	-1702.36	-1699.67	
1693.37	95.54										
1	182	403	0.11	-6.60	-0.59	-5.91	-2.04	1788.47	104.16	104.44	
1788.19	21.66										
1	182	404	2.33	0.88	0.92	2.29	-0.24	359.75	-85.00	-84.51	
359.27	14.67										
1	182	405	1.40	-6.40	-1.68	-3.32	-3.82	1149.35	-534.60	369.08	
245.67	839.71										
1	182	406	1.09	-16.08	-12.63	-2.36	-6.88	1000.94	-2046.28	993.42	-
2038.75	-151.24										
1	182	407	6.61	-5.47	1.76	-0.62	-5.92	1815.85	-1528.27	350.13	-
62.56	-1659.28										
1	182	408	14.29	-3.38	12.01	-1.10	-5.93	979.51	-1318.09	-800.48	
461.90	-959.87										

1	182	409	12.51	-2.36	11.94	-1.80	-2.85	598.25	-1058.39	-1035.86	575.72 -191.86
1	182	410	11.20	-1.87	11.15	-1.82	-0.82	649.69	-1251.94	-1017.31	415.06 625.40
1	182	411	-2.65	-4.96	-3.39	-4.23	-1.07	1400.51	-1383.52	345.97	-328.991350.48
1	182	412	-0.24	-23.47	-23.27	-0.44	-2.14	807.65	-2126.64	708.59	-2027.59-529.95
1	182	413	1.61	-3.92	-1.15	-1.16	-2.77	1236.56	-1523.88	-493.86	206.55-1335.05
1	182	414	28.44	-4.11	27.93	-3.60	-4.03	357.00	-2090.10	-2036.40	303.29 -358.52
1	182	415	26.49	-4.55	26.39	-4.45	-1.76	250.50	-2255.58	-2177.53	172.45 435.32
1	182	416	2.64	-4.04	2.58	-3.98	-0.64	806.47	-1799.27	-891.72	-101.081241.44
1	182	417	-3.82	-22.59	-22.58	-3.82	-0.37	658.81	-2380.79	627.92	-2349.89 304.89
1	182	418	-3.63	-9.82	-9.58	-3.87	-1.20	1833.21	-1579.12	661.80	-407.71-1620.20
1	182	419	13.27	-2.25	13.17	-2.15	-1.22	776.60	-1252.84	-762.36	286.13-868.80
1	182	420	25.64	-3.42	25.40	-3.18	2.60	401.22	-954.38	-943.91	390.76 -118.66
1	182	421	31.90	-4.06	30.25	-2.42	7.51	517.42	-1159.62	-1011.46	369.26 475.94
1	182	422	32.40	-6.18	28.24	-2.02	11.97	711.29	-1561.11	-1092.82	243.00 919.16
1	182	423	17.60	-3.30	16.55	-2.24	4.57	1427.49	-2201.59	-595.79	-178.311802.49
1	182	424	-1.50	-18.59	-17.59	-2.50	4.01	1448.57	-2089.75	1424.45	-2065.63 291.14
1	182	425	2.49	-4.84	-4.40	2.05	1.74	1409.02	-560.69	513.53	334.81-980.79
1	182	426	1.39	0.63	1.01	1.01	0.38	362.98	-57.96	-46.53	351.55 -68.42
1	182	427	2.22	1.29	1.38	2.12	0.28	21.63	-217.88	-47.49	-148.77-108.52
1	182	428	0.98	0.51	0.56	0.93	0.15	274.69	-148.87	256.81	-130.99-85.18
1	182	429	0.49	-2.10	-1.04	-0.57	1.27	961.25	53.56	935.20	79.62 -151.57
1	182	430	-0.94	-5.83	-5.61	-1.17	-1.03	412.17	-125.67	236.61	49.90 -252.20
1	182	431	1.59	-0.74	-7.27e-02	0.92	-1.05	63.23	-723.15	-637.49	-22.43-245.00
1	182	432	2.89	1.13	2.88	1.14	-0.14	-23.52	-958.59	-938.44	-43.67-135.77
1	182	433	2.68	0.57	2.04	1.21	0.97	-17.76	-793.14	-792.26	-18.64-26.05
1	182	434	-0.60	-6.47	-6.47	-0.60	-8.36e-02	122.42	30.46	73.37	79.51 -45.88
1	182	435	-1.00	-6.65	-6.53	-1.13	0.83	721.91	23.16	699.86	45.21 -122.15
1	182	436	-0.39	-4.98	-4.46	-0.92	-1.47	77.13	-564.81	-462.02	-25.66-235.41
1	182	437	15.99	1.37	15.86	1.51	-1.40	-20.37	-1913.31	-1897.08	-36.60-174.54
1	182	438	15.73	1.98	15.60	2.11	-1.32	27.25	-2039.01	-2036.46	24.70 -72.52
1	182	439	3.63	0.64	3.53	0.74	0.55	74.60	-879.29	-878.86	74.17 20.31
1	182	440	-0.96	-4.87	-4.78	-1.05	0.59	672.21	129.12	665.22	136.12 -61.23
1	182	441	-1.31	-7.97	-7.86	-1.42	-0.87	410.45	65.42	399.88	75.99 -59.46
1	182	442	4.41	-1.00	2.78	0.63	-2.48	-14.93	-536.62	-527.67	-23.88-67.72
1	182	443	13.88	0.57	13.73	0.73	-1.43	-39.01	-846.91	-843.52	-42.4052.20

1	182	444	21.56	0.70	21.54	0.72	-0.66	-13.81	-956.18	-929.47	-40.53156.40
1	182	445	26.78	0.63	26.78	0.64	0.29	11.87	-1080.54	-1035.34	-33.33217.55
1	182	446	21.90	3.18	21.38	3.71	3.08	171.34	-481.59	-376.17	65.92 240.24
1	182	447	10.10	-2.90	10.02	-2.82	0.96	1176.63	27.30	1166.83	37.11 105.71
1	182	448	0.19	-0.12	3.76e-02	3.26e-02	0.15	424.12	-50.81	423.44	-50.1317.96
1	182	449	0.84	-0.25	-0.22	0.81	-0.18	6.64	-141.32	-44.76	-89.9370.45
1	193	13	2.71	1.23	1.31	2.62	-0.35	18.15	-257.08	-50.67	-188.27119.18
1	193	14	1.30	0.68	1.27	0.71	0.14	268.34	-190.28	232.50	-154.44123.10
1	193	15	1.39	-1.31	0.62	-0.54	-1.22	965.48	55.98	912.23	109.24 213.53
1	193	16	0.33	-3.52	-2.48	-0.71	1.71	469.56	-187.55	221.73	60.29 318.48
1	193	17	3.70	0.67	3.10	1.28	1.21	116.38	-771.93	-647.14	-8.41308.67
1	193	18	6.10	1.14	6.10	1.14	-0.10	11.19	-870.30	-825.83	-33.29192.95
1	193	19	4.02	0.62	3.45	1.19	-1.27	-10.92	-586.25	-579.10	-18.0763.74
1	193	20	-1.09	-3.54	-3.50	-1.13	-0.33	443.61	71.60	432.01	83.20 64.66
1	193	21	-0.42	-2.63	-2.37	-0.68	-0.70	947.87	110.04	936.44	121.47 97.19
1	193	22	4.39	-0.13	4.31	-5.10e-02	0.60	64.34	-59.85	-13.06	17.54 60.18
1	193	23	16.91	1.40	16.89	1.41	0.49	-40.60	-876.07	-873.92	-42.74-42.30
1	193	24	18.73	1.22	18.72	1.22	-0.30	6.61	-883.08	-839.39	-37.07-192.24
1	193	25	12.50	-1.23e-02	12.49	-7.22e-03	-0.25	251.54	-271.19	-38.40	18.75 -259.80
1	193	26	9.11	-0.76	9.06	-0.71	-0.70	947.84	75.65	911.99	111.49 -173.14
1	193	27	16.73	-1.29	16.67	-1.23	1.04	359.03	40.13	320.73	78.43 -103.67
1	193	28	31.56	0.90	31.50	0.96	1.42	-13.21	-735.39	-726.91	-21.68-77.77
1	193	29	42.95	0.70	42.94	0.71	0.64	-12.24	-1061.27	-1032.41	-41.10-171.58
1	193	30	51.87	0.68	51.87	0.68	0.12	1.16	-1146.50	-1089.58	-55.76-249.17
1	193	31	54.97	0.74	54.95	0.76	-0.90	24.11	-1210.13	-1140.85	-45.17-284.09
1	193	32	50.53	1.95	50.41	2.07	-2.39	174.63	-568.18	-417.92	24.37 -298.40
1	193	33	23.86	-1.27	23.80	-1.21	1.23	1033.58	37.51	1016.42	54.66 -129.59
1	193	34	3.65	-1.13	3.62	-1.10	0.39	359.52	-51.04	355.42	-46.94-40.82
1	193	35	1.03	-0.84	-0.78	0.98	0.31	4.48	-131.47	-38.54	-88.45-63.23
1	193	36	4.92	0.94	0.95	4.92	0.15	220.99	-80.25	-79.94	220.67 9.69
1	193	37	1.36	-5.80	-2.63	-1.80	3.55	942.06	-576.41	303.31	62.34 -749.62
1	193	38	-0.32	-19.99	-15.72	-4.59	8.11	986.97	-2288.57	950.14	-2251.74 345.40
1	193	39	5.07	-10.41	-3.22	-2.12	7.72	1930.28	-1934.78	307.71	-312.201907.51
1	193	40	15.72	-5.48	12.46	-2.22	7.65	1051.76	-1627.20	-838.74	263.30 1220.90
1	193	41	18.46	-3.82	17.87	-3.23	3.60	512.62	-1118.55	-976.70	

370.76	459.64									
1	193	42	13.41	-2.54	13.34	-2.47	1.06	383.71	-935.91	-820.89
268.69	-372.23									
1	193	43	-3.82	-6.02	-4.24	-5.60	0.87	1342.24	-1203.23	637.55
498.54	-1138.94									
1	193	44	-4.15	-14.37	-14.28	-4.24	0.93	976.19	-2457.21	839.44
2320.46	671.44									
1	193	45	7.88	-3.26	7.47	-2.84	2.10	1294.80	-1427.54	-128.50
4.25	1359.75									
1	193	46	26.05	-3.29	25.82	-3.06	2.56	417.88	-1108.03	-1062.52
372.37	259.55									
1	193	47	27.70	-2.77	27.68	-2.75	0.78	689.41	-1371.01	-1026.47
344.87	-768.89									
1	193	48	14.63	-2.96	14.58	-2.92	0.88	1642.92	-1757.66	-110.59
4.16	-1699.46									
1	193	49	-1.86	-5.92	-5.52	-2.27	1.22	1030.90	-2542.23	858.57
2369.90	-765.54									
1	193	50	14.62	-1.79	14.60	-1.76	0.66	1355.60	-1239.41	560.29
444.09	1196.38									
1	193	51	38.39	-1.59	38.38	-1.59	0.39	463.06	-1131.95	-945.16
276.27	512.88									
1	193	52	50.29	-2.27	49.96	-1.94	-4.18	435.54	-1140.48	-1122.18
417.24	-168.85									
1	193	53	57.05	-2.84	55.34	-1.13	-9.97	683.67	-1417.45	-1147.34
413.57	-703.26									
1	193	54	54.81	-3.81	51.41	-0.41	-13.71	911.13	-1768.57	-1181.27
323.83	-1108.54									
1	193	55	34.96	-1.34	34.76	-1.14	-2.71	1684.71	-2300.31	-547.29
68.31	-1978.07									
1	193	56	1.96	-2.39	1.85	-2.29	-0.66	1311.42	-2202.22	1256.84
2147.65	-434.49									
1	193	57	5.21	-6.40	-6.39	5.21	-0.27	1278.57	-559.29	456.01
263.27	913.86									
1	193	58	1.95	1.45	1.69	1.72	-0.25	349.09	-47.37	-35.48
337.20	67.63									
1	193	59	1.33	-6.05	-0.75	-3.97	-3.32	2028.91	133.85	145.27
2017.49	146.69									
1	193	60	4.84	-15.93	3.78	-14.86	4.59	2014.55	-1932.96	-1869.32
1950.91	497.17									
1	193	61	18.31	-14.15	0.15	4.00	16.12	1.041e+04	8838.50	9519.58
9729.06	778.81									
1	193	62	17.01	-10.64	2.51	3.87	13.81	3726.79	-906.51	-645.95
3466.23	1067.41									
1	193	63	15.75	-4.85	6.49	4.41	10.25	1953.91	-1719.07	-1442.30
1677.14	969.52									
1	193	64	13.77	-0.63	10.34	2.80	6.13	1420.77	-1887.97	-1772.40
1305.20	607.48									
1	193	65	9.95	1.66e-02	9.65	0.32	1.71	2106.42	-1530.35	-1514.30
2090.38	241.02									
1	193	66	9.02	-3.16	9.01	-3.15	-0.33	4850.44	-236.50	-234.03
4847.98	111.98									
1	193	67	12.13	-5.56	11.29	-4.72	3.75	1.136e+04	9610.55	9708.51
1.126e+04	4401.63									
1	193	68	12.77	-4.53	10.92	-2.68	5.35	3363.85	-1652.55	-1624.08
3335.39	376.80									
1	193	69	16.84	-0.25	16.06	0.52	3.56	1621.02	-1900.29	-1899.77
1620.49	42.99									
1	193	70	18.45	1.02	18.37	1.09	1.14	1920.96	-1830.27	-1786.21
1876.89	-404.17									
1	193	71	16.43	-0.94	16.43	-0.94	-0.23	3718.11	-1588.68	-1520.41
3649.84	-598.03									
1	193	72	20.91	-3.68	20.69	-3.46	2.32	1.199e+04	1.003e+04	1.017e+04
1.185e+04	-503.63									
1	193	73	24.60	-5.58e-02	24.37	0.17	2.36	5069.21	-216.24	-211.41
5064.38	-159.66									
1	193	74	29.32	5.86	29.29	5.89	-0.90	2080.85	-1506.60	-1493.07
2067.32	-219.89									
1	193	75	36.44	6.99	34.34	9.08	-7.57	1028.57	-1894.12	-1796.65
931.10	-524.76									

1	193	76	42.00	5.39	34.79	12.60	-14.56	844.42	-2006.62	-1727.87	565.67 -846.78
1	193	77	45.64	-2.73	30.69	12.22	-22.35	1120.92	-1856.20	-1457.52	722.23 -1013.89
1	193	78	28.49	-17.76	24.05	-13.32	-13.62	2050.55	-3038.06	-2839.53	1852.02 -985.30
1	193	79	4.41	0.59	3.00	2.00	-1.85	1.088e+04	9563.76	1.056e+04	9884.49 -565.70
1	193	80	4.05	-19.89	4.02	-19.85	-0.91	1835.84	-1722.48	-1708.07	1821.44 -225.96
1	193	81	-0.89	-14.23	-0.97	-14.15	1.04	1893.85	84.63	86.26	1892.22 -54.17
1	193	82	26.64	0.99	4.28	23.36	8.57	3042.61	-996.37	2508.01	-461.771368.74
1	193	83	15.21	7.53	15.05	7.69	1.09	2302.99	-48.07	2209.35	45.57 459.78
1	193	84	23.34	9.57	23.09	9.82	-1.83	2580.86	32.14	2428.91	184.09 -603.48
1	193	85	17.73	0.58	5.56	12.76	7.78	3084.50	-1123.28	3018.37	-1057.14 -523.37
1	193	86	7.17	-1.74	-1.73	7.16	0.29	448.59	-135.58	15.33	297.68 255.70
1	193	87	18.44	-1.33	1.01	16.09	6.39	2452.23	-2100.63	128.26	223.34 2275.93
1	193	88	26.30	3.44	10.01	19.73	10.35	874.43	592.06	597.37	869.12 -38.34
1	193	89	20.41	3.40	12.08	11.73	8.51	669.20	-1526.43	-1447.57	590.33 408.58
1	193	90	16.49	4.72	14.08	7.14	4.75	627.14	-2151.32	-1923.79	399.60 761.86
1	193	91	15.16	3.30	14.74	3.73	2.21	1235.82	-1965.66	-1435.02	705.18 1190.48
1	193	92	15.34	6.51	15.23	6.61	0.95	2411.76	-743.42	737.48	930.86 1574.63
1	193	93	17.89	3.51	17.09	4.32	3.31	1771.14	-799.28	-108.46	1080.32 -1139.50
1	193	94	18.64	2.21	18.18	2.67	2.72	567.28	-1955.43	-1923.91	535.76 -280.20
1	193	95	20.05	2.59	20.03	2.61	0.65	673.38	-1793.58	-1769.28	649.08 243.63
1	193	96	21.95	4.65	21.93	4.67	-0.63	1852.19	-581.16	50.75	1220.291066.93
1	193	97	25.19	9.40	25.17	9.42	-0.54	2827.69	-885.94	851.93	1089.82 -1853.00
1	193	98	26.49	10.24	26.10	10.64	-2.50	1409.19	-2120.04	-1423.14	712.28 -1404.94
1	193	99	28.71	12.75	25.80	15.66	-6.16	610.28	-2495.56	-2030.54	145.26 -1108.17
1	193	100	31.76	11.03	23.02	19.77	-10.23	359.41	-2324.09	-1913.36	-51.32 -966.17
1	193	101	33.38	2.69	17.54	18.53	-15.33	391.45	-1638.92	-1309.33	61.86 -748.71
1	193	102	19.35	10.32	14.49	15.18	-4.50	315.87	-409.73	-184.63	90.78 335.65
1	193	103	3.78	-0.97	-0.63	3.44	1.22	2048.20	-1374.82	426.00	247.38 -1709.18
1	193	104	-0.94	-7.56	-0.97	-7.53	0.39	314.85	-67.47	2.52	244.86 -147.86
1	193	105	36.65	0.38	0.50	36.53	2.07	24.68	-1077.08	-17.11	-1035.28 210.49
1	193	106	41.13	-0.25	0.21	40.67	4.33	1338.54	-2065.19	259.36	-986.011583.86
1	193	107	29.14	5.54	6.96	27.72	5.62	1123.12	-2271.54	318.94	-1467.351443.33
1	193	108	27.65	10.40	13.51	24.53	6.63	-126.26	-1805.74	-417.99	-1514.01636.28
1	193	109	21.66	11.47	17.20	15.94	5.06	-1067.27	-1986.10	-1536.02	-1517.35459.32
1	193	110	19.77	9.62	18.75	10.64	3.05	-1079.26	-2475.89	-1906.44	-

1648.71 686.32											
1	193	111	18.78	7.37	18.46	7.69	1.86	-703.28	-2660.26	-1481.68	-
1881.86 957.81											
1	193	112	18.00	6.52	17.83	6.69	1.37	-161.77	-2604.56	-482.74	-
2283.60 825.25											
1	193	113	16.85	5.99	16.74	6.10	1.09	-193.65	-2532.31	-196.58	-
2529.37 82.77											
1	193	114	18.52	5.62	18.43	5.71	1.06	-741.25	-2370.90	-864.13	-
2248.02-430.29											
1	193	115	19.89	5.49	19.86	5.52	0.70	-1630.11	-2170.46	-1824.79	-
1975.77 -259.41											
1	193	116	20.92	5.65	20.91	5.66	-0.41	-1572.24	-2113.71	-1707.37	-
1978.58 234.33											
1	193	117	21.56	6.12	21.38	6.30	-1.64	-691.05	-2292.92	-771.36	-
2212.62 349.56											
1	193	118	21.97	6.56	21.15	7.39	-3.47	-69.09	-2490.42	-90.79	-
2468.72-228.20											
1	193	119	24.37	10.15	23.83	10.70	-2.73	25.51	-2655.29	-446.63	-
2183.14 -1021.18											
1	193	120	26.11	13.57	25.69	13.99	-2.25	-416.52	-2877.06	-1561.79	-
1731.80-1227.33											
1	193	121	27.60	17.19	26.07	18.73	-3.69	-676.04	-2926.44	-2132.79	-
1469.68-1075.24											
1	193	122	28.36	18.16	22.63	23.89	-5.06	-581.44	-2610.39	-1971.34	-
1220.49-942.45											
1	193	123	31.74	9.66	14.56	26.83	-9.18	-256.22	-1848.16	-1127.82	-
976.56-792.37											
1	193	124	33.46	6.31	6.51	33.26	2.36	542.28	-1021.81	422.02	-
901.55-416.70											
1	193	125	27.74	-0.97	4.01	22.76	10.87	1350.96	-1228.67	1203.67	-
1081.39 -598.53											
1	193	126	25.00	0.45	0.70	24.75	2.48	904.39	-1146.53	446.96	-
689.10-853.76											
1	193	127	18.95	0.29	0.32	18.91	-0.82	-1.81	-747.32	-14.65	-
734.49-96.97											
1	193	128	66.44	1.12	1.15	66.41	1.28	-3.85	-1630.34	-15.08	-
1619.11134.70											
1	193	129	59.40	-5.26	-5.23	59.37	1.39	635.36	-1962.35	313.40	-
1640.39 855.98											
1	193	130	31.52	8.44	11.84	28.12	8.18	-364.27	-3359.48	-669.91	-
3053.85 906.65											
1	193	131	26.10	10.47	20.22	16.35	7.57	-1296.33	-4002.68	-1411.52	-
3887.49 546.32											
1	193	132	25.71	8.53	24.31	9.92	4.69	-1936.77	-4216.43	-2002.02	-
4151.18380.12											
1	193	133	25.52	5.44	25.16	5.79	2.66	-2118.45	-4477.28	-2198.32	-
4397.41 426.64											
1	193	134	21.17	3.72	21.12	3.77	0.87	-1873.21	-4914.88	-1959.94	-
4828.15 506.23											
1	193	135	15.41	3.26	15.41	3.26	0.15	-1497.81	-5425.49	-1542.60	-
5380.71 417.00											
1	193	136	13.98	2.84	13.97	2.86	0.39	-1407.60	-5568.71	-1411.86	-
5564.44 133.08											
1	193	137	17.48	2.44	17.46	2.46	0.55	-1687.04	-5300.12	-1690.68	-
5296.49 -114.56											
1	193	138	22.77	2.24	22.76	2.25	-0.34	-2087.89	-4911.32	-2093.73	-
4905.48-128.24											
1	193	139	23.33	2.54	23.15	2.72	-1.93	-2039.61	-4949.37	-2039.63	-
4949.35 -6.81											
1	193	140	19.56	3.79	18.95	4.40	-3.05	-1636.05	-5275.19	-1636.05	-
5275.19 3.05											
1	193	141	16.73	5.53	15.48	6.78	-3.54	-1330.76	-5473.68	-1344.74	-
5459.70-240.33											
1	193	142	19.79	8.28	19.00	9.08	-2.92	-1477.01	-5237.03	-1552.00	-
5162.04-525.67											
1	193	143	27.60	10.79	27.12	11.28	-2.81	-1909.14	-4557.11	-2082.65	-
4383.59-655.25											
1	193	144	34.92	13.03	33.78	14.17	-4.86	-2164.86	-3929.59	-2432.15	-
3662.30-632.65											

1	193	145	36.44	15.31	33.29	18.47	-7.53	-1913.24	-3333.68	-2253.39	-
2993.53	-606.18										
1	193	146	34.46	9.97	15.84	28.59	-10.46	-952.60	-2500.05	-1213.61	-
2239.04	-579.46										
1	193	147	54.12	-14.70	-14.66	54.08	1.62	677.58	-1495.23	612.43	-
1430.08	-370.56										
1	193	148	33.96	1.75	3.53	32.18	7.35	922.94	-1150.70	845.25	-
1073.02	-393.77										
1	193	149	34.89	0.43	0.59	34.73	2.34	575.35	-863.39	440.23	-
728.27	-419.70										
1	193	150	32.01	0.19	0.20	32.00	-0.68	-20.07	-813.36	-22.87	-
810.57	-47.03										
1	193	151	48.52	-0.61	-0.58	48.48	1.29	-29.27	-1226.58	-29.27	-
1226.58	-0.81										
1	193	152	47.95	1.24	1.56	47.64	3.83	309.78	-1203.66	305.72	-
1199.60	78.29										
1	193	153	28.11	8.61	11.59	25.13	7.02	-508.41	-2002.79	-514.21	-
1996.99	92.91										
1	193	154	23.99	4.88	16.24	12.63	9.38	-1186.35	-2615.18	-1225.96	-
2575.57	234.58										
1	193	155	21.34	5.30	17.78	8.86	6.67	-1738.85	-2933.13	-1791.80	-
2880.18	245.82										
1	193	156	18.71	5.46	18.10	6.08	2.79	-1950.23	-3153.37	-1966.02	-
3137.57	136.95										
1	193	157	18.28	1.58	18.27	1.59	-0.39	-1687.72	-3489.36	-1689.33	-
3487.75	53.88										
1	193	158	18.55	-2.99	18.48	-2.92	-1.19	-1279.36	-3832.89	-1282.60	-
3829.65	90.92										
1	193	159	18.55	-4.09	18.55	-4.09	-0.14	-1181.91	-3958.09	-1196.21	-
3943.78	198.76										
1	193	160	18.66	-1.67	18.64	-1.65	0.61	-1488.08	-3816.67	-1510.19	-
3794.55	225.84										
1	193	161	18.84	1.84	18.82	1.86	-0.55	-1910.90	-3574.69	-1915.23	-
3570.37	84.74										
1	193	162	19.72	1.82	19.19	2.34	-3.02	-1834.27	-3571.81	-1844.27	-
3561.81	-131.46										
1	193	163	20.56	0.18	19.75	1.00	-3.98	-1400.66	-3738.43	-1427.52	-
3711.57	-249.13										
1	193	164	20.96	0.27	20.39	0.85	-3.40	-1099.69	-3793.33	-1114.18	-
3778.84	-197.04										
1	193	165	21.58	4.14	21.19	4.53	-2.58	-1276.12	-3540.10	-1277.16	-
3539.05	-48.59										
1	193	166	22.98	10.20	22.07	11.11	-3.28	-1809.70	-2988.96	-1810.53	-
2988.13	31.38										
1	193	167	26.29	13.22	21.88	17.63	-6.18	-2209.46	-2381.55	-2211.02	-
2379.99	-16.33										
1	193	168	31.49	11.17	18.78	23.88	-9.83	-1742.56	-2079.27	-2019.19	-
1802.64	-128.92										
1	193	169	35.39	8.83	12.51	31.71	-9.18	-863.14	-1399.70	-962.43	-
1300.42	-208.36										
1	193	170	40.69	3.09	3.43	40.35	-3.56	827.71	-976.92	795.69	-
944.90	-238.23										
1	193	171	31.75	3.61	3.89	31.47	2.78	848.42	-1023.76	835.19	-
1010.52	-156.86										
1	193	172	36.54	0.63	0.82	36.36	2.60	447.52	-730.20	447.04	-
729.72	-23.81										
1	193	173	34.03	6.10e-02	7.72e-02	34.01	-0.74	-20.06	-800.66	-20.13	-
800.59	7.19										
1	193	174	28.77	0.14	0.18	28.74	1.04	5.43	-791.63	1.56	-
787.77	-55.40										
1	193	175	30.27	0.53	0.65	30.15	-1.88	251.30	-878.65	158.40	-
785.75	-310.38										
1	193	176	17.01	7.94	8.00	16.95	0.72	33.98	-1156.58	-4.33	-
1118.27	-210.10										
1	193	177	18.86	6.07	11.57	13.36	6.33	-649.75	-1268.01	-723.88	-
1193.88	200.84										
1	193	178	20.01	8.32	14.32	14.01	5.84	-1097.42	-1703.06	-1614.45	-
1186.04	214.04										
1	193	179	16.78	10.83	15.81	11.80	2.20	-1274.47	-1905.21	-1891.33	-

1288.35	-92.55										
1	193	180	17.15	5.40	17.01	5.55	-1.30	-1080.99	-1833.17	-1371.80	-
1542.36	-366.29										
1	193	181	18.73	-3.51	18.57	-3.36	-1.85	-549.38	-1944.63	-577.61	-
1916.39	-196.46										
1	193	182	19.01	-4.92	19.01	-4.92	-0.10	-418.48	-2082.32	-467.95	-
2032.85	282.61										
1	193	183	18.81	-0.39	18.76	-0.34	0.94	-889.92	-2118.24	-1175.13	-
1833.03	518.64										
1	193	184	19.11	5.29	19.08	5.33	-0.70	-1552.12	-2054.47	-1941.40	-
1665.19	209.80										
1	193	185	19.79	4.96	19.06	5.69	-3.20	-1444.16	-2031.26	-1817.36	-
1658.06	-282.54										
1	193	186	20.10	0.93	18.91	2.12	-4.64	-776.03	-2049.85	-1039.36	-
1786.51	-515.84										
1	193	187	20.32	-0.30	19.69	0.32	-3.53	-308.13	-1981.07	-336.40	-
1952.80	-215.63										
1	193	188	20.15	3.65	19.78	4.01	-2.42	-440.01	-1879.08	-537.67	-
1781.42	361.94										
1	193	189	19.47	13.18	18.70	13.95	-2.07	-796.07	-2035.53	-1483.07	-
1348.53	616.07										
1	193	190	24.46	14.75	17.71	21.50	-4.47	-885.72	-2314.50	-2181.73	-
1018.49	414.82										
1	193	191	27.97	13.04	15.39	25.63	-5.43	-764.22	-2073.37	-2065.98	-
771.61	98.03										
1	193	192	28.10	11.39	12.11	27.37	-3.41	-496.41	-1137.32	-1036.61	-
597.12	-233.25										
1	193	193	31.60	6.01	6.06	31.55	-1.19	918.68	-907.60	711.01	-
699.93	-579.77										
1	193	194	23.58	5.71	6.03	23.26	2.37	1479.96	-1052.34	1476.37	-
1048.76	-95.22										
1	193	195	29.72	1.78e-02	0.59	29.14	4.10	641.76	-852.36	501.17	-
711.77	436.23										
1	193	196	26.51	-0.12	-9.65e-02	26.49	-0.82	-5.99	-756.11	-12.33	-
749.78	68.66										
1	193	197	8.80	1.97	2.36	8.41	1.59	155.62	8.84	61.59	
102.86	-70.43										
1	193	198	11.36	-6.73	-6.23	10.86	-2.97	604.99	-596.32	-59.52	
68.20	-597.25										
1	193	199	7.19	-1.00	3.27	2.92	-4.09	1124.61	-182.61	1104.03	-
162.02	-162.74										
1	193	200	14.67	5.66	6.40	13.94	2.46	896.46	-453.09	-72.98	
516.35	607.04										
1	193	201	20.23	14.99	16.37	18.86	2.31	465.01	-1743.04	-1691.89	
413.86	332.14										
1	193	202	20.74	15.45	20.21	15.98	1.58	350.80	-2159.70	-2149.23	
340.33	-161.76										
1	193	203	17.15	11.17	17.15	11.18	-6.07e-02	805.75	-1531.62	-1297.97	
572.10	-701.10										
1	193	204	12.45	-3.13	12.09	-2.77	-2.36	1431.54	-175.90	799.58	
456.05	-785.15										
1	193	205	14.92	-8.07	14.90	-8.05	-0.70	1068.55	-377.44	740.20	-
49.08	605.79										
1	193	206	16.98	4.03	16.93	4.08	-0.78	769.58	-1295.71	-946.68	
420.56	773.96										
1	193	207	26.30	7.30	26.24	7.36	-1.06	76.47	-2255.12	-2222.98	
44.33	271.87										
1	193	208	24.34	8.06	24.33	8.06	-0.30	161.26	-2089.59	-2032.62	
104.29	-353.54										
1	193	209	14.21	6.41	14.05	6.57	-1.12	860.95	-1132.64	-741.68	
469.99	-791.55										
1	193	210	14.26	-3.63	13.89	-3.26	-2.54	1188.66	-246.04	986.89	-
44.28	-498.76										
1	193	211	12.84	4.30	12.69	4.46	-1.14	1651.43	-349.21	873.54	
428.68	975.28										
1	193	212	21.33	14.75	18.37	17.72	-3.27	808.49	-1782.59	-1382.33	
408.23	936.42										
1	193	213	26.04	18.87	22.36	22.55	-3.58	72.15	-2548.23	-2452.75	-
23.34	491.01										

1	193	214	25.48	19.31	19.34	25.45	-0.43	-172.05	-2427.09	-2422.68	-176.45	99.52
1	193	215	24.93	11.24	11.68	24.50	2.40	69.02	-1627.31	-1561.61	3.31	-327.32
1	193	216	12.75	4.72	5.59	11.88	2.49	1965.05	-1256.87	432.69	275.49	-1609.04
1	193	217	16.30	-2.94	-1.55	14.92	4.97	3693.42	-1141.30	3692.87	-1140.75	51.65
1	193	218	13.46	1.34	2.13	12.67	3.00	1727.36	-826.12	489.09	412.16	1276.16
1	193	219	12.73	0.72	0.72	12.73	0.10	353.73	-29.66	19.43	304.64	128.10
1	193	220	-1.13	-9.72	-1.77	-9.08	-2.26	1707.08	-92.10	-91.93	1706.91	-17.60
1	193	221	15.82	-18.23	15.02	-17.43	-5.14	1803.60	-475.89	-473.96	1801.67	66.23
1	193	222	24.54	-49.03	-48.99	24.49	-1.82	4861.54	4354.23	4362.68	4853.09	64.92
1	193	223	17.85	4.63	5.54	16.94	3.35	2005.11	-278.01	-277.64	2004.74	29.19
1	193	224	35.91	7.55	35.88	7.59	1.03	376.81	-2180.29	-2180.29	376.80	3.05
1	193	225	46.95	2.25	46.87	2.33	-1.98	91.73	-2611.30	-2611.29	91.72	-4.75
1	193	226	34.06	2.59	33.12	3.54	-5.37	1045.64	-1824.65	-1824.65	1045.64	0.33
1	193	227	12.03	-16.96	-15.77	10.85	-5.74	4013.26	1471.99	1472.00	4013.26	3.55
1	193	228	15.55	-41.44	-41.44	15.55	-0.29	6028.16	4773.55	4773.60	6028.11	-8.18
1	193	229	30.70	2.07	30.56	2.21	1.98	1463.54	-1293.41	-1293.37	1463.50	-10.78
1	193	230	51.53	-3.68	51.53	-3.68	-0.28	6.46	-2743.68	-2743.46	6.24	24.60
1	193	231	47.00	-2.10	46.86	-1.95	-2.67	212.14	-2534.23	-2533.25	211.17	51.81
1	193	232	24.67	4.20	23.96	4.91	-3.75	1699.74	-1005.22	-1004.58	1699.10	41.53
1	193	233	21.51	-45.49	-45.48	21.49	-1.09	6256.39	5118.06	5119.25	6255.20	36.82
1	193	234	18.48	-12.79	-12.46	18.15	3.22	3974.35	1482.69	1483.62	3973.42	48.15
1	193	235	33.77	10.75	33.43	11.10	2.81	807.99	-1874.88	-1874.08	807.20	46.22
1	193	236	46.72	10.64	46.68	10.67	1.09	-521.41	-2880.31	-2879.59	522.13	41.12
1	193	237	41.42	13.74	41.41	13.74	0.21	-890.56	-2863.94	-2863.67	890.83	23.07
1	193	238	18.38	15.71	16.24	17.85	-1.07	-499.85	-2057.50	-2057.50	499.86	-2.99
1	193	239	14.25	-18.43	-18.40	14.22	-0.99	1136.06	-2371.09	-2371.06	1136.02	-11.18
1	193	240	22.99	-11.12	-10.81	22.68	3.22	1.191e+04	9818.38	1.191e+04	9818.53	-17.32
1	193	241	3.78	-2.87	2.94	-2.03	2.21	1523.69	-1354.52	-1354.28	1523.44	-26.46
1	193	242	3.48	-0.71	-0.71	3.48	0.12	1642.78	9.31	9.42	1642.67	13.47
1	193	243	15.79	-0.96	-0.93	15.76	0.64	63.73	39.11	61.01	41.83	-7.72
1	193	244	21.76	-4.61	-4.59	21.74	-0.80	611.14	-699.73	-55.92	32.67	655.33
1	193	245	17.81	6.81	7.08	17.54	-1.69	1056.14	-465.21	1035.30	444.38	176.83
1	193	246	16.92	5.60	5.83	16.68	-1.61	585.07	-652.88	-185.59	117.78	-600.10
1	193	247	15.98	11.52	15.38	12.11	-1.52	58.96	-1840.69	-1783.96	2.23	-323.35
1	193	248	22.54	7.75	20.46	9.83	-5.15	-23.43	-2225.16	-2211.19	-	

37.40174.78											
1	193	249	19.26	2.51	14.88	6.90	-7.36	517.42	-1627.11	-1345.71	
236.02 724.08											
1	193	250	12.83	5.09	10.85	7.07	-3.38	1316.95	-407.97	745.21	
163.78 811.99											
1	193	251	14.90	3.48	14.90	3.48	7.40e-02	993.26	-585.55	723.41	-
315.70-594.33											
1	193	252	15.68	3.85	15.40	4.13	1.80	600.10	-1364.74	-985.43	
220.79 -775.51											
1	193	253	25.68	3.09	25.68	3.10	0.42	-135.48	-2273.23	-2258.77	-
149.94-175.21											
1	193	254	24.73	3.42	23.91	4.24	-4.10	26.17	-2162.19	-2065.08	-
70.94450.64											
1	193	255	15.23	5.52	13.50	7.25	-3.72	803.87	-1256.50	-772.74	
320.11 873.32											
1	193	256	14.14	5.50	14.14	5.50	-0.14	1205.04	-444.27	979.61	-
218.85566.55											
1	193	257	13.64	8.22	10.97	10.89	2.71	1476.72	-377.65	838.31	
260.76 -881.07											
1	193	258	22.69	8.55	16.27	14.98	7.04	579.35	-1770.20	-1410.78	
219.93 -845.75											
1	193	259	26.55	14.52	22.51	18.56	5.68	-138.60	-2560.69	-2492.06	-
207.24-401.90											
1	193	260	21.95	19.17	19.81	21.31	1.17	-338.96	-2480.06	-2479.87	-
339.15-20.33											
1	193	261	22.53	11.07	11.24	22.36	-1.39	-13.71	-1722.60	-1630.50	-
105.81385.88											
1	193	262	18.41	6.67	6.91	18.16	-1.69	1917.12	-1307.27	371.50	
238.36 1610.82											
1	193	263	23.31	-0.69	-0.53	23.15	-1.95	3630.44	-1164.52	3629.54	-
1163.62 -65.74											
1	193	264	16.84	0.95	0.95	16.83	0.10	1761.87	-895.65	472.78	
393.44-1328.16											
1	193	265	16.79	-0.42	-0.41	16.79	-0.31	322.15	-14.45	18.71	
288.98 -100.32											
1	193	266	29.88	0.27	0.35	29.79	1.57	-2.39	-758.55	-2.64	-
758.30-13.64											
1	193	267	33.05	-0.22	-0.20	33.03	-0.80	265.40	-890.04	132.69	-
757.33368.41											
1	193	268	24.78	4.40	6.60	22.58	-6.33	-12.13	-1099.82	-49.77	-
1062.18 198.81											
1	193	269	22.42	6.85	10.56	18.71	-6.63	-622.65	-1184.97	-715.55	-
1092.07-208.83											
1	193	270	20.19	8.15	13.62	14.73	-5.99	-984.71	-1636.39	-1573.25	-
1047.85 -192.76											
1	193	271	18.95	8.07	15.28	11.73	-5.14	-1094.36	-1850.92	-1829.45	-
1115.83125.62											
1	193	272	17.27	6.44	15.48	8.23	-4.02	-914.10	-1728.65	-1298.73	-
1344.02 406.64											
1	193	273	16.73	4.77	16.05	5.45	-2.77	-488.33	-1711.00	-537.20	-
1662.13 239.52											
1	193	274	16.48	2.34	16.00	2.82	-2.57	-292.57	-1779.94	-298.63	-
1773.87 -94.77											
1	193	275	17.67	3.47	17.30	3.84	-2.26	-740.58	-1864.71	-1084.08	-
1521.21-517.83											
1	193	276	18.67	5.59	18.54	5.72	-1.29	-1322.58	-1913.93	-1872.18	-
1364.34 -151.49											
1	193	277	18.49	6.12	18.47	6.14	-0.47	-1139.38	-1980.02	-1752.11	-
1367.30 373.70											
1	193	278	17.48	5.43	17.42	5.50	0.86	-571.74	-1885.76	-955.29	-
1502.21 597.40											
1	193	279	17.34	5.85	17.08	6.10	1.68	-199.58	-1730.47	-206.93	-
1723.12105.85											
1	193	280	18.13	8.64	17.23	9.54	2.78	-437.59	-1658.57	-513.55	-
1582.61-294.92											
1	193	281	20.60	11.15	17.08	14.66	4.57	-779.09	-1871.56	-1434.82	-
1215.83-535.15											
1	193	282	24.53	13.00	17.33	20.20	5.58	-818.28	-2235.48	-2151.85	-
901.91-333.95											

1	193	283	27.22	12.37	15.56	24.04	6.09	-689.42	-2078.62	-2078.30	-
689.74	-20.93										
1	193	284	27.02	10.79	12.15	25.66	4.50	-430.09	-1236.93	-1110.76	-
556.26	293.05										
1	193	285	33.07	5.43	5.78	32.73	3.09	808.14	-910.62	586.78	-
689.26	575.72										
1	193	286	26.15	6.04	6.08	26.11	0.91	1380.31	-1065.27	1371.34	-
1056.30	147.81										
1	193	287	32.59	0.66	0.72	32.53	-1.39	666.63	-892.64	492.23	-
718.24	-491.45										
1	193	288	29.42	-3.58e-02	-3.06e-02	29.41	-0.39	-12.96	-755.10	-15.28	-
752.78	-41.41										
1	193	289	37.55	-0.67	-0.56	37.43	2.10	-40.06	-1095.19	-43.13	-
1092.13	-56.81										
1	193	290	41.09	-0.77	0.32	40.00	-6.67	254.94	-1029.76	254.91	-
1029.74	5.78										
1	193	291	31.48	3.23	9.39	25.31	-11.67	-524.18	-1616.10	-524.48	-
1615.80	-18.11										
1	193	292	26.65	6.67	14.35	18.98	-9.72	-1097.81	-2033.42	-1134.86	-
1996.37	-182.45										
1	193	293	22.53	8.28	15.79	15.03	-7.11	-1579.16	-2262.65	-1644.51	-
2197.30	-200.99										
1	193	294	19.54	8.54	16.12	11.96	-5.09	-1777.75	-2415.74	-1788.16	-
2405.34	-80.80										
1	193	295	17.35	6.98	15.88	8.46	-3.62	-1497.84	-2728.91	-1497.91	-
2728.85	8.85										
1	193	296	16.40	4.44	15.70	5.14	-2.81	-1094.77	-3049.17	-1095.37	-
3048.58	-34.02										
1	193	297	16.22	3.29	15.74	3.77	-2.45	-1008.79	-3159.61	-1021.25	-
3147.14	-163.25										
1	193	298	16.74	3.98	16.34	4.38	-2.24	-1320.14	-3009.33	-1343.73	-
2985.75	-198.19										
1	193	299	16.96	6.02	16.84	6.15	-1.17	-1773.58	-2756.48	-1773.93	-
2756.12	-18.61										
1	193	300	17.06	6.36	17.05	6.36	0.27	-1668.82	-2828.54	-1711.17	-
2786.20	217.51										
1	193	301	16.87	5.36	16.76	5.46	1.09	-1242.47	-3048.77	-1289.35	-
3001.90	287.18										
1	193	302	17.27	5.37	17.01	5.63	1.75	-956.03	-3165.95	-979.16	-
3142.82	224.89										
1	193	303	18.33	7.87	17.66	8.54	2.55	-1139.44	-2979.49	-1141.84	-
2977.09	66.38										
1	193	304	20.97	11.23	18.63	13.56	4.16	-1690.29	-2528.10	-1690.30	-
2528.09	-1.99										
1	193	305	25.94	12.07	19.01	19.00	6.94	-1936.82	-2143.78	-2124.98	-
1955.61	59.47										
1	193	306	31.49	10.09	17.23	24.34	10.09	-1431.08	-2027.14	-1982.53	-
1475.69	156.84										
1	193	307	34.45	6.33	11.30	29.48	10.73	-875.33	-1286.54	-1040.50	-
1121.37	201.59										
1	193	308	37.97	2.69	3.58	37.08	5.53	684.49	-920.07	655.48	-
891.07	213.76										
1	193	309	30.43	4.26	4.29	30.40	0.83	728.58	-1002.42	722.37	-
996.21	103.53										
1	193	310	35.97	0.88	0.88	35.97	-0.17	414.33	-734.66	413.38	-
733.71	-33.02										
1	193	311	34.09	6.63e-02	7.72e-02	34.08	-0.61	-24.32	-798.38	-24.67	-
798.03	16.46										
1	193	312	50.73	2.44	2.47	50.70	1.22	-24.22	-1523.74	-34.19	-
1513.77	-121.85										
1	193	313	45.03	-2.86	-2.33	44.50	-5.02	495.80	-1739.38	294.82	-
1538.40	-639.41										
1	193	314	26.93	1.84	13.61	15.16	-12.52	-554.39	-3145.22	-733.61	-
2966.00	-657.43										
1	193	315	21.27	4.86	17.26	8.87	-7.05	-1365.02	-3790.51	-1427.14	-
3728.40	-383.15										
1	193	316	22.69	3.16	19.50	6.35	-7.21	-1877.95	-3927.16	-1917.85	-
3887.27	-283.13										
1	193	317	22.24	1.73	19.59	4.38	-6.88	-2033.29	-4106.26	-2093.44	-

4046.10-347.97										
1	193	318	18.22	-0.33	15.42	2.47	-6.64	-1758.33	-4495.06	-1827.30	-
4426.09-428.95										
1	193	319	12.85	-2.10	9.89	0.85	-5.96	-1359.55	-4912.75	-1394.39	-
4877.92-350.09										
1	193	320	11.00	-2.15	8.85	-1.09e-03	-4.87	-1273.10	-5027.19	-1274.39	-
5025.90 -69.64										
1	193	321	13.90	-1.11	12.83	-4.32e-02	-3.86	-1585.59	-4713.60	-1591.58	-
4707.61 136.70										
1	193	322	18.80	0.21	18.30	0.71	-3.02	-2030.22	-4228.08	-2037.82	-
4220.48 129.01										
1	193	323	18.66	0.75	18.30	1.11	-2.51	-1991.36	-4284.10	-1991.57	-
4283.88 -22.04										
1	193	324	13.73	1.39	13.49	1.64	-1.72	-1554.59	-4730.12	-1555.02	-
4729.69 -37.09										
1	193	325	9.54	3.10	9.53	3.11	-0.28	-1218.34	-5004.50	-1227.42	-
4995.42 185.19										
1	193	326	13.36	4.82	12.79	5.39	2.14	-1352.18	-4848.11	-1424.44	-
4775.85 497.38										
1	193	327	22.38	6.84	21.03	8.20	4.38	-1804.27	-4322.58	-1977.34	-
4149.51 637.10										
1	193	328	29.59	9.67	28.13	11.13	5.19	-2110.78	-3736.63	-2394.02	-
3453.40 616.66										
1	193	329	31.77	12.69	29.59	14.87	6.07	-1945.41	-3185.52	-2281.02	-
2849.91 550.97										
1	193	330	29.08	8.68	14.38	23.38	9.15	-1131.68	-2378.52	-1333.23	-
2176.97 459.00										
1	193	331	47.88	-15.79	-15.79	47.88	-0.66	475.78	-1467.84	441.17	-
1433.23 257.05										
1	193	332	27.99	1.31	1.89	27.41	-3.88	766.51	-1134.38	715.57	-
1083.43 307.00										
1	193	333	31.08	0.47	0.48	31.08	-9.55e-02	511.06	-839.36	411.81	-
740.11352.39										
1	193	334	29.40	4.18e-02	6.58e-02	29.38	-0.84	-19.72	-801.90	-25.43	-
796.1966.57										
1	193	335	15.74	-1.11	-1.10	15.72	0.58	15.52	-991.40	-31.08	-
944.80-211.54										
1	193	336	20.61	-1.77	0.82	18.01	-7.17	1207.47	-1910.57	236.39	-
939.50-1443.90										
1	193	337	16.89	-5.69	8.05	3.16	-11.02	921.57	-2263.72	254.73	-
1596.88-1295.92										
1	193	338	12.71	-1.21	10.14	1.36	-5.41	-341.84	-1766.34	-468.76	-
1639.41-405.82										
1	193	339	14.02	0.30	11.30	3.02	-5.46	-1305.45	-1759.55	-1517.65	-
1547.36-226.56										
1	193	340	15.79	-2.61	10.83	2.36	-8.16	-1193.49	-2254.47	-1887.50	-
1560.45-504.66										
1	193	341	15.77	-6.64	10.45	-1.31	-9.54	-707.90	-2395.71	-1414.69	-
1688.92-832.69										
1	193	342	14.82	-10.54	10.78	-6.49	-9.28	-62.55	-2257.55	-337.07	-
1983.02 -726.10										
1	193	343	13.35	-10.32	10.77	-7.74	-7.38	-65.04	-2174.96	-67.25	-
2172.75 68.25										
1	193	344	13.07	-7.57	11.65	-6.15	-5.21	-476.38	-2144.91	-835.68	-
1785.61 685.86										
1	193	345	13.56	-2.33	12.25	-1.02	-4.37	-1175.94	-2134.59	-1907.56	-
1402.97 407.55										
1	193	346	14.12	-2.30	12.33	-0.52	-5.11	-1193.54	-2005.84	-1797.28	-
1402.11-354.85										
1	193	347	14.19	-4.65	12.82	-3.28	-4.89	-512.46	-1985.80	-760.19	-
1738.07 -551.02										
1	193	348	13.89	-5.10	13.43	-4.64	-2.92	37.33	-2112.06	34.67	-
2109.41 75.54										
1	193	349	16.07	-1.53	15.96	-1.43	1.32	161.91	-2330.15	-277.11	-
1891.13949.38										
1	193	350	19.19	4.00	17.78	5.42	4.41	-332.47	-2686.38	-1453.49	-
1565.36 1175.62										
1	193	351	19.86	9.68	18.16	11.39	3.80	-666.59	-2813.37	-2110.29	-
1369.681007.49										
1	193	352	18.44	12.87	15.23	16.08	2.75	-674.18	-2582.51	-2069.30	-

1187.40	846.16										
1	193	353	22.73	5.37	9.08	19.02	7.12	-454.76	-1815.14	-1299.39	-
970.52	660.01										
1	193	354	23.15	1.11	1.70	22.57	-3.55	316.43	-973.32	259.01	-
915.90	266.01										
1	193	355	19.28	-3.52	1.25	14.51	-9.27	1203.82	-1259.74	1098.92	-
1154.84	497.42										
1	193	356	16.61	-0.30	-0.26	16.58	-0.79	844.80	-1107.48	430.25	-
692.93	798.41										
1	193	357	13.07	-0.28	-0.22	13.01	-0.87	11.17	-742.34	-11.64	-
719.53	129.10										
1	193	358	1.53	-15.47	1.53	-15.47	-0.16	684.99	-79.58	17.65	
587.76	-254.72										
1	193	359	3.25	-16.94	-1.29	-12.40	-8.43	2439.89	-1804.73	116.60	
518.55	-2112.77										
1	193	360	9.55	-3.57	5.50	0.48	-6.06	1658.36	567.44	775.22	
1450.58	428.37										
1	193	361	12.33	2.25	8.18	6.40	-4.96	1249.57	-1356.75	-1356.25	
1249.08	-35.87										
1	193	362	12.85	-0.45	6.61	5.79	-6.64	1228.45	-1925.12	-1862.51	
1165.84	-439.91										
1	193	363	13.36	-5.25	6.47	1.65	-8.99	1918.19	-1568.78	-1278.30	
1627.72	-963.59										
1	193	364	10.61	-10.93	6.63	-6.96	-8.36	3056.72	17.36	1072.62	
2001.47	-1446.98										
1	193	365	11.56	-5.48	11.13	-5.04	-2.68	2982.95	-750.53	22.27	
2210.15	1512.61										
1	193	366	11.06	1.30	10.63	1.73	-2.00	1678.40	-2147.07	-2097.26	
1628.59	433.66										
1	193	367	11.53	-0.32	9.34	1.88	-4.61	1781.87	-2011.71	-1966.44	
1736.61	-411.90										
1	193	368	11.10	-4.12	9.57	-2.59	-4.57	3002.30	-563.22	116.43	
2322.66	-1400.49										
1	193	369	17.76	-3.16	17.65	-3.06	1.49	3304.75	-94.47	1212.40	
1997.88	1653.61										
1	193	370	20.35	3.87	18.61	5.61	5.07	1887.84	-1699.61	-1223.48	
1411.71	1217.13										
1	193	371	19.89	7.50	15.19	12.20	6.02	916.40	-2223.96	-1946.62	
639.06	891.09										
1	193	372	21.01	6.10	12.00	15.11	7.29	530.78	-2214.34	-1965.25	
281.69	788.50										
1	193	373	22.83	-0.80	9.79	12.23	11.75	430.31	-1637.53	-1483.01	
275.79	543.74										
1	193	374	4.71	5.78e-02	4.29	0.47	1.33	630.05	-665.49	-287.28	
251.85	-589.02										
1	193	375	0.31	-6.65	0.29	-6.63	0.41	2120.89	-1262.68	527.26	
330.95	1688.94										
1	193	376	0.75	-13.57	0.75	-13.56	-0.31	413.02	-75.28	19.45	
318.29	193.09										
1	193	377	6.91	-17.47	-2.22	-8.33	-11.80	3023.09	-347.72	2590.93	
84.44	-1126.93										
1	193	378	9.21	-13.49	7.08	-11.37	-6.61	2642.22	1233.52	2614.81	
1260.93	-194.59										
1	193	379	12.51	-6.11	12.21	-5.81	-2.31	2870.82	1211.91	2814.85	
1267.88	299.53										
1	193	380	5.94	-9.34	-0.23	-3.17	-7.50	3118.27	-886.03	3083.19	-
850.95	373.16										
1	193	381	-0.74	-22.40	-0.75	-22.39	-0.52	2504.05	18.47	18.68	
2503.84	-23.04										
1	193	382	1.02	-36.46	-2.48	-32.96	-10.90	2519.05	-1773.28	-1764.75	
2510.52	-191.23										
1	193	383	10.25	-18.61	-3.54	-4.82	-14.42	1.071e+04	9622.82	9748.60	
1.058e+04	-346.99										
1	193	384	7.74	4.13	7.58	4.29	-0.74	4649.74	-359.10	-279.73	
4570.38	-625.49										
1	193	385	9.46	5.23	5.92	8.77	-1.56	2923.92	-1370.75	-1309.08	
2862.25	-510.94										
1	193	386	13.33	2.95	6.07	10.20	-4.76	2636.00	-1652.34	-1648.21	
2631.87	-133.04										

1	193	387	13.58	-3.46	3.76	6.36	-8.42	3526.87	-1399.10	-1388.78
3516.55	225.22									
1	193	388	8.52	-9.34	0.36	-1.18	-8.90	6566.09	172.53	182.26
6556.36	249.18									
1	193	389	6.96	-5.40	6.03	-4.47	-3.26	1.313e+04	1.039e+04	1.040e+04
1.312e+04	-197.78									
1	193	390	9.26	-1.53	8.39	-0.67	2.92	4875.25	-1478.91	-1476.23
4872.57	-130.48									
1	193	391	9.04	5.42	9.02	5.44	-0.26	3014.75	-2293.57	-2293.09
3014.26	-50.79									
1	193	392	12.43	2.95	8.37	7.01	-4.69	3278.93	-2262.87	-2248.25
3264.30	284.34									
1	193	393	10.85	-3.01	6.95	0.89	-6.23	5141.43	-1584.16	-1571.38
5128.65	292.89									
1	193	394	12.98	-4.25	12.78	-4.04	-1.86	1.354e+04	1.083e+04	1.083e+04
1.354e+04	81.63									
1	193	395	17.38	-1.73	15.68	-3.16e-02	5.44	6446.55	235.29	250.52
6431.33	-307.14									
1	193	396	21.22	2.75	17.46	6.51	7.44	3084.35	-1285.88	-1274.46
3072.93	-223.13									
1	193	397	22.98	6.87	18.86	10.99	7.02	1692.48	-1638.53	-1633.73
1687.68	126.39									
1	193	398	27.35	3.90	19.11	12.14	11.20	1179.49	-1740.64	-1651.36
1090.21	502.73									
1	193	399	26.95	-3.44	15.40	8.11	14.75	1221.67	-1853.83	-1669.29
1037.12	730.42									
1	193	400	14.68	-23.18	13.56	-22.05	6.44	2218.61	-2986.08	-2882.78
2115.31	725.93									
1	193	401	1.77	-7.15	0.33	-5.70	3.29	1.100e+04	1.006e+04	1.085e+04
1.021e+04	342.24									
1	193	402	3.46	-25.26	2.42	-24.22	5.37	1963.28	-1546.82	-1544.63
1961.09	87.71									
1	193	403	-0.94	-18.42	-0.96	-18.39	0.67	1995.09	-17.74	-17.43
1994.78	24.73									
1	193	404	1.26e-03	-4.73	-9.39e-02	-4.63	-0.66	714.84	-25.55	4.35
684.95	145.74									
1	193	405	-8.73e-02	-9.40	-2.33	-7.16	-3.98	1660.08	-523.91	521.47
614.70	1091.00									
1	193	406	5.41	-12.12	-11.52	4.81	-3.18	1217.08	-1657.84	1207.09	-
1647.85	169.17									
1	193	407	6.17	1.71	2.22	5.66	-1.42	1883.39	-971.27	515.82	
396.31	-1426.08									
1	193	408	17.73	1.40	17.56	1.57	-1.63	1257.66	-997.44	-744.05	
1004.27	-712.19									
1	193	409	22.59	1.72	22.27	2.03	-2.54	1172.92	-984.62	-983.05	
1171.36	58.04									
1	193	410	14.16	-0.41	12.56	1.19	-4.55	1379.76	-1223.06	-872.47	
1029.17	888.59									
1	193	411	4.75	-8.71	-7.98	4.02	-3.04	2173.42	-1092.30	711.36	
369.77	1623.90									
1	193	412	10.06	-28.31	-28.31	10.05	8.76e-02	1233.97	-1438.49	1136.02	-
1340.54	-502.17									
1	193	413	4.12	-5.43	-5.33	4.02	0.95	1802.30	-1085.00	-157.59	
874.90	-1348.19									
1	193	414	26.85	-1.67	26.82	-1.64	-0.95	934.82	-1797.49	-1771.50	
908.83	-265.21									
1	193	415	26.60	-2.15	26.22	-1.77	-3.27	997.74	-2060.60	-1869.49	
806.63	740.25									
1	193	416	4.28	-2.30	0.45	1.53	-3.25	1633.01	-1575.81	-540.12	
597.32	1500.23									
1	193	417	6.95	-21.06	-21.06	6.95	0.11	1005.99	-1680.92	964.11	-
1639.04	332.82									
1	193	418	5.56	-6.56	-6.05	5.04	2.44	2423.91	-1239.17	874.25	
310.48	-1809.72									
1	193	419	21.97	0.19	21.32	0.84	3.69	1432.51	-1255.37	-712.19	
889.33	-1079.33									
1	193	420	41.81	0.13	41.41	0.52	4.05	948.32	-1028.05	-969.08	
889.35	-336.28									
1	193	421	49.72	-0.51	48.93	0.29	6.26	795.71	-1096.55	-1059.10	

758.26	263.54										
1	193	422	49.02	-3.77	47.59	-2.33	8.58	820.92	-1485.81	-1205.89	
541.00	753.22										
1	193	423	32.78	-3.18	32.78	-3.17	0.44	1490.63	-2051.45	-609.50	
48.68	1740.20										
1	193	424	2.37	-10.02	-9.80	2.15	1.64	1558.98	-1897.60	1544.51	-
1883.13	223.18										
1	193	425	0.32	-6.45	-5.46	-0.67	2.38	1675.59	-540.79	624.91	
509.89	-1106.69										
1	193	426	9.83e-02	-3.16	3.54e-02	-3.09	0.45	535.53	-27.48	5.37	
502.68	-131.97										
1	193	427	-2.55e-02	-1.06	-3.33e-02	-1.05	8.97e-02	21.70	-9.03	-9.01	
21.69	0.70										
1	193	428	0.32	-1.51	-1.50	0.31	-0.12	377.91	57.58	357.98	
77.50	77.36										
1	193	429	-0.29	-5.70	-4.98	-1.01	1.84	1053.05	8.08	1048.11	
13.02	71.70										
1	193	430	-0.48	-2.38	-2.38	-0.48	5.24e-03	306.65	17.38	302.02	
22.01	-36.31										
1	193	431	13.83	-0.31	13.83	-0.31	3.30e-02	-52.64	-706.95	-704.55	-
55.04	-39.57										
1	193	432	19.16	-0.56	19.13	-0.52	-0.82	-74.16	-1019.68	-1015.19	-
78.65	65.03										
1	193	433	6.04	-0.53	5.65	-0.13	-1.56	-21.95	-827.47	-782.17	-
67.24	185.56										
1	193	434	1.13	-16.81	-16.74	1.06	-1.14	344.41	2.10	322.08	
24.43	84.52										
1	193	435	-2.51	-18.10	-18.06	-2.56	0.80	984.53	-78.80	974.48	-
68.74	-102.91										
1	193	436	-0.13	-9.14	-8.97	-0.31	-1.24	144.66	-368.54	-234.70	
10.82	-225.33										
1	193	437	17.15	-0.29	17.12	-0.26	-0.72	11.20	-1716.47	-1705.73	
0.47	-135.76										
1	193	438	18.91	-0.17	18.70	4.17e-02	-2.02	48.82	-1786.88	-1770.97	
32.91	170.16										
1	193	439	1.78	-1.19	-1.15	1.74	0.34	91.65	-644.94	-584.28	
30.99	202.48										
1	193	440	-1.52	-13.97	-13.88	-1.61	1.01	817.51	-46.64	817.42	-
46.55	8.83										
1	193	441	-1.02	-11.11	-11.11	-1.02	1.74e-02	549.56	-54.65	476.20	
18.70	-197.34										
1	193	442	13.77	-0.53	13.76	-0.52	0.30	32.33	-687.52	-600.38	-
54.81	-234.81										
1	193	443	36.38	-0.24	36.38	-0.24	-4.63e-02	-48.65	-1006.54	-990.29	-
64.90	-123.69										
1	193	444	46.95	-5.54e-02	46.95	-5.27e-02	-0.36	-43.23	-1097.88	-1097.66	-
43.45	-15.27										
1	193	445	49.45	-0.10	49.45	-9.70e-02	-0.45	6.34	-1213.80	-1207.99	
0.53	84.01										
1	193	446	32.31	1.72	32.30	1.73	0.58	171.92	-505.47	-453.97	
120.42	179.53										
1	193	447	10.09	-1.05	10.01	-0.97	-0.96	1200.50	-65.89	1198.38	-
63.77	51.74										
1	193	448	-1.16	-1.68	-1.52	-1.32	0.24	495.77	18.83	490.09	
24.51	-51.73										
1	193	449	-0.14	-0.69	-0.64	-0.19	0.16	-4.30	-46.12	-18.09	-
32.32	19.66										
1	215	13	0.76	0.41	0.41	0.76	-3.87e-03	3.10	-96.48	-20.33	-
73.05	42.24										
1	215	14	2.60e-02	-0.63	-0.52	-8.75e-02	0.25	321.21	-18.15	320.90	-
17.84	-10.27										
1	215	15	1.27	-1.62	0.23	-0.58	-1.39	1024.46	48.71	1024.13	
49.05	18.04										
1	215	16	2.52	-0.54	2.24	-0.26	0.88	348.49	-11.30	293.68	
43.51	129.30										
1	215	17	14.49	0.37	14.48	0.37	0.29	-3.32	-701.21	-674.69	-
29.84	133.43										
1	215	18	19.06	0.40	19.06	0.40	6.99e-02	-51.42	-912.18	-911.20	-
52.40	28.99										

1	215	19	12.01	0.45	12.00	0.45	-0.19	-23.40	-636.36	-624.12	-35.64-85.76
1	215	20	-0.44	-1.90	-1.86	-0.49	0.25	427.14	45.36	416.19	56.31 -63.72
1	215	21	-1.00	-3.33	-3.20	-1.13	-0.54	936.20	30.85	934.31	32.73 41.25
1	215	22	6.09	6.05e-02	6.07	8.17e-02	0.36	130.50	-153.69	-31.53	8.34 140.69
1	215	23	22.66	0.46	22.66	0.46	8.15e-02	-45.33	-938.35	-934.86	-48.8155.66
1	215	24	22.97	0.43	22.97	0.43	2.01e-02	-32.53	-895.87	-886.18	-42.22-90.94
1	215	25	11.90	2.97e-03	11.90	4.09e-03	-0.12	133.81	-164.03	-42.65	12.44 -146.35
1	215	26	7.04	-1.22	7.02	-1.20	-0.42	913.44	41.34	912.45	42.32 -29.29
1	215	27	15.16	-0.46	15.14	-0.45	0.47	354.79	33.17	322.92	65.04 96.10
1	215	28	37.12	0.30	37.12	0.30	9.09e-02	-1.83	-797.31	-773.58	-25.56135.33
1	215	29	55.21	0.29	55.21	0.29	-0.12	-45.38	-1120.16	-1118.85	-46.6937.56
1	215	30	64.76	0.29	64.76	0.29	-0.16	-41.80	-1178.06	-1175.36	-44.50-55.31
1	215	31	65.87	0.36	65.87	0.36	-0.28	-11.19	-1185.01	-1170.50	-25.70-129.67
1	215	32	52.94	0.93	52.88	0.99	-1.81	136.21	-453.48	-371.67	54.40 -203.84
1	215	33	22.88	-0.78	22.67	-0.57	2.22	1081.90	20.97	1076.91	25.96 -72.57
1	215	34	3.33	-1.51	3.30	-1.48	0.40	393.35	-4.21	393.34	-4.202.23
1	215	35	0.72	-0.78	-0.74	0.68	0.24	-1.37	-87.70	-28.72	-60.35-40.17
1	215	36	0.60	-1.34	0.46	-1.21	0.50	558.61	-34.13	-18.83	543.31 -93.99
1	215	37	4.83e-02	-8.78	-4.11	-4.62	4.41	1449.44	-558.58	453.10	437.77-1003.98
1	215	38	2.14	-15.90	-13.23	-0.53	6.41	1150.91	-1859.54	1150.27	-1858.90 -43.98
1	215	39	7.22	-2.91	1.24	3.07	4.98	1923.32	-1232.00	474.86	216.46 1572.36
1	215	40	20.57	-0.41	18.84	1.32	5.76	1224.92	-1155.88	-753.18	822.22 892.52
1	215	41	26.22	0.36	25.35	1.23	4.67	1022.46	-932.12	-919.50	1009.83 156.61
1	215	42	19.85	0.50	18.53	1.82	4.87	1191.84	-946.44	-729.62	975.03 -645.44
1	215	43	5.17	-3.50	-0.87	2.55	3.98	1965.61	-836.24	814.21	315.16-1378.52
1	215	44	4.44	-11.53	-11.41	4.32	1.36	1172.45	-1634.76	1046.63	-1508.94 580.85
1	215	45	9.68	2.35	9.57	2.46	0.89	1937.27	-1079.53	38.63	819.10 1457.05
1	215	46	28.98	0.83	28.77	1.04	2.40	1215.77	-1021.50	-954.16	1148.42 382.27
1	215	47	30.00	0.98	29.67	1.32	3.09	1269.20	-1102.84	-926.76	1093.12 -621.82
1	215	48	15.70	1.82	15.01	2.51	3.03	1956.53	-1185.09	33.53	737.91-1530.82
1	215	49	5.63	-2.62	-2.10	5.12	1.99	1125.93	-1782.85	1031.29	-1688.21 -516.08
1	215	50	15.46	3.76	15.33	3.89	-1.23	2026.82	-1126.79	706.53	193.50 1555.80
1	215	51	42.94	1.70	42.83	1.82	-2.16	1202.28	-1270.25	-884.71	816.74 897.01
1	215	52	59.50	0.98	59.16	1.33	-4.45	870.88	-1135.51	-1110.45	845.82 222.83
1	215	53	66.75	-9.23e-02	65.66	0.99	-8.44	787.65	-1211.62	-1156.50	

732.53	-327.35									
1	215	54	64.34	-2.77	62.35	-0.78	-11.40	848.43	-1512.92	-1203.97
539.48	-796.30									
1	215	55	38.95	-2.05	38.92	-2.02	-1.01	1607.88	-2056.69	-522.62
73.81	-1807.85									
1	215	56	3.66	-0.46	3.66	-0.46	-9.78e-05	1367.74	-2099.46	1337.28
2069.00	-323.57									
1	215	57	3.87	-6.83	-6.76	3.80	-0.86	1449.26	-563.39	515.92
369.96	1003.67									
1	215	58	1.37	0.13	1.23	0.27	-0.39	446.17	-37.40	-16.00
424.77	99.44									
1	215	59	-0.76	-21.72	-0.85	-21.63	-1.36	2434.50	72.09	73.75
2432.84	62.62									
1	215	60	2.86	-32.47	1.18	-30.79	7.52	2430.07	-1897.46	-1873.56
2406.17	320.70									
1	215	61	12.76	-18.43	-2.96	-2.70	15.59	1.085e+04	9611.72	9883.26
1.058e+04	511.79									
1	215	62	12.42	-4.25	3.90	4.26	8.34	4534.80	-495.96	-364.42
4403.26	802.77									
1	215	63	16.17	0.54	7.22	9.49	7.73	2783.81	-1414.32	-1287.70
2657.18	718.02									
1	215	64	18.03	2.64	10.31	10.36	7.69	2453.58	-1618.05	-1583.07
2418.60	375.78									
1	215	65	16.81	1.45	10.61	7.64	7.54	3341.50	-1275.76	-1275.51
3341.25	34.43									
1	215	66	14.15	-0.53	11.00	2.63	6.03	6336.94	196.88	197.22
6336.60	-45.79									
1	215	67	14.74	-1.54	13.08	0.12	4.93	1.294e+04	1.029e+04	1.033e+04
1.291e+04	305.42									
1	215	68	14.44	2.92	13.68	3.68	2.86	4838.61	-1267.60	-1243.23
4814.24	385.00									
1	215	69	18.18	6.88	16.98	8.08	3.47	2992.92	-1672.42	-1668.13
2988.63	141.40									
1	215	70	20.38	6.59	18.68	8.28	4.53	3214.77	-1580.60	-1565.01
3199.18	-273.02									
1	215	71	19.61	4.12	18.55	5.17	3.90	5011.18	-1221.95	-1191.48
4980.71	-434.76									
1	215	72	23.52	1.10	23.27	1.36	2.36	1.325e+04	1.066e+04	1.070e+04
1.322e+04	-299.78									
1	215	73	26.22	4.54	26.10	4.66	-1.60	6236.32	119.65	120.95
6235.01	89.31									
1	215	74	31.11	9.90	30.18	10.83	-4.34	2989.49	-1349.40	-1348.72
2988.81	54.44									
1	215	75	36.74	11.85	34.06	14.54	-7.72	1663.15	-1734.89	-1716.82
1645.08	-247.14									
1	215	76	41.12	8.37	34.01	15.48	-13.50	1195.64	-1830.65	-1713.09
1078.08	-584.78									
1	215	77	41.99	-0.98	29.58	11.43	-19.47	1265.52	-1824.33	-1603.71
1044.89	-795.63									
1	215	78	28.41	-21.08	26.22	-18.89	-10.19	2199.88	-3106.68	-2970.79
2064.00	-838.22									
1	215	79	5.32	-3.17	5.01	-2.86	-1.59	1.102e+04	9925.39	1.075e+04
1.020e+04	-474.27									
1	215	80	3.91	-26.03	3.66	-25.78	-2.70	1968.66	-1694.63	-1686.23
1960.25	-175.29									
1	215	81	-1.05	-20.12	-1.05	-20.12	0.14	2016.20	48.06	48.85
2015.41	-39.36									
1	215	82	9.65	-7.23	-0.67	3.09	8.22	3135.51	-497.27	2631.37
6.87	1255.90									
1	215	83	14.73	1.15	13.86	2.02	3.34	2772.41	1072.42	2665.56
1179.26	412.58									
1	215	84	22.58	5.58	22.46	5.70	-1.42	2924.61	1012.00	2800.38
1136.22	-471.34									
1	215	85	12.67	-5.51	4.81	2.35	9.01	3060.86	-998.68	3005.23
943.05	-471.94									
1	215	86	-0.11	-16.93	-0.11	-16.93	7.33e-02	653.60	-68.35	18.28
566.97	234.60									
1	215	87	3.43	-11.99	-0.99	-7.57	6.97	2537.30	-1969.81	80.90
486.60	2244.41									

1	215	88	14.48	5.88e-02	5.39	9.15	6.96	1525.17	729.06	806.34	
1447.90	-235.68										
1	215	89	15.97	3.67	8.75	10.88	6.06	1287.87	-1310.97	-1287.53	
1264.43	245.69										
1	215	90	15.92	4.31	10.44	9.79	5.80	1306.60	-1887.57	-1756.27	
1175.30	634.14										
1	215	91	16.34	2.22	12.11	6.45	6.47	1997.86	-1570.30	-1179.35	
1606.91	1114.51										
1	215	92	15.84	1.05	13.53	3.37	5.37	3181.59	-100.70	1130.47	
1950.42	1589.11										
1	215	93	16.39	3.85	15.77	4.47	2.71	2758.56	-338.44	257.95	
2162.18	-1221.20										
1	215	94	17.58	6.25	16.97	6.86	2.56	1590.85	-1691.52	-1669.60	
1568.92	-267.39										
1	215	95	19.19	5.93	18.59	6.54	2.76	1687.66	-1563.59	-1527.23	
1651.29	341.93										
1	215	96	20.71	4.78	20.52	4.96	1.72	2818.31	-234.53	369.55	
2214.22	1216.24										
1	215	97	25.44	7.20	25.03	7.61	-2.70	3310.19	-262.28	1148.26	
1899.65	-1746.28										
1	215	98	28.03	10.85	26.24	12.64	-5.25	1908.44	-1813.46	-1272.35	
1367.33	-1311.93										
1	215	99	29.53	13.59	25.04	18.08	-7.17	962.39	-2318.13	-1992.70	
636.96	-980.65										
1	215	100	30.98	11.54	22.16	20.36	-9.68	582.83	-2259.02	-1968.77	
292.58	-860.58										
1	215	101	31.54	3.09	18.26	16.38	-14.19	486.25	-1689.26	-1478.30	
275.29	-643.77										
1	215	102	14.24	6.43	13.73	6.94	-1.93	458.79	-624.25	-376.61	
211.15	454.84										
1	215	103	-0.52	-7.50	-0.78	-7.25	1.30	2110.94	-1358.23	435.63	
317.08	-1733.57										
1	215	104	-0.21	-19.19	-0.22	-19.18	0.40	386.43	-60.82	8.62	
316.98	-161.98										
1	215	105	17.00	-0.27	-0.26	16.99	0.34	15.71	-964.49	-23.72	-
925.05	192.60										
1	215	106	21.64	-0.64	0.17	20.83	4.19	1341.83	-2031.75	214.19	-
904.11	1591.42										
1	215	107	14.45	2.33	5.82	10.97	5.48	1128.00	-2238.27	300.53	-
1410.80	1449.40										
1	215	108	14.28	7.23	10.14	11.38	3.47	-127.96	-1620.06	-366.61	-
1381.41	546.94										
1	215	109	15.53	7.60	12.76	10.37	3.78	-970.47	-1716.06	-1411.03	-
1275.51	366.59										
1	215	110	16.73	6.24	13.89	9.08	4.66	-837.90	-2224.79	-1757.69	-
1305.00	655.47										
1	215	111	16.78	4.01	14.25	6.54	5.09	-379.04	-2354.34	-1276.12	-
1457.26	983.49										
1	215	112	16.42	2.03	14.82	3.63	4.53	192.46	-2152.17	-203.06	-
1756.65	878.02										
1	215	113	15.33	2.46	14.59	3.21	3.00	108.65	-1969.14	105.35	-
1965.85	82.69										
1	215	114	16.53	4.20	16.18	4.55	2.03	-397.48	-1813.96	-587.55	-
1623.89	-482.80										
1	215	115	17.77	6.64	17.55	6.87	1.57	-1173.26	-1738.74	-1585.19	-
1326.81	-251.50										
1	215	116	18.86	6.90	18.73	7.04	1.26	-1098.33	-1730.88	-1482.57	-
1346.64	308.89										
1	215	117	19.69	5.46	19.69	5.46	8.07e-02	-381.56	-1780.03	-535.26	-
1626.33	437.41										
1	215	118	20.50	5.23	20.11	5.62	-2.41	159.15	-1980.16	144.81	-
1965.82	-174.55										
1	215	119	24.15	7.70	22.87	8.97	-4.40	284.11	-2277.50	-253.46	-
1739.93	-1043.10										
1	215	120	26.88	11.70	24.66	13.93	-5.37	-189.98	-2692.75	-1456.56	-
1426.17	-1251.29										
1	215	121	28.19	15.68	25.11	18.76	-5.39	-516.17	-2844.14	-2116.78	-
1243.53	-1078.99										
1	215	122	27.52	17.19	22.10	22.61	-5.16	-527.28	-2617.77	-2066.44	-

1078.61	-921.19										
1	215	123	29.55	9.44	15.28	23.71	-9.13	-322.85	-1884.77	-1305.49	-
902.13	-754.47										
1	215	124	27.61	5.70	6.65	26.65	4.47	309.84	-989.85	194.30	-
874.30	-369.89										
1	215	125	24.11	-5.37	3.58	15.16	13.55	1232.43	-1238.42	1083.01	-
1089.00	-588.97										
1	215	126	14.64	-0.25	0.61	13.78	3.47	889.55	-1159.32	408.14	-
677.92	-868.67										
1	215	127	7.35	0.23	0.24	7.34	-0.17	2.84	-723.96	-13.87	-
707.25	-108.94										
1	215	128	51.78	1.27	1.27	51.78	-5.56e-02	-16.67	-1533.59	-26.47	-
1523.79	121.52										
1	215	129	45.44	-4.78	-4.67	45.34	2.27	614.44	-1885.23	285.11	-
1555.89	845.44										
1	215	130	23.95	5.35	12.35	16.95	9.01	-403.74	-3251.12	-720.60	-
2934.25	895.45										
1	215	131	20.33	7.18	16.97	10.54	5.73	-1232.58	-3803.73	-1366.01	-
3670.30	570.33										
1	215	132	21.78	6.83	20.17	8.45	4.64	-1765.97	-3920.02	-1857.87	-
3828.12	435.33										
1	215	133	21.93	6.02	20.93	7.01	3.86	-1898.23	-4108.78	-2013.43	-
3993.58	491.32										
1	215	134	18.07	5.22	17.23	6.05	3.17	-1614.70	-4496.52	-1733.06	-
4378.17	571.90										
1	215	135	12.91	4.66	11.98	5.59	2.61	-1217.31	-4903.59	-1282.85	-
4838.05	487.14										
1	215	136	11.79	4.68	11.04	5.42	2.18	-1125.98	-5012.82	-1136.55	-
5002.26	202.37										
1	215	137	15.38	5.21	15.05	5.54	1.80	-1419.39	-4710.63	-1420.20	-
4709.83	-51.58										
1	215	138	20.87	5.88	20.79	5.96	1.10	-1837.17	-4300.06	-1839.05	-
4298.18	-68.08										
1	215	139	21.35	6.52	21.35	6.52	0.15	-1803.81	-4365.91	-1804.96	-
4364.76	54.19										
1	215	140	17.35	7.47	17.27	7.55	-0.89	-1415.36	-4742.71	-1415.45	-
4742.61	17.75										
1	215	141	14.69	8.58	13.93	9.34	-2.02	-1130.91	-4999.90	-1147.62	-
4983.20	-253.71										
1	215	142	18.80	10.19	17.59	11.40	-2.99	-1301.41	-4832.79	-1397.12	-
4737.09	-573.42										
1	215	143	27.06	12.44	25.95	13.55	-3.88	-1771.27	-4328.16	-1987.33	-
4112.10	-711.16										
1	215	144	34.27	14.57	32.95	15.90	-4.94	-2062.62	-3794.26	-2414.00	-
3442.88	-696.42										
1	215	145	36.04	16.59	33.64	18.99	-6.40	-1874.08	-3278.74	-2310.37	-
2842.44	-649.99										
1	215	146	32.90	12.34	18.55	26.69	-9.45	-1057.96	-2465.16	-1371.56	-
2151.56	-585.62										
1	215	147	49.87	-12.76	-12.48	49.59	4.23	461.56	-1469.13	388.73	-
1396.30	-367.85										
1	215	148	30.78	-0.56	3.44	26.78	10.47	787.62	-1160.48	697.09	-
1069.95	-410.09										
1	215	149	27.12	0.17	0.63	26.66	3.49	544.64	-876.90	393.12	-
725.38	-438.67										
1	215	150	22.51	0.14	0.14	22.51	8.55e-02	-20.26	-791.56	-24.61	-
787.21	-57.76										
1	215	151	37.97	-0.28	-0.28	37.97	-3.21e-02	-36.05	-1119.38	-36.96	-
1118.48	31.30										
1	215	152	39.52	0.27	1.05	38.73	5.50	280.14	-1093.70	260.85	-
1074.41	161.67										
1	215	153	26.64	4.47	9.49	21.62	9.28	-484.77	-1755.62	-515.79	-
1724.59	196.12										
1	215	154	22.87	5.11	14.02	13.96	8.88	-1027.16	-2278.90	-1132.43	-
2173.63	347.41										
1	215	155	19.90	7.22	15.23	11.90	6.11	-1491.77	-2533.15	-1630.76	-
2394.16	354.15										
1	215	156	17.24	8.74	15.57	10.41	3.37	-1699.88	-2660.95	-1761.81	-
2599.02	235.96										

1	215	157	15.91	7.29	15.68	7.52	1.38	-1442.98	-2928.92	-1456.15	-
2915.75	139.27										
1	215	158	15.97	4.33	15.91	4.39	0.83	-1016.83	-3250.14	-1029.82	-
3237.14	169.89										
1	215	159	16.38	3.39	16.25	3.52	1.29	-903.99	-3369.71	-934.42	-
3339.28	272.22										
1	215	160	17.10	5.04	16.85	5.29	1.72	-1209.90	-3226.02	-1251.15	-
3184.77	285.43										
1	215	161	17.80	7.91	17.73	7.98	0.84	-1660.53	-2972.67	-1667.37	-
2965.84	94.44										
1	215	162	18.40	8.49	18.35	8.54	-0.75	-1597.52	-3005.75	-1617.83	-
2985.44	-167.89										
1	215	163	18.88	7.29	18.69	7.49	-1.49	-1183.28	-3219.80	-1226.70	-
3176.37	-294.21										
1	215	164	19.54	7.24	19.36	7.42	-1.49	-914.73	-3320.72	-942.59	-
3292.86	-257.40										
1	215	165	20.52	10.24	20.34	10.42	-1.37	-1135.88	-3112.50	-1143.93	-
3104.45	-125.91										
1	215	166	22.33	14.87	21.51	15.69	-2.32	-1721.19	-2640.54	-1725.80	-
2635.93	-64.98										
1	215	167	26.38	16.68	22.00	21.06	-4.83	-1995.20	-2277.61	-2183.51	-
2089.30	-133.12										
1	215	168	31.43	14.37	19.89	25.91	-7.98	-1487.61	-2157.08	-2056.69	-
1588.00	-239.02										
1	215	169	34.72	10.29	13.39	31.62	-8.13	-849.18	-1436.51	-1106.35	-
1179.34	-291.39										
1	215	170	38.18	4.67	4.68	38.17	-0.56	654.52	-965.97	590.99	-
902.43	-314.52										
1	215	171	30.31	2.80	4.59	28.51	6.80	727.84	-1021.11	702.14	-
995.41	-210.46										
1	215	172	31.47	0.33	0.87	30.93	4.05	402.69	-729.00	399.59	-
725.91	-59.09										
1	215	173	27.17	0.12	0.12	27.17	2.75e-02	-23.45	-787.99	-23.59	-
787.86	-10.00										
1	215	174	23.56	-1.74e-02	-1.69e-02	23.56	-0.11	-6.34	-724.25	-6.52	-
724.07	-11.47										
1	215	175	26.74	-0.34	-0.33	26.74	-0.21	166.92	-773.91	119.76	-
726.75	-205.29										
1	215	176	18.22	5.16	6.25	17.13	3.61	-8.90	-1032.91	-11.97	-
1029.85	-55.92										
1	215	177	18.51	5.82	9.61	14.72	5.81	-464.44	-1276.07	-680.38	-
1060.13	358.66										
1	215	178	18.25	8.36	12.34	14.27	4.85	-826.93	-1707.94	-1523.11	-
1011.77	358.72										
1	215	179	16.14	10.64	13.97	12.81	2.69	-1078.92	-1769.49	-1768.00	-
1080.40	31.96										
1	215	180	14.82	8.82	14.74	8.90	0.67	-1002.04	-1535.14	-1226.13	-
1311.05	-263.15										
1	215	181	15.88	4.00	15.88	4.00	0.10	-406.21	-1652.00	-416.02	-
1642.19	-110.13										
1	215	182	16.58	2.54	16.54	2.57	0.72	-211.90	-1829.58	-296.71	-
1744.77	360.56										
1	215	183	17.24	5.29	17.12	5.41	1.22	-632.30	-1907.79	-1003.44	-
1536.66	579.34										
1	215	184	18.35	9.05	18.34	9.06	0.25	-1276.76	-1873.49	-1778.85	-
1371.40	217.99										
1	215	185	18.66	9.53	18.55	9.63	-0.97	-1168.05	-1884.33	-1674.91	-
1377.46	-325.80										
1	215	186	18.53	7.41	18.13	7.82	-2.08	-572.44	-1875.78	-922.59	-
1525.63	-577.72										
1	215	187	18.83	6.71	18.58	6.95	-1.70	-187.89	-1777.61	-245.47	-
1720.02	-297.03										
1	215	188	19.28	10.02	18.86	10.45	-1.94	-423.27	-1639.22	-476.07	-
1586.42	247.80										
1	215	189	20.40	15.32	18.59	17.13	-2.43	-843.66	-1826.84	-1457.11	-
1213.39	476.24										
1	215	190	25.24	16.23	18.39	23.07	-3.85	-858.18	-2250.63	-2197.65	-
911.16	266.39										
1	215	191	28.05	14.98	16.57	26.47	-4.27	-696.88	-2136.33	-2134.54	-

698.67-50.73											
	1	215	192	27.93	12.77	13.13	27.57	-2.31	-388.80	-1349.61	-1175.24
563.17-370.32											
	1	215	193	32.71	6.74	7.02	32.43	2.68	832.38	-995.67	536.52
699.80-673.29											
	1	215	194	26.02	4.04	6.74	23.32	7.22	1376.72	-1052.16	1365.01
1040.45-168.25											
	1	215	195	28.30	-0.38	0.89	27.02	5.91	573.17	-829.66	456.38
712.88387.54											
	1	215	196	23.36	0.10	0.10	23.36	3.64e-02	-12.29	-744.14	-14.75
741.6842.37											
	1	215	197	7.56	0.79	0.82	7.53	0.44	119.39	49.12	56.09
112.42 -21.00											
	1	215	198	12.45	-5.79	-5.74	12.39	-1.02	492.40	-493.24	-60.83
59.99 -489.10											
	1	215	199	8.20	3.27	3.50	7.97	-1.04	1083.29	-246.45	1083.10
246.26-15.94											
	1	215	200	14.51	3.66	3.72	14.45	0.84	964.78	-662.35	-93.49
395.92 775.89											
	1	215	201	15.24	13.75	13.76	15.23	0.10	406.29	-1795.08	-1681.31
292.51 487.36											
	1	215	202	19.26	12.95	18.69	13.51	1.80	239.79	-2113.47	-2113.26
239.58 -22.26											
	1	215	203	15.92	9.57	14.79	10.69	2.42	672.54	-1421.34	-1244.06
495.26 -582.90											
	1	215	204	10.25	4.59	10.25	4.60	-0.19	1360.87	-93.85	861.37
405.65 -690.75											
	1	215	205	13.64	0.19	13.54	0.28	-1.10	1187.10	-442.87	813.54
69.31685.08											
	1	215	206	15.34	6.50	14.57	7.27	-2.49	832.88	-1285.97	-868.98
415.88 842.41											
	1	215	207	24.87	8.19	24.70	8.36	-1.68	79.18	-2192.18	-2157.09
44.09 280.13											
	1	215	208	23.86	9.22	23.71	9.37	1.47	177.04	-2063.87	-1989.21
102.37 -402.16											
	1	215	209	14.31	9.80	13.89	10.22	1.31	917.84	-1167.93	-713.91
463.82 -860.72											
	1	215	210	14.17	4.58	14.17	4.59	-0.29	1266.96	-338.05	989.40
60.48-607.00											
	1	215	211	13.32	9.13	11.39	11.05	-2.09	1490.64	-246.78	856.02
387.84 836.57											
	1	215	212	23.26	12.62	17.02	18.86	-5.24	638.22	-1711.87	-1412.62
338.98 783.40											
	1	215	213	26.91	18.30	22.84	22.36	-4.30	-56.41	-2558.21	-2513.90
100.72329.98											
	1	215	214	24.63	20.79	20.80	24.62	-0.19	-253.17	-2513.88	-2512.33
254.72-59.14											
	1	215	215	24.98	13.02	13.80	24.21	2.95	69.26	-1803.16	-1676.04
57.85-471.01											
	1	215	216	19.26	5.04	8.51	15.80	6.11	1962.76	-1422.27	297.27
243.21-1692.30											
	1	215	217	22.00	-3.97	-0.15	18.18	9.20	3582.92	-1169.32	3582.85
1169.25 -18.28											
	1	215	218	13.96	0.22	1.41	12.77	3.86	1631.40	-798.74	438.27
394.39 1214.87											
	1	215	219	12.77	0.12	0.14	12.75	0.41	325.26	-15.39	14.59
295.27 96.52											
	1	215	220	-1.97	-12.65	-1.98	-12.64	-0.27	1737.43	-89.73	-89.49
1737.18 20.96											
	1	215	221	14.56	-20.86	14.56	-20.86	-0.32	1837.12	-516.15	-506.98
1827.94 146.67											
	1	215	222	21.79	-50.80	-50.80	21.79	-0.12	4966.60	4318.92	4373.03
4912.49 179.21											
	1	215	223	15.62	2.02	2.08	15.56	-0.85	2071.03	-248.28	-235.37
2058.12 172.57											
	1	215	224	33.56	6.88	33.49	6.95	-1.41	445.65	-2154.33	-2144.10
435.41 162.80											
	1	215	225	45.34	2.51	45.30	2.55	-1.32	160.74	-2577.00	-2568.87
152.61 148.99											

1	215	226	32.30	4.24	32.26	4.27	-0.97	1113.17	-1784.69	-1778.71	
1107.19	131.52										
1	215	227	12.66	-15.32	-15.29	12.63	-0.93	4075.14	1502.63	1507.33	
4070.44	109.83										
1	215	228	17.42	-42.61	-42.60	17.40	-1.01	6094.21	4812.39	4819.29	
6087.31	93.76										
1	215	229	27.38	4.01	27.36	4.03	-0.60	1533.06	-1229.07	-1227.88	
1531.87	57.39										
1	215	230	49.59	-1.23	49.58	-1.23	-0.59	65.26	-2700.98	-2700.80	
65.08	22.22										
1	215	231	46.21	0.54	46.21	0.54	-0.21	259.00	-2513.49	-2513.42	
258.94	-13.54										
1	215	232	25.17	7.16	25.17	7.16	-0.15	1730.78	-1016.71	-1016.03	
1730.10	-43.05										
1	215	233	23.72	-46.05	-46.05	23.72	8.07e-02	6276.87	5086.35	5091.38	
6271.85	-77.18										
1	215	234	19.79	-15.06	-15.06	19.79	0.18	3995.44	1468.45	1471.81	
3992.08	-92.10										
1	215	235	32.13	12.79	32.13	12.80	0.26	812.48	-1913.72	-1909.34	
808.10	-109.17										
1	215	236	46.31	12.03	46.30	12.04	0.63	-523.48	-2935.42	-2929.46	-
529.44	-119.78										
1	215	237	42.21	14.67	42.19	14.70	0.81	-896.02	-2934.82	-2927.21	-
903.63	-124.32										
1	215	238	19.12	18.06	18.95	18.23	0.39	-502.46	-2126.38	-2117.10	-
511.74	-122.40										
1	215	239	15.17	-14.27	-14.03	14.92	2.69	1122.31	-2475.06	-2472.40	
1119.65	-97.79										
1	215	240	22.90	-10.22	-9.26	21.95	5.55	1.180e+04	9760.64	1.180e+04	
9764.95	-93.61										
1	215	241	2.63	-3.81	2.19	-3.38	1.62	1500.46	-1408.42	-1406.42	
1498.47	-76.14										
1	215	242	3.28	-0.64	-0.63	3.27	-0.21	1631.29	24.13	24.20	
1631.23	-10.25										
1	215	243	8.67	0.78	0.80	8.65	-0.39	139.61	10.19	56.08	
93.72	61.91										
1	215	244	13.87	-5.79	-5.69	13.76	1.41	786.37	-797.68	-52.16	
40.85	790.66										
1	215	245	8.39	3.51	3.61	8.30	0.66	1166.62	-366.34	1072.54	-
272.25	367.94										
1	215	246	14.81	3.20	4.14	13.87	-3.16	615.78	-374.21	-117.98	
359.56	-433.60										
1	215	247	17.37	11.06	13.87	14.57	-3.13	261.78	-1731.41	-1717.74	
248.11	-164.50										
1	215	248	21.14	10.39	18.78	12.75	-4.45	230.26	-2203.36	-2160.90	
187.81	318.62										
1	215	249	17.30	6.84	14.91	9.23	-4.39	779.41	-1645.70	-1302.58	
436.29	845.20										
1	215	250	10.72	1.83	10.58	1.97	-1.11	1505.68	-363.87	786.99	
354.82	909.45										
1	215	251	13.49	-2.11	13.37	-1.99	-1.35	984.22	-365.35	760.35	-
141.48	-502.00										
1	215	252	14.09	5.42	14.06	5.45	0.54	676.91	-1279.69	-957.45	
354.67	-725.72										
1	215	253	23.95	7.11	23.95	7.11	0.30	15.34	-2267.02	-2242.82	-
8.85	-233.75										
1	215	254	23.19	7.86	22.98	8.07	-1.77	116.84	-2137.94	-2073.53	
52.43	375.62										
1	215	255	13.46	8.23	13.23	8.46	-1.06	789.60	-1176.81	-798.97	
411.76	774.74										
1	215	256	13.91	1.93	13.78	2.06	1.23	1107.84	-288.73	938.94	-
119.83	455.36										
1	215	257	11.98	7.46	11.20	8.25	1.71	1615.95	-469.11	794.15	
352.68	-1018.89										
1	215	258	22.33	11.21	16.39	17.15	5.54	753.92	-1906.98	-1453.18	
300.12	-1000.80										
1	215	259	27.37	16.18	22.16	21.38	5.58	-1.91	-2663.39	-2536.33	-
128.97	-567.48										
1	215	260	24.87	19.14	19.98	24.03	2.03	-255.45	-2529.34	-2514.24	-
270.56	-184.70										

1	215	261	23.70	12.42	12.43	23.69	-0.33	-26.09	-1686.36	-1652.05	-60.40236.18
1	215	262	15.15	7.68	7.74	15.09	0.62	1774.51	-1185.36	344.87	244.28 1479.08
1	215	263	18.35	-0.73	-0.73	18.34	-0.33	3593.42	-1186.14	3588.41	-1181.12-154.75
1	215	264	13.98	1.07	1.08	13.97	0.22	1779.15	-951.95	443.63	383.57-1365.22
1	215	265	13.93	3.67e-02	3.73e-02	13.93	-9.44e-02	328.28	-29.27	14.38	284.64 -117.05
1	215	266	28.15	-4.15e-02	-4.11e-02	28.15	0.10	-3.84	-762.97	-7.38	-759.4451.67
1	215	267	30.58	-0.28	-0.28	30.58	0.19	360.36	-983.50	136.57	-759.70500.67
1	215	268	20.13	5.17	6.68	18.61	-4.51	79.15	-1219.25	-47.93	-1092.17 385.81
1	215	269	20.94	4.19	10.22	14.92	-8.04	-732.73	-1140.20	-734.25	-1138.69 -24.81
1	215	270	20.81	5.54	12.83	13.53	-7.63	-1107.45	-1601.44	-1597.58	-1111.32-43.54
1	215	271	18.31	7.35	14.32	11.33	-5.27	-1108.99	-1951.58	-1863.82	-1196.74 257.37
1	215	272	15.84	5.86	14.99	6.71	-2.79	-869.65	-1914.07	-1343.64	-1440.07 519.98
1	215	273	16.28	0.98	16.06	1.21	-1.85	-503.65	-1855.61	-589.37	-1769.90 329.44
1	215	274	16.52	-1.04	16.16	-0.68	-2.50	-358.01	-1889.12	-358.41	-1888.72 -24.73
1	215	275	17.10	2.01	16.50	2.60	-2.95	-870.53	-1943.69	-1150.89	-1663.33 -471.45
1	215	276	17.56	6.69	17.38	6.87	-1.38	-1434.93	-2007.35	-1954.61	-1487.67 -165.56
1	215	277	17.49	7.41	17.46	7.45	0.57	-1317.12	-2018.59	-1849.38	-1486.33 300.10
1	215	278	17.49	4.73	17.12	5.10	2.13	-769.47	-1928.39	-1065.04	-1632.82 505.15
1	215	279	18.15	3.83	17.84	4.14	2.08	-322.13	-1825.63	-322.20	-1825.56 -9.91
1	215	280	18.52	6.85	18.14	7.23	2.05	-474.06	-1830.87	-626.37	-1678.56-428.32
1	215	281	19.55	12.58	17.66	14.47	3.10	-723.74	-2117.40	-1538.96	-1302.18-686.70
1	215	282	24.75	13.62	17.31	21.06	5.24	-811.66	-2414.07	-2242.88	-982.85-494.99
1	215	283	28.20	12.29	15.39	25.10	6.31	-725.60	-2165.16	-2141.38	-749.38-183.49
1	215	284	28.10	10.70	12.05	26.75	4.65	-557.20	-1171.79	-1137.42	-591.58141.22
1	215	285	33.15	5.17	6.04	32.28	4.87	746.35	-843.20	603.41	-700.26454.73
1	215	286	25.67	5.78	6.46	24.99	3.62	1381.61	-1050.05	1379.99	-1048.43 62.69
1	215	287	30.81	0.96	0.96	30.81	-0.49	690.64	-927.78	482.80	-719.94-541.46
1	215	288	27.80	0.15	0.15	27.80	7.85e-02	-9.86	-752.89	-15.18	-747.57-62.63
1	215	289	45.48	-0.32	-0.32	45.48	-2.32e-02	-39.00	-1172.42	-39.03	-1172.396.56
1	215	290	46.14	0.19	0.93	45.40	-5.78	289.26	-1132.70	280.09	-1123.52113.85
1	215	291	30.24	4.58	9.92	24.90	-10.42	-535.84	-1826.32	-548.30	-1813.86 126.20
1	215	292	26.02	3.57	14.77	14.83	-11.22	-1207.46	-2298.41	-1208.48	-2297.39 -33.32
1	215	293	22.60	4.34	16.03	10.91	-8.76	-1738.98	-2556.86	-1742.89	-2552.95 -56.41
1	215	294	19.12	5.22	16.11	8.23	-5.72	-1902.43	-2788.73	-1904.28	-2786.88 40.45
1	215	295	16.76	3.71	15.88	4.59	-3.28	-1621.03	-3130.19	-1629.36	-

3121.86 111.78											
1	215	296	16.17	0.67	15.79	1.05	-2.40	-1231.14	-3451.56	-1232.35	-
3450.36 51.64											
1	215	297	16.22	-0.38	15.75	9.15e-02	-2.75	-1166.74	-3552.72	-1170.51	-
3548.95 -94.79											
1	215	298	16.68	1.37	16.07	1.99	-3.01	-1492.82	-3398.43	-1504.63	-
3386.61-149.58											
1	215	299	16.83	4.73	16.58	4.98	-1.71	-1938.28	-3152.95	-1939.18	-
3152.06 -32.94											
1	215	300	17.01	5.58	17.00	5.59	0.40	-1871.70	-3175.92	-1888.49	-
3159.13147.03											
1	215	301	17.47	4.10	17.32	4.25	1.42	-1456.07	-3366.88	-1478.25	-
3344.70 204.69											
1	215	302	18.15	3.62	17.97	3.80	1.61	-1158.81	-3461.97	-1165.27	-
3455.51 121.85											
1	215	303	19.18	6.36	18.96	6.58	1.69	-1313.64	-3266.00	-1315.18	-
3264.45 -54.94											
1	215	304	21.12	10.96	20.04	12.05	3.14	-1826.40	-2803.49	-1846.40	-
2783.50-138.33											
1	215	305	25.68	12.79	20.43	18.04	6.33	-2148.73	-2316.51	-2250.70	-
2214.54 -81.92											
1	215	306	31.44	10.67	18.25	23.86	10.00	-1680.77	-2071.73	-2070.55	-
1681.95 21.41											
1	215	307	35.06	7.53	11.99	30.60	10.15	-1030.94	-1267.94	-1062.04	-
1236.84 80.02											
1	215	308	40.60	2.32	3.74	39.18	7.23	718.71	-924.83	709.77	-
915.88120.92											
1	215	309	32.15	3.85	4.29	31.71	3.51	754.46	-1000.77	753.79	-
1000.10 34.33											
1	215	310	36.84	0.92	0.93	36.82	0.74	417.19	-735.37	411.39	-
729.57-81.56											
1	215	311	34.77	0.13	0.13	34.77	6.12e-02	-23.63	-795.26	-23.74	-
795.15-9.28											
1	215	312	63.89	1.38	1.38	63.89	-1.82e-02	-22.78	-1606.54	-27.68	-
1601.64 -88.02											
1	215	313	55.35	-5.30	-5.13	55.18	-3.21	481.40	-1800.01	308.08	-
1626.69-604.46											
1	215	314	28.17	6.15	12.59	21.73	-10.02	-605.00	-3187.76	-753.37	-
3039.39-600.98											
1	215	315	23.08	6.68	18.26	11.50	-7.47	-1432.37	-3873.43	-1467.63	-
3838.17 -291.25											
1	215	316	23.54	4.56	21.21	6.89	-6.23	-1989.51	-4070.80	-2003.45	-
4056.86-169.77											
1	215	317	22.66	2.72	21.35	4.03	-4.93	-2168.44	-4294.61	-2195.06	-
4267.99-236.38											
1	215	318	17.87	1.55	16.97	2.45	-3.72	-1912.24	-4718.80	-1951.43	-
4679.61-329.32											
1	215	319	11.99	0.98	11.15	1.83	-2.93	-1521.60	-5168.50	-1540.49	-
5149.61 -261.77											
1	215	320	10.60	0.92	9.89	1.63	-2.54	-1434.69	-5308.84	-1434.69	-
5308.84 -3.50											
1	215	321	14.22	1.35	13.82	1.75	-2.24	-1746.09	-5010.85	-1759.51	-
4997.42 208.94											
1	215	322	19.67	2.11	19.54	2.24	-1.49	-2205.27	-4564.16	-2214.72	-
4554.70 149.02											
1	215	323	19.93	2.87	19.92	2.88	-0.52	-2181.88	-4602.20	-2183.93	-
4600.14 -70.48											
1	215	324	15.50	3.83	15.49	3.84	0.34	-1758.66	-4979.96	-1762.67	-
4975.95 -113.57											
1	215	325	12.01	5.08	11.79	5.30	1.22	-1434.75	-5225.22	-1437.40	-
5222.57 100.19											
1	215	326	15.75	6.38	15.20	6.93	2.20	-1572.99	-5022.36	-1617.31	-
4978.04 388.48											
1	215	327	24.26	8.15	23.43	8.98	3.56	-2021.51	-4454.69	-2136.48	-
4339.72 516.25											
1	215	328	31.88	10.42	30.45	11.85	5.35	-2307.13	-3827.68	-2497.11	-
3637.71 502.77											
1	215	329	34.30	13.16	31.21	16.24	7.46	-2092.13	-3225.23	-2329.65	-
2987.71 461.21											

1	215	330	32.68	9.22	15.74	26.16	10.51	-1165.44	-2386.18	-1316.39	-2235.22
401.86											
1	215	331	52.10	-14.60	-14.52	52.03	2.28	551.56	-1444.67	528.22	-1421.33
214.59											
1	215	332	31.49	2.94	2.97	31.46	-0.80	788.72	-1114.79	754.86	-1080.93
251.59											
1	215	333	34.56	0.69	0.72	34.52	1.05	485.76	-808.99	410.08	-733.30
303.74											
1	215	334	32.55	0.16	0.16	32.55	1.33e-03	-23.28	-801.12	-25.28	-799.12
39.36											
1	215	335	30.34	-0.30	-0.30	30.34	-0.24	-0.15	-1042.25	-26.82	-1015.58
-164.59											
1	215	336	32.72	-0.32	0.32	32.09	-4.54	1146.17	-1868.49	262.25	-984.56
-1372.38											
1	215	337	19.77	3.75	7.08	16.44	-6.50	836.53	-2156.45	239.77	-1559.69
-1195.81											
1	215	338	15.96	7.37	11.20	12.12	-4.27	-414.60	-1703.86	-500.21	-1618.25
-321.00											
1	215	339	15.61	5.85	13.41	8.05	-4.08	-1438.69	-1726.84	-1577.37	-1588.16
-143.98											
1	215	340	15.49	3.45	13.76	5.18	-4.22	-1364.24	-2264.49	-1960.12	-1668.61
-425.87											
1	215	341	14.51	0.92	13.19	2.24	-4.03	-917.87	-2456.51	-1521.84	-1852.54
-751.34											
1	215	342	13.52	-1.08	12.71	-0.28	-3.34	-273.93	-2391.75	-496.70	-2168.98
-649.74											
1	215	343	12.65	-1.11	12.21	-0.67	-2.42	-236.96	-2387.08	-245.40	-2378.63
134.49											
1	215	344	13.64	0.54	13.42	0.76	-1.68	-672.31	-2352.58	-1005.63	-2019.26
670.05											
1	215	345	14.81	2.97	14.62	3.15	-1.46	-1473.05	-2293.21	-2078.94	-1687.32
360.31											
1	215	346	15.61	3.43	15.42	3.62	-1.51	-1482.51	-2194.34	-1993.86	-1682.98
-320.18											
1	215	347	15.89	2.16	15.83	2.23	-0.94	-746.38	-2207.57	-992.54	-1961.40
-546.90											
1	215	348	16.27	1.70	16.23	1.74	0.77	-217.78	-2305.96	-217.78	-2305.96
2.26											
1	215	349	19.05	3.75	18.66	4.15	2.42	-132.56	-2449.07	-505.12	-2076.51
851.02											
1	215	350	21.70	7.35	20.62	8.43	3.79	-605.18	-2745.24	-1614.20	-1736.22
1068.29											
1	215	351	23.36	11.54	21.27	13.63	4.51	-872.52	-2830.98	-2198.87	-1504.64
915.65											
1	215	352	23.79	13.83	18.63	18.98	4.98	-801.78	-2552.17	-2081.98	-1271.98
775.85											
1	215	353	28.41	6.80	12.28	22.94	9.40	-501.07	-1761.88	-1245.93	-1017.02
619.93											
1	215	354	29.56	4.15	4.16	29.55	0.54	388.80	-960.31	343.03	-914.54
244.24											
1	215	355	22.13	1.84	3.19	20.79	-5.05	1212.26	-1199.70	1125.96	-1113.39
448.01											
1	215	356	23.41	0.57	0.61	23.37	0.91	791.71	-1065.31	426.60	-700.20
738.04											
1	215	357	19.66	0.20	0.20	19.66	0.11	-3.49	-746.05	-14.91	-734.63
91.38											
1	215	358	4.75e-02	-1.32	-1.80e-03	-1.27	-0.25	514.53	-74.91	13.80	425.82
-210.77											
1	215	359	8.87	-4.96	0.19	3.72	-6.69	2306.44	-1798.05	147.65	360.74
-2049.48											
1	215	360	14.89	-8.50e-02	5.69	9.12	-7.29	1308.06	425.52	639.60	1093.98
378.29											
1	215	361	13.56	2.25	8.22	7.60	-5.65	840.95	-1455.59	-1453.57	838.93
-68.03											
1	215	362	11.73	2.00	8.89	4.84	-4.43	771.38	-2032.48	-1965.04	703.95
-429.58											
1	215	363	11.36	-0.19	9.57	1.59	-4.17	1385.20	-1726.02	-1441.71	1100.89
-896.50											
1	215	364	10.66	-1.49	9.82	-0.65	-3.09	2511.02	-281.84	811.55	

1417.63	-1363.15									
1	215	365	12.20	-0.11	11.66	0.44	-2.54	2419.09	-1021.20	-230.22
1628.12	1447.60									
1	215	366	13.01	2.64	12.52	3.13	-2.20	1134.54	-2353.01	-2302.71
1084.23	415.84									
1	215	367	14.26	2.84	13.71	3.39	-2.46	1230.87	-2241.44	-2205.85
1195.28	-349.74									
1	215	368	15.48	1.60	15.26	1.82	-1.71	2439.23	-907.81	-220.96
1752.39	-1351.72									
1	215	369	18.47	2.34	18.45	2.36	0.61	2739.70	-414.78	882.87
1442.05	1552.26									
1	215	370	20.38	5.58	19.54	6.42	3.43	1420.04	-1885.37	-1417.55
952.21	1152.17									
1	215	371	22.06	8.50	18.50	12.06	5.97	572.64	-2340.70	-2058.58
290.52	861.58									
1	215	372	24.99	7.22	16.27	15.95	8.88	292.24	-2239.24	-1977.08
30.08	771.31									
1	215	373	28.23	0.39	13.38	15.24	13.89	288.56	-1610.95	-1424.53
102.14	565.11									
1	215	374	15.24	4.75	10.07	9.92	5.24	500.22	-620.98	-239.44
118.69	-531.23									
1	215	375	3.28	-9.95e-02	0.42	2.76	1.22	1948.16	-1251.43	454.00
242.73	1596.31									
1	215	376	-8.40e-02	-3.87	-8.43e-02	-3.87	-2.80e-02	307.19	-63.01	7.16
237.02	145.10									
1	215	377	13.37	-5.68	2.71e-02	7.66	-8.73	2873.34	-580.27	2493.64	-
200.56	-1080.36									
1	215	378	9.67	-1.96	9.09	-1.38	-2.53	2321.03	598.44	2301.80	
617.66	-180.98									
1	215	379	15.54	1.64	15.54	1.64	5.91e-02	2454.77	606.37	2416.04	
645.10	264.76									
1	215	380	9.45	1.08	2.91	7.61	-3.46	3017.72	-1036.46	2987.03	-
1005.77	351.39									
1	215	381	-0.62	-12.72	-0.71	-12.63	1.04	2236.66	67.10	68.30	
2235.45	-51.08									
1	215	382	3.30	-25.13	0.95	-22.79	-7.82	2229.42	-1760.92	-1744.01	
2212.51	-259.23									
1	215	383	12.89	-17.13	-3.40	-0.84	-14.96	1.024e+04	9221.31	9488.82	
9970.93	-447.80									
1	215	384	8.85	-5.36	1.12	2.37	-7.08	4009.74	-575.93	-463.31	
3897.12	-709.77									
1	215	385	9.95	-1.88	3.45	4.62	-5.89	2200.55	-1515.41	-1421.18	
2106.32	-584.18									
1	215	386	9.89	-0.32	5.46	4.11	-5.06	1820.15	-1791.15	-1780.12	
1809.11	-199.35									
1	215	387	7.74	-1.83	4.43	1.48	-4.55	2702.66	-1562.30	-1555.80	
2696.16	166.34									
1	215	388	5.35	-4.71	3.29	-2.65	-4.06	5669.04	-139.04	-128.85	
5658.84	243.10									
1	215	389	6.96	-6.93	5.97	-5.94	-3.59	1.216e+04	9943.26	9946.07	
1.215e+04	-78.75									
1	215	390	7.39	-2.66	6.97	-2.24	-2.00	4097.39	-1769.76	-1768.67	
4096.30	-79.92									
1	215	391	12.24	2.66	11.04	3.85	-3.17	2321.11	-2523.60	-2522.40	
2319.92	76.13									
1	215	392	14.69	2.88	13.20	4.37	-3.91	2555.21	-2542.14	-2528.90	
2541.96	259.53									
1	215	393	13.53	-1.48	12.27	-0.22	-4.16	4319.61	-1986.50	-1977.07	
4310.18	243.65									
1	215	394	14.26	-5.26	13.96	-4.96	-2.39	1.254e+04	1.026e+04	1.027e+04	
1.254e+04	62.83									
1	215	395	14.41	-2.03	14.35	-1.97	1.00	5614.52	-124.60	-111.52	
5601.44	-273.68									
1	215	396	18.20	3.02	17.51	3.71	3.16	2443.91	-1445.56	-1438.92	
2437.28	-160.48									
1	215	397	23.80	5.86	21.55	8.11	5.95	1205.85	-1754.07	-1739.62	
1191.41	206.30									
1	215	398	29.41	3.75	22.56	10.60	11.36	862.12	-1838.85	-1705.56	
728.83	585.03									

1	215	399	32.40	-3.27	19.83	9.30	17.04	1043.93	-1824.23	-1581.46	801.16
798.35											
1	215	400	19.66	-18.02	17.12	-15.48	9.45	2006.46	-2991.87	-2872.98	1887.57
761.65											
1	215	401	4.92	-3.31	2.11	-0.50	3.91	1.068e+04	9678.11	1.053e+04	9825.07
354.61											
1	215	402	2.51	-19.29	1.75	-18.53	3.99	1802.47	-1637.92	-1635.39	1799.94
93.36											
1	215	403	-0.74	-11.25	-0.75	-11.25	-0.25	1869.44	50.79	51.09	1869.14
23.32											
1	215	404	0.37	-0.94	0.20	-0.77	-0.44	499.94	-36.79	-20.72	483.86
91.49											
1	215	405	-5.27e-02	-7.77	-2.85	-4.97	-3.71	1363.28	-526.26	452.53	384.49
944.16											
1	215	406	1.68	-18.00	-15.67	-0.65	-6.35	1100.83	-1893.46	1100.47	-
1893.10	-32.88										
1	215	407	3.63	-7.83	-4.75	0.55	-5.08	1805.95	-1338.87	436.66	30.43
-1559.23											
1	215	408	11.49	-3.25	9.74	-1.50	-4.77	954.91	-1170.93	-767.67	551.65
-833.46											
1	215	409	15.17	-2.33	14.69	-1.84	-2.88	675.37	-992.76	-992.01	674.62
-35.41											
1	215	410	10.09	-2.48	9.67	-2.07	-2.25	922.86	-1298.21	-939.08	563.73
817.73											
1	215	411	-1.39	-8.83	-8.51	-1.71	-1.52	1821.83	-1400.82	529.25	-
108.241579.48											
1	215	412	2.80	-29.35	-29.29	2.74	-1.39	939.94	-1820.19	900.95	-
1781.19	-325.73										
1	215	413	1.14	-4.97	-4.57	0.74	-1.51	1270.02	-1199.72	-394.79	465.08
-1157.61											
1	215	414	28.46	-2.91	28.25	-2.70	-2.56	546.95	-2049.46	-2036.96	534.45
-179.69											
1	215	415	33.24	-3.52	33.10	-3.39	-2.22	522.93	-2338.40	-2207.32	391.85
598.24											
1	215	416	11.89	-1.83	11.43	-1.37	-2.45	1061.59	-1819.73	-905.03	146.88
1341.22											
1	215	417	2.03	-15.84	-15.74	1.93	-1.33	685.94	-2118.06	654.77	-
2086.89	293.97										
1	215	418	0.45	-4.68	-4.67	0.44	-0.23	2028.34	-1467.93	672.20	-
111.78	-1703.62										
1	215	419	20.87	-0.98	20.84	-0.95	0.80	1028.27	-1281.70	-797.69	544.27
-940.09											
1	215	420	37.86	-1.51	37.60	-1.24	3.21	631.90	-1022.66	-1003.39	612.63
-177.50											
1	215	421	46.30	-1.88	45.24	-0.82	7.07	656.06	-1183.43	-1079.88	552.52
423.97											
1	215	422	46.73	-3.94	44.59	-1.80	10.21	769.86	-1610.06	-1224.85	384.65
876.58											
1	215	423	30.56	-1.95	30.47	-1.86	1.76	1418.99	-2170.67	-668.79	-
82.881770.76											
1	215	424	1.02	-10.02	-9.98	0.98	0.62	1447.56	-1992.07	1428.08	-
1972.59	258.11										
1	215	425	1.49	-4.50	-4.00	0.99	1.65	1508.65	-548.87	547.95	411.84
-1026.51											
1	215	426	0.76	-1.17	0.65	-1.06	0.43	440.44	-44.33	-23.90	420.01
-97.39											
1	215	427	0.67	0.39	0.44	0.62	0.10	5.06	-87.23	-18.77	-
63.40	-40.39										
1	215	428	0.51	-0.91	-0.86	0.45	-0.27	320.31	-12.86	320.30	-
12.851.98											
1	215	429	-0.44	-4.64	-4.41	-0.67	0.96	1002.89	46.74	1001.07	48.55
-41.64											
1	215	430	-4.69e-02	-6.37	-6.25	-0.16	-0.86	365.31	-23.21	305.64	36.47
-140.09											
1	215	431	2.61	0.33	2.58	0.37	-0.28	-12.03	-655.14	-628.77	-
38.39	-127.52										
1	215	432	6.39	0.35	6.39	0.35	-3.10e-03	-61.71	-908.66	-908.59	-
61.78	-7.89										
1	215	433	0.60	0.20	0.23	0.57	0.11	-19.22	-770.38	-751.62	-

37.98117.24											
1	215	434	-6.42e-02	-13.80	-13.80	-6.43e-02	-2.72e-02	292.20	7.16	234.86	
64.50	114.27										
1	215	435	-1.36	-13.71	-13.66	-1.41	0.80	847.16	6.84	846.62	
7.39	21.44										
1	215	436	-5.59e-02	-4.63	-4.53	-0.16	-0.67	15.89	-417.27	-398.65	-
2.74-87.87											
1	215	437	18.34	0.84	18.34	0.84	-6.26e-02	-18.66	-1920.09	-1919.90	-
18.85-19.28											
1	215	438	22.03	0.84	22.02	0.84	-0.35	0.29	-2063.00	-2059.53	-
3.1884.48											
1	215	439	7.40	0.16	7.33	0.23	0.71	44.77	-895.96	-882.46	
31.27	111.90										
1	215	440	-1.17	-4.71	-4.70	-1.17	6.36e-02	609.89	28.86	609.54	
29.21	-14.23										
1	215	441	-0.49	-3.65	-3.60	-0.54	-0.37	411.47	1.63	366.49	
46.62	-128.11										
1	215	442	13.58	0.32	13.57	0.32	-0.26	-5.27	-647.33	-613.72	-
38.89-143.02											
1	215	443	30.38	0.32	30.38	0.32	8.02e-02	-54.96	-953.12	-952.52	-
55.56-23.22											
1	215	444	41.13	0.30	41.13	0.30	0.23	-43.04	-1067.16	-1060.51	-
49.6982.27											
1	215	445	45.56	0.34	45.56	0.34	0.30	-1.55	-1197.41	-1178.05	-
20.91150.90											
1	215	446	34.29	1.29	34.24	1.34	1.34	147.68	-548.93	-483.62	
82.37	203.06										
1	215	447	14.84	-1.50	14.72	-1.37	-1.42	1131.50	1.77	1126.74	
6.53	73.19										
1	215	448	0.48	-0.34	0.37	-0.23	-0.28	440.53	-6.02	439.62	-
5.11-20.14											
1	215	449	0.60	-0.34	-0.29	0.55	-0.21	0.24	-84.48	-32.32	-
51.9241.21											
1	216	13	0.63	3.11e-02	0.28	0.38	-0.30	-0.44	-76.52	-19.95	-
57.0133.22											
1	216	14	0.83	0.24	0.60	0.47	0.29	287.69	12.71	286.10	
14.30	20.82										
1	216	15	-0.19	-3.01	-2.47	-0.73	-1.11	951.19	47.77	940.57	
58.39	97.37										
1	216	16	0.20	-3.50	-3.18	-0.12	1.04	405.86	-90.23	274.21	
41.42	219.04										
1	216	17	6.54	0.35	6.53	0.37	0.28	33.17	-716.37	-648.59	-
34.62214.97											
1	216	18	10.74	0.42	10.74	0.42	2.87e-02	-46.48	-879.36	-867.79	-
58.0597.48											
1	216	19	5.03	0.45	5.02	0.46	-0.22	-39.61	-581.33	-579.50	-
41.45-31.45											
1	216	20	-0.28	-6.11	-6.11	-0.28	-0.11	452.58	47.97	451.05	
49.49	-24.81										
1	216	21	-1.00	-7.56	-7.55	-1.02	-0.33	968.00	22.14	963.53	
26.61	64.88										
1	216	22	2.14	0.11	2.04	0.21	0.44	154.45	-145.92	5.74	
2.79	150.18										
1	216	23	16.92	0.50	16.92	0.50	5.72e-02	-50.25	-891.80	-888.61	-
53.4451.73											
1	216	24	17.40	0.46	17.40	0.46	7.42e-02	-32.84	-855.00	-840.71	-
47.13-107.43											
1	216	25	8.18	0.14	8.17	0.15	-0.26	175.57	-175.41	-6.28	
6.44	-175.37										
1	216	26	3.25	-1.16	3.17	-1.08	-0.59	945.23	29.92	939.25	
35.89	-73.73										
1	216	27	11.95	-0.31	11.89	-0.25	0.83	356.81	53.95	352.62	
58.14	35.37										
1	216	28	31.86	0.30	31.86	0.30	9.91e-02	-25.70	-744.30	-739.37	-
30.6459.34											
1	216	29	49.77	0.33	49.77	0.33	-0.11	-47.44	-1095.98	-1093.65	-
49.78-49.40											
1	216	30	61.01	0.33	61.01	0.33	-0.25	-24.78	-1188.83	-1170.20	-
43.41-146.08											

1	216	31	66.14	0.37	66.14	0.37	-0.58	18.29	-1226.46	-1190.45	-17.73
-208.65											
1	216	32	57.40	1.31	57.34	1.37	-1.72	175.10	-529.67	-423.41	68.84
-252.18											
1	216	33	23.66	-0.81	23.44	-0.59	2.31	1019.45	22.91	1010.26	32.10
-95.23											
1	216	34	3.28	-1.45	3.25	-1.42	0.35	373.32	3.47	373.22	3.57
-6.10											
1	216	35	0.87	-0.95	-0.92	0.84	0.25	-1.09	-80.75	-26.97	-54.86
-37.31											
1	216	36	1.80	9.79e-02	0.29	1.61	0.54	377.37	-17.30	-1.75	361.82
-76.77											
1	216	37	-0.71	-6.51	-3.02	-4.20	2.84	1116.69	-554.60	359.16	202.93
-831.99											
1	216	38	2.60	-17.47	-14.50	-0.37	7.13	1079.07	-2084.44	1047.25	-2052.63
315.63											
1	216	39	5.13	-7.07	-2.06	0.12	6.00	2117.33	-1801.29	398.00	-81.97
1944.56											
1	216	40	15.87	-4.53	13.99	-2.64	5.91	1189.61	-1583.59	-811.20	417.23
1243.14											
1	216	41	20.40	-3.77	19.81	-3.17	3.75	648.39	-1111.22	-982.41	519.58
458.33											
1	216	42	13.63	-3.52	13.06	-2.95	3.08	542.11	-923.46	-804.53	423.18
-400.20											
1	216	43	-1.06	-7.04	-5.85	-2.25	2.39	1511.26	-1066.73	715.75	-271.22
-1190.79											
1	216	44	-0.14	-16.21	-16.07	-0.28	1.49	1087.76	-2249.04	940.64	-2101.92
685.03											
1	216	45	4.95	-2.45	4.65	-2.15	1.46	1561.26	-1433.92	-61.02	188.36
1492.39											
1	216	46	24.01	-3.94	23.74	-3.66	2.75	591.60	-1125.22	-1044.65	511.03
363.08											
1	216	47	25.06	-3.69	24.81	-3.44	2.68	739.76	-1292.33	-1016.38	463.80
-696.14											
1	216	48	10.86	-2.55	10.38	-2.08	2.47	1690.71	-1624.70	-63.04	129.04
-1654.92											
1	216	49	1.07	-6.66	-6.17	0.59	1.88	1083.52	-2394.35	930.40	-2241.23
-713.49											
1	216	50	11.34	-0.67	11.34	-0.67	0.11	1499.48	-1216.11	615.98	-332.61
1272.26											
1	216	51	38.93	-2.54	38.92	-2.53	-0.81	559.31	-1157.34	-949.61	351.58
559.87											
1	216	52	56.06	-2.53	55.77	-2.24	-4.15	485.24	-1176.92	-1162.43	470.75
-154.51											
1	216	53	64.69	-2.51	63.46	-1.29	-8.98	729.42	-1464.51	-1199.40	464.31
-715.08											
1	216	54	64.07	-3.40	61.56	-0.89	-12.76	958.87	-1827.51	-1240.24	371.60
-1136.43											
1	216	55	39.94	-2.07	39.93	-2.06	-0.62	1718.15	-2326.21	-577.19	-30.88
-2003.65											
1	216	56	5.20	-0.52	4.75	-7.67e-02	1.53	1328.68	-2151.91	1273.77	-2097.00
-433.71											
1	216	57	4.45	-6.58	-6.57	4.44	-0.30	1334.87	-549.81	481.05	304.01
938.18											
1	216	58	1.34	1.12e-02	1.27	7.70e-02	-0.29	395.05	-31.72	-10.70	374.04
92.35											
1	216	59	-0.64	-11.91	-0.75	-11.79	-1.14	2191.29	66.46	69.66	2188.09
82.39											
1	216	60	4.59	-25.35	1.83	-22.59	8.67	2230.96	-1821.06	-1760.66	2170.56
491.04											
1	216	61	15.53	-18.36	-1.59	-1.24	16.95	1.069e+04	9137.91	9715.03	1.011e+04
748.96											
1	216	62	11.26	-6.52	3.33	1.41	8.84	4105.51	-706.20	-467.53	3866.83
1044.74											
1	216	63	12.58	-3.05	6.29	3.24	7.66	2232.30	-1678.02	-1433.85	1988.13
946.13											
1	216	64	12.92	-1.95	8.65	2.32	6.73	1715.20	-1859.47	-1763.48	1619.21
577.87											
1	216	65	11.27	-3.75	8.20	-0.68	6.06	2437.10	-1495.59	-1485.16	

2426.67 202.24										
1	216	66	9.27	-7.13	7.60	-5.46	4.96	5314.86	-45.48	-44.25
5313.63 81.06										
1	216	67	10.50	-8.95	9.68	-8.13	3.91	1.185e+04	9890.54	9972.72
1.177e+04392.92										
1	216	68	10.52	-5.36	10.06	-4.90	2.65	3760.01	-1517.50	-1483.90
3726.41 419.73										
1	216	69	14.63	-1.58	13.80	-0.75	3.57	1915.87	-1909.60	-1905.35
1911.62 127.38										
1	216	70	16.68	-1.58	15.51	-0.42	4.47	2166.04	-1828.90	-1800.80
2137.94-333.88										
1	216	71	15.93	-4.12	15.07	-3.26	4.06	3991.03	-1478.38	-1425.15
3937.80-536.91										
1	216	72	20.61	-6.87	20.24	-6.49	3.18	1.227e+04	1.025e+04	1.035e+04
1.216e+04-452.19										
1	216	73	23.33	-2.91	23.30	-2.88	-0.91	5330.35	-96.49	-94.67
5328.54 -99.16										
1	216	74	28.79	3.12	28.31	3.60	-3.47	2241.49	-1524.88	-1517.55
2234.17 -165.90										
1	216	75	34.94	6.11	32.78	8.26	-7.58	1129.46	-1914.72	-1835.24
1049.98-485.42										
1	216	76	40.20	4.51	33.13	11.58	-14.22	905.81	-2020.99	-1767.43
652.26 -823.30										
1	216	77	42.26	-2.53	28.85	10.87	-20.51	1153.92	-1949.32	-1575.65
780.25-1009.92										
1	216	78	27.03	-18.08	24.72	-15.77	-9.94	2110.87	-3032.73	-2836.40
1914.54 -985.54										
1	216	79	4.89	-0.18	4.85	-0.14	-0.46	1.095e+04	9649.95	1.062e+04
9978.38-564.05										
1	216	80	4.03	-22.94	3.77	-22.67	-2.66	1894.71	-1661.36	-1646.23
1879.58 -231.44										
1	216	81	-1.03	-17.36	-1.04	-17.35	-0.35	1931.33	46.19	47.33
1930.19 -46.23										
1	216	82	14.43	-6.27	1.15	7.00	9.93	3153.66	-800.47	2595.28	-
242.091376.99										
1	216	83	12.49	-4.50	11.90	-3.91	3.11	2491.26	267.09	2388.63
369.72 466.62										
1	216	84	20.56	0.21	20.47	0.30	-1.35	2682.51	270.18	2543.56
409.13 -562.03										
1	216	85	14.43	-3.58	4.39	6.46	8.94	3101.58	-1054.53	3033.06	-
986.00-529.23										
1	216	86	3.64e-02	-2.58	8.62e-03	-2.55	0.27	529.35	-107.23	13.22
408.90 249.34										
1	216	87	9.05	-5.69	0.53	2.83	7.28	2599.69	-2066.49	184.48
348.72 2331.65										
1	216	88	16.45	-1.07	7.16	8.23	8.74	1093.83	673.92	703.76
1063.99-107.88										
1	216	89	15.81	1.00	10.36	6.45	7.14	823.82	-1483.46	-1425.44
765.81 361.22										
1	216	90	14.30	0.32	11.43	3.19	5.65	773.87	-2129.85	-1931.20
575.22 733.04										
1	216	91	14.34	-2.44	12.50	-0.60	5.25	1422.28	-1893.96	-1388.95
917.26 1191.51										
1	216	92	13.60	-4.12	12.68	-3.19	3.94	2683.91	-613.25	878.39
1192.27 1641.09										
1	216	93	15.08	-3.44	14.49	-2.86	3.24	2023.81	-697.21	-1.22
1327.82-1187.18										
1	216	94	16.36	-1.80	15.90	-1.34	2.85	761.79	-1937.83	-1909.91
733.87 -273.09										
1	216	95	17.82	-1.77	17.51	-1.45	2.47	867.36	-1799.68	-1765.46
833.14 300.17										
1	216	96	19.25	-2.16	19.18	-2.08	1.27	2087.22	-543.36	119.24
1424.63 1141.92										
1	216	97	24.06	1.82	23.97	1.92	-1.47	2919.43	-747.36	928.26
1243.81-1826.59										
1	216	98	26.97	5.92	26.03	6.86	-4.35	1489.39	-2109.96	-1430.39
809.83-1408.61										
1	216	99	28.34	9.69	24.89	13.14	-7.24	631.05	-2524.45	-2090.21
196.81-1087.05										

1	216	100	30.31	9.05	21.90	17.46	-10.39	372.44	-2388.60	-1992.49	-23.67-967.87
1	216	101	32.29	1.90	17.73	16.46	-15.18	391.67	-1712.98	-1404.07	82.75 -744.81
1	216	102	14.57	8.51	12.78	10.30	-2.76	363.27	-424.67	-190.38	128.98 360.16
1	216	103	0.71	-3.46	-0.24	-2.51	1.75	2121.26	-1376.21	459.23	285.83-1746.59
1	216	104	-0.19	-12.25	-0.20	-12.25	0.32	357.00	-70.99	6.62	279.39 -164.90
1	216	105	28.04	-0.31	-0.30	28.04	0.32	10.99	-1074.63	-28.01	1035.64 202.02
1	216	106	31.43	-0.76	0.11	30.56	5.21	1398.29	-2114.37	284.93	1001.02 1634.40
1	216	107	19.84	2.88	7.31	15.40	7.45	1113.98	-2399.63	303.35	1589.001480.24
1	216	108	17.01	6.41	12.02	11.39	5.29	-203.12	-1894.91	-440.57	1657.46 587.65
1	216	109	17.31	4.59	14.88	7.02	5.00	-1178.05	-2002.48	-1534.20	1646.33 408.38
1	216	110	17.59	1.84	15.76	3.67	5.05	-1143.74	-2534.36	-1919.33	1758.77 690.66
1	216	111	16.91	-1.15	15.54	0.22	4.79	-684.35	-2766.59	-1471.61	1979.331009.70
1	216	112	16.22	-3.77	15.32	-2.87	4.13	-71.58	-2687.56	-428.61	2330.53 898.06
1	216	113	15.10	-4.27	14.57	-3.74	3.15	-130.99	-2580.07	-135.21	2575.85 101.63
1	216	114	16.42	-3.12	16.14	-2.84	2.30	-687.72	-2399.51	-827.29	2259.94-468.43
1	216	115	17.72	-1.01	17.55	-0.84	1.78	-1628.57	-2159.76	-1816.39	1971.94 -253.95
1	216	116	18.74	-0.57	18.67	-0.50	1.15	-1527.50	-2158.26	-1710.30	1975.46 286.16
1	216	117	19.47	-1.55	19.47	-1.55	-5.25e-02	-659.00	-2325.30	-762.94	2221.35 402.98
1	216	118	20.05	-0.99	19.76	-0.69	-2.46	-55.29	-2528.97	-73.17	2511.09 -209.54
1	216	119	23.48	2.63	22.73	3.39	-3.89	62.14	-2729.65	-441.59	2225.92-1073.58
1	216	120	26.22	7.45	24.85	8.82	-4.89	-429.94	-3004.00	-1594.73	1839.21-1281.22
1	216	121	27.51	12.49	25.28	14.72	-5.33	-729.44	-3036.29	-2195.14	1570.60-1110.35
1	216	122	26.73	15.56	21.92	20.38	-5.53	-665.71	-2716.76	-2071.32	1311.15-952.49
1	216	123	29.89	8.58	14.67	23.79	-9.63	-336.99	-1916.45	-1215.65	1037.80 -784.71
1	216	124	29.97	5.15	5.66	29.46	3.52	509.65	-1033.70	394.10	918.15-406.18
1	216	125	26.27	-3.47	3.73	19.07	12.74	1317.53	-1258.51	1164.75	1105.73-608.45
1	216	126	19.30	7.14e-02	0.66	18.71	3.32	912.49	-1163.69	434.23	685.44-874.19
1	216	127	12.80	0.25	0.25	12.80	-8.22e-02	1.52	-737.29	-15.21	720.56-109.89
1	216	128	61.24	1.35	1.35	61.24	-8.51e-03	-19.74	-1624.49	-29.07	1615.15122.06
1	216	129	53.80	-5.31	-5.18	53.67	2.75	632.20	-1948.45	319.17	1635.42 842.52
1	216	130	27.85	5.31	12.10	21.07	10.34	-412.58	-3342.92	-702.81	3052.69 875.35
1	216	131	23.44	6.16	18.79	10.81	7.66	-1299.07	-3981.41	-1417.37	3863.11 550.75
1	216	132	24.57	3.72	22.40	5.88	6.36	-1880.86	-4173.44	-1960.34	4093.96 419.39
1	216	133	24.27	1.37	23.12	2.52	5.00	-2053.75	-4424.05	-2154.19	4323.61 477.47
1	216	134	19.87	-0.37	19.14	0.36	3.77	-1797.99	-4866.34	-1903.80	-

4760.52 559.89											
1	216	135	14.13	-1.43	13.53	-0.83	3.00	-1416.44	-5320.13	-1476.13	-
5260.44 479.01											
1	216	136	12.75	-1.95	12.27	-1.46	2.63	-1333.74	-5463.97	-1343.43	-
5454.28 199.81											
1	216	137	16.33	-1.91	16.04	-1.62	2.28	-1631.09	-5182.63	-1631.81	-
5181.91 -50.66											
1	216	138	21.65	-1.34	21.57	-1.27	1.35	-2047.45	-4779.13	-2049.19	-
4777.39 -68.83											
1	216	139	22.07	-0.56	22.07	-0.56	3.44e-02	-2009.29	-4830.41	-2010.16	-
4829.54 49.66											
1	216	140	18.10	0.68	18.02	0.76	-1.17	-1612.73	-5178.81	-1612.79	-
5178.76 13.63											
1	216	141	15.13	2.64	14.71	3.06	-2.25	-1313.43	-5394.94	-1329.03	-
5379.35 -251.79											
1	216	142	19.10	5.08	18.38	5.79	-3.09	-1462.69	-5172.89	-1550.10	-
5085.47 -562.75											
1	216	143	27.51	7.99	26.64	8.86	-4.02	-1906.31	-4597.90	-2098.72	-
4405.49 -693.45											
1	216	144	34.63	11.16	33.35	12.44	-5.32	-2169.27	-3976.33	-2471.77	-
3673.83 -674.63											
1	216	145	36.02	14.61	33.45	17.18	-6.96	-1934.76	-3372.00	-2301.26	-
3005.50 -626.44											
1	216	146	32.96	10.95	16.90	27.01	-9.78	-1015.95	-2500.78	-1274.75	-
2241.97 -563.29											
1	216	147	52.14	-13.46	-13.30	51.98	3.20	644.61	-1484.06	581.78	-
1421.23 -360.27											
1	216	148	32.89	0.52	3.54	29.87	9.42	878.40	-1162.72	794.49	-
1078.81 -405.26											
1	216	149	31.16	0.42	0.77	30.81	3.24	563.87	-874.24	419.14	-
729.51 -432.66											
1	216	150	27.35	0.16	0.16	27.35	2.70e-02	-21.35	-800.96	-25.55	-
796.76 -57.05											
1	216	151	44.38	-0.32	-0.32	44.38	-1.16e-04	-38.74	-1189.24	-39.30	-
1188.68 25.40											
1	216	152	45.18	0.11	0.80	44.50	5.52	297.85	-1148.98	287.91	-
1139.05 119.47											
1	216	153	29.63	4.80	9.93	24.50	10.05	-497.30	-1846.90	-512.07	-
1832.14 140.38											
1	216	154	25.48	3.98	15.17	14.28	10.74	-1104.43	-2389.93	-1171.71	-
2322.65 286.29											
1	216	155	22.30	4.60	16.90	10.00	8.15	-1621.38	-2677.96	-1712.60	-
2586.74 296.74											
1	216	156	19.42	4.80	17.41	6.81	5.03	-1842.40	-2867.75	-1877.08	-
2833.07 185.37											
1	216	157	17.95	2.15	17.53	2.57	2.55	-1590.42	-3191.69	-1596.36	-
3185.75 97.35											
1	216	158	17.85	-1.75	17.70	-1.60	1.71	-1179.55	-3544.22	-1187.73	-
3536.05 138.79											
1	216	159	18.08	-3.28	17.85	-3.06	2.16	-1079.33	-3683.98	-1104.18	-
3659.12 253.23											
1	216	160	18.54	-1.73	18.22	-1.41	2.52	-1391.68	-3553.28	-1427.88	-
3517.07 277.41											
1	216	161	18.92	1.34	18.83	1.43	1.22	-1839.67	-3307.38	-1845.97	-
3301.08 95.97											
1	216	162	19.40	2.08	19.35	2.13	-0.92	-1774.77	-3326.31	-1791.04	-
3310.04 -158.06											
1	216	163	19.93	0.97	19.72	1.17	-1.96	-1353.42	-3517.28	-1389.04	-
3481.67 -275.30											
1	216	164	20.60	1.20	20.39	1.41	-2.00	-1066.82	-3591.29	-1087.35	-
3570.76 -226.68											
1	216	165	21.45	4.94	21.25	5.14	-1.78	-1259.87	-3351.21	-1263.13	-
3347.95 -82.53											
1	216	166	22.85	10.81	22.15	11.51	-2.81	-1810.02	-2839.35	-1810.14	-
2839.23 -11.07											
1	216	167	26.12	14.33	22.29	18.15	-5.52	-2161.19	-2308.85	-2222.24	-
2247.80 -72.72											
1	216	168	31.05	13.06	19.76	24.34	-8.70	-1623.10	-2112.76	-2037.17	-
1698.69 -176.91											
1	216	169	34.60	9.72	13.02	31.31	-8.43	-867.83	-1388.99	-1014.46	-

1242.37-234.34											
	1	216	170	39.52	4.16	4.22	39.46	-1.51	806.14	-960.90	763.51	-
918.27-271.14											
	1	216	171	31.88	3.53	4.67	30.75	5.56	815.49	-1021.04	796.40	-
1001.95 -186.26											
	1	216	172	34.69	0.58	0.99	34.28	3.71	424.98	-733.49	423.43	-
731.93-42.41											
	1	216	173	31.19	0.11	0.11	31.19	-3.28e-02	-24.17	-798.71	-24.24	-
798.64-7.77											
	1	216	174	28.08	-5.93e-02	-5.89e-02	28.08	-0.11	-7.13	-778.35	-7.64	-
777.84-19.76											
	1	216	175	30.50	-0.31	-0.30	30.49	-0.48	214.85	-850.53	141.49	-
777.17-269.77											
	1	216	176	19.73	5.61	6.65	18.69	3.69	5.98	-1123.88	-11.14	-
1106.76 -138.05											
	1	216	177	20.00	5.19	10.64	14.54	7.14	-581.86	-1294.65	-711.10	-
1165.41274.62											
	1	216	178	19.76	6.54	13.60	12.70	6.59	-1008.97	-1719.47	-1585.36	-
1143.09 278.03											
	1	216	179	17.73	7.64	15.45	9.92	4.22	-1233.32	-1859.18	-1856.52	-
1235.98 -40.77											
	1	216	180	16.64	4.41	16.37	4.68	1.80	-1077.02	-1744.64	-1333.35	-
1488.31-324.69											
	1	216	181	17.73	-1.71	17.69	-1.67	0.84	-516.71	-1856.33	-535.30	-
1837.73 -156.73											
	1	216	182	18.14	-3.98	17.97	-3.82	1.90	-356.48	-2022.44	-425.45	-
1953.47 331.86											
	1	216	183	18.91	-1.03	18.64	-0.76	2.30	-801.95	-2090.82	-1140.95	-
1751.81567.46											
	1	216	184	19.61	3.27	19.57	3.31	0.80	-1476.47	-2031.87	-1921.04	-
1587.31221.98											
	1	216	185	19.75	3.89	19.67	3.97	-1.11	-1371.78	-2025.92	-1811.64	-
1586.06 -307.01											
	1	216	186	19.71	1.63	19.33	2.01	-2.58	-743.28	-2025.27	-1046.73	-
1721.81-544.92											
	1	216	187	19.78	0.76	19.50	1.04	-2.28	-313.01	-1937.54	-351.74	-
1898.82-247.82											
	1	216	188	20.11	5.06	19.86	5.31	-1.92	-482.75	-1820.26	-560.80	-
1742.21313.53											
	1	216	189	20.18	12.45	19.19	13.44	-2.59	-867.16	-1989.78	-1514.75	-
1342.20 554.64											
	1	216	190	23.95	15.33	18.67	20.60	-4.20	-915.40	-2314.18	-2219.15	-
1010.43 351.98											
	1	216	191	27.14	14.50	16.59	25.05	-4.70	-765.56	-2110.13	-2109.18	-
766.5135.73											
	1	216	192	27.48	12.60	13.04	27.03	-2.55	-463.54	-1226.01	-1090.88	-
598.66-291.15											
	1	216	193	32.89	6.79	6.86	32.81	1.41	913.84	-939.42	680.50	-
706.07-614.81											
	1	216	194	26.31	4.94	6.67	24.57	5.83	1451.98	-1052.81	1445.10	-
1045.94 -131.02											
	1	216	195	30.42	2.76e-02	1.01	29.44	5.37	605.38	-848.82	476.87	-
720.30412.76											
	1	216	196	26.33	8.76e-02	8.77e-02	26.33	3.10e-02	-12.39	-755.96	-15.21	-
753.1445.74											
	1	216	197	9.55	0.80	0.82	9.54	0.35	97.75	33.40	55.64	
75.51 -30.61											
	1	216	198	14.70	-5.85	-5.74	14.59	-1.51	555.48	-580.05	-48.90	
24.33 -566.58											
	1	216	199	8.85	3.44	3.75	8.54	-1.27	1093.48	-304.08	1084.30	-
294.90-112.89											
	1	216	200	14.20	4.05	4.49	13.76	2.06	823.29	-605.51	-114.12	
331.90 678.70											
	1	216	201	16.01	12.50	14.70	13.81	1.70	292.08	-1802.26	-1724.93	
214.76 394.92											
	1	216	202	20.92	10.24	19.92	11.24	3.11	155.15	-2180.63	-2175.83	
150.35 -105.76											
	1	216	203	17.25	6.02	16.26	7.01	3.18	618.72	-1540.19	-1319.26	
397.79 -654.34											

1	216	204	11.76	-0.59	11.76	-0.59	0.19	1328.62	-243.86	784.15	300.60 -748.14
1	216	205	14.63	-4.91	14.62	-4.90	0.46	1071.18	-524.06	730.07	-182.95654.06
1	216	206	16.03	1.83	15.91	1.94	-1.29	712.71	-1375.94	-965.99	302.75 829.57
1	216	207	26.10	3.39	26.06	3.43	-1.00	-35.17	-2298.23	-2261.59	-71.80285.61
1	216	208	25.12	4.38	25.03	4.47	1.35	57.59	-2154.89	-2088.32	-8.98-377.97
1	216	209	15.06	5.14	14.99	5.20	0.78	786.25	-1223.58	-798.94	361.62-820.44
1	216	210	14.95	-0.43	14.87	-0.35	-1.14	1154.30	-385.06	924.22	-154.98-548.85
1	216	211	12.68	5.86	12.29	6.24	-1.57	1507.84	-392.90	807.02	307.92 917.02
1	216	212	21.57	11.60	17.63	15.54	-4.87	640.49	-1812.94	-1445.46	273.02 875.52
1	216	213	26.36	17.19	23.19	20.35	-4.36	-76.43	-2595.89	-2520.42	-151.90429.47
1	216	214	23.53	20.81	20.85	23.48	-0.35	-287.91	-2485.01	-2484.24	-288.6740.99
1	216	215	24.25	12.91	13.55	23.61	2.62	15.72	-1694.45	-1605.29	-73.44-380.17
1	216	216	17.78	6.08	8.36	15.50	4.64	1953.22	-1304.25	406.56	242.41-1626.66
1	216	217	21.52	-3.10	-0.17	18.59	7.98	3647.48	-1172.74	3647.33	-1172.5926.36
1	216	218	15.15	0.48	1.37	14.26	3.51	1667.50	-825.38	454.66	387.46 1245.99
1	216	219	13.93	0.11	0.12	13.92	0.41	318.56	-18.99	14.32	285.25 100.67
1	216	220	-1.98	-10.85	-1.99	-10.84	0.30	1711.38	-89.76	-89.72	1711.34 9.09
1	216	221	14.59	-18.90	14.59	-18.89	-0.33	1804.96	-507.10	-505.06	1802.92 68.73
1	216	222	23.00	-50.81	-50.80	22.99	-0.89	4898.55	4364.54	4375.16	4887.93 74.54
1	216	223	15.83	2.42	2.44	15.82	-0.44	2031.01	-247.97	-245.82	2028.87 69.95
1	216	224	34.26	6.21	34.26	6.21	-0.15	403.09	-2171.38	-2169.65	401.36 66.70
1	216	225	46.41	0.94	46.41	0.94	-0.23	118.81	-2607.38	-2605.88	117.31 63.90
1	216	226	33.68	2.07	33.67	2.07	-0.34	1075.60	-1824.60	-1823.32	1074.32 60.87
1	216	227	9.78	-14.00	-14.00	9.78	-0.11	4049.84	1459.83	1461.05	4048.62 56.32
1	216	228	14.30	-41.74	-41.74	14.30	-6.40e-02	6084.41	4797.39	4799.49	6082.31 52.04
1	216	229	28.83	0.77	28.83	0.77	-1.79e-02	1500.70	-1292.24	-1291.64	1500.10 40.90
1	216	230	51.40	-4.94	51.40	-4.94	2.68e-02	29.68	-2768.05	-2767.77	29.41 27.83
1	216	231	47.89	-3.01	47.89	-3.01	-0.23	226.01	-2575.38	-2575.31	225.94 14.17
1	216	232	26.37	4.07	26.37	4.07	-9.42e-02	1704.24	-1067.24	-1067.24	1704.24 3.32
1	216	233	20.90	-45.42	-45.42	20.90	-1.92e-03	6270.00	5082.21	5082.25	6269.96 -7.26
1	216	234	17.21	-14.16	-14.16	17.21	0.14	3980.48	1449.79	1449.84	3980.44 -11.09
1	216	235	33.01	10.80	32.99	10.82	0.54	792.90	-1919.14	-1919.06	792.82 -14.56
1	216	236	46.86	10.53	46.85	10.54	0.64	-543.21	-2922.53	-2922.42	-543.33-16.77
1	216	237	42.39	13.84	42.37	13.86	0.79	-914.01	-2899.37	-2899.17	-914.20-19.64
1	216	238	19.11	17.55	18.50	18.16	0.76	-516.39	-2064.58	-2064.17	-

516.80	-25.29										
1	216	239	15.67	-14.06	-13.91	15.53	2.07	1120.17	-2399.90	-2399.62	
1119.90	-31.19										
1	216	240	23.42	-9.43	-8.98	22.98	3.79	1.185e+04	9763.00	1.185e+04	
9763.89	-43.11										
1	216	241	2.62	-2.03	2.31	-1.72	1.16	1491.56	-1396.03	-1395.42	
1490.94	-42.17										
1	216	242	4.92	-0.69	-0.64	4.86	-0.55	1621.57	24.07	24.09	
1621.54	-5.77										
1	216	243	11.75	0.80	0.82	11.74	-0.42	117.42	13.58	56.07	
74.93	51.06										
1	216	244	15.71	-5.55	-5.54	15.70	0.52	691.90	-725.79	-56.43	
22.54	707.75										
1	216	245	9.99	3.84	3.84	9.99	-6.68e-02	1121.04	-338.61	1070.35	-
287.91	267.26										
1	216	246	15.48	3.69	4.25	14.92	-2.50	698.34	-467.81	-120.26	
350.78	-533.39										
1	216	247	16.45	12.43	14.40	14.49	-2.01	278.94	-1757.84	-1724.72	
245.82	-257.60										
1	216	248	20.95	10.40	19.56	11.78	-3.57	215.44	-2196.30	-2172.59	
191.73	237.94										
1	216	249	17.59	6.42	15.88	8.14	-4.03	743.04	-1612.79	-1316.74	
446.98	780.91										
1	216	250	11.19	1.53	11.08	1.64	-1.03	1461.60	-313.70	777.55	
370.35	863.98										
1	216	251	14.28	-3.35	14.27	-3.35	0.16	1005.38	-381.86	748.52	-
124.99	-538.85										
1	216	252	15.66	3.13	15.44	3.35	1.65	706.48	-1309.45	-980.69	
377.73	-744.76										
1	216	253	25.70	4.32	25.64	4.38	1.12	36.10	-2295.61	-2272.97	
13.46	-228.64										
1	216	254	24.72	5.33	24.54	5.51	-1.84	148.07	-2172.02	-2099.16	
75.21	404.64										
1	216	255	14.64	6.30	14.40	6.53	-1.37	845.13	-1222.22	-812.88	
435.79	823.82										
1	216	256	14.47	1.06	14.45	1.07	0.45	1156.37	-316.29	939.70	-
99.61	521.67										
1	216	257	12.79	6.88	11.49	8.18	2.46	1555.21	-379.29	802.74	
373.17	-943.10										
1	216	258	22.83	10.59	17.15	16.27	6.11	704.07	-1828.00	-1441.51	
317.59	-910.63										
1	216	259	27.34	15.80	22.72	20.41	5.65	-28.15	-2605.10	-2516.98	-
116.26	-468.30										
1	216	260	24.45	19.36	20.37	23.45	2.03	-259.95	-2489.45	-2486.28	-
263.11	-83.98										
1	216	261	23.84	12.84	12.85	23.82	-0.36	7.67	-1683.53	-1617.08	-
58.78	328.59										
1	216	262	16.46	7.88	7.92	16.42	-0.53	1866.94	-1240.16	383.58	
243.21	1551.97										
1	216	263	20.24	-0.34	-0.25	20.14	-1.37	3619.59	-1187.75	3617.28	-
1185.44	-105.27										
1	216	264	15.91	1.43	1.43	15.91	3.72e-02	1743.94	-919.20	449.95	
374.79	-1331.04										
1	216	265	17.02	7.32e-02	7.46e-02	17.02	-0.16	316.26	-27.51	14.39	
274.36	-112.47										
1	216	266	28.94	-2.29e-02	-2.28e-02	28.94	5.40e-02	-4.68	-766.86	-6.91	-
764.63	41.18										
1	216	267	31.50	-0.35	-0.34	31.49	-0.54	296.19	-934.08	128.46	-
766.35	422.17										
1	216	268	21.43	4.88	6.75	19.56	-5.24	28.20	-1164.16	-48.02	-
1087.93	291.68										
1	216	269	20.97	4.59	10.11	15.46	-7.74	-695.42	-1154.87	-727.27	-
1123.02	-116.70										
1	216	270	20.09	6.34	12.93	13.50	-6.87	-1052.97	-1617.39	-1586.40	-
1083.96	-128.57										
1	216	271	17.64	7.80	14.57	10.88	-4.56	-1112.23	-1896.69	-1850.69	-
1158.23	184.31										
1	216	272	15.83	5.55	15.30	6.08	-2.27	-897.54	-1823.48	-1329.10	-
1391.93	461.90										

1	216	273	16.45	0.36	16.36	0.46	-1.24	-506.08	-1782.05	-573.93	-
1714.20	286.30										
1	216	274	16.81	-1.73	16.66	-1.58	-1.69	-341.32	-1831.08	-343.64	-
1828.76	-58.70										
1	216	275	17.73	0.77	17.50	1.00	-1.96	-832.63	-1905.14	-1142.74	-
1595.03	-486.24										
1	216	276	18.60	4.82	18.56	4.86	-0.71	-1371.60	-1994.57	-1950.38	-
1415.79	-159.93										
1	216	277	18.62	5.52	18.57	5.57	0.79	-1237.98	-2018.43	-1841.08	-
1415.33	327.05										
1	216	278	18.26	3.44	17.96	3.74	2.07	-699.32	-1914.48	-1048.09	-
1565.71	549.70										
1	216	279	18.48	3.35	18.19	3.63	2.06	-292.55	-1768.43	-294.53	-
1766.45	53.96										
1	216	280	18.79	6.39	18.34	6.84	2.32	-484.97	-1734.89	-595.97	-
1623.90	-355.55										
1	216	281	19.95	12.04	17.96	14.02	3.43	-765.65	-1996.72	-1507.36	-
1255.02	-602.47										
1	216	282	24.70	13.53	17.66	20.57	5.40	-827.70	-2329.38	-2212.02	-
945.07	-403.07										
1	216	283	28.05	12.48	15.76	24.77	6.35	-716.66	-2119.09	-2113.22	-
722.53	-90.53										
1	216	284	28.27	10.93	12.40	26.79	4.83	-493.51	-1198.27	-1115.45	-
576.33	226.95										
1	216	285	33.46	5.77	6.29	32.94	3.76	794.58	-879.42	611.92	-
696.76	521.93										
1	216	286	26.32	6.51	6.73	26.10	2.07	1395.57	-1055.86	1390.50	-
1050.79	111.37										
1	216	287	31.98	0.92	0.95	31.95	-1.02	669.98	-912.85	485.07	-
727.95	-508.42										
1	216	288	28.94	0.15	0.15	28.94	0.10	-10.46	-760.42	-15.01	-
755.87	-58.19										
1	216	289	44.90	-0.29	-0.29	44.90	1.94e-02	-37.98	-1164.07	-37.99	-
1164.07	-2.77										
1	216	290	45.64	0.11	1.03	44.71	-6.42	270.97	-1119.32	269.56	-
1117.91	44.28										
1	216	291	30.66	3.86	9.76	24.76	-11.11	-544.84	-1791.68	-546.34	-
1790.18	43.16										
1	216	292	25.54	3.73	14.41	14.87	-10.90	-1179.18	-2269.87	-1191.40	-
2257.65	-114.82										
1	216	293	21.70	4.89	15.57	11.02	-8.09	-1692.49	-2517.10	-1713.59	-
2496.00	-130.21										
1	216	294	18.33	5.61	15.72	8.21	-5.13	-1867.07	-2714.09	-1867.65	-
2713.51	-22.09										
1	216	295	16.33	3.66	15.65	4.34	-2.86	-1586.12	-3037.40	-1588.81	-
3034.71	62.40										
1	216	296	16.04	0.21	15.78	0.47	-2.01	-1190.62	-3352.23	-1190.74	-
3352.11	15.98										
1	216	297	16.33	-1.19	16.05	-0.91	-2.18	-1125.11	-3447.37	-1131.03	-
3441.45	-117.07										
1	216	298	16.95	0.35	16.62	0.68	-2.33	-1455.01	-3285.26	-1468.86	-
3271.41	-158.62										
1	216	299	17.37	3.42	17.28	3.50	-1.09	-1904.77	-3032.71	-1905.38	-
3032.09	-26.30										
1	216	300	17.67	4.23	17.63	4.28	0.79	-1826.68	-3064.74	-1850.46	-
3040.96	169.94										
1	216	301	17.93	3.10	17.73	3.30	1.69	-1401.12	-3264.87	-1433.08	-
3232.91	241.95										
1	216	302	18.37	3.02	18.15	3.25	1.84	-1100.64	-3366.36	-1113.99	-
3353.01	173.40										
1	216	303	19.26	6.08	18.94	6.39	2.02	-1261.77	-3172.72	-1261.82	-
3172.67	9.68										
1	216	304	21.24	10.74	19.98	12.00	3.41	-1792.22	-2708.59	-1796.59	-
2704.22	-63.09										
1	216	305	25.75	12.69	20.43	18.01	6.42	-2150.07	-2209.21	-2209.21	-
2150.07	-0.29										
1	216	306	31.42	10.75	18.38	23.79	9.98	-1609.63	-2066.71	-2041.92	-
1634.42	103.51										
1	216	307	35.22	7.57	12.21	30.58	10.34	-956.24	-1302.96	-1051.69	-

1207.51154.86											
	1	216	308	40.14	2.86	3.96	39.04	6.30	710.83	-927.40	691.06	-
907.63178.87											
	1	216	309	31.87	4.21	4.36	31.71	2.05	753.01	-1004.07	749.75	-
1000.81 75.63											
	1	216	310	36.79	0.93	0.93	36.78	0.34	412.19	-738.27	409.88	-
735.97-51.44											
	1	216	311	34.62	0.13	0.13	34.62	8.04e-04	-23.45	-801.31	-23.49	-
801.27-5.26											
	1	216	312	61.19	1.33	1.33	61.19	2.89e-02	-20.98	-1585.59	-26.85	-
1579.72 -95.62											
	1	216	313	52.88	-5.11	-4.91	52.68	-3.44	498.85	-1813.66	294.76	-
1609.57-655.99											
	1	216	314	27.77	5.22	12.52	20.47	-10.55	-569.23	-3193.71	-754.40	-
3008.54-672.07											
	1	216	315	22.04	6.55	17.27	11.32	-7.15	-1385.56	-3831.18	-1438.65	-
3778.09-356.39											
	1	216	316	22.25	5.10	20.04	7.31	-5.75	-1930.87	-3993.16	-1956.09	-
3967.94-226.64											
	1	216	317	21.55	3.28	20.27	4.55	-4.66	-2097.44	-4194.68	-2136.78	-
4155.34-284.52											
	1	216	318	17.12	1.69	16.17	2.64	-3.71	-1837.00	-4599.38	-1886.77	-
4549.61-367.43											
	1	216	319	11.58	0.58	10.73	1.43	-2.94	-1450.26	-5030.37	-1473.56	-
5007.06-287.89											
	1	216	320	10.40	0.15	9.84	0.71	-2.32	-1369.90	-5155.56	-1369.97	-
5155.48 -16.66											
	1	216	321	14.26	0.35	14.04	0.57	-1.73	-1686.02	-4847.58	-1699.65	-
4833.95 207.16											
	1	216	322	19.91	1.06	19.87	1.10	-0.90	-2146.53	-4395.21	-2157.56	-
4384.19 157.08											
	1	216	323	20.15	1.98	20.15	1.98	-5.61e-02	-2120.24	-4433.19	-2121.47	-
4431.96 -53.36											
	1	216	324	15.58	3.16	15.54	3.21	0.74	-1689.21	-4819.28	-1691.58	-
4816.90 -86.21											
	1	216	325	12.03	4.61	11.63	5.01	1.69	-1354.72	-5081.51	-1360.03	-
5076.20 140.67											
	1	216	326	15.71	6.17	14.84	7.04	2.75	-1482.84	-4903.71	-1540.95	-
4845.60 442.06											
	1	216	327	24.07	8.32	22.96	9.42	4.02	-1923.49	-4369.44	-2069.35	-
4223.58 579.21											
	1	216	328	31.62	10.76	30.01	12.37	5.56	-2203.21	-3785.09	-2445.89	-
3542.41 570.08											
	1	216	329	34.16	13.33	30.98	16.50	7.49	-1997.71	-3220.68	-2300.69	-
2917.71527.95											
	1	216	330	32.73	9.07	15.96	25.85	10.75	-1119.60	-2393.19	-1318.75	-
2194.03 462.58											
	1	216	331	50.98	-14.09	-14.07	50.96	1.22	520.13	-1442.19	486.66	-
1408.73 254.06											
	1	216	332	30.54	2.90	3.06	30.37	-2.14	785.92	-1123.07	742.61	-
1079.76 284.28											
	1	216	333	33.35	0.69	0.70	33.34	0.70	493.90	-826.86	405.69	-
738.66329.73											
	1	216	334	31.20	0.14	0.14	31.20	-5.97e-02	-22.57	-805.81	-24.91	-
803.4642.79											
	1	216	335	26.39	-0.30	-0.29	26.38	-0.28	3.46	-1010.49	-25.27	-
981.76-168.24											
	1	216	336	29.12	-0.49	0.30	28.34	-4.76	1170.23	-1893.30	233.14	-
956.21-1411.62											
	1	216	337	18.10	2.49	6.14	14.44	-6.61	898.57	-2147.98	250.09	-
1499.50-1247.04											
	1	216	338	14.89	6.90	10.00	11.79	-3.90	-342.33	-1628.48	-453.61	-
1517.20-361.57											
	1	216	339	14.42	6.34	11.90	8.86	-3.74	-1300.12	-1663.50	-1513.12	-
1450.50 -178.97											
	1	216	340	14.54	4.06	12.30	6.30	-4.30	-1198.08	-2189.63	-1883.92	-
1503.79-457.90											
	1	216	341	13.92	1.03	12.07	2.89	-4.53	-765.47	-2340.44	-1436.27	-
1669.64-778.79											

1	216	342	13.27	-1.72	12.18	-0.63	-3.89	-158.82	-2221.27	-404.49	-1975.60
-668.08											
1	216	343	12.31	-2.11	11.87	-1.68	-2.46	-148.28	-2187.10	-156.62	-2178.76
130.20											
1	216	344	13.50	-0.57	13.38	-0.45	-1.26	-561.23	-2176.81	-927.06	-1810.97
676.17											
1	216	345	14.56	2.27	14.49	2.34	-0.87	-1283.32	-2197.68	-2008.25	-1472.76
370.58											
1	216	346	15.32	3.02	15.22	3.11	-1.06	-1310.33	-2072.38	-1915.43	-1467.28
-308.17											
1	216	347	15.74	1.77	15.72	1.78	-0.51	-645.13	-2003.86	-898.73	-1750.25
-529.40											
1	216	348	16.10	1.46	15.98	1.58	1.32	-112.78	-2105.72	-113.28	-2105.22
31.73											
1	216	349	19.11	3.67	18.38	4.41	3.28	15.39	-2307.40	-404.17	-1887.84
893.60											
1	216	350	21.71	7.69	20.06	9.34	4.52	-432.79	-2666.13	-1531.07	-1567.86
1116.52											
1	216	351	23.41	11.99	20.69	14.71	4.87	-714.21	-2790.65	-2138.92	-1365.94
963.60											
1	216	352	23.99	13.85	18.22	19.62	5.02	-679.95	-2542.41	-2052.07	-1170.29
820.25											
1	216	353	28.15	6.60	12.20	22.55	9.45	-433.12	-1780.54	-1256.95	-956.71
656.77											
1	216	354	27.87	4.51	4.52	27.87	-0.38	341.22	-952.87	283.82	-895.48
266.41											
1	216	355	20.91	0.91	3.06	18.75	-6.20	1211.07	-1204.15	1116.20	-1109.28
469.18											
1	216	356	21.09	0.63	0.64	21.07	0.56	804.67	-1085.75	421.11	-702.19
760.25											
1	216	357	17.26	0.19	0.19	17.26	0.18	-2.23	-747.16	-14.36	-735.04
94.27											
1	216	358	-2.66e-02	-7.54	-3.08e-02	-7.53	-0.18	571.32	-65.42	15.97	-489.92
-212.61											
1	216	359	6.45	-7.75	-0.56	-0.74	-7.10	2340.19	-1820.21	104.20	-415.78
-2074.36											
1	216	360	13.61	-0.30	4.32	8.99	-6.55	1445.70	516.50	706.27	-1255.93
374.60											
1	216	361	13.01	2.53	6.55	8.99	-5.10	1042.96	-1380.65	-1378.11	-1040.41
-78.45											
1	216	362	11.76	2.37	7.29	6.84	-4.69	1001.73	-1944.82	-1876.01	-932.93
-444.97											
1	216	363	11.44	-0.47	8.18	2.79	-5.31	1629.97	-1622.05	-1340.40	-1348.32
-914.66											
1	216	364	10.73	-2.45	9.12	-0.85	-4.32	2730.44	-129.32	928.58	-1672.53
-1380.65											
1	216	365	11.49	-1.07	11.17	-0.76	-1.97	2650.29	-903.79	-136.11	-1882.62
1462.55											
1	216	366	12.21	2.30	11.98	2.53	-1.48	1389.25	-2275.48	-2224.61	-1338.38
428.76											
1	216	367	13.58	2.80	13.16	3.22	-2.10	1490.21	-2149.02	-2117.53	-1458.73
-337.02											
1	216	368	14.96	1.55	14.78	1.74	-1.57	2674.97	-754.38	-106.90	-2027.49
-1342.09											
1	216	369	18.37	2.72	18.14	2.95	1.90	2980.78	-268.63	1006.55	-1705.60
1586.66											
1	216	370	20.46	6.36	18.89	7.93	4.43	1655.16	-1791.53	-1324.33	-1187.96
1179.84											
1	216	371	22.46	9.39	17.97	13.87	6.21	765.10	-2274.72	-1992.87	-483.26
881.66											
1	216	372	25.22	7.81	15.92	17.11	8.68	432.19	-2204.96	-1945.81	-173.04
785.02											
1	216	373	27.51	0.65	13.31	14.85	13.41	373.46	-1621.10	-1440.86	-193.21
571.86											
1	216	374	13.42	4.68	10.41	7.69	4.15	514.38	-664.69	-310.42	-160.11
-540.55											
1	216	375	1.34	-1.32	7.09e-03	1.10e-02	1.33	1976.69	-1269.26	449.03	-258.41
1620.17											
1	216	376	-9.41e-02	-8.15	-9.54e-02	-8.15	-0.11	323.82	-60.67	8.10	

255.04	147.36										
1	216	377	11.42	-7.04	-1.08	5.46	-8.63	2929.02	-495.89	2533.23	-
100.10	-1094.94										
1	216	378	9.32	-3.24	8.63	-2.56	-2.85	2448.86	848.70	2426.92	
870.64	-186.08										
1	216	379	15.54	1.49	15.52	1.50	0.49	2606.45	869.77	2556.86	
919.36	289.24										
1	216	380	8.34	-0.35	3.06	4.94	-4.24	3035.41	-1022.17	3004.12	-
990.88	354.94										
1	216	381	-0.61	-16.84	-0.74	-16.71	1.45	2344.74	69.56	70.61	
2343.70	-48.82										
1	216	382	2.53	-28.29	0.64	-26.41	-7.39	2329.45	-1819.08	-1805.65	
2316.02	-235.66										
1	216	383	11.83	-17.73	-4.42	-1.49	-14.70	1.043e+04	9412.69	9619.43	
1.022e+04	-409.75										
1	216	384	9.11	-4.82	0.59	3.70	-6.79	4247.90	-503.26	-404.76	
4149.41	-676.96										
1	216	385	10.98	-1.03	2.62	7.33	-5.52	2480.57	-1425.93	-1342.82	
2397.46	-563.70										
1	216	386	11.51	0.39	4.51	7.39	-5.37	2142.51	-1695.00	-1685.11	
2132.62	-194.56										
1	216	387	9.42	-1.81	3.45	4.16	-5.60	3039.18	-1451.17	-1445.70	
3033.72	156.52										
1	216	388	6.02	-4.63	2.69	-1.30	-4.94	6007.27	-12.80	-4.27	
5998.74	226.48										
1	216	389	6.65	-7.05	5.03	-5.43	-4.42	1.252e+04	1.014e+04	1.014e+04	
1.252e+04	-95.43										
1	216	390	6.52	-2.86	5.97	-2.31	-2.20	4370.15	-1673.96	-1672.85	
4369.04	-81.71										
1	216	391	10.96	2.89	10.04	3.81	-2.57	2581.64	-2435.59	-2433.76	
2579.81	95.84										
1	216	392	13.72	3.73	12.33	5.12	-3.46	2853.41	-2446.53	-2429.92	
2836.79	296.31										
1	216	393	12.74	0.48	11.66	1.56	-3.47	4670.55	-1877.56	-1865.21	
4658.20	284.15										
1	216	394	13.90	-2.89	13.72	-2.71	-1.73	1.299e+04	1.047e+04	1.047e+04	
1.299e+04	489.20										
1	216	395	14.80	0.35	14.67	0.48	1.37	5999.90	-5.09	6.82	
5987.99	-267.18										
1	216	396	18.79	5.44	17.66	6.57	3.71	2778.60	-1353.27	-1345.82	
2771.15	-175.32										
1	216	397	24.41	8.25	21.75	10.92	6.00	1472.98	-1681.46	-1671.71	
1463.24	175.06										
1	216	398	29.79	5.60	22.89	12.50	10.92	1038.32	-1780.30	-1670.79	
928.81	544.67										
1	216	399	32.38	-2.37	20.36	9.65	16.53	1140.13	-1803.80	-1593.16	
929.49	758.77										
1	216	400	20.40	-19.52	18.15	-17.28	9.19	2075.41	-3067.87	-2959.94	
1967.49	737.19										
1	216	401	4.37	-4.08	2.36	-2.07	3.60	1.080e+04	9846.31	1.066e+04	
9989.37	341.52										
1	216	402	2.35	-21.04	1.74	-20.44	3.71	1846.39	-1666.53	-1664.40	
1844.26	86.37										
1	216	403	-0.71	-13.09	-0.75	-13.06	-0.70	1915.93	51.79	52.06	
1915.65	22.66										
1	216	404	0.29	-1.67	0.19	-1.56	-0.44	563.49	-39.72	-24.58	
548.34	94.37										
1	216	405	0.34	-8.98	-2.96	-5.69	-4.45	1467.87	-533.71	472.60	
461.56	1000.78										
1	216	406	1.83	-17.93	-15.70	-0.40	-6.25	1142.21	-1823.05	1140.44	-
1821.28	72.39										
1	216	407	4.14	-6.42	-4.27	2.00	-4.25	1802.95	-1162.12	473.88	
166.96	-1474.57										
1	216	408	12.13	-1.08	10.65	0.40	-4.17	1063.59	-1069.66	-739.41	
733.34	-771.64										
1	216	409	16.12	-0.45	15.53	0.14	-3.07	881.09	-957.95	-957.88	
881.02	-10.99										
1	216	410	10.73	-1.13	9.63	-2.69e-02	-3.45	1094.94	-1208.06	-885.95	
772.83	798.79										

1	216	411	0.63	-10.80	-10.02	-0.15	-2.89	1899.44	-1200.27	623.68	75.49 1525.42
1	216	412	3.54	-31.94	-31.88	3.48	-1.47	1078.57	-1706.41	1021.77	-1649.62-393.62
1	216	413	1.10	-7.50	-7.33	0.93	-1.18	1415.05	-1114.18	-275.19	576.06-1190.84
1	216	414	25.95	-2.59	25.82	-2.46	-1.98	649.93	-1936.76	-1928.85	642.02 -142.80
1	216	415	31.40	-2.67	31.26	-2.53	-2.18	708.58	-2280.68	-2110.43	538.33 692.78
1	216	416	11.05	-0.59	10.46	2.30e-03	-2.56	1313.83	-1799.70	-822.49	336.61 1444.87
1	216	417	3.88	-16.08	-15.96	3.76	-1.57	765.21	-1932.89	719.68	-1887.36 347.53
1	216	418	2.65	-4.16	-4.09	2.58	0.68	2161.22	-1330.98	722.17	108.07-1718.89
1	216	419	22.29	0.98	22.16	1.11	1.68	1247.06	-1260.96	-766.50	752.60 -997.82
1	216	420	39.56	0.17	39.28	0.45	3.30	826.47	-1020.29	-980.55	786.73 -267.98
1	216	421	47.86	-0.62	46.91	0.33	6.71	735.58	-1121.06	-1065.66	680.17 315.91
1	216	422	47.88	-3.28	46.09	-1.49	9.39	766.47	-1528.22	-1225.23	463.47 776.84
1	216	423	31.68	-2.29	31.64	-2.25	1.24	1392.21	-2117.07	-679.02	-45.841725.84
1	216	424	1.09	-10.16	-10.07	0.99	1.05	1469.82	-1994.63	1454.23	-1979.04 231.88
1	216	425	1.26	-4.69	-3.94	0.51	1.98	1550.59	-560.19	558.53	431.88-1053.49
1	216	426	0.75	-0.98	0.61	-0.84	0.48	457.61	-45.53	-24.94	437.02 -99.67
1	216	427	0.67	0.56	0.60	0.63	-5.05e-02	5.02	-93.71	-19.17	-69.53-42.46
1	216	428	0.32	-1.42	-1.37	0.27	-0.27	328.43	-22.11	327.94	-21.6313.06
1	216	429	-0.40	-4.27	-3.97	-0.69	1.03	1026.55	46.18	1026.27	46.46 -16.50
1	216	430	-0.23	-5.69	-5.60	-0.32	-0.69	354.99	-3.72	312.36	38.90 -116.07
1	216	431	4.84	0.33	4.83	0.35	-0.28	-14.99	-660.34	-640.54	-34.79-111.28
1	216	432	8.78	0.32	8.78	0.32	-1.41e-02	-57.15	-921.64	-921.63	-57.16-1.75
1	216	433	1.05	0.54	1.02	0.57	0.11	-15.94	-760.44	-743.32	-33.06111.58
1	216	434	-0.26	-16.54	-16.53	-0.27	-0.37	325.77	30.90	289.48	67.18 96.86
1	216	435	-1.48	-17.33	-17.28	-1.53	0.88	939.91	4.56	939.91	4.57 2.51
1	216	436	-0.27	-9.57	-9.53	-0.31	-0.57	21.27	-323.89	-294.57	-8.05-96.23
1	216	437	14.93	0.78	14.93	0.78	-6.62e-02	-24.65	-1825.36	-1825.31	-24.70-9.74
1	216	438	20.00	0.79	20.00	0.79	-0.25	-0.41	-1994.29	-1988.26	-6.44109.52
1	216	439	5.71	4.08e-02	5.64	0.11	0.60	54.67	-859.54	-838.47	33.60 137.18
1	216	440	-1.26	-4.98	-4.98	-1.27	-4.00e-02	625.37	34.96	625.37	34.96 -1.47
1	216	441	-0.72	-3.83	-3.83	-0.72	-0.10	408.85	5.14	361.53	52.46 -129.86
1	216	442	15.70	0.30	15.70	0.30	-0.26	3.99	-668.61	-629.71	-34.91-157.01
1	216	443	33.46	0.27	33.45	0.27	9.55e-02	-50.67	-970.46	-968.19	-52.94-45.66
1	216	444	44.01	0.24	44.01	0.25	0.18	-46.31	-1074.94	-1071.97	-49.2855.20
1	216	445	47.20	0.27	47.20	0.27	0.20	-10.26	-1204.22	-1190.77	-

23.70125.97
1 216 446 34.02 1.17 33.97 1.22 1.28 136.32 -547.62 -490.83
79.53 188.72
1 216 447 14.92 -1.60 14.81 -1.48 -1.35 1152.38 0.12 1148.40
4.10 67.61
1 216 448 0.50 -0.42 0.36 -0.28 -0.33 449.00 -8.16 447.83 -
7.00-23.02
1 216 449 0.40 -0.19 -0.14 0.36 -0.16 -0.64 -87.21 -33.39 -
54.4641.98

M_G		N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M
2M 1-2										
			-1433.12	-637.08	-1411.12	-216.11		-1.236e+04	-1.108e+04	-
9968.80-5272.63										
		289.15		145.55	289.15	176.66	2.079e+04		1.449e+04	
1.841e+046037.28										

Macro	Tipo	Angolo 1-X (gradi)
13	**Guscio**	**0.0**

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M
2M 1-2											
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	
daN	daN										
13	5	776	13.25	-88.44	-70.86	-4.33	-38.45	170.09	70.87	74.86	
166.11	19.49										
13	5	777	3.28	-38.51	-31.41	-3.82	-15.69	99.68	-25.23	-15.48	
89.93	-33.51										
13	5	778	11.34	-4.02	2.14	5.18	-7.53	58.73	-40.43	34.22	-
15.93-42.77											
13	5	780	32.72	-21.49	11.64	-0.40	-26.43	3.51	-44.61	-20.53	-
20.5724.06											
13	5	781	22.85	-37.51	3.17	-17.83	-28.30	-18.98	-203.16	-164.30	-
57.84-75.14											
13	5	782	19.23	-20.27	-1.19	0.16	-19.74	190.18	16.80	170.45	
36.52	-55.05										
13	5	784	30.64	-45.16	3.20	-17.72	-36.43	-45.66	-189.01	-188.71	-
45.96-6.52											
13	5	785	17.25	-36.19	2.89	-21.83	-23.69	-35.66	-251.60	-227.88	-
59.37-67.52											
13	5	786	5.72	-23.22	-1.05	-16.45	-12.25	270.62	46.37	265.08	
51.91	-34.80										
13	5	788	23.73	-56.82	3.23	-36.32	-35.09	-90.60	-292.43	-291.03	-
92.00-16.76											
13	5	789	10.27	-42.22	-0.71	-31.24	-21.35	-59.49	-267.08	-247.73	-
78.84-60.36											
13	5	790	0.43	-34.08	-2.39	-31.25	-9.46	333.75	45.86	331.50	
48.11	-25.34										
13	5	792	14.71	-62.18	3.41	-50.88	-27.23	-123.53	-359.53	-357.99	-
125.07-19.03											
13	5	793	4.76	-47.52	-3.11	-39.66	-18.69	-79.72	-267.04	-253.84	-
92.92-47.94											
13	5	794	-0.49	-45.68	-3.23	-42.94	-10.80	383.54	44.21	382.22	
45.53	-21.14										
13	5	796	7.49	-59.62	3.21	-55.33	-16.41	-128.28	-386.46	-385.67	-
129.08-14.27											
13	5	797	2.02	-49.69	-3.24	-44.42	-15.64	-85.49	-265.79	-259.09	-
92.19-34.11											
13	5	798	0.60	-51.94	-3.44	-47.90	-14.00	413.61	49.31	412.49	
50.44	-20.22										
13	5	800	4.74	-51.25	3.45	-49.97	-8.38	-114.09	-399.47	-399.32	-
114.24-6.55											
13	5	801	2.31	-47.95	-0.96	-44.68	-12.40	-76.30	-270.18	-267.03	-
79.44-24.49											

13	5	802	2.06	-49.98	-2.99	-44.93	-15.40	423.67	63.74	422.65	64.76 -19.15
13	5	804	5.04	-42.58	4.44	-41.98	-5.28	-101.14	-421.60	-421.58	-101.16-2.45
13	5	805	3.85	-44.67	2.12	-42.94	-8.99	-65.52	-276.52	-275.15	-66.90-16.98
13	5	806	1.48	-42.23	-2.30	-38.46	-12.28	423.90	81.29	423.28	81.91 -14.55
13	5	808	5.77	-39.13	5.07	-38.43	-5.54	-97.09	-435.28	-435.20	-97.17-5.25
13	5	809	4.19	-42.71	3.55	-42.07	-5.44	-61.89	-279.02	-278.70	-62.21-8.28
13	5	810	-1.16	-36.11	-1.97	-35.31	-5.26	422.79	89.67	422.71	89.75 -5.17
13	5	812	5.14	-42.86	4.43	-42.15	-5.81	-101.11	-421.93	-421.73	-101.31-7.96
13	5	813	2.17	-43.31	2.09	-43.23	-1.88	-67.14	-275.12	-275.12	-67.140.33
13	5	814	-2.22	-39.03	-2.30	-38.94	1.77	423.77	81.50	423.72	81.55 4.14
13	5	816	3.57	-50.47	3.44	-50.35	-2.64	-114.94	-400.54	-400.49	-114.99-3.78
13	5	817	-0.98	-45.27	-1.03	-45.21	1.55	-79.82	-267.44	-267.13	-80.137.61
13	5	818	-2.47	-46.39	-3.01	-45.85	4.82	423.98	63.85	423.77	64.06 8.62
13	5	820	3.73	-56.35	3.21	-55.82	5.59	-130.47	-388.68	-388.62	-130.544.00
13	5	821	-2.81	-45.61	-3.36	-45.06	4.81	-91.51	-261.17	-259.45	-93.2317.01
13	5	822	-3.24	-49.34	-3.47	-49.11	3.25	414.87	49.38	414.62	49.63 9.57
13	5	824	8.11	-55.92	3.41	-51.21	16.71	-126.52	-363.32	-362.97	-126.869.03
13	5	825	-1.65	-41.76	-3.27	-40.15	7.89	-88.22	-260.48	-254.85	-93.8630.63
13	5	826	-3.27	-44.16	-3.28	-44.16	-0.20	386.07	44.72	385.76	45.03 10.22
13	5	828	15.22	-48.26	3.22	-36.27	24.85	-93.63	-299.59	-299.31	-93.907.48
13	5	829	2.44	-34.67	-0.88	-31.35	10.59	-69.05	-260.21	-250.13	-79.1342.73
13	5	830	-2.34	-32.31	-2.45	-32.20	-1.81	337.64	47.93	336.97	48.60 13.90
13	5	832	21.38	-35.23	3.22	-17.07	26.43	-47.29	-203.36	-203.34	-47.30-1.46
13	5	833	8.54	-27.02	2.86	-21.35	13.02	-45.36	-246.10	-232.98	-58.4949.62
13	5	834	-1.10	-16.76	-1.14	-16.72	0.74	274.52	52.02	272.26	54.27 22.30
13	5	836	22.52	-11.60	10.22	0.70	16.38	1.11	-66.84	-50.05	-15.69-29.31
13	5	837	14.38	-26.45	4.56	-16.62	17.45	-32.24	-198.19	-175.85	-54.5956.65
13	5	838	8.76	-8.58	-1.26	1.45	8.56	190.86	33.44	179.13	45.17 41.34
13	5	853	9.50	-67.61	-56.53	-1.59	27.06	119.16	36.02	39.49	115.70 -16.62
13	5	854	-2.73	-29.75	-27.91	-4.56	6.80	94.07	-41.99	-37.28	89.37 24.86
13	5	855	6.55	1.06	2.51	5.09	2.42	84.60	-14.52	56.28	13.80 44.78
13	67	776	24.93	-101.80	-83.39	6.53	-44.65	165.66	67.59	73.04	160.20 22.48
13	67	777	0.25	-50.37	-42.15	-7.97	-18.67	107.98	-27.35	-17.99	98.62 -34.35
13	67	778	16.56	-13.54	-3.27	6.30	-14.27	45.50	-43.17	24.00	-21.67-38.00
13	67	780	48.82	-13.98	19.32	15.52	-31.34	-2.19	-58.40	-38.23	-22.3626.97

13	67	781	29.34	-39.38	6.71	-16.75	-32.29	-21.81	-212.25	-176.67	-57.38-74.22
13	67	782	26.58	-23.12	1.12	2.34	-24.85	185.42	11.44	162.59	34.27 -58.74
13	67	784	41.93	-39.06	4.53	-1.66	-40.38	-35.53	-184.43	-182.95	-37.02-14.78
13	67	785	22.54	-36.75	2.87	-17.08	-27.92	-34.86	-256.58	-232.78	-58.66-68.64
13	67	786	10.57	-24.35	-0.48	-13.30	-16.24	255.87	45.12	249.44	51.55 -36.26
13	67	788	33.55	-49.54	4.57	-20.56	-39.60	-77.20	-279.76	-276.48	-80.48-25.58
13	67	789	14.88	-40.27	-0.68	-24.71	-24.82	-50.04	-268.66	-247.63	-71.06-64.46
13	67	790	1.66	-32.59	-3.33	-27.61	-12.07	319.55	46.42	316.55	49.41 -28.45
13	67	792	21.11	-54.70	3.65	-37.23	-31.92	-111.08	-342.00	-338.76	-114.32-27.16
13	67	793	8.40	-45.21	-3.23	-33.58	-22.09	-69.66	-266.98	-250.54	-86.11-54.54
13	67	794	0.21	-43.75	-4.01	-39.53	-12.95	371.42	44.45	369.22	46.65 -26.76
13	67	796	11.56	-52.81	3.49	-44.73	-21.32	-119.07	-369.27	-367.31	-121.03-22.06
13	67	797	4.87	-47.59	-3.32	-39.40	-19.04	-77.52	-265.42	-255.24	-87.70-42.53
13	67	798	1.42	-50.62	-4.12	-45.08	-16.05	403.78	47.98	401.61	50.15 -27.70
13	67	800	7.23	-46.28	3.68	-42.73	-13.31	-108.05	-385.66	-384.92	-108.79-14.31
13	67	801	4.44	-46.57	-1.04	-41.08	-15.80	-70.93	-270.04	-263.99	-76.97-34.16
13	67	802	3.12	-49.45	-3.48	-42.86	-17.41	416.44	61.57	414.26	63.76 -27.76
13	67	804	6.92	-40.44	4.60	-38.12	-10.23	-97.65	-413.09	-412.73	-98.01-10.67
13	67	805	5.40	-44.20	2.07	-40.87	-12.41	-62.13	-276.92	-273.35	-65.69-27.43
13	67	806	2.60	-42.38	-2.55	-37.22	-14.33	419.69	79.46	418.03	81.12 -23.71
13	67	808	7.48	-40.62	5.05	-38.19	-10.53	-95.11	-430.89	-430.32	-95.69-13.86
13	67	809	5.23	-43.43	3.54	-41.74	-8.90	-59.94	-279.18	-277.52	-61.60-19.01
13	67	810	-0.39	-36.12	-1.97	-34.53	-7.35	420.84	88.78	420.20	89.42 -14.52
13	67	812	6.50	-47.79	4.24	-45.53	-10.84	-102.53	-427.81	-427.00	-103.34-16.23
13	67	813	2.71	-45.21	2.10	-44.60	-5.37	-67.41	-276.61	-276.11	-67.91-10.20
13	67	814	-2.02	-39.31	-2.02	-39.31	-0.34	427.08	81.53	427.01	81.60 -5.11
13	67	816	4.16	-58.07	3.18	-57.09	-7.73	-118.73	-411.07	-410.61	-119.20-11.66
13	67	817	-0.88	-48.14	-0.97	-48.06	-1.99	-82.33	-269.19	-269.16	-82.36-2.23
13	67	818	-2.33	-47.88	-2.49	-47.72	2.70	429.90	64.33	429.90	64.33 -0.14
13	67	820	2.92	-65.98	2.92	-65.97	0.44	-137.33	-402.74	-402.69	-137.39-3.96
13	67	821	-3.26	-49.42	-3.29	-49.39	1.22	-96.79	-262.75	-262.33	-97.218.34
13	67	822	-2.74	-51.72	-2.76	-51.70	1.05	423.13	49.73	423.12	49.74 1.87
13	67	824	4.52	-66.46	2.53	-64.48	11.71	-136.42	-377.88	-377.88	-136.420.71
13	67	825	-2.74	-46.03	-3.17	-45.61	4.25	-96.65	-260.73	-257.22	-100.1623.74
13	67	826	-2.32	-47.49	-2.47	-47.35	-2.52	396.35	43.64	396.29	

43.69	4.36										
13	67	828	8.49	-58.37	1.85	-51.73	19.99	-104.57	-309.79	-309.78	-104.58
-1.56											
13	67	829	0.34	-38.62	-0.90	-37.38	6.85	-77.98	-257.95	-249.44	-86.50
38.22											
13	67	830	-0.86	-36.38	-1.47	-35.77	-4.63	349.74	46.88	349.38	
47.25	10.47										
13	67	832	12.60	-43.77	1.82	-32.99	22.17	-54.90	-209.43	-208.84	-55.49
-9.56											
13	67	833	5.19	-28.04	2.83	-25.69	8.53	-46.57	-242.17	-229.52	-59.21
48.10											
13	67	834	-1.09	-20.55	-1.73	-19.91	-3.47	287.26	52.22	285.40	
54.08	20.81										
13	67	836	7.80	-20.36	2.57	-15.13	10.95	5.17	-51.08	-31.63	-14.28
-26.76											
13	67	837	7.99	-24.44	1.05	-17.50	13.29	-31.45	-187.45	-163.34	-55.56
56.39											
13	67	838	1.41	-5.76	-3.57	-0.78	3.31	196.16	38.60	186.70	
48.06	37.43										
13	67	853	-1.86	-53.44	-43.16	-12.13	20.60	125.26	37.31	41.92	
120.65	-19.60										
13	67	854	0.48	-17.20	-16.49	-0.22	3.47	85.09	-39.10	-34.14	
80.13	24.31										
13	67	855	11.12	1.24	8.37	4.00	-4.43	99.92	-11.25	67.48	
21.19	50.54										
13	107	776	10.11	-67.41	-54.03	-3.28	-29.30	129.98	54.10	57.23	
126.84	15.10										
13	107	777	2.49	-29.39	-23.97	-2.93	-11.98	76.52	-19.30	-11.89	
69.11	-25.60										
13	107	778	8.68	-3.08	1.64	3.96	-5.76	45.12	-30.90	26.21	-11.99
-32.86											
13	107	780	24.98	-16.38	8.88	-0.28	-20.16	2.95	-34.10	-15.51	-15.64
18.53											
13	107	781	17.44	-28.61	2.43	-13.60	-21.58	-14.95	-155.88	-126.31	-44.52
-57.38											
13	107	782	14.68	-15.45	-0.91	0.14	-15.06	145.57	12.80	130.45	
27.93	-42.18										
13	107	784	23.40	-34.48	2.45	-13.53	-27.82	-34.74	-144.10	-143.87	-34.97
-4.97											
13	107	785	13.16	-27.61	2.22	-16.67	-18.06	-27.50	-193.10	-175.09	-45.51
-51.56											
13	107	786	4.34	-17.67	-0.80	-12.53	-9.31	207.00	35.57	202.77	
39.80	-26.60										
13	107	788	18.11	-43.43	2.46	-27.78	-26.80	-69.09	-223.01	-221.94	-70.16
-12.82											
13	107	789	7.82	-32.24	-0.54	-23.88	-16.28	-45.70	-204.94	-190.25	-60.38
-46.07											
13	107	790	0.30	-26.00	-1.83	-23.87	-7.17	255.16	35.14	253.45	
36.85	-19.34										
13	107	792	11.21	-47.55	2.60	-38.94	-20.78	-94.27	-274.17	-272.99	-95.45
-14.54											
13	107	793	3.60	-36.30	-2.38	-30.32	-14.25	-61.16	-204.90	-194.89	-71.17
-36.59											
13	107	794	-0.39	-34.89	-2.47	-32.82	-8.21	293.13	33.81	292.12	
34.82	-16.13										
13	107	796	5.70	-45.59	2.45	-42.34	-12.50	-97.90	-294.73	-294.12	-98.50
-10.87											
13	107	797	1.52	-37.96	-2.49	-33.96	-11.92	-65.53	-203.97	-198.89	-70.61
-26.01											
13	107	798	0.45	-39.69	-2.63	-36.62	-10.68	316.07	37.70	315.21	
38.56	-15.43										
13	107	800	3.60	-39.17	2.63	-38.21	-6.35	-87.00	-304.69	-304.58	-87.11
-4.96											
13	107	801	1.75	-36.63	-0.74	-34.14	-9.45	-58.44	-207.35	-204.97	-60.82
-18.67											
13	107	802	1.57	-38.18	-2.28	-34.32	-11.77	323.78	48.78	323.00	
49.56	-14.61										
13	107	804	3.84	-32.51	3.39	-32.06	-3.99	-77.01	-321.60	-321.59	-77.03
-1.84											

13	107	805	2.94	-34.11	1.63	-32.80	-6.84	-50.11	-212.22	-211.18	-51.15-12.94
13	107	806	1.13	-32.23	-1.75	-29.35	-9.38	324.00	62.28	323.52	62.75 -11.09
13	107	808	4.40	-29.86	3.87	-29.33	-4.22	-73.87	-332.04	-331.98	-73.93-3.99
13	107	809	3.21	-32.61	2.73	-32.13	-4.14	-47.29	-214.14	-213.90	-47.53-6.30
13	107	810	-0.89	-27.54	-1.50	-26.92	-3.99	323.17	68.73	323.11	68.79 -3.93
13	107	812	3.93	-32.74	3.38	-32.19	-4.44	-77.00	-321.87	-321.72	-77.15-6.08
13	107	813	1.66	-33.08	1.61	-33.02	-1.42	-51.34	-211.16	-211.16	-51.340.27
13	107	814	-1.69	-29.79	-1.76	-29.72	1.39	323.92	62.44	323.88	62.48 3.18
13	107	816	2.72	-38.59	2.63	-38.49	-2.02	-87.65	-305.55	-305.51	-87.69-2.89
13	107	817	-0.75	-34.59	-0.79	-34.55	1.20	-61.11	-205.28	-205.05	-61.355.83
13	107	818	-1.88	-35.45	-2.30	-35.03	3.72	324.06	48.87	323.90	49.03 6.61
13	107	820	2.85	-43.11	2.45	-42.71	4.28	-99.58	-296.48	-296.43	-99.633.06
13	107	821	-2.16	-34.87	-2.58	-34.45	3.69	-70.10	-200.48	-199.17	-71.4113.01
13	107	822	-2.47	-37.72	-2.65	-37.54	2.50	317.09	37.76	316.90	37.95 7.33
13	107	824	6.20	-42.79	2.60	-39.19	12.79	-96.57	-277.14	-276.87	-96.846.94
13	107	825	-1.27	-31.93	-2.51	-30.69	6.04	-67.60	-199.94	-195.66	-71.8823.41
13	107	826	-2.50	-33.76	-2.50	-33.76	-0.15	295.14	34.22	294.91	34.45 7.82
13	107	828	11.65	-36.92	2.46	-27.74	19.02	-71.42	-228.56	-228.35	-71.635.77
13	107	829	1.87	-26.50	-0.67	-23.96	8.10	-52.94	-199.75	-192.08	-60.6032.66
13	107	830	-1.79	-24.68	-1.87	-24.59	-1.39	258.23	36.73	257.72	37.25 10.64
13	107	832	16.37	-26.93	2.46	-13.02	20.22	-35.99	-155.13	-155.12	-36.00-1.10
13	107	833	6.54	-20.65	2.20	-16.31	9.96	-34.84	-188.95	-178.97	-44.8337.94
13	107	834	-0.84	-12.78	-0.87	-12.75	0.56	210.08	39.90	208.34	41.63 17.08
13	107	836	17.22	-8.84	7.81	0.57	12.52	1.08	-50.97	-37.99	-11.90-22.52
13	107	837	11.01	-20.21	3.50	-12.70	13.34	-24.96	-152.16	-135.14	-41.9843.30
13	107	838	6.73	-6.57	-0.97	1.13	6.57	146.15	25.55	137.14	34.57 31.72
13	107	853	7.27	-51.66	-43.19	-1.19	20.67	91.24	27.61	30.34	88.51 -12.88
13	107	854	-2.09	-22.77	-21.36	-3.50	5.21	72.15	-32.22	-28.64	68.58 18.98
13	107	855	5.03	0.80	1.92	3.91	1.87	64.86	-11.18	43.08	10.60 34.38
13	138	776	17.89	-76.31	-62.38	3.96	-33.44	127.02	51.90	56.02	122.90 17.10
13	138	777	0.47	-37.30	-31.13	-5.70	-13.96	82.06	-20.71	-13.56	74.91 -26.15
13	138	778	12.15	-9.41	-1.97	4.71	-10.25	36.30	-32.72	19.40	-15.82-29.68
13	138	780	35.68	-11.34	14.00	10.34	-23.44	-0.95	-43.20	-27.31	-16.8420.46
13	138	781	21.76	-29.85	4.80	-12.88	-24.25	-16.84	-161.94	-134.56	-44.21-56.77
13	138	782	19.58	-17.35	0.63	1.59	-18.46	142.39	9.24	125.21	

26.43	-44.64										
13	138	784	30.86	-30.35	3.33	-2.82	-30.45	-28.03	-141.01	-140.03	-
29.00	-10.47										
13	138	785	16.66	-27.96	2.20	-13.51	-20.88	-26.97	-196.43	-178.36	-
45.04	-52.30										
13	138	786	7.55	-18.41	-0.42	-10.43	-11.97	197.17	34.74	192.34	
39.57	-27.57										
13	138	788	24.58	-38.50	3.36	-17.27	-29.81	-60.19	-214.53	-212.23	-
62.49	-18.70										
13	138	789	10.85	-30.90	-0.53	-19.52	-18.59	-39.40	-205.99	-190.19	-
55.20	-48.81										
13	138	790	1.08	-24.97	-2.45	-21.44	-8.92	245.69	35.52	243.48	
37.72	-21.41										
13	138	792	15.40	-42.48	2.76	-29.84	-23.91	-86.00	-262.46	-260.17	-
88.28	-19.96										
13	138	793	5.99	-34.72	-2.46	-26.27	-16.52	-54.47	-204.84	-192.69	-
66.63	-40.98										
13	138	794	5.07e-02	-33.59	-2.99	-30.55	-9.64	285.04	33.98	283.45	
35.57	-19.87										
13	138	796	8.34	-40.98	2.63	-35.27	-15.77	-91.78	-283.24	-281.88	-
93.14	-16.06										
13	138	797	3.38	-36.53	-2.54	-30.61	-14.19	-60.26	-203.68	-196.33	-
67.62	-31.63										
13	138	798	0.98	-38.79	-3.08	-34.73	-12.04	309.50	36.83	307.96	
38.36	-20.41										
13	138	800	5.19	-35.79	2.79	-33.39	-9.64	-82.99	-295.47	-294.98	-
83.48	-10.14										
13	138	801	3.14	-35.68	-0.79	-31.74	-11.72	-54.91	-207.21	-202.94	-
59.17	-25.12										
13	138	802	2.27	-37.82	-2.61	-32.94	-13.10	318.94	47.36	317.41	
48.89	-20.35										
13	138	804	5.04	-31.03	3.50	-29.49	-7.29	-74.71	-315.91	-315.69	-
74.93	-7.32										
13	138	805	3.95	-33.77	1.59	-31.42	-9.12	-47.90	-212.43	-209.98	-
50.35	-19.90										
13	138	806	1.88	-32.32	-1.92	-28.52	-10.74	321.17	61.08	320.02	
62.23	-17.21										
13	138	808	5.50	-30.81	3.86	-29.17	-7.54	-72.57	-329.10	-328.73	-
72.94	-9.73										
13	138	809	3.88	-33.07	2.72	-31.91	-6.44	-46.04	-214.19	-213.11	-
47.12	-13.45										
13	138	810	-0.39	-27.53	-1.50	-26.41	-5.39	321.85	68.16	321.44	
68.57	-10.16										
13	138	812	4.80	-35.99	3.25	-34.44	-7.80	-77.96	-325.78	-325.23	-
78.50	-11.59										
13	138	813	2.00	-34.32	1.61	-33.93	-3.75	-51.57	-212.10	-211.82	-
51.85	-6.75										
13	138	814	-1.57	-29.96	-1.57	-29.96	-1.41e-02	326.11	62.48	326.07	
62.52	-2.99										
13	138	816	3.09	-43.63	2.45	-42.99	-5.42	-90.20	-312.56	-312.26	-
90.50	-8.14										
13	138	817	-0.71	-36.49	-0.75	-36.45	-1.16	-62.83	-206.40	-206.40	-
62.83	-0.73										
13	138	818	-1.80	-36.43	-1.96	-36.28	2.31	327.99	49.21	327.99	
49.21	0.77										
13	138	820	2.27	-49.49	2.25	-49.48	0.85	-104.18	-305.83	-305.81	-
104.20	-2.24										
13	138	821	-2.49	-37.38	-2.53	-37.33	1.30	-73.65	-201.50	-201.09	-
74.06	7.23										
13	138	822	-2.15	-39.30	-2.18	-39.27	1.04	322.58	38.01	322.57	
38.02	2.20										
13	138	824	3.74	-49.76	2.01	-48.03	9.46	-103.20	-286.82	-286.81	-
103.21	1.39										
13	138	825	-2.04	-34.74	-2.44	-34.33	3.62	-73.23	-200.10	-197.24	-
76.08	18.82										
13	138	826	-1.88	-35.97	-1.96	-35.88	-1.70	301.98	33.50	301.93	
33.56	3.91										
13	138	828	7.07	-43.56	1.54	-38.04	15.78	-78.75	-235.32	-235.32	-
78.75	-0.26										

13	138	829	0.42	-29.09	-0.69	-27.98	5.61	-58.89	-198.24	-191.62
-65.5229.65										
13	138	830	-0.81	-27.38	-1.22	-26.97	-3.27	266.29	36.04	265.99
36.34	8.35									
13	138	832	10.41	-32.51	1.53	-23.64	17.38	-41.10	-159.14	-158.78
-41.46-6.50										
13	138	833	4.24	-21.27	2.18	-19.20	6.96	-35.64	-186.33	-176.66
-45.3136.92										
13	138	834	-0.90	-15.24	-1.26	-14.88	-2.24	218.56	40.04	217.10
41.50	16.09									
13	138	836	7.29	-14.56	2.71	-9.98	8.90	3.75	-40.42	-25.72
-10.96-20.82										
13	138	837	6.74	-18.87	1.16	-13.29	10.57	-24.45	-144.97	-126.79
-42.6343.13										
13	138	838	1.82	-4.67	-2.50	-0.36	3.06	149.68	29.00	142.19
36.49	29.11									
13	138	853	-0.34	-42.17	-34.28	-8.23	16.36	95.30	28.47	31.95
91.82	-14.86									
13	138	854	4.20e-02	-14.40	-13.75	-0.61	2.99	66.16	-30.29	-26.55
62.42	18.62									
13	138	855	7.51	1.49	5.83	3.17	-2.70	75.08	-9.01	50.54
15.53	38.22									
13	158	776	9.66	-64.09	-51.44	-2.99	-27.80	125.45	51.36	54.89
121.92	15.79									
13	158	777	2.23	-27.97	-22.80	-2.94	-11.38	76.45	-18.12	-11.30
69.63	-24.46									
13	158	778	8.35	-2.88	1.61	3.86	-5.51	45.45	-29.21	25.99
-9.75-32.77										
13	158	780	23.88	-15.62	8.50	-0.24	-19.26	4.43	-33.15	-13.82
-14.9018.78										
13	158	781	16.57	-27.26	2.43	-13.13	-20.49	-17.42	-153.49	-125.96
-44.94-54.66										
13	158	782	13.76	-14.51	-0.88	0.13	-14.13	141.34	12.05	126.47
26.93	-41.26									
13	158	784	22.39	-33.24	2.35	-13.19	-26.71	-32.93	-136.01	-135.81
-33.13-4.53										
13	158	785	12.38	-26.48	2.15	-16.26	-17.12	-28.68	-190.74	-174.20
-45.22-49.06										
13	158	786	3.77	-16.75	-0.76	-12.22	-8.51	199.45	34.29	195.42
38.33	-25.51									
13	158	788	17.24	-42.08	2.34	-27.18	-25.73	-66.12	-211.17	-210.12
-67.16-12.24										
13	158	789	7.22	-31.11	-0.56	-23.33	-15.41	-46.18	-202.29	-188.85
-59.62-43.80										
13	158	790	4.40e-02	-25.14	-1.75	-23.35	-6.48	245.21	33.47	243.61
35.07	-18.33									
13	158	792	10.57	-46.21	2.46	-38.11	-19.86	-90.47	-259.75	-258.61
-91.61-13.84										
13	158	793	3.17	-35.18	-2.37	-29.63	-13.48	-61.04	-202.29	-193.18
-70.15-34.69										
13	158	794	-0.56	-33.96	-2.37	-32.14	-7.57	281.34	31.83	280.40
32.76	-15.23									
13	158	796	5.28	-44.37	2.31	-41.40	-11.78	-93.90	-279.15	-278.59
-94.46-10.19										
13	158	797	1.22	-36.87	-2.47	-33.17	-11.27	-65.04	-201.55	-196.98
-69.61-24.55										
13	158	798	0.30	-38.67	-2.52	-35.85	-10.10	303.02	35.45	302.22
36.25	-14.66									
13	158	800	3.33	-38.07	2.50	-37.25	-5.80	-82.98	-288.47	-288.37
-83.08-4.50										
13	158	801	1.55	-35.58	-0.74	-33.30	-8.92	-57.80	-205.01	-202.89
-59.92-17.54										
13	158	802	1.45	-37.15	-2.18	-33.52	-11.26	310.04	46.30	309.30
47.04	-13.95									
13	158	804	3.60	-31.47	3.23	-31.10	-3.58	-72.79	-304.34	-304.33
-72.80-1.58										
13	158	805	2.80	-33.12	1.60	-31.93	-6.44	-49.30	-209.87	-208.95
-50.22-12.13										
13	158	806	1.07	-31.28	-1.65	-28.56	-8.98	309.91	59.63	309.46

60.08	-10.59										
13	158	808	4.17	-28.84	3.69	-28.36	-3.94	-69.47	-314.17	-314.11	-
69.53	-3.73										
13	158	809	3.12	-31.68	2.69	-31.25	-3.87	-46.32	-211.83	-211.62	-
46.53	-5.90										
13	158	810	-0.85	-26.69	-1.40	-26.14	-3.73	309.01	66.01	308.95	
66.06	-3.67										
13	158	812	3.76	-31.75	3.22	-31.22	-4.31	-72.79	-304.70	-304.55	-
72.93	-5.82										
13	158	813	1.63	-32.19	1.58	-32.14	-1.28	-50.39	-208.93	-208.93	-
50.40	0.25										
13	158	814	-1.57	-29.01	-1.66	-28.92	1.53	309.94	59.80	309.90	
59.84	3.20										
13	158	816	2.60	-37.61	2.49	-37.51	-2.03	-83.64	-289.49	-289.45	-
83.68	-2.84										
13	158	817	-0.75	-33.73	-0.79	-33.69	1.21	-60.22	-203.17	-202.96	-
60.43	5.49										
13	158	818	-1.76	-34.66	-2.19	-34.22	3.75	310.51	46.41	310.35	
46.57	6.47										
13	158	820	2.69	-42.11	2.31	-41.73	4.10	-95.54	-281.13	-281.08	-
95.59	2.89										
13	158	821	-2.16	-34.05	-2.56	-33.64	3.58	-69.19	-198.43	-197.24	-
70.38	12.35										
13	158	822	-2.37	-36.94	-2.55	-36.76	2.47	304.30	35.53	304.12	
35.72	7.08										
13	158	824	5.94	-41.80	2.46	-38.32	12.41	-92.73	-262.96	-262.70	-
93.00	6.73										
13	158	825	-1.32	-31.18	-2.50	-29.99	5.82	-66.91	-197.84	-193.91	-
70.83	22.32										
13	158	826	-2.41	-33.08	-2.41	-33.07	-0.24	283.66	32.26	283.44	
32.48	7.45										
13	158	828	11.25	-36.01	2.34	-27.10	18.48	-68.41	-216.89	-216.68	-
68.63	5.63										
13	158	829	1.73	-25.82	-0.68	-23.42	7.78	-52.76	-197.64	-190.58	-
59.82	31.19										
13	158	830	-1.69	-24.18	-1.80	-24.07	-1.53	248.59	35.03	248.11	
35.52	10.14										
13	158	832	15.87	-26.17	2.37	-12.67	19.63	-34.13	-146.95	-146.93	-
34.14	-1.18										
13	158	833	6.27	-20.03	2.15	-15.91	9.56	-35.28	-187.08	-177.87	-
44.50	36.25										
13	158	834	-0.81	-12.45	-0.82	-12.44	0.34	202.78	38.48	201.10	
40.16	16.51										
13	158	836	16.65	-8.47	7.55	0.63	12.08	2.37	-48.54	-35.00	-
11.17	-22.49										
13	158	837	10.63	-19.50	3.47	-12.34	12.83	-26.36	-150.39	-134.54	-
42.21	41.41										
13	158	838	6.41	-6.21	-0.94	1.13	6.22	142.12	24.54	133.16	
33.49	31.20										
13	158	853	7.04	-49.73	-41.63	-1.05	19.85	89.05	26.71	29.76	
86.00	-13.44										
13	158	854	-2.13	-22.03	-20.69	-3.47	5.00	71.73	-31.44	-28.15	
68.44	18.11										
13	158	855	4.93	0.79	1.87	3.85	1.82	64.33	-10.67	42.33	
11.33	34.15										
13	162	776	12.16	-66.35	-53.67	-0.52	-28.89	123.42	50.60	54.56	
119.47	16.51										
13	162	777	1.62	-30.51	-25.08	-3.81	-12.04	77.37	-19.06	-12.33	
70.63	-24.58										
13	162	778	9.52	-5.07	0.38	4.08	-7.06	41.83	-30.23	23.20	-
11.59	-31.55										
13	162	780	27.22	-13.64	10.11	3.47	-20.16	3.10	-35.59	-17.63	-
14.86	19.29										
13	162	781	17.97	-27.40	3.22	-12.65	-21.25	-17.83	-155.34	-128.59	-
44.58	-54.43										
13	162	782	15.55	-15.18	-0.35	0.73	-15.36	139.85	10.85	124.36	
26.35	-41.94										
13	162	784	24.70	-31.33	2.64	-9.27	-27.37	-30.07	-134.63	-134.23	-
30.47	-6.49										

13	162	785	13.53	-26.21	2.17	-14.85	-17.96	-27.77	-191.41	-174.85	-44.33-49.35
13	162	786	4.96	-16.67	-0.63	-11.07	-9.47	196.14	34.65	191.90	38.89 -25.83
13	162	788	19.23	-39.84	2.63	-23.24	-26.56	-62.25	-207.56	-206.14	-63.68-14.33
13	162	789	8.21	-30.16	-0.53	-21.42	-16.09	-43.19	-202.01	-188.24	-56.96-44.69
13	162	790	0.31	-24.19	-1.95	-21.93	-7.08	241.79	34.37	240.03	36.14 -19.05
13	162	792	11.80	-43.90	2.49	-34.59	-20.78	-86.67	-254.69	-253.21	-88.15-15.69
13	162	793	3.95	-34.07	-2.38	-27.74	-14.17	-57.89	-201.54	-191.78	-67.64-36.14
13	162	794	-0.40	-32.83	-2.53	-30.70	-8.04	278.05	32.63	276.94	33.75 -16.49
13	162	796	6.03	-42.20	2.36	-38.53	-12.79	-90.84	-274.25	-273.48	-91.61-11.89
13	162	797	1.82	-35.77	-2.48	-31.46	-11.97	-62.37	-200.66	-195.40	-67.63-26.46
13	162	798	0.51	-37.66	-2.66	-34.50	-10.53	300.27	35.92	299.27	36.92 -16.26
13	162	800	3.75	-36.32	2.54	-35.12	-6.84	-80.73	-284.75	-284.56	-80.92-6.19
13	162	801	1.99	-34.62	-0.75	-31.88	-9.63	-55.71	-204.10	-201.42	-58.38-19.73
13	162	802	1.72	-36.33	-2.29	-32.32	-11.68	308.36	46.73	307.41	47.68 -15.74
13	162	804	3.90	-30.35	3.27	-29.71	-4.62	-71.16	-302.10	-302.05	-71.21-3.38
13	162	805	3.10	-32.34	1.59	-30.83	-7.16	-47.59	-209.00	-207.70	-48.90-14.45
13	162	806	1.34	-30.59	-1.72	-27.53	-9.40	309.50	60.30	308.87	60.93 -12.51
13	162	808	4.46	-28.55	3.69	-27.77	-5.00	-68.19	-312.92	-312.79	-68.32-5.60
13	162	809	3.30	-31.15	2.68	-30.53	-4.59	-44.90	-210.87	-210.47	-45.31-8.22
13	162	810	-0.72	-25.92	-1.42	-25.22	-4.14	309.38	66.95	309.25	67.08 -5.70
13	162	812	4.00	-32.25	3.18	-31.44	-5.38	-72.25	-305.69	-305.44	-72.50-7.59
13	162	813	1.70	-31.93	1.58	-31.81	-2.00	-49.49	-208.32	-208.30	-49.52-1.95
13	162	814	-1.56	-28.30	-1.61	-28.26	1.12	311.24	60.87	311.23	60.88 1.12
13	162	816	2.67	-38.72	2.43	-38.48	-3.12	-83.57	-291.25	-291.15	-83.67-4.53
13	162	817	-0.77	-33.71	-0.78	-33.70	0.48	-59.84	-202.71	-202.62	-59.933.50
13	162	818	-1.73	-34.25	-2.08	-33.90	3.36	311.82	47.43	311.74	47.50 4.50
13	162	820	2.43	-43.67	2.23	-43.47	2.98	-96.06	-283.27	-283.27	-96.071.19
13	162	821	-2.29	-34.26	-2.54	-34.01	2.83	-69.40	-198.03	-197.15	-70.2810.60
13	162	822	-2.26	-36.74	-2.38	-36.62	2.06	305.68	36.39	305.57	36.50 5.41
13	162	824	5.02	-43.55	2.25	-40.78	11.28	-93.92	-265.14	-265.00	-94.075.01
13	162	825	-1.58	-31.54	-2.45	-30.66	5.04	-67.76	-197.23	-193.76	-71.2420.92
13	162	826	-2.20	-33.11	-2.22	-33.10	-0.66	285.49	32.79	285.34	32.94 6.26
13	162	828	9.60	-37.66	2.03	-30.10	17.33	-69.99	-218.46	-218.36	-70.093.82
13	162	829	1.24	-26.19	-0.66	-24.29	6.97	-53.77	-196.55	-189.80	-60.5230.31
13	162	830	-1.40	-24.44	-1.57	-24.26	-2.02	251.19	35.61	250.76	

36.03	9.52										
13	162	832	13.72	-27.51	2.06	-15.86	18.57	-35.24	-147.98	-147.91	-
35.31	-2.80										
13	162	833	5.50	-19.87	2.16	-16.53	8.57	-34.74	-185.77	-176.59	-
43.92	36.09										
13	162	834	-0.94	-12.72	-0.96	-12.71	-0.41	205.78	39.19	204.18	
40.80	16.28										
13	162	836	13.10	-10.05	5.78	-2.72	10.77	3.43	-44.55	-30.62	-
10.49	-21.78										
13	162	837	9.24	-18.89	2.67	-12.32	11.90	-25.87	-147.80	-131.50	-
42.17	41.49										
13	162	838	5.03	-5.72	-1.44	0.74	5.26	143.02	25.61	134.61	
34.02	30.28										
13	162	853	4.42	-46.14	-38.34	-3.38	18.26	89.83	27.24	30.61	
86.46	-14.14										
13	162	854	-1.34	-19.23	-18.11	-2.46	4.34	68.78	-31.06	-27.72	
65.44	17.97										
13	162	855	3.81	2.92	3.16	3.57	0.39	66.88	-10.56	44.19	
12.13	35.24										
13	164	776	9.59	-63.41	-50.89	-2.93	-27.51	124.39	51.34	54.96	
120.78	15.85										
13	164	777	2.29	-27.88	-22.70	-2.89	-11.38	75.52	-18.59	-11.77	
68.70	-24.40										
13	164	778	8.38	-2.97	1.58	3.83	-5.56	44.78	-29.62	25.47	-
10.31	-32.61										
13	164	780	23.70	-15.37	8.40	-6.92e-02	-19.07	4.57	-32.73	-13.70	-
14.46	18.64										
13	164	781	16.53	-26.99	2.43	-12.89	-20.37	-17.20	-153.32	-125.84	-
44.68	-54.64										
13	164	782	13.92	-14.55	-0.87	0.24	-14.22	140.92	12.03	126.10	
26.85	-41.12										
13	164	784	22.31	-32.81	2.34	-12.84	-26.50	-32.25	-135.72	-135.51	-
32.46	-4.65										
13	164	785	12.41	-26.14	2.17	-15.90	-17.02	-27.95	-190.29	-173.76	-
44.49	-49.10										
13	164	786	3.93	-16.47	-0.76	-11.77	-8.59	199.43	34.92	195.38	
38.97	-25.50										
13	164	788	17.19	-41.60	2.33	-26.74	-25.55	-65.18	-210.43	-209.37	-
66.24	-12.37										
13	164	789	7.26	-30.66	-0.53	-22.87	-15.32	-45.29	-201.67	-188.26	-
58.69	-43.78										
13	164	790	0.11	-24.59	-1.74	-22.74	-6.50	244.96	34.24	243.35	
35.85	-18.36										
13	164	792	10.53	-45.72	2.44	-37.63	-19.74	-89.39	-258.63	-257.48	-
90.54	-13.89										
13	164	793	3.21	-34.66	-2.36	-29.09	-13.41	-60.08	-201.60	-192.52	-
69.16	-34.68										
13	164	794	-0.51	-33.30	-2.36	-31.46	-7.56	280.77	32.56	279.83	
33.50	-15.24										
13	164	796	5.26	-43.85	2.29	-40.89	-11.70	-92.84	-278.12	-277.56	-
93.40	-10.16										
13	164	797	1.25	-36.30	-2.46	-32.58	-11.22	-64.05	-200.83	-196.26	-
68.63	-24.59										
13	164	798	0.35	-37.98	-2.51	-35.12	-10.07	302.49	36.18	301.68	
36.98	-14.59										
13	164	800	3.32	-37.55	2.49	-36.72	-5.74	-82.04	-287.86	-287.76	-
82.13	-4.46										
13	164	801	1.57	-34.98	-0.73	-32.67	-8.88	-56.80	-204.23	-202.10	-
58.93	-17.59										
13	164	802	1.50	-36.46	-2.18	-32.78	-11.23	310.00	47.17	309.27	
47.90	-13.82										
13	164	804	3.59	-30.93	3.23	-30.57	-3.52	-71.90	-304.02	-304.01	-
71.91	-1.55										
13	164	805	2.80	-32.49	1.60	-31.29	-6.39	-48.25	-209.02	-208.10	-
49.17	-12.13										
13	164	806	1.10	-30.57	-1.66	-27.81	-8.94	310.48	60.66	310.04	
61.10	-10.47										
13	164	808	4.16	-28.30	3.69	-27.83	-3.89	-68.59	-313.93	-313.88	-
68.65	-3.68										

13	164	809	3.12	-31.04	2.68	-30.61	-3.82	-45.24	-210.94	-210.73	-45.45-5.83
13	164	810	-0.87	-25.94	-1.42	-25.39	-3.68	309.86	67.10	309.80	67.16 -3.62
13	164	812	3.75	-31.21	3.22	-30.68	-4.26	-71.91	-304.42	-304.27	-72.05-5.75
13	164	813	1.62	-31.55	1.58	-31.50	-1.23	-49.34	-208.08	-208.08	-49.340.39
13	164	814	-1.57	-28.27	-1.67	-28.17	1.59	310.54	60.83	310.50	60.87 3.17
13	164	816	2.59	-37.08	2.49	-36.98	-1.99	-82.70	-288.94	-288.90	-82.74-2.78
13	164	817	-0.74	-33.12	-0.79	-33.07	1.27	-59.21	-202.40	-202.17	-59.435.68
13	164	818	-1.73	-33.95	-2.19	-33.48	3.83	310.54	47.28	310.38	47.44 6.44
13	164	820	2.68	-41.61	2.30	-41.22	4.12	-94.50	-280.19	-280.14	-94.552.96
13	164	821	-2.13	-33.47	-2.55	-33.05	3.63	-68.17	-197.73	-196.51	-69.3912.52
13	164	822	-2.34	-36.23	-2.54	-36.04	2.54	303.87	36.28	303.68	36.47 7.12
13	164	824	5.95	-41.34	2.44	-37.83	12.39	-91.66	-261.96	-261.68	-91.946.86
13	164	825	-1.26	-30.66	-2.48	-29.45	5.85	-65.88	-197.18	-193.23	-69.8322.45
13	164	826	-2.39	-32.39	-2.40	-32.39	-0.15	283.22	33.01	283.00	33.24 7.56
13	164	828	11.27	-35.59	2.34	-26.66	18.41	-67.49	-216.27	-216.04	-67.725.83
13	164	829	1.80	-25.41	-0.65	-22.95	7.80	-51.79	-197.05	-189.96	-58.8931.31
13	164	830	-1.70	-23.56	-1.79	-23.47	-1.40	248.51	35.83	248.01	36.33 10.28
13	164	832	15.88	-25.82	2.37	-12.32	19.51	-33.48	-146.70	-146.69	-33.49-1.00
13	164	833	6.35	-19.75	2.17	-15.57	9.57	-34.47	-186.64	-177.36	-43.7636.43
13	164	834	-0.80	-12.02	-0.83	-12.00	0.53	202.96	39.14	201.26	40.84 16.61
13	164	836	16.56	-8.30	7.48	0.79	11.97	2.58	-48.10	-34.71	-10.81-22.34
13	164	837	10.67	-19.34	3.45	-12.12	12.82	-26.01	-150.23	-134.28	-41.9641.55
13	164	838	6.68	-6.37	-0.92	1.24	6.43	141.87	24.44	132.93	33.38 31.15
13	164	853	7.00	-49.34	-41.31	-1.03	19.70	88.47	26.96	30.07	85.36 -13.48
13	164	854	-2.04	-22.03	-20.65	-3.42	5.08	70.79	-31.71	-28.41	67.49 18.09
13	164	855	4.99	0.69	1.86	3.82	1.91	63.47	-11.28	41.70	10.49 33.96
13	177	776	3.51	-38.49	-32.45	-2.54	-14.74	104.63	46.83	48.78	102.68 10.43
13	177	777	0.67	-10.98	-10.11	-0.20	-3.06	85.86	-22.77	-8.21	71.30 -37.01
13	177	778	9.73	4.75	8.02	6.46	2.36	65.56	-28.86	36.05	0.65 -43.77
13	177	780	9.41	-10.23	5.92	-6.74	-7.50	-11.01	-54.07	-40.07	-25.0120.17
13	177	781	8.23	-18.12	2.00	-11.89	-11.20	-14.65	-163.27	-132.50	-45.42-60.22
13	177	782	7.55	-4.06	-0.48	3.98	-5.36	157.20	16.76	139.04	34.92 -47.12
13	177	784	10.80	-31.73	0.86	-21.78	-18.00	-38.66	-171.08	-170.79	-38.95-6.23
13	177	785	4.89	-17.46	1.93	-14.50	-7.57	-26.93	-202.28	-183.13	-46.08-54.68
13	177	786	-5.53e-02	-4.47	-0.20	-4.33	0.77	217.13	40.04	212.56	

44.61	-28.08										
13	177	788	8.16	-44.02	1.22	-37.07	-17.72	-78.97	-259.11	-258.67	-
79.42	-8.93										
13	177	789	2.04	-24.29	-0.31	-21.94	-7.51	-46.36	-214.55	-199.89	-
61.02	-47.45										
13	177	790	-0.22	-13.15	-0.30	-13.06	1.04	270.62	40.99	269.09	
42.52	-18.68										
13	177	792	4.44	-51.61	1.37	-48.54	-12.75	-104.06	-320.81	-320.28	-
104.59	-10.65										
13	177	793	-0.51	-29.72	-2.13	-28.11	-6.68	-63.29	-216.15	-206.49	-
72.96	-37.20										
13	177	794	-0.78	-20.82	-0.84	-20.75	-1.18	315.54	40.52	314.93	
41.14	-12.95										
13	177	796	1.77	-52.37	1.17	-51.78	-5.64	-108.81	-349.28	-349.10	-
108.99	-6.61										
13	177	797	-1.29	-32.38	-2.28	-31.39	-5.46	-67.07	-215.42	-210.64	-
71.85	-26.20										
13	177	798	-9.99e-02	-24.42	-1.04	-23.48	-4.70	344.91	45.58	344.44	
46.04	-11.77										
13	177	800	1.50	-47.28	1.49	-47.27	-0.70	-98.34	-368.20	-368.20	-
98.34	-0.81										
13	177	801	5.86e-02	-31.77	-0.49	-31.22	-4.14	-59.61	-219.67	-217.65	-
61.63	-17.87										
13	177	802	1.52	-22.26	-0.66	-20.08	-6.86	359.01	58.41	358.62	
58.80	-10.81										
13	177	804	2.23	-40.89	2.23	-40.88	0.48	-88.44	-389.17	-389.16	-
88.45	1.90										
13	177	805	2.17	-29.91	1.85	-29.59	-3.18	-51.03	-224.86	-224.28	-
51.62	-10.08										
13	177	806	2.51	-16.67	-7.14e-02	-14.09	-6.54	363.09	72.99	362.90	
73.18	-7.41										
13	177	808	2.83	-38.10	2.79	-38.07	-1.15	-85.61	-402.27	-402.27	-
85.61	-0.60										
13	177	809	3.08	-28.72	3.01	-28.66	-1.44	-47.91	-227.75	-227.72	-
47.94	-2.35										
13	177	810	0.48	-11.16	0.24	-10.91	-1.67	364.35	79.77	364.35	
79.78	-0.49										
13	177	812	2.27	-41.42	2.10	-41.25	-2.72	-87.96	-387.29	-387.25	-
88.00	-3.17										
13	177	813	1.82	-29.46	1.82	-29.46	0.11	-51.37	-223.74	-223.63	-
51.48	4.38										
13	177	814	0.55	-13.70	-1.99e-03	-13.14	2.75	362.58	72.77	362.44	
72.91	6.33										
13	177	816	1.29	-48.23	1.23	-48.16	-1.84	-98.14	-366.86	-366.85	-
98.16	-2.17										
13	177	817	-0.51	-31.10	-0.57	-31.04	1.32	-61.00	-217.79	-217.12	-
61.68	10.26										
13	177	818	0.29	-18.91	-0.51	-18.11	3.84	358.71	57.99	358.41	
58.29	9.44										
13	177	820	0.92	-53.06	0.78	-52.92	2.77	-108.85	-348.25	-348.12	-
108.97	5.46										
13	177	821	-2.23	-31.15	-2.40	-30.99	2.18	-69.60	-212.53	-210.29	-
71.85	17.77										
13	177	822	-0.77	-20.65	-0.83	-20.59	1.09	344.34	45.22	344.02	
45.54	9.83										
13	177	824	2.42	-51.11	0.86	-49.54	9.01	-103.86	-320.29	-319.88	-
104.28	9.51										
13	177	825	-2.02	-27.59	-2.28	-27.32	2.57	-66.54	-212.92	-206.98	-
72.49	28.90										
13	177	826	4.10e-02	-17.59	-0.57	-16.98	-3.23	314.21	40.59	313.84	
40.97	10.14										
13	177	828	5.29	-41.90	0.91	-37.52	13.69	-78.45	-260.61	-260.21	-
78.85	8.53										
13	177	829	-0.11	-21.01	-0.42	-20.69	2.54	-49.91	-212.21	-202.33	-
59.78	38.80										
13	177	830	3.50	-12.12	2.73e-02	-8.65	-6.50	267.78	42.35	266.96	
43.16	13.50										
13	177	832	5.42	-26.33	0.26	-21.16	11.72	-37.42	-177.66	-177.39	-
37.69	6.14										
13	177	833	2.18	-13.47	1.87	-13.17	2.15	-32.31	-201.92	-188.77	-

45.4645.35											
13	177	834	7.20	-6.41	0.69	9.56e-02	-6.80	212.68	43.12	209.69	
46.11	22.34										
13	177	836	6.72	-4.30	6.54	-4.13	1.37	-12.93	-74.87	-66.09	-
21.71-21.61											
13	177	837	5.24	-12.07	4.02	-10.85	4.43	-22.67	-165.91	-145.48	-
43.1050.09											
13	177	838	8.04	0.33	0.53	7.84	-1.25	157.38	25.52	141.80	
41.09	42.55										
13	177	853	3.37	-27.09	-26.13	2.42	5.30	66.75	21.31	22.05	
66.02	-5.73										
13	177	854	-0.55	-11.47	-10.36	-1.65	-3.29	82.72	-36.30	-25.63	
72.06	33.99										
13	177	855	12.55	2.71	7.27	7.98	-4.91	87.43	-14.45	51.85	
21.12	48.57										
13	206	776	7.06	-51.48	-41.57	-2.85	-21.96	111.12	36.96	41.21	
106.87	17.24										
13	206	777	-0.42	-19.97	-17.86	-2.53	-6.07	89.70	-18.00	-8.17	
79.88	-31.01										
13	206	778	6.21	-2.57	0.67	2.98	-4.23	59.91	-25.33	31.08	
3.50	-40.32										
13	206	780	17.99	-16.00	6.47	-4.48	-16.09	-2.05	-47.92	-32.61	-
17.3521.63											
13	206	781	11.71	-20.89	2.65	-11.83	-14.60	-20.04	-166.80	-138.13	-
48.72-58.19											
13	206	782	11.50	-7.71	0.66	3.14	-9.52	138.17	2.10	114.25	
26.02	-51.79										
13	206	784	17.34	-33.16	2.47	-18.30	-23.02	-40.13	-167.07	-167.06	-
40.14-0.96											
13	206	785	9.61	-22.54	3.13	-16.06	-12.90	-34.36	-214.28	-197.52	-
51.12-52.30											
13	206	786	3.44	-9.05	1.17	-6.78	-4.82	179.12	28.40	172.68	
34.85	-30.50										
13	206	788	13.70	-43.67	2.79	-32.76	-22.51	-76.38	-254.92	-254.41	-
76.89-9.46											
13	206	789	5.73	-28.16	0.64	-23.07	-12.11	-53.43	-230.96	-217.90	-
66.49-46.34											
13	206	790	0.92	-17.91	0.24	-17.22	-3.52	225.37	29.79	223.26	
31.89	-20.19										
13	206	792	8.67	-49.40	3.05	-43.77	-17.17	-102.40	-314.08	-313.37	-
103.10-12.17											
13	206	793	2.59	-32.95	-1.16	-29.21	-10.91	-68.64	-233.67	-225.24	-
77.07-36.34											
13	206	794	0.57	-26.71	-0.48	-25.66	-5.25	267.50	29.92	266.51	
30.91	-15.32										
13	206	796	4.70	-48.72	2.90	-46.92	-9.64	-106.29	-340.10	-339.73	-
106.66-9.29											
13	206	797	1.30	-35.12	-1.28	-32.54	-9.35	-71.87	-234.29	-230.24	-
75.92-25.32											
13	206	798	1.58	-31.41	-0.71	-29.11	-8.40	295.93	35.18	295.18	
35.94	-13.99										
13	206	800	3.48	-42.88	3.09	-42.49	-4.23	-95.63	-353.88	-353.84	-
95.68-3.48											
13	206	801	2.12	-34.12	0.45	-32.45	-7.61	-63.87	-238.31	-236.48	-
65.69-17.73											
13	206	802	3.04	-30.06	-0.42	-26.60	-10.13	308.25	47.32	307.59	
47.98	-13.16										
13	206	804	4.09	-36.15	3.92	-35.99	-2.58	-86.18	-374.48	-374.48	-
86.19-0.45											
13	206	805	3.76	-31.83	2.82	-30.89	-5.70	-55.25	-243.46	-242.71	-
56.00-11.79											
13	206	806	2.93	-24.38	6.72e-02	-21.52	-8.36	311.52	61.41	311.12	
61.81	-9.93										
13	206	808	4.77	-33.25	4.45	-32.93	-3.48	-83.25	-386.25	-386.22	-
83.28-3.30											
13	206	809	4.32	-30.43	3.94	-30.05	-3.61	-52.30	-245.50	-245.38	-
52.42-4.82											
13	206	810	0.94	-19.68	0.31	-19.05	-3.57	311.34	67.93	311.30	
67.97	-3.15										

13	206	812	4.38	-36.05	3.89	-35.57	-4.39	-85.59	-372.79	-372.66	-85.72-6.12
13	206	813	2.87	-30.87	2.80	-30.80	-1.53	-55.98	-242.49	-242.47	-56.002.05
13	206	814	0.14	-21.87	7.57e-02	-21.81	1.23	309.89	61.23	309.84	61.28 3.56
13	206	816	3.21	-41.85	3.04	-41.68	-2.72	-94.92	-350.70	-350.66	-94.96-3.09
13	206	817	0.40	-32.26	0.40	-32.26	0.38	-65.43	-236.47	-236.12	-65.787.70
13	206	818	-9.12e-02	-27.47	-0.41	-27.15	2.94	305.45	46.82	305.28	46.99 6.64
13	206	820	2.99	-45.82	2.83	-45.66	2.75	-105.70	-335.95	-335.92	-105.732.80
13	206	821	-1.22	-32.31	-1.36	-32.17	2.08	-74.51	-231.40	-229.98	-75.9314.87
13	206	822	-0.66	-29.88	-0.70	-29.84	1.07	292.55	34.54	292.35	34.74 7.22
13	206	824	5.24	-44.19	2.96	-41.91	10.37	-101.74	-310.38	-310.20	-101.926.12
13	206	825	-0.78	-29.00	-1.25	-28.54	3.60	-72.57	-229.92	-225.74	-76.7525.30
13	206	826	-0.27	-26.62	-0.46	-26.43	-2.25	264.16	29.62	263.89	29.90 8.06
13	206	828	9.04	-36.54	2.74	-30.24	15.73	-75.70	-254.79	-254.69	-75.804.23
13	206	829	1.55	-22.99	0.59	-22.02	4.76	-58.40	-227.58	-220.20	-65.7834.55
13	206	830	1.14	-18.80	0.26	-17.91	-4.12	222.59	30.78	221.81	31.56 12.20
13	206	832	12.17	-24.64	2.60	-15.07	16.15	-39.27	-175.36	-175.29	-39.34-3.20
13	206	833	4.93	-16.22	3.33	-14.63	5.58	-40.60	-212.65	-202.97	-50.2839.64
13	206	834	2.08	-8.10	1.22	-7.24	-2.83	175.91	32.31	172.62	35.61 21.49
13	206	836	12.13	-5.60	6.83	-0.30	8.12	-3.10	-71.98	-60.96	-14.12-25.26
13	206	837	7.79	-14.01	4.85	-11.06	7.45	-30.74	-165.04	-148.12	-47.6644.56
13	206	838	5.43	-0.88	0.68	3.87	2.72	133.99	14.23	116.59	31.63 42.20
13	206	853	5.74	-37.18	-32.42	0.98	13.48	73.24	11.91	16.25	68.90 -15.72
13	206	854	-4.04	-17.63	-17.45	-4.22	1.56	88.67	-31.22	-26.18	83.63 24.06
13	206	855	3.68	0.29	0.85	3.13	1.25	76.75	-9.23	45.59	21.93 41.33
13	220	776	8.91	-71.96	-55.13	-7.92	-32.83	140.91	63.27	65.35	138.83 12.53
13	220	777	3.62	-25.65	-21.90	-0.13	-9.79	60.79	-21.40	-12.63	52.01 -25.38
13	220	778	7.84	-2.14	1.78	3.92	-4.87	43.46	-29.36	26.48	-12.38-30.79
13	220	780	24.15	-24.88	6.08	-6.81	-23.65	21.32	-19.87	13.03	-11.5816.52
13	220	781	16.63	-30.83	-0.44	-13.76	-22.78	-7.66	-149.36	-119.03	-37.99-58.12
13	220	782	14.21	-15.43	-1.41	0.19	-14.80	151.05	17.65	138.83	29.86 -38.47
13	220	784	22.69	-38.84	2.11	-18.25	-29.03	-34.93	-135.52	-135.40	-35.05-3.47
13	220	785	13.30	-30.80	1.46	-18.96	-19.54	-23.83	-181.64	-162.61	-42.86-51.39
13	220	786	4.36	-18.90	-1.60	-12.94	-10.15	220.46	39.21	216.71	42.95 -25.77
13	220	788	17.61	-46.78	2.39	-31.55	-27.36	-69.47	-216.96	-216.05	-70.37-11.53
13	220	789	7.89	-35.08	-1.03	-26.16	-17.43	-44.09	-193.44	-178.67	-

58.86-44.58
13 220 790 0.10 -27.62 -2.52 -25.00 -8.11 268.67 37.93 267.07
39.52 -19.13
13 220 792 10.88 -50.03 2.55 -41.70 -20.94 -93.55 -266.29 -265.21 -
94.63-13.63
13 220 793 3.56 -38.70 -2.78 -32.37 -15.08 -60.06 -193.57 -184.05 -
69.58-34.36
13 220 794 -0.66 -36.76 -3.09 -34.32 -9.05 303.66 36.02 302.73
36.95 -15.75
13 220 796 5.44 -47.16 2.36 -44.08 -12.36 -95.83 -282.96 -282.39 -
96.39-10.27
13 220 797 1.36 -39.85 -2.84 -35.65 -12.47 -64.26 -192.59 -188.16 -
68.69-23.42
13 220 798 0.15 -41.67 -3.20 -38.31 -11.36 322.58 39.29 321.82
40.04 -14.64
13 220 800 3.33 -39.84 2.49 -38.99 -5.97 -83.53 -287.94 -287.84 -
83.63-4.57
13 220 801 1.48 -37.99 -1.10 -35.40 -9.76 -56.61 -195.65 -193.80 -
58.46-15.91
13 220 802 1.21 -40.14 -2.83 -36.10 -12.28 326.52 49.76 325.86
50.42 -13.51
13 220 804 3.50 -32.25 3.17 -31.93 -3.41 -71.99 -299.30 -299.30 -
72.00-1.44
13 220 805 2.58 -34.94 1.24 -33.60 -6.96 -47.58 -200.07 -199.39 -
48.26-10.20
13 220 806 0.70 -34.13 -2.28 -31.14 -9.75 323.37 62.63 322.99
63.01 -9.94
13 220 808 3.97 -28.66 3.59 -28.28 -3.50 -67.55 -305.21 -305.16 -
67.60-3.32
13 220 809 2.80 -32.92 2.32 -32.44 -4.11 -44.16 -201.73 -201.63 -
44.26-3.86
13 220 810 -1.34 -29.33 -2.01 -28.66 -4.27 319.48 68.43 319.44
68.47 -2.96
13 220 812 3.49 -30.62 3.11 -30.23 -3.61 -69.93 -292.58 -292.46 -
70.05-5.27
13 220 813 1.27 -32.88 1.23 -32.83 -1.28 -47.87 -198.67 -198.63 -
47.912.28
13 220 814 -2.19 -31.36 -2.24 -31.31 1.20 317.48 61.65 317.42
61.71 3.92
13 220 816 2.38 -35.68 2.35 -35.65 -1.13 -79.75 -274.46 -274.43 -
79.78-2.31
13 220 817 -1.07 -33.94 -1.13 -33.88 1.45 -57.22 -192.80 -192.40 -
57.627.35
13 220 818 -2.36 -36.81 -2.75 -36.42 3.64 315.53 47.85 315.34
48.04 7.21
13 220 820 2.75 -39.68 2.12 -39.05 5.13 -90.55 -263.62 -263.55 -
90.623.53
13 220 821 -2.37 -33.88 -2.89 -33.36 4.01 -65.46 -188.16 -186.59 -
67.0213.77
13 220 822 -2.90 -38.92 -3.08 -38.74 2.57 307.85 36.87 307.63
37.09 7.74
13 220 824 6.62 -39.30 2.24 -34.93 13.48 -87.04 -245.33 -244.93 -
87.447.89
13 220 825 -1.33 -30.79 -2.80 -29.32 6.42 -62.59 -188.12 -183.74 -
66.9723.03
13 220 826 -2.95 -34.86 -2.95 -34.86 0.13 287.36 33.89 287.13
34.13 7.77
13 220 828 12.78 -33.81 2.20 -23.23 19.52 -63.02 -202.49 -202.10 -
63.427.45
13 220 829 2.06 -25.50 -0.93 -22.51 8.57 -48.68 -189.16 -181.88 -
55.9631.14
13 220 830 -2.33 -25.80 -2.36 -25.77 -0.84 253.57 37.10 253.14
37.54 9.72
13 220 832 18.20 -24.36 2.45 -8.61 20.55 -30.31 -138.36 -138.35 -
30.311.01
13 220 833 7.15 -20.06 2.06 -14.97 10.61 -32.67 -180.96 -171.93 -
41.6935.46
13 220 834 -1.17 -14.36 -1.34 -14.19 1.49 208.21 40.52 206.87
41.86 14.94

13	220	836	19.22	-5.24	9.18	4.80	12.03	1.23	-50.13	-37.91	-10.99-21.87
13	220	837	12.81	-20.97	4.36	-12.52	14.63	-27.15	-146.90	-131.57	-42.4740.01
13	220	838	7.41	-8.95	-1.37	-0.16	8.16	142.31	25.74	135.09	32.96 28.10
13	220	853	8.62	-52.29	-44.29	0.62	20.56	89.93	28.93	32.13	86.73 -13.60
13	220	854	-1.56	-25.89	-22.94	-4.51	7.95	71.96	-31.55	-29.18	69.59 15.47
13	220	855	6.04	0.32	2.23	4.13	2.70	58.06	-13.28	39.04	5.74 31.55

M_G 2M 1-2		**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M**
			-101.80	-83.39	-65.97	-44.65		-435.28	-435.20	-137.39-75.14
		48.82		19.32	15.52	27.06	429.90		429.90	166.11 56.65

Elem. Cmb 2M 1-2	**Nodo**	**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M**
		daN/cm2	daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN
1 15	13	0.25	10.22	2.14	3.32	9.03	-2.86	-16.21	-100.60	-33.64	-83.1734.16
	14	0.51	-2.41	-21.49	-12.77	-11.13	-9.51	249.04	-21.54	248.49	-21.0012.15
	37	2.05	35.51	-43.13	2.34	-9.96	38.84	680.73	-332.61	201.38	146.74-505.93
	36	0.49	-4.72	-17.05	-7.70	-14.06	-5.28	278.71	-43.64	-25.39	260.47-74.48
1 103	13	0.40	2.41	-1.05	0.14	1.23	-1.64	264.95	-43.07	27.07	194.81-129.17
	14	0.54	-2.67	-13.13	-8.67	-7.14	-5.18	467.86	136.94	326.09	278.71-163.75
	37	2.36	25.29	-32.18	1.29	-8.18	28.34	1221.99	-248.02	380.77	593.20-727.29
	36	0.98	-3.96	-12.57	-4.10	-12.43	-1.08	686.08	-41.37	47.99	596.72-238.78
1 156	13	0.25	1.70	-0.66	0.14	0.90	-1.12	164.92	-28.51	15.29	121.11-80.96
	14	0.38	-1.69	-8.78	-5.72	-4.75	-3.51	328.78	96.37	245.64	179.52-111.40
	37	1.75	16.94	-22.37	0.53	-5.95	19.38	931.79	-193.12	295.95	442.71-557.65
	36	0.71	-2.62	-8.39	-2.74	-8.27	-0.83	499.94	-35.90	26.01	438.03-171.30
1 159	13	0.15	3.81	0.87	1.32	3.36	-1.06	-4.57	-83.31	-22.93	-64.9533.29
	14	0.31	-0.40	-7.29	-4.01	-3.69	-3.44	202.99	-33.86	202.87	-33.74-5.44
	37	1.43	12.18	-18.26	-0.63	-5.45	15.03	725.89	-230.11	246.08	249.70-478.00
	36	0.40	-1.17	-6.03	-2.58	-4.62	-2.20	276.49	-52.63	-33.89	257.74-76.28
1 164	13	0.12	0.73	0.27	0.37	0.63	-0.19	1.55	-87.92	-20.68	-65.7038.66
	14	0.30	0.76	-0.28	0.43	0.04	-0.48	212.90	-48.26	211.82	-47.19-16.74
	37	1.33	0.60	-6.85	-2.48	-3.76	3.67	881.32	-211.18	315.80	354.33-545.91
	36	0.45	0.83	-0.73	-0.02	0.12	-0.78	323.98	-67.21	-44.86	301.63-90.79
1 196	13	0.12	-0.56	-1.37	-0.56	-1.37	-0.03	81.24	-15.05	9.31	56.88-41.86
	14	0.33	-0.13	-0.33	-0.17	-0.29	-0.08	290.62	50.43	246.39	

94.67-93.10
37 1.54 2.05 -8.19 -2.14 -4.00 5.04 1046.64 -181.44 366.17
499.02-610.43
36 0.65 0.12 -1.74 0.07 -1.69 0.32 479.81 -52.17 0.81
426.83-159.29
1 213 13 0.13 0.88 0.45 0.47 0.87 -0.08 3.55 -99.34 -21.41 -
74.3844.10
14 0.33 0.47 -0.68 -0.15 -0.06 -0.57 233.08 -66.00 229.79 -
62.71-31.19
37 1.63 2.34 -8.29 -2.69 -3.25 5.31 1090.43 -221.92 382.73
485.77-654.15
36 0.56 0.43 -1.97 0.03 -1.58 -0.89 404.77 -79.39 -55.86
381.24-104.10
2 15 14 0.65 10.52 -11.83 -0.22 -1.10 11.17 461.83 107.06 448.33
120.5667.88
15 2.86 0.23 -94.70 -92.33 -2.14 -14.81 1270.57 74.16 1261.63
83.10103.01
38 4.60 94.56 -45.71 32.58 16.27 69.66 2193.10 -892.12 2039.83 -
738.85670.36
37 2.23 -16.96 -39.95 -33.65 -23.25 -10.25 727.62 -1091.87 85.60 -
449.85-869.46
2 35 14 0.83 8.64 -16.65 -5.22 -2.78 12.59 635.80 209.15 634.14
210.82-26.57
15 3.14 0.81 -98.53 -96.76 -0.95 -13.13 1414.02 -17.80 1412.80 -
16.5841.78
38 4.67 95.35 -49.31 28.52 17.53 72.12 2352.15 -925.32 2253.94 -
827.11558.78
37 2.46 -21.07 -42.03 -38.27 -24.84 -8.05 1063.94 -1077.40 334.43 -
347.89-1014.86
2 122 14 0.61 5.89 -11.27 -3.58 -1.80 8.54 478.31 145.19 477.70
145.80-14.29
15 2.26 0.55 -66.45 -65.21 -0.68 -9.01 1075.00 -4.32 1074.11 -
3.4430.89
38 3.38 63.93 -33.81 18.10 12.02 48.77 1776.81 -675.33 1711.27 -
609.80395.48
37 1.86 -14.48 -27.91 -25.65 -16.75 -5.03 828.44 -815.74 253.89 -
241.20-783.93
2 159 14 0.47 4.03 -4.65 -0.49 -0.13 4.34 387.20 58.28 382.94
62.5437.20
15 1.66 0.17 -34.84 -33.76 -0.91 -6.06 985.02 57.65 982.60
60.0747.24
38 2.67 33.08 -19.25 6.97 6.86 26.17 1615.53 -543.28 1566.69 -
494.44321.03
37 1.67 -7.61 -12.74 -11.79 -8.55 -1.99 751.61 -780.94 160.04 -
189.36-746.09
2 164 14 0.50 1.07 -1.38 -0.73 0.42 1.09 413.83 37.68 412.06
39.4525.71
15 1.26 0.35 -5.96 -5.26 -0.35 -1.98 992.42 56.56 991.87
57.1222.78
38 2.36 4.85 -9.17 -6.86 2.53 5.20 1579.54 -452.62 1564.84 -
437.92172.19
37 1.80 1.32 -3.75 -1.01 -1.42 2.52 900.44 -737.93 232.06 -
69.55-805.18
2 168 14 0.71 0.14 -5.54 -4.61 -0.78 2.10 573.27 120.12 561.84
131.56-71.08
15 1.50 0.39 -8.79 -8.75 0.35 -0.66 1114.56 -13.31 1112.33 -
11.07-50.19
38 2.64 6.49 -12.90 -9.85 3.44 7.06 1732.00 -490.89 1730.55 -
489.4456.66
37 2.18 0.73 -7.64 -4.40 -2.51 4.08 1194.39 -736.43 427.02
30.93-944.88
2 198 14 0.54 1.36 -1.68 -1.12 0.79 1.18 442.62 35.28 440.80
37.1127.20
15 1.40 -0.15 -9.82 -9.38 -0.60 -2.03 1058.60 57.46 1057.82
58.2327.77
38 2.49 7.30 -12.33 -8.84 3.80 7.51 1650.48 -450.32 1637.73 -
437.58163.14
37 1.91 2.39 -6.62 -1.22 -3.01 4.42 950.08 -746.93 272.25 -
69.11-831.16

3	15	15	2.01	-1.52	-27.84	-23.54	-5.82	-9.72	1369.03	40.67	1341.11
68.59190.55											
		16	2.47	-6.40	-125.47	-124.61	-7.26	10.06	779.89	13.86	647.61
146.14289.54											
		39	5.95	42.65	-17.40	-17.24	42.49	3.09	2615.68	-2876.10	420.30
680.722690.14											
		38	5.21	-19.64	-162.72	-157.26	-25.11	27.41	2305.86	-874.77	2139.67
708.57707.79											
3	35	15	2.43	-4.65	-35.81	-34.49	-5.97	-6.27	1580.25	-31.44	1567.27
18.45144.09											
		16	2.91	-3.93	-135.71	-135.01	-4.63	9.57	970.60	82.03	890.26
162.37254.83											
		39	6.04	43.95	-34.41	-34.26	43.79	3.46	2757.09	-2718.93	698.74
660.582652.31											
		38	5.79	-20.12	-181.29	-174.82	-26.58	31.62	2537.06	-923.99	2401.22
788.15672.08											
3	122	15	1.78	-3.20	-23.80	-22.88	-4.12	-4.25	1190.36	-15.38	1180.64
5.67107.79											
		16	2.01	-2.67	-91.00	-90.50	-3.17	6.63	706.93	62.36	646.48
122.82187.92											
		39	4.53	29.77	-23.00	-22.99	29.76	0.93	2044.89	-2053.27	497.90
506.281986.61											
		38	4.21	-13.22	-124.02	-119.67	-17.57	21.52	1905.02	-677.54	1815.01
587.54473.65											
3	159	15	1.35	-0.64	-9.22	-7.34	-2.52	-3.55	1037.22	38.03	1024.18
51.06113.37											
		16	1.12	-2.28	-44.11	-43.64	-2.74	4.39	515.12	36.51	441.00
110.63173.15											
		39	4.15	17.52	-7.34	-6.37	16.54	-4.83	1751.24	-1981.75	276.43
506.941824.93											
		38	3.24	-5.72	-67.71	-65.68	-7.74	11.01	1678.11	-554.69	1623.56
500.14344.70											
3	164	15	1.25	1.04	-1.17	0.90	-1.03	-0.54	1026.42	41.84	1018.49
49.7687.98											
		16	0.54	0.26	-4.55	-3.72	-0.58	1.82	450.84	55.71	397.30
109.26135.24											
		39	3.83	12.23	-9.12	-1.09	4.20	-10.34	1551.93	-1805.53	240.58
494.181638.04											
		38	2.66	1.55	-23.85	-23.41	1.11	3.31	1624.11	-483.43	1606.48
465.80191.95											
3	185	15	1.28	6.29	-0.81	6.29	-0.81	0.14	962.01	-22.18	892.88
46.95251.51											
		16	0.73	2.09	-2.23	1.45	-1.58	1.54	487.59	-129.16	265.91
92.52295.94											
		39	4.12	15.47	-6.14	5.79	3.54	-10.75	1613.94	-2021.04	104.04
511.141791.27											
		38	2.47	1.73	-17.20	-16.29	0.83	4.04	1536.19	-529.30	1475.89
468.99347.74											
3	216	15	1.18	0.46	-1.12	0.33	-0.99	-0.43	977.05	36.11	958.44
54.73131.03											
		16	0.58	0.10	-5.34	-4.71	-0.54	1.75	462.39	11.75	367.01
107.12184.07											
		39	4.25	11.29	-9.37	-1.93	3.85	-9.92	1750.39	-2016.96	213.73
480.301851.44											
		38	2.70	2.23	-23.61	-23.04	1.67	3.78	1610.37	-580.96	1536.92
507.52394.39											
4	15	16	2.12	-1.90	-92.05	-88.42	-5.53	-17.73	607.89	-248.57	391.67
32.35372.06											
		17	1.44	-1.60	-24.21	-23.21	-2.59	4.64	93.58	-860.21	-731.93
34.70325.42											
		40	5.17	-0.05	-75.79	-48.40	-27.44	-36.39	1868.47	-2266.10	-951.19
553.561925.51											
		39	6.61	36.85	-115.73	-106.16	27.28	-36.99	2638.40	-2388.41	340.42
90.432504.16											
4	35	16	2.44	-0.89	-105.90	-103.08	-3.71	-16.97	703.89	-197.83	557.05
50.99332.94											
		17	1.37	-1.65	-38.32	-38.12	-1.85	2.71	78.99	-692.72	-564.80
48.92286.97											
		40	5.07	-4.32	-91.05	-67.10	-28.26	-38.78	1875.39	-2121.81	-786.35

539.931885.38	39	6.73	37.14	-133.43	-124.60	28.32	-37.78	2679.47	-2284.94	503.53	-
109.002463.24	4 122	16	1.68	-0.58	-70.64	-68.76	-2.45	-11.31	512.44	-150.32	399.26	-
37.14249.41	17	1.01	-1.06	-24.41	-24.26	-1.21	1.87	53.03	-550.14	-462.07	-
35.04213.00	40	3.74	-1.50	-60.24	-42.58	-19.16	-26.93	1382.69	-1605.88	-632.90	
409.711400.40	39	4.91	25.50	-89.96	-83.54	19.07	-26.47	1992.18	-1711.69	359.67	-
79.181838.89	4 159	16	0.98	-0.57	-30.85	-29.65	-1.76	-5.89	389.20	-164.27	249.09	-
24.15240.66	17	0.90	0.30	-3.91	-2.84	-0.77	1.83	40.27	-669.64	-607.50	-
21.87200.63	40	3.33	8.08	-25.56	-6.99	-10.50	-16.73	1191.20	-1574.11	-778.91	
396.001251.66	39	4.09	15.85	-43.31	-37.39	9.93	-17.76	1755.18	-1597.59	215.39	-
57.801670.81	4 164	16	0.52	0.15	-0.32	-0.32	0.15	0.03	329.24	-143.66	209.17	-
23.59205.83	17	0.96	8.67	0.13	8.63	0.16	0.51	21.69	-681.38	-641.51	-
18.19162.62	40	2.92	19.19	-5.43	16.14	-2.38	-8.11	1008.34	-1450.16	-815.02	
373.201076.15	39	3.38	8.88	-10.94	-3.53	1.47	-9.59	1545.41	-1414.36	179.86	-
48.811475.46	4 185	16	0.82	-0.48	-2.81	-2.38	-0.91	0.90	440.13	-310.28	140.02	-
10.16367.61	17	1.15	7.60	0.18	6.65	1.13	2.47	123.46	-840.63	-711.27	-
5.89328.60	40	3.26	25.22	-2.25	24.02	-1.05	-5.62	1145.25	-1639.63	-879.04	
384.651240.83	39	3.68	10.95	-5.87	4.22	0.85	-8.24	1678.14	-1597.30	116.34	-
35.501635.95	4 216	16	0.59	0.34	-1.71	-1.65	0.29	0.34	352.61	-195.47	181.41	-
24.27254.01	17	0.96	5.98	0.11	5.96	0.13	0.35	41.26	-705.08	-642.67	-
21.14206.59	40	3.26	17.86	-4.35	15.34	-1.83	-7.04	1203.20	-1616.84	-812.02	
398.381273.53	39	3.82	8.24	-10.58	-3.41	1.08	-9.14	1749.26	-1634.86	154.86	-
40.461689.24	5 15	17	1.42	0.13	-31.81	-30.37	-1.31	-6.63	73.30	-887.17	-750.15	-
63.72335.90	18	1.44	9.69	-1.78	9.54	-1.63	1.32	-51.29	-1086.64	-1061.87	-
76.07158.22	41	2.76	-13.26	-20.16	-19.41	-14.01	-2.14	1045.30	-1496.53	-1134.27	
683.03888.58	40	5.03	20.24	-72.26	-46.13	-5.89	-41.64	1809.39	-2122.20	-841.79	
528.971842.45	5 35	17	1.45	0.83	-46.34	-44.82	-0.68	-8.32	38.01	-778.96	-656.26	-
84.69291.87	18	1.22	-1.93	-5.08	-5.07	-1.94	-0.20	-75.87	-981.43	-966.85	-
90.45113.98	41	2.71	-13.85	-33.86	-33.08	-14.63	-3.87	1015.38	-1387.75	-1041.48	
669.10843.94	40	4.94	19.11	-83.72	-59.64	-4.97	-43.55	1783.73	-2025.81	-750.09	
508.011797.90	5 112	17	1.04	0.22	-19.97	-18.96	-0.80	-4.42	48.16	-683.87	-587.19	-
48.52247.84	18	1.12	8.27	-1.13	8.18	-1.04	0.90	-41.91	-840.62	-824.58	-
57.96112.06	41	2.03	-8.38	-11.26	-10.02	-9.63	-1.42	767.94	-1126.30	-880.16	
521.80636.92	40	3.69	14.76	-47.59	-28.67	-4.16	-28.66	1335.00	-1589.37	-657.29	
402.921362.71	5 159	17	0.89	0.77	-5.51	-4.63	-0.11	-2.18	23.90	-690.99	-620.16	-
46.93213.59											

	18	1.18	10.96	-0.38	10.94	-0.36	0.50	-48.03	-857.89	-849.77	-
56.1580.69											
	41	1.97	6.00	-5.92	5.96	-5.88	-0.69	660.58	-1055.55	-905.02	
510.05485.46											
	40	3.15	13.05	-22.55	-6.52	-2.98	-17.71	1152.87	-1451.92	-689.03	
389.981185.40											
5 164	17	0.98	9.69	0.57	9.69	0.57	0.05	3.63	-702.10	-653.13	-
45.34179.33											
	18	1.24	13.70	0.32	13.69	0.32	0.11	-51.40	-877.91	-874.95	-
54.3549.33											
	41	1.99	21.93	-2.13	21.93	-2.13	0.04	572.55	-1004.12	-929.87	
498.30334.00											
	40	2.70	17.94	-4.10	15.63	-1.79	-6.76	975.98	-1319.71	-720.77	
377.051008.09											
5 185	17	1.12	5.87	0.73	5.86	0.73	-0.15	134.21	-790.84	-626.42	-
30.21353.64											
	18	1.23	10.21	0.56	9.89	0.88	1.71	16.78	-907.93	-848.78	-
42.38226.27											
	41	2.07	19.66	-1.11	19.52	-0.96	1.74	674.65	-1067.98	-903.30	
509.97509.76											
	40	3.00	16.00	-3.97	13.21	-1.19	-6.92	1149.34	-1450.69	-693.59	
392.241181.22											
5 216	17	0.99	7.11	0.59	7.10	0.60	0.21	25.29	-727.89	-654.51	-
48.09223.34											
	18	1.19	10.63	0.33	10.63	0.33	-0.04	-48.62	-873.37	-864.33	-
57.6785.89											
	41	2.12	20.56	-1.91	20.55	-1.90	0.55	685.09	-1073.01	-916.38	
528.47500.83											
	40	3.07	17.07	-4.00	14.73	-1.67	-6.61	1172.12	-1488.84	-718.44	
401.721206.85											
6 7	18	1.99	37.73	1.13	37.69	1.17	1.22	-64.66	-1228.86	-1220.89	-
72.6496.03											
	19	1.49	33.41	1.21	33.40	1.23	-0.69	-56.92	-870.14	-862.08	-
64.99-80.58											
	42	2.61	47.17	-2.01	46.64	-1.48	5.09	706.82	-1153.51	-980.44	
533.76-540.38											
	41	2.97	54.46	-0.81	54.40	-0.75	1.87	736.07	-1377.59	-1293.41	
651.89413.33											
6 73	18	2.31	44.83	-0.83	44.41	-0.42	4.32	-7.45	-1375.79	-1289.32	-
93.92-332.93											
	19	1.97	38.99	0.29	38.98	0.30	-0.67	153.10	-1177.47	-932.99	-
91.39-515.30											
	42	3.26	46.48	-4.56	45.39	-3.46	7.41	979.93	-1525.93	-1051.25	
505.26-981.91											
	41	2.94	53.79	-4.80	53.32	-4.33	5.21	629.67	-1362.39	-1361.98	
629.25-28.79											
6 141	18	1.69	31.72	-0.47	31.46	-0.21	2.88	-22.74	-1024.32	-977.09	-
69.96-212.30											
	19	1.41	27.07	0.25	27.06	0.26	-0.45	89.02	-859.45	-702.95	-
67.48-352.05											
	42	2.41	33.31	-3.54	32.30	-2.54	6.01	724.26	-1126.18	-793.55	
391.63-710.54											
	41	2.21	38.76	-3.52	38.46	-3.22	3.53	486.63	-1032.99	-1032.68	
486.3221.70											
6 158	18	1.36	20.13	0.66	20.12	0.67	0.38	-49.15	-905.71	-899.80	-
55.0670.92											
	19	0.96	15.41	0.65	15.40	0.65	-0.25	-41.98	-632.89	-625.74	-
49.13-64.63											
	42	1.87	25.34	-2.90	23.90	-1.46	6.22	550.89	-856.69	-714.47	
408.67-424.21											
	41	2.09	30.22	-1.67	30.19	-1.65	0.87	558.43	-1013.45	-953.89	
498.88300.10											
6 164	18	1.25	13.85	0.49	13.85	0.49	-0.04	-48.86	-887.82	-881.53	-
55.1472.36											
	19	0.84	8.05	0.43	8.05	0.43	-0.03	-41.93	-614.41	-607.18	-
49.16-63.92											
	42	1.78	18.52	-4.89	15.35	-1.72	8.00	552.02	-836.45	-695.37	
410.94-419.50											
	41	1.98	21.87	-2.49	21.87	-2.49	0.39	563.87	-997.97	-935.22	

501.11306.72											
6 165	18	1.40	19.79	0.23	19.69	0.34	1.42	-15.14	-940.53	-913.83	-
41.84154.92											
	19	0.96	14.02	0.69	13.98	0.73	0.75	-34.48	-639.86	-639.19	-
35.1420.09											
	42	1.78	23.10	-4.49	19.87	-1.26	8.86	514.66	-818.30	-728.04	
424.40-334.91											
	41	2.13	26.43	-3.06	26.30	-2.93	1.96	609.99	-1064.50	-968.20	
513.69389.85											
6 200	18	1.33	16.42	0.50	16.42	0.50	0.05	-48.03	-922.21	-912.70	-
57.5490.67											
	19	0.89	9.93	0.46	9.93	0.46	-0.04	-46.95	-636.15	-631.67	-
51.43-51.17											
	42	1.78	20.47	-4.97	17.21	-1.71	8.50	535.78	-823.65	-718.70	
430.83-362.84											
	41	2.11	24.38	-2.44	24.36	-2.42	0.74	616.79	-1060.37	-965.18	
521.61388.04											
7 15	19	0.99	2.20	-14.08	-12.63	0.75	-4.63	-41.29	-670.51	-670.51	-
41.290.15											
	20	1.50	-7.75	-58.12	-57.70	-8.16	4.56	573.15	-32.43	572.31	-
31.59-22.51											
	43	3.34	31.23	-75.73	-59.35	14.85	38.51	1186.51	-722.44	572.35	-
108.28-891.75											
	42	1.92	-11.85	-43.84	-34.15	-21.54	14.70	635.41	-1005.61	-963.19	
592.98-260.42											
7 81	19	1.34	-1.60	-15.29	-15.25	-1.65	0.79	202.57	-879.62	-621.02	-
56.03-461.50											
	20	1.88	-2.55	-48.52	-47.90	-3.17	5.32	873.24	-340.07	611.30	-
78.12-499.21											
	43	4.25	25.68	-59.37	-45.03	11.34	31.84	1756.83	-1312.34	602.36	-
157.87-1486.76											
	42	2.75	0.07	-36.86	-20.11	-16.68	18.38	955.89	-1321.43	-924.81	
559.27-863.66											
7 145	19	0.96	-1.00	-9.24	-9.21	-1.03	0.48	121.25	-653.24	-491.03	-
40.96-315.15											
	20	1.32	-1.77	-32.78	-32.38	-2.18	3.53	628.06	-227.16	455.99	-
55.10-342.85											
	43	3.14	18.21	-40.95	-30.56	7.81	22.52	1320.34	-985.99	450.26	-
115.91-1117.88											
	42	2.09	2.04	-24.88	-11.44	-11.40	13.46	716.84	-1010.78	-723.27	
429.33-643.46											
7 162	19	0.79	5.66	0.17	5.65	0.17	0.11	-6.27	-589.85	-566.75	-
29.37-113.79											
	20	0.62	-0.21	-4.88	-4.86	-0.22	0.23	414.97	-69.95	373.99	-
28.97-134.87											
	43	2.47	9.30	-12.23	-5.00	2.08	10.17	1181.00	-893.44	374.38	-
86.82-1011.26											
	42	2.09	18.31	-7.02	13.79	-2.50	9.69	645.01	-1014.89	-791.24	
421.36-566.76											
7 164	19	0.80	7.20	0.46	7.17	0.48	-0.40	-21.42	-583.30	-577.63	-
27.08-56.13											
	20	0.53	-0.48	-3.33	-3.32	-0.49	-0.12	377.65	-36.84	363.47	-
22.66-75.34											
	43	2.33	9.04	-11.19	-4.03	1.88	9.67	1118.56	-833.37	365.17	-
79.98-950.25											
	42	2.02	18.69	-6.08	14.77	-2.15	9.05	606.72	-983.61	-800.49	
423.60-507.63											
7 188	19	0.84	1.83	-0.52	1.64	-0.33	0.63	57.99	-633.33	-538.12	-
37.22-238.24											
	20	0.87	0.07	-9.04	-8.97	-1.96e-03	0.80	523.64	-167.08	401.81	-
45.25-263.26											
	43	2.78	9.35	-14.58	-7.51	2.28	10.92	1317.42	-1022.37	399.10	-
104.05-1142.52											
	42	2.26	16.81	-8.44	11.35	-2.98	10.40	734.62	-1087.27	-766.31	
413.66-694.08											
7 213	19	0.86	9.78	0.49	9.75	0.53	-0.55	-11.30	-602.81	-590.35	-
23.76-84.94											
	20	0.51	-0.67	-1.66	-1.65	-0.68	0.14	376.73	-42.23	353.85	-
19.35-95.20											

	43	2.53	9.73	-10.31	-2.92	2.34	9.67	1193.57	-951.22	354.16	-
111.81-1046.78											
	42	2.24	20.33	-6.86	16.08	-2.61	9.87	671.06	-1093.16	-816.13	
394.04-641.86											
8 15	20	1.82	-1.73	-68.82	-68.52	-2.04	4.52	778.95	166.74	774.39	
171.3052.65											
	21	2.97	-3.34	-89.83	-88.99	-4.17	-8.47	1422.00	58.47	1415.51	
64.9693.89											
	44	4.11	20.51	-57.41	-41.49	4.59	31.41	2561.59	-1064.52	2094.54	-
597.471214.68											
	43	3.00	4.35	-53.83	-50.92	1.44	-12.68	1312.77	-1255.64	846.80	-
789.67-989.79											
8 73	20	1.28	3.87	-3.08	-0.25	1.04	-3.41	960.64	-67.70	759.48	
133.46-407.91											
	21	1.89	1.52	-4.54	-1.11	-1.92	3.00	1429.61	-171.57	1365.04	-
106.99-315.00											
	44	3.55	8.76	-9.95	-8.77	7.58	-4.54	2208.29	-829.92	2127.31	-
748.95489.36											
	43	4.50	17.48	-7.57	5.40	4.51	12.52	2062.10	-1921.41	933.19	-
792.50-1795.16											
8 141	20	0.90	2.23	-2.53	-0.96	0.65	-2.24	701.60	-19.74	575.66	
106.20-273.83											
	21	1.42	0.29	-3.41	-1.71	-1.41	1.84	1081.16	-102.55	1043.41	-
64.79-208.00											
	44	2.73	6.31	-8.29	-7.55	5.57	-3.19	1696.46	-635.87	1620.63	-
560.04413.65											
	43	3.37	12.69	-6.11	3.22	3.37	9.40	1533.81	-1440.95	699.87	-
607.02-1336.15											
8 159	20	0.98	-0.73	-26.31	-26.20	-0.84	1.67	553.03	130.09	552.82	
130.31 9.49											
	21	1.72	-1.55	-34.18	-33.80	-1.93	-3.51	1040.34	47.83	1038.74	
49.4339.83											
	44	2.93	7.10	-24.47	-21.09	3.72	9.77	1822.85	-721.68	1558.48	-
457.31776.41											
	43	2.50	2.01	-18.59	-18.58	2.01	0.26	1110.64	-1095.57	612.70	-
597.63-922.29											
8 164	20	0.66	-0.26	-5.94	-5.92	-0.28	0.29	520.56	128.67	520.04	
129.19-14.21											
	21	1.30	-0.73	-7.52	-7.30	-0.95	-1.21	1000.65	48.78	1000.41	
49.0115.05											
	44	2.80	3.95	-12.90	-12.81	3.86	-1.24	1716.11	-653.49	1518.18	-
455.56655.62											
	43	2.75	8.32	-8.47	-2.84	2.69	7.92	1195.19	-1202.20	583.12	-
590.12-1045.35											
8 188	20	0.90	0.02	-12.74	-12.64	-0.07	-1.09	634.66	49.57	572.42	
111.81-180.39											
	21	1.50	-1.26	-13.94	-13.93	-1.26	0.23	1053.03	-35.64	1043.53	-
26.14-101.26											
	44	2.80	4.61	-15.03	-15.03	4.61	0.27	1709.38	-632.18	1598.99	-
521.80496.28											
	43	3.13	6.87	-8.84	-5.17	3.21	6.64	1419.23	-1344.91	675.24	-
600.92-1225.96											
8 213	20	0.63	-0.24	-4.67	-4.63	-0.28	0.42	514.17	130.34	511.08	
133.43-34.29											
	21	1.27	-0.62	-6.45	-6.09	-0.98	-1.41	993.21	52.49	993.20	
52.50 3.52											
	44	2.73	3.78	-10.62	-10.55	3.71	-0.96	1680.92	-655.57	1512.42	-
487.06604.42											
	43	2.93	8.87	-6.89	-0.86	2.84	7.66	1265.00	-1317.04	572.92	-
624.96-1143.67											
9 15	21	2.44	-5.39	-58.51	-57.91	-5.99	-5.59	1329.49	-16.98	1303.23	
9.28186.22											
	22	1.37	-3.00	-76.76	-76.26	-3.50	6.08	401.39	-53.05	260.38	
87.95210.23											
	45	4.81	10.31	-39.62	-39.25	9.94	-4.25	1963.16	-2446.71	-273.80	-
209.752204.70											
	44	5.21	-4.37	-119.29	-117.47	-6.19	-14.38	2515.50	-833.56	2068.62	-
386.681138.83											
9 35	21	2.66	-4.76	-63.97	-63.71	-5.02	-3.93	1416.24	-98.14	1357.43	-
39.34292.56											

	22	1.61	-2.14	-82.12	-82.00	-2.26	3.15	546.99	-128.84	323.67	
94.48317.89											
	45	5.16	10.40	-53.63	-52.83	9.60	-7.10	2114.74	-2529.84	-211.28	-
203.822322.29											
	44	5.57	-5.54	-132.37	-131.10	-6.81	-12.65	2635.05	-948.34	2121.90	-
435.191255.19											
9 122	21	1.93	-3.34	-43.26	-43.10	-3.51	-2.59	1065.91	-64.15	1026.54	-
24.78207.24											
	22	1.09	-1.41	-54.50	-54.41	-1.51	2.21	390.59	-88.40	229.92	
72.27226.15											
	45	3.88	7.57	-35.38	-34.35	6.53	-6.58	1569.51	-1908.58	-179.77	-
159.301739.02											
	44	4.07	-3.11	-90.68	-89.74	-4.04	-8.99	1975.05	-693.61	1612.70	-
331.27914.16											
9 159	21	1.48	-2.52	-22.11	-21.95	-2.67	-1.74	964.72	-4.32	951.14	
9.26113.91											
	22	0.53	-0.90	-24.60	-24.33	-1.16	2.50	244.10	-28.41	146.91	
68.78130.54											
	45	3.52	8.63	-14.12	-9.37	3.88	-9.24	1333.45	-1759.60	-256.68	-
169.471545.91											
	44	3.25	1.08	-50.14	-49.12	0.05	-7.17	1773.10	-545.39	1531.48	-
303.76708.40											
9 164	21	1.18	-1.18	-4.68	-4.67	-1.20	0.21	921.07	1.68	911.88	
10.8791.47											
	22	0.28	2.23	-0.31	1.92	6.04e-03	0.84	196.10	-20.37	106.08	
69.65106.69											
	45	3.40	17.86	-10.31	6.55	1.00	-13.81	1198.57	-1666.16	-291.91	-
175.681431.19											
	44	2.67	4.53	-18.38	-17.58	3.74	-4.20	1657.04	-479.86	1485.77	-
308.59580.22											
9 167	21	1.30	-0.12	-7.48	-7.08	-0.51	1.66	974.97	-36.65	938.44	-
0.11188.75											
	22	0.48	1.33	-0.89	-0.47	0.91	-0.87	312.29	-101.24	135.54	
75.52204.57											
	45	3.64	15.44	-15.57	-0.85	0.73	-15.48	1314.72	-1748.28	-263.20	-
170.351530.80											
	44	2.88	3.52	-25.26	-25.01	3.27	-2.70	1736.13	-544.08	1511.71	-
319.66679.25											
9 208	21	1.22	-1.21	-6.06	-6.06	-1.21	-9.88e-03	933.14	0.39	923.13	
10.4196.13											
	22	0.28	0.86	-1.09	-0.19	-0.04	0.98	204.09	-21.45	113.50	
69.14110.57											
	45	3.45	17.44	-11.14	5.02	1.28	-14.17	1225.01	-1680.76	-284.47	-
171.281451.78											
	44	2.75	4.22	-21.55	-20.94	3.61	-3.91	1682.20	-489.81	1497.67	-
305.29605.59											
10 15	22	1.20	-2.35	-57.57	-55.31	-4.62	-10.94	249.05	-368.57	-38.88	-
80.63308.10											
	23	1.41	4.10	-8.28	-3.06	-1.12	6.12	-46.37	-1118.54	-1106.16	-
58.74114.52											
	46	2.79	-15.83	-43.55	-36.46	-22.92	-12.09	1025.32	-1541.56	-1274.82	
758.58783.28											
	45	5.17	27.44	-92.90	-77.50	12.05	-40.20	2037.63	-1858.55	-134.95	
314.031935.11											
10 35	22	1.47	-0.95	-62.07	-59.88	-3.14	-11.36	378.36	-484.37	-17.66	-
88.35429.92											
	23	1.52	-0.19	-9.25	-7.98	-1.46	3.14	-0.78	-1136.14	-1083.45	-
53.47238.84											
	46	2.98	-15.81	-53.30	-45.12	-23.99	-15.48	1113.98	-1598.95	-1249.15	
764.19909.19											
	45	5.47	27.61	-100.65	-85.81	12.76	-41.03	2167.20	-1970.95	-110.92	
307.162058.49											
10 122	22	1.01	-0.58	-40.75	-39.27	-2.06	-7.58	264.78	-359.18	-27.75	-
66.66311.37											
	23	1.12	0.48	-4.19	-2.79	-0.92	2.13	-8.12	-876.64	-844.03	-
40.73165.10											
	46	2.26	-9.16	-33.76	-26.57	-16.35	-11.19	822.39	-1214.42	-972.13	
580.09659.39											
	45	4.02	19.57	-67.47	-56.37	8.47	-29.03	1609.72	-1474.41	-99.08	

234.381533.02											
10	159	22	0.55	-0.50	-16.55	-15.67	-1.38	-3.67	137.85	-278.54	-80.85	-
59.84207.93											
		23	1.20	10.21	-0.61	9.75	-0.14	2.20	-36.50	-890.76	-886.06	-
41.2063.14											
		46	2.20	6.55	-12.95	2.76	-9.17	-7.71	692.09	-1156.22	-1017.21	
553.07487.46											
		45	3.33	15.14	-33.55	-22.27	3.85	-20.55	1381.05	-1302.32	-151.78	
230.511328.00											
10	164	22	0.44	4.89	0.27	4.89	0.27	-0.03	99.25	-277.23	-119.81	-
58.18185.70											
		23	1.37	19.00	0.40	19.00	0.41	0.29	-35.93	-915.17	-912.95	-
38.1544.06											
		46	2.32	27.71	-4.09	26.32	-2.70	-6.50	625.31	-1140.70	-1045.18	
529.78399.47											
		45	2.91	16.04	-10.03	6.29	-0.28	-12.61	1239.38	-1205.78	-188.46	
222.051205.23											
10	192	22	0.66	6.13	0.92	6.02	1.03	-0.75	178.19	-389.81	-138.33	-
73.29282.13											
		23	1.44	19.94	-0.90	19.79	-0.75	-1.77	-21.02	-952.22	-929.56	-
43.68143.48											
		46	2.41	26.49	-6.84	23.87	-4.21	-8.98	672.82	-1171.56	-1023.98	
525.24500.41											
		45	3.14	15.77	-12.00	3.72	0.05	-13.76	1337.58	-1295.41	-166.03	
208.201303.13											
10	220	22	0.42	2.34	0.36	2.32	0.37	0.16	111.99	-272.61	-100.05	-
60.56191.28											
		23	1.30	15.95	0.41	15.95	0.41	0.16	-38.33	-893.71	-891.58	-
40.4642.64											
		46	2.27	25.49	-3.61	24.19	-2.31	-6.01	643.00	-1115.67	-1022.82	
550.14393.30											
		45	2.97	14.79	-11.18	4.17	-0.55	-12.77	1286.64	-1209.11	-167.64	
245.171230.69											
11	7	23	2.29	54.74	1.19	54.73	1.21	0.95	-78.61	-1279.02	-1272.99	-
84.6584.91											
		24	2.27	56.47	1.16	56.46	1.18	-0.77	-64.35	-1240.21	-1222.51	-
82.05-143.16											
		47	3.56	71.82	-1.51	71.81	-1.49	0.95	929.76	-1588.87	-1313.78	
654.66-785.61											
		46	3.33	69.48	-1.84	69.31	-1.67	-3.46	793.25	-1436.65	-1346.73	
703.33438.67											
11	69	23	2.49	62.81	0.51	62.74	0.59	2.17	-95.08	-1348.00	-1345.88	-
97.21-51.53											
		24	2.51	64.55	-0.01	64.44	0.10	-2.70	-32.55	-1360.49	-1295.92	-
97.11-285.61											
		47	3.82	76.31	-3.31	76.30	-3.29	-1.11	998.10	-1757.89	-1397.79	
638.00-928.85											
		46	3.41	73.87	-3.12	73.80	-3.06	-2.19	731.37	-1472.26	-1430.22	
689.33301.44											
11	139	23	1.84	44.51	0.42	44.47	0.47	1.43	-72.64	-1018.24	-1017.55	-
73.33-25.61											
		24	1.85	45.78	0.06	45.71	0.13	-1.77	-28.79	-1023.20	-978.95	-
73.04-205.06											
		47	2.86	54.51	-2.50	54.51	-2.50	-0.19	761.19	-1324.69	-1055.86	
492.36-698.92											
		46	2.56	52.76	-2.46	52.67	-2.37	-2.17	567.97	-1117.60	-1081.06	
531.43245.46											
11	158	23	1.51	28.97	0.71	28.97	0.72	0.23	-59.05	-931.73	-926.84	-
63.9465.12											
		24	1.49	29.97	0.65	29.97	0.65	-0.14	-47.87	-901.59	-887.32	-
62.15-109.45											
		47	2.50	38.99	-1.96	38.81	-1.79	2.67	713.45	-1168.66	-955.39	
500.18-596.59											
		46	2.31	37.72	-2.38	37.30	-1.95	-4.13	606.37	-1051.48	-981.92	
536.81332.40											
11	164	23	1.35	19.82	0.56	19.82	0.56	-0.16	-58.84	-907.31	-902.21	-
63.9465.59											
		24	1.33	20.63	0.46	20.63	0.46	0.21	-47.42	-877.36	-862.54	-
62.24-109.90											

	47	2.37	27.87	-2.87	27.30	-2.29	4.15	719.29	-1146.56	-929.99	
502.72-597.64											
	46	2.16	26.97	-3.45	26.01	-2.49	-5.33	610.13	-1027.97	-956.89	
539.05333.75											
11 182	23	1.48	25.20	0.01	25.16	0.05	1.02	-68.22	-945.76	-943.26	-
70.72-46.79											
	24	1.51	25.99	-0.17	25.97	-0.15	-0.71	-15.28	-961.83	-904.29	-
72.81-226.17											
	47	2.59	30.57	-3.69	30.27	-3.39	3.19	781.43	-1268.66	-978.32	
491.10-714.79											
	46	2.16	29.47	-4.01	28.97	-3.51	-4.07	562.33	-1035.55	-1004.52	
531.30220.49											
11 200	23	1.37	20.30	0.55	20.30	0.55	-0.09	-60.47	-913.60	-909.16	-
64.9161.40											
	24	1.33	20.32	0.48	20.32	0.48	0.20	-46.37	-880.17	-863.47	-
63.07-116.83											
	47	2.43	27.78	-2.98	27.06	-2.26	4.67	749.26	-1169.41	-930.54	
510.40-633.44											
	46	2.16	27.48	-3.27	26.66	-2.45	-4.95	609.02	-1024.65	-963.50	
547.87310.10											
12 15	24	1.44	0.88	-12.57	-10.97	-0.73	-4.36	-38.54	-1058.25	-1051.10	-
45.68-85.08											
	25	1.01	-4.25	-60.08	-58.37	-5.95	9.61	138.81	-331.96	-116.06	-
77.09-234.58											
	48	4.37	28.79	-82.68	-68.48	14.58	37.17	1638.73	-1593.61	-201.61	
246.73-1600.55											
	47	2.64	-14.92	-48.19	-39.68	-23.44	14.52	912.35	-1472.36	-1252.43	
692.42-690.00											
12 81	24	1.74	12.75	-2.67	12.72	-2.63	0.74	39.21	-1248.02	-1149.58	-
59.23-342.08											
	25	1.20	0.21	-22.16	-19.55	-2.40	7.18	318.10	-648.04	-216.53	-
113.41-480.31											
	48	4.71	25.56	-43.38	-26.65	8.83	29.55	1850.03	-1932.01	-282.00	
200.02-1875.60											
	47	3.42	6.65	-27.74	-3.09	-18.00	15.50	1072.39	-1759.34	-1335.30	
648.35-1010.42											
12 145	24	1.33	11.08	-1.71	11.07	-1.69	0.48	20.54	-944.63	-881.01	-
43.09-239.50											
	25	0.85	0.31	-13.48	-11.58	-1.59	4.75	225.93	-471.31	-162.37	-
83.01-346.36											
	48	3.54	18.56	-28.63	-15.90	5.83	20.95	1405.43	-1464.08	-214.20	
155.55-1422.79											
	47	2.61	7.63	-18.33	1.56	-12.27	10.98	811.70	-1341.93	-1026.00	
495.76-761.97											
12 159	24	1.12	7.64	-0.30	7.34	6.76e-03	-1.52	-23.27	-844.79	-837.51	-
30.55-77.01											
	25	0.48	-1.15	-14.07	-13.29	-1.92	3.06	105.33	-277.76	-115.28	-
57.15-189.33											
	48	3.13	15.04	-25.34	-14.91	4.60	17.68	1277.63	-1279.54	-178.53	
176.62-1266.19											
	47	2.28	6.03	-12.82	2.17	-8.95	7.61	715.25	-1209.05	-994.61	
500.81-605.51											
12 164	24	1.32	19.40	0.44	19.40	0.44	-0.12	-18.28	-868.42	-859.66	-
27.04-85.86											
	25	0.50	10.88	0.10	10.88	0.11	-0.25	104.78	-295.46	-135.17	-
55.51-196.12											
	48	3.03	18.56	-5.03	13.98	-0.45	9.33	1290.68	-1320.59	-196.45	
166.54-1292.96											
	47	2.53	27.97	-2.81	27.17	-2.01	4.89	727.93	-1269.93	-1018.48	
476.48-662.67											
12 182	24	1.46	22.48	-0.71	22.34	-0.57	1.82	14.83	-921.96	-874.38	-
32.74-205.67											
	25	0.76	14.14	0.84	14.13	0.85	0.45	203.05	-426.42	-151.98	-
71.39-312.15											
	48	3.31	20.58	-5.46	15.31	-0.20	10.46	1395.82	-1449.53	-205.91	
152.20-1411.36											
	47	2.75	29.78	-4.97	28.19	-3.38	7.26	807.94	-1361.82	-1025.87	
471.99-784.90											
12 216	24	1.26	16.79	0.44	16.79	0.44	0.04	-18.54	-850.43	-839.41	-

29.56-95.13											
	25	0.50	8.86	0.21	8.83	0.23	-0.48	126.44	-301.69	-117.07	-
58.17-212.03											
	48	3.18	17.29	-5.68	12.39	-0.79	9.40	1387.83	-1372.18	-176.87	
192.52-1367.59											
	47	2.55	26.16	-2.22	25.48	-1.55	4.31	780.40	-1278.37	-996.77	
498.80-707.43											
13	7	25	0.88	54.89	0.80	54.89	0.80	0.45	229.93	-102.78	30.03
97.12-162.94											
	26	1.89	38.45	-0.41	38.38	-0.34	-1.62	1102.71	16.45	1090.06	
29.10-116.54											
	49	3.48	37.33	10.52	37.31	10.53	-0.68	2080.62	-729.93	1868.78	-
518.09-741.97											
	48	4.92	51.40	-10.67	43.96	-3.23	20.16	1625.89	-2428.19	-489.23	-
313.08-2025.12											
13	73	25	0.97	34.48	-0.87	34.34	-0.72	-2.25	433.50	-247.93	108.36
77.22-340.36											
	26	1.93	21.89	-1.83	21.78	-1.72	1.62	1190.30	-261.81	1130.88	-
202.39-287.67											
	49	3.74	29.85	8.77	29.16	9.46	3.77	2212.24	-1044.44	1908.39	-
740.59-947.22											
	48	5.18	45.25	-5.93	40.44	-1.11	14.95	1870.67	-2589.46	-391.90	-
326.89-2229.83											
13	141	25	0.69	24.22	-0.57	24.13	-0.48	-1.51	316.20	-170.91	83.90
61.39-243.29											
	26	1.44	15.14	-1.34	15.08	-1.28	0.95	911.41	-171.65	871.75	-
131.99-203.42											
	49	2.80	19.79	6.32	19.20	6.91	2.75	1691.98	-768.33	1469.28	-
545.64-705.90											
	48	3.93	32.49	-4.55	28.61	-0.67	11.34	1415.08	-1966.81	-302.22	-
249.51-1690.74											
13	158	25	0.45	22.99	0.29	22.98	0.29	0.09	191.94	-53.34	64.21
74.38-122.53											
	26	1.28	14.81	-0.75	14.73	-0.67	-1.10	874.05	13.37	865.16	
22.26-87.02											
	49	2.46	11.08	5.87	10.95	5.99	0.80	1612.72	-545.97	1458.81	-
392.07-555.47											
	48	3.61	26.86	-6.38	21.22	-0.73	12.48	1248.75	-1817.37	-330.45	-
238.18-1532.36											
13	164	25	0.34	9.26	0.04	9.26	0.04	-0.11	203.98	-42.18	87.43
74.36-122.91											
	26	1.16	4.38	-1.17	4.20	-1.00	-0.97	892.52	13.27	883.76	
22.03-87.34											
	49	2.48	4.98	-2.26	-1.78	4.50	1.80	1631.83	-543.54	1477.68	-
389.39-558.18											
	48	3.54	18.39	-5.45	12.40	0.54	10.34	1259.80	-1803.86	-307.16	-
236.90-1531.43											
13	169	25	0.52	8.35	0.36	7.76	0.95	2.10	331.68	-112.45	139.27
79.96-220.08											
	26	1.25	3.93	-1.58	2.67	-0.32	-2.31	970.72	-14.29	934.96	
21.46-184.23											
	49	2.70	4.00	-8.68	-8.67	3.99	0.41	1732.12	-593.47	1528.63	-
389.98-657.13											
	48	3.78	15.63	-9.86	5.54	0.22	12.46	1387.18	-1874.50	-255.72	-
231.60-1630.79											
13	216	25	0.36	7.52	0.06	7.52	0.06	-0.05	227.51	-51.94	104.52
71.05-138.72											
	26	1.16	2.49	-1.19	2.23	-0.93	-0.95	911.90	5.21	898.15	
18.97-110.84											
	49	2.62	5.08	-3.97	-3.60	4.71	1.81	1706.83	-576.74	1490.42	-
360.33-668.85											
	48	3.68	16.74	-6.12	10.23	0.39	10.31	1355.96	-1851.70	-286.74	-
209.00-1603.36											
14	7	26	2.11	47.01	-1.30	46.85	-1.13	-2.84	1200.68	72.35	1200.34
72.70-19.75											
	27	1.31	56.27	-0.66	56.13	-0.52	2.85	486.94	174.60	480.07	
181.4745.81											
	50	4.20	58.43	-14.14	41.21	3.08	-30.87	1528.40	-1868.14	537.03	-
876.771544.16											

	49	3.43	21.62	0.80	14.02	8.40	10.02	2165.90	-943.33	1918.39	-
695.81-841.62											
14 95	26	2.01	17.39	-3.97	15.98	-2.56	-5.30	1372.19	-187.95	1314.86	-
130.61293.54											
	27	1.45	25.87	-0.65	24.87	0.35	5.06	862.53	-99.13	625.44	
137.96414.47											
	50	4.98	42.10	-10.47	26.06	5.57	-24.21	2066.51	-2178.48	784.18	-
896.151949.13											
	49	3.54	9.29	-1.87	-0.94	8.36	3.08	2200.45	-945.78	2125.97	-
871.30-478.32											
14 152	26	1.50	12.36	-2.77	11.47	-1.88	-3.56	1039.04	-113.22	1005.43	-
79.60193.93											
	27	1.04	18.90	-0.51	18.24	0.15	3.51	626.22	-42.80	472.92	
110.50281.17											
	50	3.74	31.42	-8.19	19.03	4.20	-18.37	1538.23	-1640.55	584.25	-
686.571456.85											
	49	2.72	6.70	-2.27	-1.72	6.15	2.16	1688.29	-720.48	1618.93	-
651.12-402.80											
14 163	26	1.25	4.20	-1.51	4.12	-1.44	-0.66	979.49	28.09	978.65	
28.9328.31											
	27	0.66	10.64	-0.70	10.46	-0.52	1.41	457.86	110.71	435.38	
133.1985.44											
	50	3.24	24.64	-8.98	11.74	3.92	-16.35	1274.31	-1455.61	490.42	-
671.731235.10											
	49	2.76	4.49	-8.84	-8.84	4.48	0.32	1689.02	-702.67	1537.39	-
551.05-582.79											
14 164	26	1.25	6.14	-1.28	6.13	-1.27	-0.19	966.60	55.85	966.41	
56.04-13.24											
	27	0.64	12.54	-0.74	12.46	-0.66	1.04	424.35	134.26	419.70	
138.9236.44											
	50	3.12	25.33	-9.26	12.39	3.69	-16.74	1205.09	-1412.65	461.01	-
668.561180.75											
	49	2.76	4.38	-8.23	-8.18	4.34	0.76	1690.77	-705.59	1512.13	-
526.95-629.42											
14 192	26	1.27	1.91	-2.27	1.50	-1.86	-1.24	996.91	-30.70	981.27	-
15.06125.79											
	27	0.75	8.31	-0.22	7.96	0.13	1.69	536.61	32.04	443.90	
124.76195.41											
	50	3.48	23.60	-8.73	10.34	4.52	-15.90	1403.66	-1558.09	521.50	-
675.921354.45											
	49	2.74	4.39	-10.26	-10.26	4.39	-0.07	1662.18	-691.02	1561.39	-
590.22-476.48											
14 213	26	1.26	8.17	-1.31	8.16	-1.31	-0.15	952.57	59.14	952.46	
59.26 10.14											
	27	0.65	13.85	-0.78	13.78	-0.70	1.03	420.26	126.07	403.63	
142.7067.93											
	50	3.43	26.97	-8.00	14.84	4.13	-16.65	1321.69	-1578.65	442.95	-
699.911332.84											
	49	2.64	4.03	-6.71	-6.64	3.95	0.88	1623.72	-681.19	1499.34	-
556.82-520.77											
15 15	27	1.18	-6.95	-53.04	-52.34	-7.66	-5.66	367.08	-65.89	326.15	-
24.97126.67											
	28	1.34	9.87	-2.59	7.45	-0.17	4.93	-15.99	-1032.95	-1018.16	-
30.78121.72											
	51	3.36	17.50	-42.87	-5.19	-20.18	-29.23	870.53	-1663.77	-1302.62	
509.38885.91											
	50	4.38	39.94	-72.99	-49.82	16.78	-45.60	1522.46	-1377.14	317.04	-
171.721429.05											
15 103	27	1.70	-1.15	-36.00	-34.67	-2.48	-6.67	775.73	-453.13	404.65	-
82.05564.19											
	28	1.75	11.51	-2.89	11.44	-2.82	-0.98	218.78	-1181.87	-919.72	-
43.37546.31											
	51	4.20	31.28	-36.23	10.72	-15.67	-31.07	1205.65	-1952.78	-1213.67	
466.551337.21											
	50	5.10	36.70	-54.20	-30.20	12.70	-40.07	1966.64	-1818.47	391.56	-
243.391865.74											
15 156	27	1.17	-0.71	-22.13	-21.18	-1.66	-4.41	552.08	-305.45	303.46	-
56.82389.08											
	28	1.32	12.21	-1.89	12.19	-1.86	-0.62	136.21	-880.42	-713.02	-

31.19377.04											
	51	3.15	26.61	-24.60	12.63	-10.62	-22.81	888.88	-1470.66	-938.53	
356.75986.12											
	50	3.75	26.95	-36.58	-18.30	8.67	-28.76	1462.98	-1350.98	293.97	-
181.961386.71											
15 159	27	0.50	-2.16	-9.64	-9.21	-2.58	-1.73	283.38	-48.82	251.90	-
17.3497.29											
	28	1.25	22.01	-0.13	21.87	0.02	1.78	-7.97	-775.82	-763.84	-
19.9495.13											
	51	2.68	30.74	-16.58	21.60	-7.45	-18.68	660.00	-1280.14	-984.22	
364.08697.54											
	50	2.95	23.92	-26.29	-8.81	6.45	-23.92	1153.05	-1048.39	245.61	-
140.951083.62											
15 164	27	0.57	14.53	-0.06	14.53	-0.06	0.28	284.15	-47.40	252.68	-
15.9297.18											
	28	1.41	34.21	0.13	34.21	0.13	0.25	-4.64	-761.49	-749.04	-
17.0996.28											
	51	2.78	46.39	-6.48	41.17	-1.27	-15.76	653.15	-1280.91	-970.62	
342.86709.82											
	50	2.67	24.19	-8.93	13.76	1.51	-15.38	1139.27	-1040.05	246.94	-
147.721071.65											
15 188	27	0.69	23.10	1.70	22.93	1.87	-1.87	306.11	-161.89	189.24	-
45.03202.57											
	28	1.66	42.23	-1.65	41.95	-1.37	-3.47	20.55	-855.65	-808.70	-
26.39197.31											
	51	3.13	53.72	-10.60	46.42	-3.30	-20.41	712.92	-1416.92	-1036.40	
332.40815.88											
	50	2.97	31.54	-9.02	19.63	2.88	-18.47	1194.85	-1195.95	177.18	-
178.281182.12											
15 219	27	0.59	16.69	-0.22	16.69	-0.22	-0.07	284.57	-68.26	229.30	-
12.99128.24											
	28	1.50	37.44	0.15	37.44	0.15	0.41	8.60	-799.52	-776.29	-
14.63135.03											
	51	3.10	48.60	-7.34	43.03	-1.78	-16.74	767.83	-1448.90	-1001.33	
320.27889.84											
	50	2.98	25.32	-8.26	15.07	1.99	-15.46	1259.35	-1214.36	221.58	-
176.591220.73											
16 7	28	2.33	71.94	1.30	71.94	1.30	0.63	-36.70	-1102.87	-1087.59	-
51.98126.71											
	29	3.16	91.01	0.82	90.98	0.84	-1.36	-62.97	-1553.01	-1552.74	-
63.24-19.84											
	52	3.83	105.00	-1.26	103.50	0.24	-12.53	560.16	-1596.15	-1596.15	
560.16 0.60											
	51	3.59	85.17	-3.46	83.01	-1.30	-13.66	750.38	-1529.79	-1204.71	
425.30797.22											
16 73	28	3.00	96.24	0.37	96.21	0.40	-1.64	7.43	-1390.99	-1276.27	-
107.29383.76											
	29	3.81	117.06	-2.13	116.28	-1.35	-9.62	-65.21	-1767.30	-1735.06	-
97.45232.05											
	52	4.37	118.55	-8.88	114.73	-5.07	-21.71	555.05	-1815.61	-1784.67	
524.10269.08											
	51	4.30	97.57	-6.87	94.21	-3.51	-18.42	868.98	-1899.94	-1398.93	
367.981065.94											
16 141	28	2.19	68.85	0.31	68.83	0.33	-1.10	-0.69	-1029.49	-953.43	-
76.76269.20											
	29	2.81	85.04	-1.35	84.56	-0.87	-6.42	-52.73	-1325.40	-1306.74	-
71.39152.97											
	52	3.25	86.96	-6.32	84.24	-3.60	-15.70	425.46	-1362.64	-1344.05	
406.87181.35											
	51	3.21	71.07	-5.28	68.32	-2.53	-14.23	658.36	-1416.14	-1046.86	
289.08793.54											
16 158	28	1.57	43.23	0.69	43.23	0.69	0.18	-26.04	-803.06	-789.83	-
39.27100.51											
	29	2.22	59.48	0.41	59.48	0.41	-0.49	-47.95	-1145.11	-1144.98	-
48.08-12.13											
	52	2.72	67.93	-2.11	66.66	-0.84	-9.33	429.67	-1177.36	-1177.15	
429.4518.52											
	51	2.61	53.37	-4.22	50.38	-1.23	-12.78	591.51	-1143.05	-877.79	
326.24624.30											

16	164	28	1.43	35.15	0.45	35.15	0.45	-0.06	-25.74	-782.88	-769.37	-39.26100.24
		29	2.10	52.81	0.24	52.81	0.24	-0.07	-47.98	-1125.41	-1125.25	-48.14-12.97
		52	2.58	59.53	-3.01	58.15	-1.63	-9.19	431.17	-1157.20	-1157.06	431.0414.75
		51	2.53	45.86	-5.96	41.32	-1.42	-14.65	594.65	-1123.18	-856.78	328.25621.82
16	188	28	1.85	51.75	0.31	51.73	0.34	-1.13	-9.16	-935.06	-885.57	-58.65208.25
		29	2.49	69.38	-0.83	69.15	-0.59	-4.02	-51.93	-1246.89	-1239.63	-59.1992.83
		52	2.94	71.88	-5.90	69.48	-3.49	-13.45	428.48	-1282.94	-1274.05	419.59123.02
		51	2.93	57.20	-6.44	52.88	-2.12	-16.02	640.18	-1307.52	-975.62	308.28732.31
16	219	28	1.53	38.33	0.41	38.33	0.42	-0.25	-12.24	-821.37	-796.85	-36.76138.70
		29	2.19	56.45	0.23	56.45	0.23	0.07	-45.76	-1151.54	-1150.67	-46.6331.04
		52	2.71	61.73	-3.35	60.28	-1.89	-9.62	444.37	-1213.98	-1185.46	415.85215.60
		51	2.82	47.67	-5.88	43.29	-1.50	-14.67	706.22	-1288.60	-887.11	304.73799.82
17	7	29	3.09	89.85	1.06	89.85	1.07	0.42	-63.84	-1513.71	-1513.71	-63.84-1.14
		30	3.44	104.31	1.07	104.28	1.11	-1.80	-47.97	-1633.73	-1620.68	-61.02-143.24
		53	4.18	112.95	-1.08	112.54	-0.67	-6.78	724.59	-1850.57	-1630.38	504.40-720.09
		52	3.77	103.55	-1.73	102.65	-0.83	-9.69	554.00	-1556.05	-1555.60	553.55-30.61
17	51	29	3.73	114.41	2.13	114.34	2.20	-2.83	-82.61	-1760.68	-1757.91	-85.3868.10
		30	4.08	128.18	-0.24	127.93	9.43e-03	-5.64	-39.39	-1867.16	-1863.89	-42.67-77.26
		53	4.67	131.89	-3.76	131.00	-2.88	-10.92	683.43	-2034.39	-1873.62	522.66-641.17
		52	4.33	123.26	-1.72	121.67	-0.12	-14.03	532.78	-1800.42	-1799.40	531.7748.61
17	130	29	2.76	83.32	1.48	83.28	1.52	-1.91	-61.71	-1319.70	-1318.04	-63.3745.77
		30	3.03	93.88	-0.11	93.72	0.04	-3.79	-31.50	-1402.77	-1399.61	-34.67-65.83
		53	3.49	96.67	-2.73	96.06	-2.13	-7.75	529.08	-1535.48	-1406.97	400.57-498.81
		52	3.22	90.08	-1.53	88.85	-0.29	-10.57	411.83	-1350.35	-1349.79	411.2731.42
17	158	29	2.18	59.15	0.57	59.15	0.57	0.04	-48.43	-1115.40	-1115.39	-48.443.29
		30	2.44	69.77	0.51	69.77	0.52	-0.71	-36.88	-1206.83	-1197.09	-46.63-106.31
		53	2.99	74.01	-1.33	73.77	-1.10	-4.22	549.72	-1364.53	-1203.89	389.08-530.74
		52	2.67	67.34	-2.19	66.32	-1.17	-8.33	424.24	-1146.43	-1146.41	424.23-4.34
17	164	29	2.07	52.90	0.38	52.90	0.38	-0.18	-48.41	-1095.72	-1095.72	-48.422.76
		30	2.33	63.29	0.27	63.29	0.27	-0.19	-36.60	-1187.71	-1177.60	-46.70-107.37
		53	2.87	65.63	-1.73	65.44	-1.55	-3.52	555.60	-1348.82	-1184.18	390.96-535.20
		52	2.53	59.40	-2.95	58.04	-1.59	-9.10	425.71	-1126.46	-1126.43	425.68-7.43
17	176	29	2.49	71.09	0.82	71.08	0.83	-0.99	-59.21	-1239.74	-1236.88	-62.0758.06
		30	2.75	81.35	-0.27	81.26	-0.18	-2.72	-39.95	-1320.10	-1317.87	-42.18-53.35
		53	3.18	80.84	-3.20	80.36	-2.72	-6.32	520.27	-1449.72	-1324.60	

395.15-480.44											
	52	2.92	74.51	-2.83	73.16	-1.48	-10.13	413.87	-1269.15	-1267.74	
412.4748.60											
17 220	29	2.04	51.06	0.41	51.06	0.41	-0.03	-48.46	-1097.45	-1095.91	-
50.00-40.17											
	30	2.34	62.69	0.29	62.69	0.30	-0.41	-26.26	-1210.45	-1190.57	-
46.14-152.13											
	53	3.05	65.93	-1.59	65.69	-1.35	-4.01	676.87	-1483.59	-1195.14	
388.42-734.83											
	52	2.53	59.17	-3.07	57.50	-1.40	-10.04	466.90	-1149.17	-1123.92	
441.65-200.43											
18 15	30	3.08	72.51	-1.89	72.47	-1.84	-1.82	-45.96	-1693.51	-1678.25	-
61.22-157.83											
	31	3.01	56.56	-2.26	56.04	-1.75	5.47	-3.70	-1790.12	-1744.48	-
49.33-281.85											
	54	4.73	41.88	-18.45	29.15	-5.72	24.62	1131.59	-2523.00	-1769.35	
377.95-1478.61											
	53	3.60	43.71	-10.65	42.83	-9.77	-6.86	855.43	-1996.73	-1695.74	
554.45-876.28											
18 51	30	4.26	136.43	2.05	136.35	2.13	-3.26	-74.85	-1940.34	-1938.14	-
77.05-64.08											
	31	4.31	142.08	0.42	141.82	0.68	-6.07	-49.94	-1913.85	-1897.48	-
66.31-173.91											
	54	5.19	137.54	-4.64	137.47	-4.58	-3.07	858.09	-2443.35	-1907.95	
322.69-1216.94											
	53	4.83	139.91	0.27	139.40	0.78	-8.40	650.48	-2112.31	-1939.01	
477.17-669.90											
18 130	30	3.15	99.43	1.42	99.38	1.47	-2.21	-54.69	-1451.59	-1449.41	-
56.87-55.05											
	31	3.19	103.50	0.36	103.33	0.53	-4.11	-34.49	-1432.28	-1418.01	-
48.76-140.51											
	54	3.90	100.10	-3.45	100.08	-3.43	-1.57	673.16	-1850.48	-1428.13	
250.81-942.06											
	53	3.60	102.04	-0.02	101.67	0.34	-6.12	507.53	-1590.17	-1452.14	
369.49-520.11											
18 159	30	2.35	60.21	-0.42	60.20	-0.42	-0.75	-34.54	-1237.26	-1228.02	-
43.79-105.02											
	31	2.33	56.07	-0.32	56.03	-0.28	1.55	-3.76	-1263.90	-1231.86	-
35.80-198.38											
	54	3.45	47.59	-5.56	45.55	-3.52	10.21	810.42	-1786.26	-1253.48	
277.64-1048.63											
	53	2.83	51.76	-4.36	51.39	-3.99	-4.51	601.29	-1441.09	-1242.96	
403.16-604.48											
18 164	30	2.33	63.61	0.35	63.61	0.35	-0.25	-33.80	-1187.35	-1179.89	-
41.26-92.49											
	31	2.35	65.91	0.53	65.90	0.53	-0.48	-4.46	-1177.41	-1147.71	-
34.16-184.28											
	54	3.34	63.43	-3.03	63.24	-2.84	3.53	764.52	-1668.12	-1171.22	
267.62-980.75											
	53	2.89	65.73	-1.53	65.50	-1.30	-3.92	558.53	-1369.18	-1195.97	
385.32-551.28											
18 176	30	2.83	85.07	0.70	85.06	0.71	-0.91	-51.99	-1351.98	-1350.65	-
53.32-41.57											
	31	2.84	87.34	0.37	87.27	0.44	-2.53	-25.04	-1331.29	-1317.86	-
38.46-131.75											
	54	3.61	81.96	-3.62	81.94	-3.60	1.35	689.30	-1760.35	-1335.34	
264.30-927.62											
	53	3.27	84.55	-1.49	84.29	-1.23	-4.70	507.78	-1494.38	-1360.71	
374.12-499.75											
18 220	30	2.35	62.97	0.36	62.97	0.36	-0.15	-24.56	-1209.02	-1192.88	-
40.70-137.31											
	31	2.43	67.57	0.58	67.56	0.59	-0.77	11.91	-1218.80	-1176.86	-
30.03-223.28											
	54	3.59	64.48	-2.85	64.38	-2.75	2.61	875.23	-1843.02	-1201.79	
234.00-1154.05											
	53	3.06	66.18	-1.46	65.75	-1.04	-5.34	680.37	-1505.58	-1207.75	
382.55-749.88											
19 15	31	3.33	71.10	-4.40	70.59	-3.89	-6.18	-2.70	-1907.89	-1878.69	-
31.90-234.04											

	32	2.10	29.23	-10.17	19.39	-0.32	17.06	130.61	-1269.04	-1159.65	21.22-375.69
	55	5.62	33.45	-48.91	-17.15	1.69	40.09	1445.87	-2952.03	-1411.02	-95.14-2098.21
	54	4.73	29.77	-25.07	24.95	-20.25	15.53	1097.44	-2647.17	-1923.79	374.05-1478.35
19 79	31	3.84	91.43	-5.53	91.32	-5.42	-3.26	3.31	-2042.50	-2034.00	-5.20-131.65
	32	2.49	47.73	-9.13	40.19	-1.59	19.29	127.74	-1369.98	-1310.76	68.52-291.86
	55	5.66	44.02	-41.01	2.69	0.31	42.50	1325.99	-2975.99	-1595.68	-54.32-2008.19
	54	5.00	49.59	-26.87	44.73	-22.01	18.66	998.69	-2715.65	-2112.78	395.82-1369.60
19 144	31	2.89	69.97	-3.65	69.90	-3.59	-2.23	2.97	-1527.63	-1519.96	-4.70-108.08
	32	1.86	38.29	-4.95	34.14	-0.80	12.74	94.45	-998.33	-947.95	44.07-229.16
	55	4.30	34.56	-27.47	7.87	-0.78	30.71	1041.92	-2233.75	-1159.27	-32.56-1537.90
	54	3.79	41.08	-17.81	38.15	-14.88	12.81	763.47	-2047.11	-1582.06	298.42-1044.41
19 159	31	2.52	61.96	-1.27	61.87	-1.19	-2.29	4.44	-1343.41	-1323.07	-15.90-164.32
	32	1.56	38.40	0.26	37.68	0.97	5.17	93.43	-794.75	-701.53	0.22-272.22
	55	4.10	34.53	-18.09	20.09	-3.65	23.48	1158.15	-2050.48	-876.17	-16.16-1545.61
	54	3.51	44.60	-8.48	43.73	-7.61	6.75	782.52	-1889.84	-1378.79	271.48-1050.97
19 164	31	2.49	67.67	0.19	67.67	0.20	-0.41	9.43	-1248.45	-1229.73	-9.29-152.31
	32	1.54	55.11	1.89	55.10	1.91	-0.90	91.79	-659.74	-555.85	-12.10-259.40
	55	3.95	51.00	-12.88	45.55	-7.43	17.85	1194.54	-1883.26	-716.17	27.44-1493.31
	54	3.43	62.61	-1.64	62.49	-1.52	2.78	735.40	-1777.88	-1301.52	259.04-985.04
19 176	31	3.04	90.50	0.53	90.50	0.53	-0.50	-14.81	-1442.09	-1436.67	-20.23-87.83
	32	2.06	77.53	-0.14	77.50	-0.11	-1.52	15.77	-813.37	-764.70	-32.90-194.90
	55	4.08	70.59	-13.07	67.12	-9.60	16.68	1045.31	-1966.26	-927.42	6.47-1431.56
	54	3.81	84.55	-1.42	84.50	-1.36	2.15	643.58	-1906.56	-1510.93	247.95-923.25
19 220	31	2.56	69.61	0.15	69.60	0.16	-0.46	22.83	-1288.00	-1259.77	-5.40-190.27
	32	1.67	59.31	2.17	59.28	2.19	-1.10	108.97	-715.41	-603.43	-3.01-282.45
	55	4.17	52.58	-13.91	47.55	-8.88	17.58	1233.79	-2039.96	-771.67	-34.50-1594.84
	54	3.65	63.54	-0.87	63.53	-0.87	0.78	835.92	-1948.35	-1331.93	219.50-1155.98
20 15	32	1.51	8.94	-20.14	-7.27	-3.93	-14.44	294.07	-838.97	-750.20	205.30-304.47
	33	1.87	40.47	-13.70	34.67	-7.91	16.74	1098.53	-39.79	1067.59	-8.84-185.11
	56	5.09	-14.59	-129.16	-129.08	-14.67	3.10	2380.14	-819.32	2141.04	-580.23-841.31
	55	6.83	69.01	-2.92	46.76	19.33	33.25	1551.69	-3824.29	-1518.40	-754.20-2660.70
20 57	32	1.65	19.02	-11.77	15.22	-7.97	-10.12	208.13	-1055.58	-1008.58	161.12-239.15
	33	1.85	64.28	-11.43	58.41	-5.56	20.24	859.63	63.21	834.53	88.32-139.16
	56	4.45	-11.78	-107.82	-107.11	-12.50	8.28	2102.09	-711.76	1880.00	-489.67-758.68
	55	6.97	88.42	-5.96	67.46	15.00	39.23	1301.86	-3912.02	-1805.48	-

804.68-2558.46											
20	133	32	1.27	19.78	-7.26	17.76	-5.25	-7.10	164.95	-746.46	-707.05
125.54-185.38											
		33	1.45	46.36	-7.75	42.53	-3.92	13.87	709.37	42.62	691.03
60.95-109.04											
		56	3.35	-6.72	-72.49	-71.66	-7.55	7.34	1648.27	-549.02	1491.29	-
392.04-565.93											
		55	5.30	65.36	-6.65	49.35	9.36	29.94	1039.78	-2945.89	-1302.07	-
604.04-1962.04											
20	159	32	1.07	31.18	-2.26	29.95	-1.02	-6.31	218.30	-470.23	-397.39	
145.46-211.77											
		33	1.55	28.43	-5.15	26.83	-3.55	7.15	946.45	-12.34	928.25	
5.86-130.81											
		56	3.34	0.18	-45.85	-44.11	-1.56	8.77	1848.81	-596.00	1725.00	-
472.20-536.05											
		55	5.06	50.14	-12.20	34.21	3.73	27.19	1254.44	-2717.49	-924.40	-
538.66-1976.58											
20	164	32	1.27	57.25	0.38	57.12	0.50	-2.64	215.57	-339.63	-259.99	
135.93-194.61											
		33	1.64	27.22	-1.88	26.95	-1.62	2.78	1024.83	0.80	1010.10	
15.54-121.96											
		56	2.93	16.18	-12.21	-1.92	5.88	13.65	1870.80	-578.10	1784.68	-
491.98-451.08											
		55	4.93	48.13	-20.06	32.87	-4.79	28.43	1303.91	-2548.96	-738.12	-
506.92-1922.96											
20	179	32	1.70	72.90	-1.75	72.90	-1.75	0.29	138.41	-494.22	-447.88	
92.07-164.83											
		33	1.61	44.05	-0.76	43.59	-0.30	4.55	857.61	77.70	843.20	
92.11-105.03											
		56	2.48	27.07	-6.34	13.75	6.97	16.36	1677.75	-498.27	1599.57	-
420.09-404.98											
		55	5.02	62.32	-22.02	47.64	-7.33	31.99	1124.77	-2624.98	-945.11	-
555.10-1864.71											
20	220	32	1.41	61.48	0.62	61.39	0.71	-2.41	230.29	-397.75	-310.37	
142.90-217.36											
		33	1.60	28.59	-1.86	28.33	-1.60	2.81	981.38	-0.41	963.13	
17.84-132.59											
		56	2.94	19.00	-12.50	-0.16	6.66	15.38	1839.22	-622.90	1731.41	-
515.09-503.81											
		55	5.16	49.46	-21.17	34.41	-6.11	28.93	1345.31	-2697.21	-792.50	-
559.40-2017.90											
21	15	33	2.13	5.78	-49.68	-44.66	0.76	15.92	1179.17	44.55	1173.40	
50.31-80.66											
		34	0.91	14.09	-13.29	7.07	-6.27	-11.95	594.97	84.31	588.97	
90.31-55.02											
		57	3.05	11.61	-66.10	-47.79	-6.70	32.99	1152.02	-1031.54	387.10	-
266.621041.70											
		56	4.46	87.41	0.08	75.56	11.94	-29.91	2224.29	-737.77	2060.15	-
573.63-677.67											
21	79	33	2.23	6.13	-50.77	-46.25	1.61	15.39	1222.10	-38.81	1221.68	-
38.38-23.05											
		34	0.88	11.81	-13.59	5.60	-7.38	-10.92	669.66	165.88	668.66	
166.8722.33											
		57	3.28	11.08	-64.00	-45.44	-7.48	32.39	1370.15	-1052.75	500.72	-
183.331162.17											
		56	4.54	90.42	0.94	78.24	13.12	-30.69	2256.23	-770.04	2141.75	-
655.56-577.36											
21	144	33	1.62	4.50	-31.51	-28.14	1.13	10.48	956.69	-20.44	956.23	-
19.98-21.32											
		34	0.67	8.15	-9.22	4.06	-5.13	-7.37	514.16	117.73	513.79	
118.10 12.21											
		57	2.47	8.51	-43.88	-31.12	-4.25	22.49	1050.98	-812.50	377.59	-
139.12895.21											
		56	3.36	60.21	2.36	53.63	8.94	-18.36	1743.18	-579.78	1660.20	-
496.80-431.14											
21	159	33	1.27	5.08	-8.03	-3.46	0.51	6.24	996.53	37.77	993.68	
40.62-52.21											
		34	0.66	5.89	-5.14	3.74	-2.99	-4.37	487.44	57.18	485.37	
59.24-29.72											
		57	2.20	8.69	-27.22	-19.42	0.90	14.81	968.59	-814.19	315.09	-

160.69859.06											
	56	2.92	31.50	4.74	31.46	4.79	-1.06	1755.32	-526.27	1674.25	-
445.19-422.38											
21 164	33	1.56	20.30	0.32	20.16	0.46	1.65	1065.27	40.13	1063.32	
42.09-44.68											
	34	0.64	2.55	-1.70	2.44	-1.59	-0.68	510.96	50.54	510.09	
51.42-20.08											
	57	2.11	8.59	-9.23	-6.17	5.52	6.72	1032.24	-830.64	328.33	-
126.73903.22											
	56	2.62	22.69	-10.19	11.07	1.42	15.72	1796.27	-501.77	1742.70	-
448.21-346.74											
21 182	33	1.63	17.76	1.12	17.73	1.14	0.67	1111.09	-41.66	1110.97	-
41.55-11.67											
	34	0.68	0.05	-2.82	-9.64e-03	-2.76	-0.42	585.20	95.44	583.66	
96.9727.38											
	57	2.29	7.22	-8.35	-5.78	4.66	5.78	1197.55	-845.83	429.44	-
77.72989.72											
	56	2.76	22.26	-8.07	11.79	2.41	14.42	1849.54	-558.45	1817.42	-
526.33-276.24											
21 210	33	1.57	16.59	0.13	16.38	0.34	1.84	1113.65	40.61	1111.62	
42.64-46.55											
	34	0.64	2.05	-1.56	1.84	-1.35	-0.85	520.69	53.16	519.81	
54.04-20.28											
	57	2.11	6.94	-8.16	-5.78	4.56	5.50	1039.70	-848.67	331.90	-
140.86914.12											
	56	2.68	19.52	-8.05	9.57	1.90	13.24	1852.01	-508.76	1798.88	-
455.63-350.14											
22 15	34	0.59	4.02	-23.92	-5.10	-14.79	13.11	316.47	-43.19	316.35	-
43.07-6.39											
	35	0.28	11.26	0.10	0.87	10.49	2.82	-9.22	-105.87	-36.29	-
78.80-43.40											
	58	0.50	-4.03	-14.90	-5.12	-13.81	3.27	277.40	-81.07	-41.51	
237.84112.32											
	57	2.15	33.02	-32.69	-6.77	7.10	-32.11	916.24	-325.55	302.18	
288.51620.85											
22 79	34	0.62	3.30	-24.60	-5.36	-15.94	12.91	342.33	18.40	338.29	
22.4535.96											
	35	0.17	10.38	-0.13	0.54	9.70	2.58	-16.93	-25.80	-17.03	-
25.710.91											
	58	0.59	-4.48	-15.59	-5.45	-14.63	3.13	352.75	-75.66	-15.15	
292.24149.21											
	57	2.24	32.38	-33.60	-7.12	5.90	-32.34	999.31	-312.60	331.30	
355.41655.85											
22 144	34	0.46	2.72	-16.54	-3.01	-10.81	8.81	262.16	5.21	259.45	
7.9226.22											
	35	0.13	7.01	-0.20	0.25	6.56	1.75	-13.24	-26.61	-15.03	-
24.82-4.55											
	58	0.44	-2.86	-10.21	-3.48	-9.59	2.04	271.96	-60.91	-17.00	
228.05112.63											
	57	1.66	21.40	-22.48	-5.55	4.47	-21.36	790.75	-240.25	267.39	
283.11515.44											
22 159	34	0.43	3.62	-8.60	0.69	-5.68	5.22	249.84	-44.49	249.65	-
44.317.39											
	35	0.16	4.16	-0.44	-0.18	3.90	1.06	-3.73	-82.93	-27.75	-
58.91-36.41											
	58	0.39	-0.81	-4.17	-1.07	-3.92	0.89	250.22	-72.90	-43.18	
220.5093.37											
	57	1.44	10.60	-11.62	-5.67	4.65	-9.84	834.76	-243.92	298.45	
292.40539.33											
22 164	34	0.43	4.60	-1.70	4.23	-1.32	1.49	255.39	-53.77	254.47	-
52.8516.80											
	35	0.11	0.74	-0.86	-0.83	0.71	0.22	-1.09	-84.13	-27.62	-
57.61-38.72											
	58	0.40	1.52	0.82	1.13	1.21	-0.35	278.69	-81.27	-51.79	
249.2198.70											
	57	1.35	4.25	-6.25	-6.02	4.03	1.52	934.16	-238.95	348.92	
346.29586.55											
22 188	34	0.43	4.68	-2.11	4.29	-1.72	1.57	274.85	-14.84	267.19	-
7.1846.47											

	35	0.04	0.46	-0.87	-0.84	0.42	0.20	-5.24	-31.77	-16.57	-20.43-13.12
	58	0.46	1.28	0.55	0.97	0.86	-0.36	326.40	-78.65	-39.53	287.28119.64
	57	1.41	3.79	-6.43	-6.20	3.56	1.52	985.20	-229.42	362.92	392.86607.12
22	213	34	0.44	4.66	-1.63	4.29	-1.26	1.47	262.29	-58.49	260.92	-57.1220.90
		35	0.12	0.62	-0.77	-0.75	0.59	0.18	-1.10	-87.52	-28.26	-60.35-40.12
		58	0.44	1.31	1.05	1.07	1.28	-0.08	301.01	-83.95	-54.63	271.69102.12
		57	1.42	3.89	-6.21	-6.04	3.72	1.33	991.75	-244.67	365.87	381.22618.16
23	15	36	0.82	9.56	-10.71	-0.43	-0.73	10.14	608.87	56.89	70.79	594.97-86.49
		37	3.19	2.70	-54.07	-19.36	-32.02	-27.67	1034.34	-1302.51	-259.50	-8.67-1161.67
		60	5.95	96.69	-51.71	16.90	28.08	73.99	3493.41	-903.22	-786.35	3376.54707.24
		59	5.19	-2.11	-110.77	-3.09	-109.80	-10.27	2997.99	82.58	88.85	2991.72135.09
23	101	36	1.55	4.10	-17.23	-1.94	-11.18	9.61	1122.48	117.62	179.49	1060.62-241.54
		37	3.56	-1.18	-58.03	-20.23	-38.98	-26.84	1563.26	-1210.23	-143.60	496.64-1349.29
		60	6.28	98.23	-57.86	18.73	21.64	78.03	3906.95	-933.16	-869.13	3842.92552.98
		59	5.89	-1.58	-120.11	-1.96	-119.73	-6.65	3418.28	-1.43	-1.39	3418.2312.78
23	152	36	1.58	-0.87	-12.23	-0.89	-12.22	0.45	1198.93	75.31	139.13	1135.11-260.08
		37	2.98	3.10	-14.69	-3.42	-8.17	8.57	1700.06	-842.15	99.04	758.87-1227.55
		60	4.65	7.11	-26.97	5.60	-25.46	7.02	3083.45	-655.93	-655.91	3083.438.18
		59	3.70	1.20	-21.45	0.86	-21.10	2.77	2750.09	-30.93	-28.82	2747.98-76.58
23	163	36	0.94	1.18	-3.42	0.34	-2.58	1.78	738.16	22.29	43.34	717.12-120.92
		37	2.38	-0.23	-8.98	-4.10	-5.12	4.35	1217.93	-914.73	-6.67	309.87-1054.52
		60	3.93	9.31	-20.09	4.84	-15.62	10.56	2673.73	-583.60	-576.85	2666.98148.13
		59	3.18	-0.23	-21.81	-0.31	-21.73	-1.28	2369.31	50.21	50.65	2368.8831.73
23	164	36	0.78	2.16	-1.74	0.68	-0.25	1.89	625.96	6.86	19.18	613.64-86.46
		37	2.27	0.43	-7.90	-3.90	-3.57	4.16	1101.91	-936.75	-32.42	197.58-1012.82
		60	3.77	8.54	-18.29	4.43	-14.18	9.66	2573.96	-569.07	-558.45	2563.34182.41
		59	3.02	-0.33	-19.75	-0.56	-19.53	-2.09	2275.67	69.12	70.70	2274.1058.91
23	196	36	1.33	-0.31	-8.74	-0.64	-8.42	1.62	1013.22	56.85	107.71	962.36-214.61
		37	2.70	-1.51	-11.95	-4.67	-8.79	4.79	1511.91	-877.38	60.93	573.60-1166.82
		60	4.32	11.45	-24.55	5.87	-18.98	13.03	2909.27	-624.08	-623.35	2908.5450.63
		59	3.57	0.33	-27.29	0.30	-27.26	0.92	2592.64	-0.17	0.70	2591.77-47.49
23	219	36	0.94	1.89	-2.86	0.74	-1.71	2.03	735.25	-3.15	9.41	722.69-95.47
		37	2.52	1.35	-10.49	-4.33	-4.82	5.92	1278.24	-943.22	12.37	322.64-1099.84
		60	4.00	9.47	-21.59	5.17	-17.30	10.72	2704.14	-565.42	-563.73	2702.4674.13
		59	3.26	-0.49	-25.21	-0.70	-25.00	-2.28	2408.21	72.99	73.95	

2407.2547.44
24 15 37 5.57 78.04 -74.95 -3.45 6.53 76.33 2821.11 -481.17 1422.96
916.98-1631.65
38 7.07 53.06 -133.75 -71.56 -9.14 -88.04 850.02 -4592.77 849.44 -
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61 18.00 249.30 -114.68 72.10 62.51 181.93 1.386e+04 1.319e+04 1.326e+04
1.380e+04-200.21
60 7.97 43.63 -118.02 -7.51 -66.88 -75.17 2681.51 -3918.21 -3918.16
2681.4619.21
24 101 37 6.43 71.82 -77.11 -4.84 -0.44 74.43 3564.49 -481.35 1641.58
1441.57-2020.45
38 6.31 67.22 -130.79 -67.90 4.33 -92.19 1170.45 -3783.57 1128.63 -
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61 18.67 259.23 -115.73 69.12 74.38 187.46 1.480e+04 1.336e+04 1.352e+04
1.464e+04-458.97
60 8.17 29.66 -118.82 -14.22 -74.93 -67.75 3208.49 -3719.97 -3712.07
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24 155 37 4.73 47.45 -53.17 -4.14 -1.58 50.30 2695.92 -371.45 1250.87
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38 4.78 43.62 -86.13 -45.24 2.72 -60.28 867.73 -2990.50 835.35 -
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1.026e+04-574.66
60 5.54 6.05 -13.08 1.65 -8.68 8.05 2035.76 -3017.84 -2995.70
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38 4.79 7.54 -7.93 0.87 -1.26 7.66 775.15 -3446.53 695.06 -
3366.44-575.94
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2134.48-466.82
25 15 38 7.43 -0.30 -70.60 -66.63 -4.27 -16.23 1161.75 -4831.42 962.50 -
4632.181074.43
39 7.44 -42.12 -57.05 -53.77 -45.41 -6.19 4760.31 -1653.47 2011.67
1095.173173.98
62 10.70 8.41 -87.22 -81.20 2.40 23.22 6258.15 -2601.08 -1752.94
5410.012606.63
61 18.48 18.39 -150.10 -150.10 18.39 0.07 1.631e+04 1.066e+04 1.312e+04
1.384e+042800.98
25 35 38 7.31 -13.44 -86.15 -85.65 -13.93 -5.98 1437.50 -4529.86 1269.03 -
4361.39988.42
39 7.36 -53.41 -72.78 -72.55 -53.64 2.10 4974.96 -1313.61 2290.30
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		62	10.70	2.55	-115.30	-105.77	-6.98	32.13	6529.14	-2021.44	-1197.88
5705.582522.63											
		61	19.11	8.22	-175.57	-174.92	7.56	10.98	1.659e+04	1.127e+04	1.371e+04
1.416e+042650.80											
25	122	38	5.53	-9.75	-61.04	-60.90	-9.89	-2.70	1055.46	-3491.77	937.73
-3374.03722.14											
		39	5.44	-34.15	-49.68	-48.15	-35.67	4.62	3729.45	-1013.29	1712.32
1003.852344.76											
		62	8.03	0.87	-77.15	-70.61	-5.66	21.61	4941.98	-1581.49	-978.51
4339.011889.42											
		61	14.40	5.38	-115.71	-115.02	4.68	9.16	1.262e+04	8623.22	1.044e+04
1.081e+041991.06											
25	159	38	5.29	-3.98	-38.35	-38.35	-3.98	0.07	801.36	-3617.20	710.59
-3526.43626.74											
		39	5.15	-4.19	-27.57	-17.00	-14.76	11.64	3341.35	-1135.86	1458.73
746.762210.12											
		62	7.36	-0.75	-30.21	-27.48	-3.48	8.54	4594.45	-1865.15	-1349.01
4078.311751.48											
		61	13.28	5.87	-44.51	-43.26	4.62	7.84	1.207e+04	8263.54	9890.91
1.045e+041885.06											
25	164	38	5.02	-1.11	-31.91	-28.49	-4.52	9.67	740.81	-3551.31	687.81
-3498.31474.00											
		39	5.13	25.33	-23.03	1.64	0.67	24.17	3096.79	-1032.30	1390.89
673.602033.16											
		62	6.85	-0.46	-7.83	-0.74	-7.55	1.41	4434.11	-1768.91	-1349.46
4014.651557.54											
		61	12.94	20.25	-10.96	11.95	-2.66	13.79	1.172e+04	8312.42	9734.72
1.029e+041678.94											
25	196	38	4.54	4.61	-27.56	-26.42	3.47	5.94	935.63	-2895.29	922.49
-2882.15223.99											
		39	4.84	26.50	-16.06	3.36	7.08	21.20	3375.80	-307.49	1647.49
1420.821838.15											
		62	7.22	4.32	-1.79	3.20	-0.68	-2.36	5122.70	-1246.13	-917.15
4793.711409.62											
		61	13.51	21.65	0.42	16.25	5.82	9.24	1.207e+04	9013.93	1.014e+04
1.094e+041476.60											
25	219	38	4.89	0.35	-33.60	-29.48	-3.76	11.08	774.06	-3384.00	752.99
-3362.93295.24											
		39	4.78	26.52	-19.39	3.54	3.59	22.96	3088.45	-649.64	1475.63
963.171851.40											
		62	6.93	0.34	-7.18	-0.89	-5.95	2.78	4630.67	-1636.55	-1292.35
4286.481427.83											
		61	13.07	18.12	-6.64	12.81	-1.32	10.16	1.179e+04	8606.88	9847.52
1.055e+041551.52											
26	15	39	7.14	-60.20	-139.02	-126.47	-72.76	-28.84	3129.01	-2726.77	141.26
-260.982927.28											
		40	4.64	27.33	-38.31	-34.62	23.65	-15.11	2307.29	-1958.94	-898.65
1247.011843.69											
		63	7.27	-55.14	-120.51	-75.37	-100.28	-30.22	3568.87	-2366.17	-1832.79
3035.491697.39											
		62	8.39	96.05	-101.68	-66.32	60.69	-75.76	6600.86	154.48	857.52
5897.832009.43											
26	103	39	5.81	-15.86	-71.29	-62.80	-24.35	-19.96	3550.56	-1251.18	398.37
-1901.012280.29											
		40	5.16	31.42	-4.47	-0.01	26.95	-11.84	3504.66	-930.15	-582.99
3157.491191.25											
		63	8.12	-6.12	-70.47	-34.03	-42.56	-31.89	5107.91	-1773.89	-1579.87
4913.881139.13											
		62	9.69	77.62	-53.73	-27.32	51.21	-52.64	7827.66	716.61	1036.54
7507.731474.01											
26	156	39	4.30	-12.32	-46.29	-42.27	-16.34	-10.97	2604.68	-1063.48	265.73
-1275.471763.23											
		40	3.79	19.50	0.39	1.92	17.98	-5.17	2511.75	-783.57	-492.80
2220.99934.68											
		63	5.96	-3.84	-45.11	-22.07	-26.88	-20.50	3728.61	-1400.62	-1244.23
3572.22881.88											
		62	7.17	49.41	-33.92	-17.63	33.12	-33.05	5841.79	516.63	769.62
5588.801132.78											
26	159	39	4.30	-24.71	-43.90	-43.90	-24.72	0.32	2093.63	-1924.35	47.71

121.562008.65										
	40	3.32	10.90	-6.33	-3.36	7.92	6.51	1549.37	-1382.92	-742.17
908.631211.73										
	63	4.76	-17.60	-31.99	-22.51	-27.08	-6.83	2566.87	-1718.38	-1422.61
2271.101086.25										
	62	5.94	22.42	-26.16	-19.62	15.88	-16.58	4850.69	215.63	619.87
4446.461307.76										
26 164	39	4.30	15.61	-19.51	-3.07	-0.82	17.52	1854.06	-1791.94	1.11
61.011822.75										
	40	3.16	28.87	-14.36	14.44	0.07	20.39	1383.08	-1294.25	-781.10
869.931053.82										
	63	4.51	14.52	1.30	4.62	11.20	5.73	2440.08	-1650.22	-1432.38
2222.24918.45										
	62	5.63	14.81	-18.10	4.39	-7.68	15.30	4686.72	280.12	589.46
4377.381125.80										
26 192	39	3.97	16.89	-12.94	-1.28	5.23	14.56	2143.85	-1208.71	153.60
781.541646.62										
	40	3.22	28.14	-7.84	15.88	4.43	17.06	1875.91	-911.84	-611.98
1576.05863.73										
	63	5.03	15.55	4.87	5.11	15.31	1.58	3054.95	-1444.29	-1309.21
2919.87767.80										
	62	6.27	13.74	-10.36	5.22	-1.85	11.52	5303.78	482.35	695.62
5090.51991.36										
26 215	39	4.01	19.03	-17.68	-0.48	1.83	18.32	1900.35	-1440.24	55.16
404.961661.11										
	40	3.18	33.12	-9.66	18.56	4.90	20.26	1669.49	-1054.21	-714.49
1329.76899.94										
	63	4.76	17.17	1.98	5.51	13.63	6.42	2723.13	-1542.31	-1380.84
2561.66814.03										
	62	5.83	15.19	-13.42	5.52	-3.74	13.53	4892.62	373.56	619.19
4646.991024.53										
27 15	40	4.76	-20.01	-53.12	-46.84	-26.30	-12.99	2259.87	-2020.98	-896.00
1134.891884.23										
	41	3.22	-13.12	-22.20	-22.16	-13.15	-0.56	1577.84	-1368.79	-1158.90
1367.95757.90										
	64	5.72	-36.26	-64.17	-59.80	-40.62	-10.14	2939.49	-2329.05	-2101.81
2712.251070.32										
	63	6.55	-5.26	-103.08	-80.09	-28.24	-41.47	3697.31	-2087.19	-1575.86
3185.971642.05										
27 103	40	4.98	0.55	-5.66	-3.52	-1.58	-2.95	3399.04	-1071.50	-694.71
3022.261241.96										
	41	4.94	17.10	7.93	15.33	9.69	-3.62	3491.75	-907.37	-902.74
3487.12142.66										
	64	7.49	-2.72	-29.24	-26.20	-5.76	-8.45	4843.77	-1850.20	-1806.96
4800.53536.24										
	63	7.74	3.78	-47.01	-40.35	-2.88	-17.14	5245.02	-1509.64	-1326.96
5062.341095.70										
27 156	40	3.64	-0.20	-1.06	-0.35	-0.91	0.33	2434.45	-880.19	-565.36
2119.62971.82										
	41	3.59	13.32	6.22	13.06	6.47	-1.31	2463.22	-733.48	-728.14
2457.88130.57										
	64	5.52	-1.43	-17.83	-16.35	-2.91	-4.70	3498.40	-1458.89	-1423.05
3462.57419.97										
	63	5.73	2.57	-29.85	-26.13	-1.14	-10.32	3833.51	-1197.45	-1050.22
3686.29847.94										
27 163	40	3.11	28.24	-8.06	17.24	2.94	16.68	1506.73	-1197.67	-734.47
1043.531018.88										
	41	2.60	25.89	0.20	23.66	2.43	7.23	1303.97	-928.49	-909.33
1284.80205.96										
	64	4.25	15.22	2.86	9.10	8.98	6.18	2299.02	-1642.96	-1597.25
2253.32421.99										
	63	4.60	15.61	-1.94	6.39	7.28	8.76	2768.89	-1381.86	-1206.59
2593.61834.74										
27 164	40	3.09	26.64	-10.51	15.01	1.12	17.23	1338.66	-1319.49	-766.67
785.841078.82										
	41	2.36	24.15	-2.74	21.32	0.09	8.24	1034.23	-983.07	-947.36
998.52266.02										
	64	3.99	14.70	0.67	8.39	6.99	6.98	2026.50	-1697.96	-1638.04
1966.57468.61										

	63	4.39	14.09	-2.52	5.77	5.80	8.30	2540.68	-1447.08	-1241.83	2335.44881.10
27	194	40	3.31	32.30	-1.80	23.59	6.91	14.87	1928.43	-1013.99	-684.85	1599.29927.43
		41	3.21	31.04	6.76	30.24	7.57	4.35	1900.03	-853.32	-848.65	1895.36113.35
		64	4.87	16.51	8.86	12.02	13.35	3.77	2894.19	-1567.25	-1538.84	2865.78354.87
		63	5.13	18.72	0.88	9.13	10.47	8.89	3284.42	-1291.90	-1158.79	3151.31769.03
27	215	40	3.11	31.61	-7.46	18.94	5.21	18.29	1614.20	-1068.84	-699.96	1245.33923.92
		41	2.82	28.67	1.65	25.52	4.81	8.68	1548.10	-874.12	-866.97	1540.95131.40
		64	4.36	18.46	2.37	9.61	11.22	8.01	2406.94	-1599.86	-1565.25	2372.32370.82
		63	4.64	16.37	-0.11	6.76	9.50	8.12	2826.33	-1340.21	-1189.63	2675.75777.64
28	15	41	3.23	-13.42	-24.29	-23.28	-14.44	-3.16	1596.37	-1394.68	-1169.60	1371.29789.04
		42	2.56	-16.83	-35.87	-27.32	-25.38	9.47	1308.79	-972.29	-892.91	1229.41-418.04
		65	6.32	-22.07	-60.46	-48.31	-34.22	17.85	4049.61	-1603.55	-1565.28	4011.34463.53
		64	5.71	-32.24	-79.05	-68.67	-42.62	-19.44	2912.00	-2336.94	-2116.76	2691.821052.25
28	103	41	4.98	19.49	0.80	11.72	8.57	9.21	3499.41	-916.10	-908.47	3491.78183.37
		42	5.33	12.99	-7.05	5.65	0.29	9.65	3768.58	-822.39	-594.77	3540.95-996.60
		65	8.70	5.28	-36.78	-26.08	-5.42	18.32	6270.90	-1224.79	-1224.47	6270.58-49.01
		64	7.59	-7.80	-38.80	-38.72	-7.88	-1.55	4825.13	-1846.77	-1804.83	4783.19527.35
28	156	41	3.58	15.80	0.64	10.66	5.78	7.17	2469.40	-741.01	-732.99	2461.38160.25
		42	3.84	9.92	-3.97	5.76	0.19	6.36	2655.48	-671.18	-495.74	2480.04-743.54
		65	6.40	5.06	-24.35	-16.22	-3.07	13.15	4570.49	-981.69	-981.53	4570.34-29.19
		64	5.58	-4.42	-24.70	-24.70	-4.42	-0.09	3483.50	-1457.91	-1423.25	3448.84412.38
28	163	41	2.61	26.50	-0.46	23.32	2.72	8.70	1310.92	-939.46	-916.41	1287.87226.59
		42	2.61	16.83	2.07	16.83	2.07	-5.72e-03	1408.69	-901.93	-700.46	1207.22-651.87
		65	4.87	14.83	-0.50	8.49	5.84	7.55	3237.08	-1191.35	-1191.27	3237.00-19.29
		64	4.24	16.05	0.18	8.09	8.15	7.93	2280.95	-1650.50	-1607.13	2237.58410.66
28	164	41	2.37	23.94	-2.11	21.38	0.46	7.76	1042.12	-995.74	-955.06	1001.44285.02
		42	2.29	14.95	-0.02	14.92	6.12e-03	-0.58	1087.86	-936.51	-744.18	895.54-593.58
		65	4.57	13.80	-0.98	8.71	4.11	7.02	2924.76	-1239.31	-1239.14	2924.6026.15
		64	3.97	14.43	0.12	8.34	6.22	7.08	2007.28	-1707.13	-1650.24	1950.40456.15
28	194	41	3.20	32.21	3.92	28.46	7.67	9.59	1905.63	-858.33	-851.49	1898.78137.42
		42	3.28	21.92	6.64	21.92	6.64	-0.04	2068.20	-830.15	-626.27	1864.32-741.18
		65	5.63	16.73	1.68	8.80	9.61	7.51	3898.14	-1119.21	-1117.71	3896.63-86.87
		64	4.90	19.27	1.35	8.30	12.32	8.73	2877.69	-1569.06	-1542.38	2851.01343.38
28	215	41	2.82	29.04	1.72	25.56	5.20	9.11	1552.47	-883.81	-874.69	1543.34148.85
		42	2.89	18.91	4.60	18.91	4.60	0.04	1704.04	-862.35	-650.96	

1492.65-705.57
65 5.02 17.96 1.10 10.27 8.78 8.40 3387.81 -1149.28 -1148.51
3387.05-59.04
64 4.33 17.47 2.54 9.61 10.40 7.46 2388.67 -1610.23 -1577.66
2356.09359.43
29 15 42 2.86 22.39 -30.62 -17.85 9.61 22.67 1463.13 -1026.33 -957.80
1394.60-407.32
43 3.93 -41.65 -81.84 -79.67 -43.82 9.09 1980.66 -1235.33 487.42
257.92-1603.89
66 10.24 103.71 -75.34 -21.92 50.29 81.92 8101.87 1313.91 1314.18
8101.60-42.81
65 7.01 -59.91 -104.25 -60.85 -103.31 -6.38 3807.63 -1913.38 -1878.88
3773.12442.97
29 103 42 5.42 36.39 -15.49 0.94 19.96 24.13 3937.97 -771.30 -559.74
3726.41-975.47
43 5.73 3.01 -48.55 -44.09 -1.45 14.49 4172.92 -510.89 908.40
2753.63-2152.51
66 12.76 101.17 -49.19 -3.56 55.54 69.131.054e+04 1711.08 1744.10
1.051e+04-538.96
65 8.87 -20.40 -57.81 -30.07 -48.13 16.38 6050.01 -1459.03 -1458.59
6049.57-57.75
29 156 42 3.89 24.95 -8.80 2.64 13.51 15.98 2783.44 -642.35 -479.39
2620.48-729.19
43 4.19 1.68 -32.76 -30.01 -1.07 9.34 2986.83 -489.57 644.36
1852.90-1629.78
66 9.41 68.97 -32.75 -0.97 37.19 47.15 7828.46 1262.14 1287.12
7803.48-404.19
65 6.51 -11.94 -38.89 -19.00 -31.83 11.85 4398.99 -1169.59 -1169.34
4398.75-36.67
29 163 42 2.74 15.60 3.27 15.57 3.30 0.63 1521.70 -925.22 -739.50
1335.98-648.03
43 3.29 2.73 -3.93 -3.77 2.57 -1.02 1928.72 -1109.85 352.67
466.20-1518.22
66 7.29 18.37 -2.79 11.09 4.49 10.06 6353.20 968.41 995.61
6326.00-381.73
65 4.90 15.37 -3.58 8.15 3.64 9.20 3057.59 -1419.10 -1418.90
3057.38-30.37
29 164 42 2.43 15.11 1.46 15.06 1.51 -0.83 1197.04 -972.26 -796.73
1021.52-591.57
43 3.17 0.35 -5.73 -4.58 -0.80 -2.39 1672.71 -1253.41 290.69
128.60-1460.81
66 6.93 15.08 -3.35 10.54 1.19 7.94 6010.63 910.56 932.87
5988.31-336.64
65 4.60 12.47 -2.71 7.84 1.92 6.99 2742.84 -1477.19 -1477.15
2742.7913.72
29 196 42 3.34 17.55 4.56 15.84 6.28 4.39 2103.87 -838.16 -618.27
1883.98-773.68
43 3.73 10.36 -3.46 -2.88 9.78 2.77 2508.02 -854.39 483.33
1170.30-1645.74
66 8.13 27.42 -3.50 12.35 11.57 15.46 7070.53 1095.20 1134.42
7031.30-482.55
65 5.42 22.35 -6.93 8.87 6.55 14.59 3608.15 -1292.36 -1288.96
3604.74-129.12
29 215 42 3.05 19.34 7.00 19.26 7.08 0.98 1816.08 -901.09 -703.61
1618.60-705.39
43 3.44 3.71 -2.38 -1.76 3.09 -1.84 2138.10 -982.64 397.63
757.83-1549.94
66 7.48 21.08 -0.10 12.88 8.10 10.32 6533.01 1014.93 1044.90
6503.04-405.59
65 5.04 14.99 -0.71 9.41 4.87 7.51 3205.37 -1388.87 -1387.79
3204.29-70.54
30 15 43 6.57 49.99 -91.82 -47.54 5.71 65.72 3767.89 -353.00 2542.19
872.70-1883.78
44 7.53 21.77 -130.66 -86.29 -22.60 -69.25 1056.64 -4653.60 962.62 -
4559.59726.64
67 19.58 156.32 -118.16 -19.76 57.91 131.631.668e+04 1.429e+04 1.446e+04
1.651e+04-615.51
66 10.77 27.77 -105.12 -42.92 -34.42 -66.31 7992.65 -1046.79 -973.37
7919.23-811.33

30	103	43	7.32	50.15	-48.59	-25.31	26.86	41.92	5678.61	893.75	3164.71
3407.65-2389.34											
		44	4.84	35.20	-63.17	-49.38	21.41	-34.16	1641.07	-1922.36	1614.06
1895.35309.06											
		67	22.08	123.40	-60.89	-0.87	63.38	86.36	1.931e+04	1.522e+04	1.545e+04
1.907e+04-955.84											
		66	13.36	26.71	-36.01	-14.99	5.69	-29.61	1.060e+04	-37.43	115.72
1.045e+04-1267.39											
30	156	43	5.39	32.68	-32.66	-17.46	17.47	27.61	4171.86	535.90	2356.49
2351.27-1817.98											
		44	3.83	22.94	-42.65	-34.16	14.44	-22.02	1184.11	-1751.51	1163.22
1730.61246.79											
		67	16.60	81.71	-40.40	0.73	40.59	57.71	1.455e+04	1.155e+04	1.175e+04
1.436e+04-737.23											
		66	9.95	18.04	-22.40	-8.73	4.38	-19.13	7864.63	-147.27	-29.00
7746.36-966.21											
30	163	43	4.25	0.97	-4.55	-3.68	0.09	-2.01	3249.47	-369.63	1940.41
939.43-1738.96											
		44	4.56	8.19	-10.69	-8.36	5.86	6.21	764.97	-3166.19	746.68
3147.91267.51											
		67	14.71	10.78	-8.02	10.58	-7.82	1.93	1.298e+04	1.070e+04	1.100e+04
1.268e+04-776.26											
		66	8.28	14.72	3.17	10.25	7.64	5.62	6329.75	-777.17	-647.65
6200.23-950.66											
30	164	43	4.13	-1.25	-6.42	-4.41	-3.26	-2.52	3023.95	-577.62	1850.10
596.24-1688.13											
		44	4.87	3.71	-11.74	-9.32	1.29	5.62	676.16	-3525.17	653.81
3502.82305.62											
		67	14.40	9.84	-12.55	9.79	-12.51	1.02	1.262e+04	1.053e+04	1.085e+04
1.231e+04-750.06											
		66	7.98	12.18	1.72	9.47	4.43	4.58	5968.01	-918.48	-796.15
5845.68-909.65											
30	196	43	4.60	7.27	-2.70	-2.70	7.27	0.04	3763.52	24.05	2132.34
1655.23-1854.46											
		44	3.94	17.06	-10.27	-7.01	13.80	8.86	958.00	-2427.94	943.80
2413.74218.78											
		67	15.49	14.94	-1.35	13.21	0.39	5.03	1.371e+04	1.106e+04	1.133e+04
1.344e+04-806.36											
		66	9.04	22.32	5.29	12.98	14.63	8.47	7087.64	-468.58	-321.70
6940.75-1043.23											
30	219	43	4.34	1.79	-1.49	-1.45	1.75	0.35	3412.93	-232.76	1973.57
1206.59-1782.05											
		44	4.26	7.27	-7.53	-6.30	6.04	4.09	792.26	-2907.67	774.28
2889.68257.32											
		67	14.88	12.45	-6.89	11.49	-5.93	4.21	1.318e+04	1.074e+04	1.104e+04
1.288e+04-798.03											
		66	8.51	13.75	6.96	11.17	9.54	3.29	6493.88	-808.63	-675.30
6360.55-977.70											
31	15	44	6.69	-27.14	-100.77	-100.73	-27.19	1.87	1121.37	-4417.10	565.68
3861.411663.99											
		45	6.04	-22.21	-46.47	-46.02	-22.66	-3.29	4203.38	-933.05	1337.76
1932.572550.94											
		68	10.39	-23.75	-116.13	-82.93	-56.95	44.32	5677.86	-3439.46	-3169.77
5408.171544.70											
		67	19.36	41.84	-102.69	-73.36	12.51	-58.12	1.738e+04	1.132e+04	1.247e+04
1.623e+042374.04											
31	95	44	3.55	34.81	6.45	6.60	34.65	2.09	1494.21	-1627.74	1044.22
1177.751096.52											
		45	7.66	49.23	3.58	32.39	20.43	22.03	5888.50	199.69	1749.18
4339.012532.56											
		68	11.80	54.98	12.97	46.77	21.19	-16.66	7957.91	-2432.14	-2237.15
7762.921409.96											
		67	21.11	55.75	19.09	55.45	19.39	3.33	1.919e+04	1.270e+04	1.326e+04
1.864e+041809.11											
31	152	44	2.94	23.18	1.85	2.06	22.96	2.13	1073.04	-1513.59	741.90
1182.45864.23											
		45	5.65	35.59	0.51	22.50	13.60	16.96	4298.61	67.69	1288.32
3077.981916.89											
		68	8.82	37.72	8.61	32.49	13.85	-11.18	5846.24	-1965.78	-1818.45

5698.91											
	1062.67	67	15.91	39.31	11.65	38.98	11.98	3.00	1.449e+04	9634.30	1.008e+04
1.404e+04	1407.64										
	31 159	44	4.75	-9.24	-43.94	-43.53	-9.65	3.77	722.69	-3315.27	383.01
- 2975.59	1120.82										
		45	4.32	-0.78	-18.33	-11.46	-7.64	8.56	3034.87	-637.88	965.25
1431.74	1821.50										
		68	7.38	-6.65	-35.60	-22.08	-20.17	14.45	4189.99	-2608.25	-2446.42
4028.16	1036.34										
		67	14.24	10.08	-25.84	-15.91	0.15	-16.06	1.303e+04	8694.21	9454.24
1.227e+04	1648.02										
	31 164	44	4.47	0.65	-19.26	-17.56	-1.04	5.56	620.42	-3256.90	343.14
- 2979.62	999.11										
		45	4.33	20.75	-14.06	6.84	-0.15	17.05	2883.25	-576.99	916.47
1389.79	1713.86										
		68	7.24	9.85	-2.12	9.82	-2.09	-0.58	4057.31	-2582.71	-2452.64
3927.24	920.19										
		67	13.86	16.53	-8.54	15.08	-7.10	5.84	1.277e+04	8681.34	9349.53
1.210e+04	1511.77										
	31 196	44	3.58	11.14	-16.62	-16.01	10.53	4.07	925.53	-2181.87	605.62
- 1861.96	944.33										
		45	5.07	22.71	-9.99	7.25	5.46	16.33	3747.12	-171.84	1160.88
2414.40	1856.54										
		68	8.05	13.50	2.54	12.15	3.89	-3.60	5134.13	-2171.71	-2024.89
4987.30	1025.25										
		67	15.02	18.72	3.66	18.41	3.97	2.16	1.378e+04	9253.04	9792.70
1.324e+04	1466.98										
	31 219	44	3.89	5.45	-17.82	-15.93	3.56	6.35	753.85	-2655.09	462.45
- 2363.70	953.11										
		45	4.60	24.08	-9.57	10.00	4.51	16.60	3319.47	-232.86	1041.26
2045.35	1703.74										
		68	7.68	11.20	1.54	11.16	1.57	0.59	4592.66	-2457.00	-2337.51
4473.17	910.00										
		67	14.43	18.17	-2.11	17.05	-0.99	4.65	1.326e+04	8946.77	9532.32
1.268e+04	1477.90										
	32 15	45	5.46	-51.08	-91.76	-90.48	-52.35	-7.10	2654.44	-2296.24	-483.59
841.79	2384.98										
		46	3.80	8.90	-31.64	-27.85	5.11	11.81	1742.51	-1367.63	-1194.73
1569.61	712.64										
		69	6.41	-69.48	-96.66	-86.44	-79.71	13.17	3392.52	-2480.51	-2424.84
3336.86	569.05										
		68	8.52	32.01	-86.24	-67.72	13.49	-42.98	6427.59	-256.75	-81.82
6252.66	1067.11										
	32 103	45	6.82	-14.88	-46.20	-45.58	-15.51	-4.36	4676.47	-1433.90	-57.90
3300.47	2552.35										
		46	5.83	17.06	-0.57	1.24	15.25	5.36	4010.08	-962.92	-795.79
3842.95	896.22										
		69	8.49	-33.00	-41.91	-41.91	-33.01	-0.12	5565.29	-2153.58	-2095.67
5507.38	666.07										
		68	11.04	37.62	-46.31	-30.71	22.02	-32.65	8762.95	102.88	260.32
8605.51	1156.99										
	32 156	45	4.99	-10.29	-29.57	-29.52	-10.34	-0.99	3337.56	-1161.66	-99.70
2275.60	1910.56										
		46	4.18	13.15	1.24	4.25	10.14	5.18	2835.57	-780.50	-661.14
2716.21	646.05										
		69	6.25	-21.23	-26.14	-26.12	-21.26	0.33	4026.21	-1687.16	-1647.31
3986.36	475.51										
		68	8.11	24.57	-29.17	-18.86	14.26	-21.16	6459.66	43.51	157.37
6345.80	847.10										
	32 163	45	3.98	18.32	-8.99	7.24	2.09	13.41	1984.83	-1482.09	-395.50
898.25	1608.24										
		46	2.90	30.41	-2.69	26.25	1.47	10.97	1529.18	-987.96	-922.22
1463.44	401.46										
		69	4.89	14.44	6.76	14.00	7.19	1.77	2679.81	-1847.12	-1831.80
2664.49	262.95										
		68	6.26	13.34	-1.85	12.59	-1.10	3.29	4967.47	-142.56	-71.65
4896.56	597.77										
	32 164	45	3.82	18.05	-11.55	6.54	-0.04	14.43	1701.95	-1595.51	-458.24
564.68	1567.40										

		46	2.63	30.38	-4.91	25.63	-0.16	12.04	1217.21	-1040.00	-979.61
1156.82364.23											
		69	4.61	14.65	4.57	13.62	5.60	3.05	2373.91	-1889.57	-1876.46
2360.80236.03											
		68	5.91	13.34	-4.42	12.11	-3.18	4.52	4633.86	-189.23	-121.32
4565.95568.27											
	32	196	45	4.50	19.20	-6.00	7.48	5.72	12.57	2606.97	-1296.49	-268.31
1578.791719.39											
		46	3.48	30.32	0.47	26.36	4.43	10.12	2165.09	-893.54	-807.68
2079.24505.20											
		69	5.47	14.00	9.98	13.91	10.08	0.62	3297.48	-1765.24	-1742.21
3274.44340.74											
		68	7.00	13.07	2.05	12.63	2.48	2.15	5653.75	-52.86	29.64
5571.24681.20											
	32	219	45	4.04	21.02	-8.73	8.44	3.85	14.69	2175.67	-1301.98	-341.67
1215.371554.80											
		46	3.19	33.50	0.14	28.54	5.11	11.87	1866.61	-919.49	-866.86
1813.98379.29											
		69	5.06	16.68	7.81	15.05	9.44	3.44	2915.06	-1772.96	-1759.71
2901.81248.91											
		68	6.42	15.14	0.86	13.95	2.05	3.94	5175.42	-52.67	7.32
5115.43556.78											
	33	7	46	3.91	73.59	1.13	69.29	5.42	17.10	1541.00	-1503.90	-1400.72
1437.83550.92											
		47	4.23	71.36	4.89	71.32	4.93	-1.67	1654.89	-1649.07	-1369.52
1375.33-919.50											
		70	6.67	60.44	15.66	60.33	15.77	2.22	3546.41	-2217.56	-2179.86
3508.71-464.61											
		69	6.42	59.93	12.19	58.19	13.93	8.93	3261.19	-2292.36	-2283.38
3252.21223.23											
	33	103	46	5.79	16.94	-19.17	-1.87	-0.36	18.04	3930.35	-1089.84	-895.57
3736.07968.26											
		47	5.30	21.83	-23.61	-1.22	-0.57	22.72	3646.08	-954.90	-890.79
3581.97-539.31											
		70	8.65	8.78	-58.71	-41.95	-7.98	29.16	5780.94	-1716.79	-1714.68
5778.83-125.87											
		69	8.68	-7.20	-47.06	-45.89	-8.37	6.72	5678.98	-1832.96	-1786.61
5632.63588.26											
	33	156	46	4.15	14.44	-12.50	2.17	-0.23	13.42	2775.71	-870.64	-730.40
2635.47701.21											
		47	3.89	16.62	-14.23	2.77	-0.38	15.34	2588.30	-785.69	-723.83
2526.44-452.64											
		70	6.35	7.42	-37.90	-25.75	-4.73	20.07	4208.53	-1357.97	-1354.90
4205.47-130.58											
		69	6.35	-4.07	-29.67	-28.65	-5.09	5.01	4112.85	-1444.70	-1413.61
4081.77414.48											
	33	162	46	2.81	30.14	-1.63	26.94	1.58	9.57	1400.81	-1022.65	-964.14
1342.29372.01											
		47	3.14	28.22	1.43	28.20	1.44	0.57	1530.60	-1161.35	-936.61
1305.86-744.63											
		70	5.01	18.37	4.56	17.17	5.76	3.88	2947.92	-1582.77	-1549.13
2914.28-388.96											
		69	4.76	16.05	4.09	15.17	4.97	3.11	2710.63	-1635.60	-1631.77
2706.81128.93											
	33	164	46	2.61	29.35	-3.63	25.63	0.10	10.44	1166.23	-1080.71	-1000.14
1085.66417.79											
		47	2.90	26.97	-0.13	26.88	-0.05	1.50	1256.91	-1193.25	-974.80
1038.46-698.22											
		70	4.75	18.23	2.77	16.59	4.41	4.77	2675.59	-1617.10	-1588.37
2646.86-349.97											
		69	4.52	15.87	2.36	14.60	3.63	3.94	2456.91	-1675.82	-1669.03
2450.13167.28											
	33	184	46	3.28	33.26	0.67	29.25	4.67	10.71	1894.17	-938.91	-902.35
1857.61319.77											
		47	3.65	30.60	3.88	30.49	3.98	1.68	2055.51	-1086.69	-869.11
1837.93-797.71											
		70	5.54	20.31	6.10	18.35	8.06	4.89	3483.72	-1517.62	-1480.30
3446.40-430.38											
		69	5.25	18.06	6.14	16.39	7.81	4.14	3223.86	-1570.05	-1568.42

3222.2488.36
33 215 46 3.17 32.87 0.92 28.98 4.81 10.44 1812.17 -954.83 -889.49
1746.83420.15
47 3.36 29.94 4.64 29.92 4.66 0.78 1855.37 -1027.98 -863.62
1691.01-668.50
70 5.18 20.43 6.73 18.21 8.94 5.04 3200.70 -1496.16 -1473.21
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69 4.98 17.71 7.06 16.47 8.31 3.42 2995.00 -1561.74 -1555.58
2988.83167.48
34 15 47 3.36 30.17 -47.51 -27.63 10.29 33.90 1665.05 -1336.57 -1172.04
1500.52-683.22
48 5.47 -34.77 -105.40 -85.85 -54.32 31.61 2299.53 -2125.71 -575.99
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71 9.00 87.53 -103.29 -57.30 41.54 81.61 6569.46 -99.04 -19.57
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70 6.85 -67.72 -105.57 -82.15 -91.13 18.39 3673.52 -2312.02 -2290.94
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8564.77-556.02
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2594.43-404.98
48 4.32 -3.22 -41.87 -33.39 -11.70 15.99 2743.17 -923.63 -176.08
1995.61-1477.26
71 8.18 52.13 -44.25 -19.43 27.31 42.15 6382.46 163.41 197.18
6348.70-457.00
70 6.41 -12.54 -44.92 -29.90 -27.55 16.15 4172.83 -1552.80 -1546.90
4166.93-183.61
34 162 47 3.14 28.65 1.38 28.39 1.63 2.64 1560.03 -1103.59 -906.02
1362.46-698.01
48 3.93 15.85 2.77 15.06 3.55 -3.11 1991.41 -1672.15 -440.24
759.50-1730.77
71 6.48 21.95 1.55 18.41 5.08 7.72 5170.62 -71.42 20.81
5078.38-689.21
70 5.18 19.06 2.47 16.71 4.82 5.79 2920.94 -1771.67 -1729.06
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71 6.15 19.65 0.73 17.30 3.08 6.24 4877.01 -101.61 -15.95
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1339.85-1796.67
71 7.15 30.80 1.19 22.18 9.80 13.45 5746.94 -14.97 80.41
5651.57-735.16
70 5.76 26.99 0.78 20.08 7.69 11.55 3452.79 -1721.96 -1676.80
3407.63-481.29
34 215 47 3.35 30.41 5.40 30.29 5.51 1.69 1887.54 -983.94 -842.21
1745.81-622.00
48 3.89 17.53 3.58 15.77 5.35 -4.64 2146.84 -1423.89 -379.60
1102.55-1624.29
71 6.62 22.73 5.07 19.30 8.50 6.99 5384.35 37.79 106.97
5315.17-604.25
70 5.34 18.67 5.75 17.32 7.10 3.96 3173.74 -1679.10 -1648.18
3142.82-386.12
35 15 48 6.43 6.93 -79.32 -44.11 -28.29 42.39 3903.48 -730.40 1295.13
1877.95-2298.54
49 6.41 -13.72 -72.79 -71.97 -14.54 6.94 771.73 -4408.39 448.53 -
4085.19-1252.89

72	19.67	62.45	-123.98	-69.03	7.50	85.00	1.739e+04	1.187e+04	1.273e+04	1.653e+04
-2005.62										
71	10.48	-8.63	-89.56	-71.12	-27.06	-33.94	5737.62	-3395.07	-3228.47	5571.02
-1222.19										
35 73 48	7.48	43.55	18.89	42.86	19.59	-4.09	5830.28	-195.92	1689.96	3944.39
-2794.31										
49	4.68	46.55	26.86	37.26	36.15	9.83	1597.67	-2526.64	913.00	-
1841.96	-1534.61									
72	21.34	65.30	14.98	64.98	15.29	3.99	1.937e+04	1.307e+04	1.370e+04	1.875e+04
-1884.51										
71	11.94	74.03	19.52	62.42	31.13	22.31	7912.32	-2564.93	-2304.57	7651.97
-1630.96										
35 141 48	5.53	30.62	12.37	30.02	12.97	-3.25	4277.07	-217.61	1251.86	2807.59
-2108.43										
49	3.71	31.48	17.90	25.02	24.37	6.78	1129.42	-2135.85	650.82	-
1657.25	-1154.86									
72	16.13	46.03	8.82	45.84	9.01	2.66	1.467e+04	9922.66	1.043e+04	1.416e+04
-1466.05										
71	8.96	51.80	13.69	43.94	21.56	15.42	5840.45	-2059.39	-1865.22	5646.28
-1223.19										
35 159 48	4.44	2.74	-21.10	-8.53	-9.83	11.90	2995.04	-648.67	963.90	1382.47
-1809.80										
49	4.78	-3.18	-23.76	-23.23	-3.72	3.27	582.33	-3439.80	328.65	-
3186.12	-977.74									
72	14.63	21.31	-36.15	-12.29	-2.55	28.32	1.326e+04	9067.90	9762.96	1.257e+04
-1559.81										
71	7.57	0.17	-19.59	-13.81	-5.61	-8.99	4316.02	-2616.61	-2473.74	4173.14
-984.93										
35 164 48	4.27	12.10	-1.92	10.90	-0.71	-3.93	2989.34	-715.21	939.16	1334.97
-1841.67										
49	4.68	3.39	-0.05	1.34	2.00	1.69	573.70	-3477.08	316.13	-
3219.52	-988.43									
72	14.29	18.92	-8.91	18.92	-8.91	-0.03	1.318e+04	9018.93	9738.59	1.246e+04
-1572.84										
71	7.49	18.79	4.71	17.47	6.03	4.10	4242.14	-2621.16	-2466.32	4087.30
-1019.18										
35 182 48	4.99	14.03	2.75	12.51	4.28	-3.86	3754.42	-424.25	1158.56	2171.61
-2027.01										
49	4.10	13.30	3.42	4.08	12.64	2.47	936.48	-2650.76	549.40	-
2263.69	-1112.98									
72	15.31	23.51	0.92	23.18	1.25	2.72	1.404e+04	9557.22	1.016e+04	1.344e+04
-1533.21										
71	8.20	23.88	8.20	20.78	11.30	6.25	5193.03	-2242.95	-2054.79	5004.87
-1167.81										
35 215 48	4.44	15.30	2.88	14.27	3.92	-3.43	3365.81	-332.09	1059.98	1973.73
-1791.61										
49	4.08	6.77	2.81	2.95	6.63	0.73	674.24	-2882.80	428.79	-
2637.35	-901.56									
72	14.80	21.14	-3.02	21.05	-2.93	1.47	1.360e+04	9294.49	9911.30	1.299e+04
-1509.26										
71	7.89	19.77	8.93	18.94	9.77	2.89	4742.31	-2491.72	-2357.17	4607.76
-977.36										
36 15 49	7.49	32.32	-150.71	-96.58	-21.80	83.53	845.27	-4753.85	831.44	-
4740.03	-277.91									
50	6.60	27.15	-48.52	-26.63	5.25	-34.31	4097.03	-935.18	2319.78	842.072
405.17										
73	11.01	31.78	-103.99	-33.14	-39.06	67.82	7946.71	-1432.29	-1261.91	7776.33
1252.55										
72	19.94	142.90	-78.12	-2.85	67.63	-104.74	1.723e+04	1.417e+04	1.461e+04	1.679e+04
1077.79										
36 81 49	5.17	42.71	-72.90	-49.53	19.34	46.43	1420.35	-2475.41	1418.47	-
2473.53	-85.36									
50	7.01	34.68	-7.00	1.72	25.96	-16.96	5606.48	207.86	2880.84	2933.50
2699.18										
73	12.83	31.89	-31.20	2.07	-1.39	31.50	1.013e+04	-398.56	-193.99	9924.37
1453.22										
72	22.35	118.55	-25.08	23.63	69.83	-68.00	1.946e+04	1.527e+04	1.565e+04	1.908e+04
1204.36										
36 145 49	4.10	28.73	-49.79	-34.04	12.98	31.44	1030.20	-2147.31	1027.59	-

2144.69-91.18
50 5.17 21.80 -1.55 2.95 17.31 -9.20 4135.89 46.13 2156.39
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72 16.87 79.24 -14.18 19.48 45.58 -44.851.470e+04 1.163e+04 1.192e+04
1.441e+04907.77
36 162 49 4.82 5.69 -6.75 -6.03 4.97 2.91 707.19 -3423.02 694.53 -
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1.001e+04715.39
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74 4.78 31.11 8.05 29.17 9.99 -6.41 2725.90 -1524.84 -1522.52
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		73	7.33	27.40	1.21	27.15	1.46	-2.54	6279.61	919.04	948.33
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		51	2.84	44.52	-3.33	40.75	0.45	12.90	1197.29	-1251.29	-954.65
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		74	4.54	28.89	7.60	27.96	8.53	-4.35	2477.09	-1560.37	-1559.20
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		73	7.04	25.64	-1.61	25.63	-1.60	-0.64	5995.57	879.36	905.31
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		73	7.97	31.56	5.98	30.57	6.96	-4.92	6860.87	967.34	1005.31
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		74	8.03	66.65	24.44	65.69	25.40	-6.29	5355.05	-1575.88	-1563.00
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	38 141	51	4.17	72.05	11.24	70.18	13.11	10.50	2343.18	-1157.61	-812.85
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		75	4.68	57.86	19.16	53.20	23.82	-12.60	2339.53	-1746.65	-1739.19
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1014.76850.06											
		52	3.15	61.15	2.80	61.15	2.80	-0.25	1112.57	-1143.49	-1137.79
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		75	3.79	37.71	10.27	34.62	13.36	-8.68	1514.74	-1805.40	-1779.91
1489.24-289.83											
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2918.1085.47											
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		52	2.94	57.59	0.70	57.58	0.71	0.77	901.17	-1156.50	-1154.43
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1249.30-761.69											
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1326.52-1444.16											
		76	4.94	-6.98	-35.40	-35.00	-7.38	-3.35	1489.24	-2740.91	-2454.24
1202.58-1063.23											
40	79	53	4.67	61.14	1.99	61.10	2.03	1.51	2064.97	-1666.76	-1584.40
1982.60-548.25											
		54	4.93	50.79	-19.06	49.87	-18.13	-8.00	1975.84	-2117.04	-1667.36
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		77	5.84	-4.72	-46.56	-45.98	-5.30	4.91	2218.95	-2883.75	-2504.04
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		76	5.24	-1.10	-24.22	-24.15	-1.17	1.32	2124.90	-2563.21	-2365.98
1927.67-941.14											
40	144	53	3.52	49.37	1.48	49.36	1.50	-0.84	1498.15	-1281.48	-1213.46
1430.13-429.47											
		54	3.70	43.11	-13.30	41.66	-11.85	-8.93	1454.61	-1628.16	-1271.25
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		77	4.34	-2.22	-26.73	-26.72	-2.23	0.65	1649.32	-2176.90	-1883.07
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		76	3.89	1.20	-11.71	-11.63	1.12	-1.02	1550.67	-1962.89	-1808.05
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		54	3.28	51.84	-12.15	45.39	-5.70	-19.26	1141.28	-1729.51	-1264.50
676.27-1057.69											
		77	3.79	10.20	-8.07	-1.79	3.92	-8.67	1332.63	-2042.52	-1701.72
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		77	3.87	48.97	-0.68	38.79	9.49	-20.04	1553.67	-1940.49	-1713.47
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		76	3.75	46.86	15.58	43.67	18.76	-9.47	1450.62	-1822.29	-1704.76
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40	220	53	3.04	67.34	-4.30	64.44	-1.40	-14.11	771.35	-1457.30	-1240.00
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471.30-1156.31											
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1275.86-714.79											
			55	4.32	97.03	5.64	89.18	13.49	-25.61	1449.48	-2287.94	-1165.41
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2632.41-1068.44											
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			55	4.44	66.30	-6.69	55.79	3.82	-25.63	1358.94	-2355.67	-1022.79
26.06-1781.73											
			78	5.12	39.44	-21.85	31.90	-14.31	-20.13	2658.86	-1869.19	-1581.59
2371.26-1104.33											
			77	3.50	43.69	1.05	31.55	13.19	-19.24	1217.86	-1953.98	-1655.72
919.59-925.79											
	41	164	54	3.17	72.37	-11.23	61.77	-0.64	-27.81	1040.02	-1590.78	-1248.54
697.78-885.00											
			55	4.50	63.09	-8.81	51.19	3.10	-26.73	1336.76	-2382.93	-994.69	-
51.48-1799.06											
			78	4.95	37.82	-23.42	29.14	-14.74	-21.36	2608.35	-1800.76	-1497.80
2305.39-1115.34											
			77	3.45	43.45	-1.54	28.84	13.07	-21.07	1143.66	-1907.28	-1579.13
815.51-945.24											
	41	184	54	3.76	86.39	-4.12	81.04	1.23	-21.35	1237.29	-1581.75	-1360.52
1016.06-758.10											
			55	4.24	77.98	-0.75	70.73	6.50	-22.76	1342.92	-2320.41	-1129.79
152.30-1715.82											
			78	5.50	45.80	-17.44	41.01	-12.66	-16.73	2728.62	-2024.34	-1775.72
2479.99-1058.26											
			77	3.88	46.35	7.64	40.43	13.56	-13.94	1378.39	-2069.05	-1832.28
1141.62-871.89											
	41	219	54	3.19	73.75	-10.09	63.72	-0.06	-27.20	1056.50	-1466.06	-1242.08
832.52-717.53											
			55	4.32	64.36	-10.78	51.87	1.72	-27.98	1266.52	-2269.04	-999.66	-
2.86-1696.07											
			78	5.07	38.03	-22.51	30.23	-14.71	-20.28	2627.84	-1850.36	-1596.94
2374.42-1034.73											
			77	3.40	44.25	-1.57	29.67	13.01	-21.34	1194.37	-1855.36	-1608.65
947.66-831.59											
	42	15	55	7.07	11.28	-38.94	10.97	-38.63	-3.91	3608.43	-2989.95	-301.71
920.19-3242.13											
			56	7.50	-1.65	-39.69	-37.80	-3.54	8.27	1378.24	-5010.48	1076.73	-
4708.97-1354.75											
			79	18.28	35.72	-144.39	-141.39	32.72	23.05	1.585e+04	1.062e+04	1.364e+04	
1.283e+04-2584.90											
			78	11.17	-21.99	-64.46	-60.56	-25.89	-12.26	2895.41	-6763.98	-6108.08	
2239.51-2430.11											
	42	79	55	7.24	24.35	-36.44	24.22	-36.31	2.75	3813.38	-2713.83	-207.46	
1307.02-3174.54											
			56	7.19	13.82	-30.48	-22.95	6.30	16.64	1480.39	-4604.03	1177.77	-
4301.41-1322.76											
			79	18.49	51.30	-128.61	-121.33	44.02	35.45	1.615e+04	1.099e+04	1.387e+04	
1.327e+04-2564.39											
			78	10.87	-22.70	-42.36	-42.21	-22.84	-1.68	3272.52	-6497.43	-5879.15	
2654.24-2378.71											
	42	141	55	5.47	58.98	2.13	53.62	7.49	-16.62	3010.61	-1682.99	287.14	
1040.47-2316.38											
			56	5.21	20.87	3.44	15.93	8.38	-7.85	1176.81	-3447.54	1022.34	-
3293.07-830.93											
			79	14.09	65.81	-0.69	58.28	6.84	21.07	1.256e+04	8993.39	1.108e+04	
1.047e+04-1756.87											
			78	8.52	55.52	-15.80	52.08	-12.36	15.28	2610.42	-4476.02	-4077.51	
2211.91-1632.55											
	42	159	55	5.53	26.44	-17.54	21.32	-12.41	-14.11	2789.89	-2116.79	16.15	
656.95-2432.33											

		56	5.57	-1.19	-17.75	-16.01	-2.94	-5.09	1070.86	-3870.96	884.03	-3684.14-942.52
		79	13.56	12.03	-39.43	-36.94	9.54	11.04	1.220e+04	8397.27	1.067e+04	9928.40-1866.96
		78	7.78	-7.55	-19.78	-8.65	-18.67	-3.50	2205.74	-4937.07	-4471.95	1740.61-1762.37
	42	164	55	5.67	43.22	-11.23	31.17	0.82	-22.60	2806.09	-1982.09	205.97	618.03-2385.21
			56	5.65	9.36	-18.47	-6.01	-3.10	-13.84	1082.60	-3887.34	926.69	-3731.43-866.36
			79	13.39	19.58	-4.00	17.98	-2.41	5.93	1.222e+04	8571.32	1.081e+04	9974.73-1774.10
			78	7.93	20.39	-17.75	20.36	-17.73	1.03	2189.62	-4733.99	-4298.69	1754.32-1680.59
	42	186	55	5.60	44.20	-7.12	35.52	1.56	-19.24	3000.14	-1779.80	323.51	896.83-2372.72
			56	5.34	10.52	-8.76	-0.62	2.38	-9.52	1215.26	-3583.78	1052.49	-3421.01-868.69
			79	13.77	32.16	-1.84	26.41	3.91	12.74	1.249e+04	8869.22	1.105e+04	1.031e+04-1772.33
			78	8.07	28.71	-17.61	27.68	-16.58	6.84	2480.54	-4496.53	-4072.08	2056.09-1667.71
	42	205	55	5.70	40.16	-13.73	26.61	-0.19	-23.38	2860.66	-1927.66	302.88	630.12-2388.57
			56	5.71	6.99	-18.24	-7.79	-3.47	-12.43	1130.08	-3923.59	977.38	-3770.88-865.11
			79	13.53	16.02	-3.99	15.44	-3.41	3.36	1.235e+04	8675.01	1.096e+04	1.007e+04-1785.03
			78	7.91	19.34	-18.42	19.33	-18.41	0.70	2229.43	-4699.01	-4263.36	1793.78-1681.83
	43	15	56	6.57	53.84	-98.38	-31.51	-13.03	75.55	787.10	-4602.37	786.87	-4602.15-35.01
			57	5.53	73.95	-65.38	-8.88	17.45	-68.41	3131.63	-189.16	1827.02	1115.451621.83
			80	7.55	56.50	-162.54	-1.18	-104.86	96.48	2176.90	-3521.15	-3512.41	2168.16223.05
			79	17.13	243.22	-94.44	77.10	71.68	-168.81	1.353e+04	1.231e+04	1.306e+04	1.278e+04596.38
	43	79	56	6.19	57.59	-91.41	-27.71	-6.10	73.71	972.02	-4165.08	970.96	-4164.0273.82
			57	5.95	73.33	-66.38	-6.97	13.92	-69.07	3500.14	-158.71	1974.45	1366.991804.03
			80	7.50	53.11	-161.10	0.71	-108.70	92.08	2477.81	-3183.31	-3164.52	2459.02325.56
			79	17.71	251.31	-94.19	79.45	77.67	-172.75	1.398e+04	1.271e+04	1.344e+04	1.325e+04629.82
	43	144	56	4.72	37.24	-58.45	-16.44	-4.76	47.49	747.07	-3262.73	745.83	-3261.4870.60
			57	4.41	48.48	-44.81	-5.73	9.40	-46.03	2680.16	-134.62	1502.88	1042.671388.45
			80	5.63	35.28	-109.37	1.07	-75.15	61.47	1870.07	-2508.83	-2491.45	1852.69275.35
			79	13.41	166.71	-63.12	52.21	51.37	-114.91	1.078e+04	9724.70	1.034e+04	1.016e+04517.68
	43	162	56	5.09	22.41	-9.98	16.09	-3.67	-12.83	787.71	-3551.52	779.84	-3543.66184.57
			57	3.46	0.13	-7.70	-7.70	0.13	6.87e-03	2683.52	-210.48	1432.08	1040.961433.73
			80	5.17	4.86	-21.01	4.85	-21.01	-0.36	1711.76	-2833.00	-2785.94	1664.70460.08
			79	12.71	-1.44	-5.42	-5.14	-1.72	1.03	1.102e+04	9482.60	1.046e+04	1.004e+04740.97
	43	164	56	5.19	21.11	-11.07	15.25	-5.21	-12.43	744.80	-3646.88	738.93	-3641.02160.39
			57	3.36	0.92	-8.13	-8.12	0.91	0.15	2600.74	-216.36	1399.32	985.061393.24
			80	5.16	4.45	-20.17	4.43	-20.15	0.61	1642.50	-2905.69	-2863.25	1600.06437.30
			79	12.60	-2.05	-6.66	-5.66	-3.05	1.90	1.092e+04	9392.49	1.038e+04	

9939.77733.54											
43	182	56	4.88	25.02	-9.78	16.57	-1.33	-14.92	906.28	-3321.93	894.40	-
3310.04223.88											
		57	3.71	-1.56	-8.06	-7.98	-1.64	-0.70	2887.60	-190.78	1526.24	
1170.581528.88											
		80	5.14	7.18	-22.61	6.95	-22.38	-2.64	1881.20	-2607.42	-2548.45	
1822.23511.09											
		79	12.99	1.94	-3.60	-2.89	1.23	-1.84	1.128e+04	9739.96	1.072e+04	
1.030e+04740.40											
43	217	56	5.21	19.72	-10.15	14.27	-4.70	-11.54	788.46	-3659.07	777.99	-
3648.61215.47											
		57	3.48	0.53	-8.31	-8.15	0.36	-1.21	2669.02	-224.47	1422.30	
1022.251432.85											
		80	5.24	4.93	-20.67	4.79	-20.53	1.88	1689.58	-2932.96	-2883.56	
1640.18475.30											
		79	12.76	-2.79	-5.47	-5.05	-3.21	-0.97	1.109e+04	9458.21	1.047e+04	
1.007e+04788.10											
44	15	57	2.74	-8.64	-33.61	-26.76	-15.49	11.14	991.16	-1276.14	-292.50	
7.521123.68											
		58	0.84	7.12	-6.26	1.40	-0.54	-6.61	639.12	44.23	65.30	
618.06109.95											
		81	4.88	-4.62	-125.72	-5.05	-125.29	7.20	2572.99	50.67	55.13	
2568.53-105.96											
		80	4.64	88.59	-75.77	22.13	-9.31	-80.66	2981.23	-571.15	-519.98	
2930.06-423.25											
44	79	57	2.93	-12.15	-34.83	-27.54	-19.43	10.59	1249.81	-1237.47	-230.38	
242.721220.94											
		58	1.19	3.92	-10.46	0.20	-6.74	-6.30	882.75	81.92	124.85	
839.82180.39											
		81	5.25	-4.05	-131.28	-4.24	-131.09	4.89	2758.78	-48.82	-48.01	
2757.97-47.72											
		80	4.85	90.51	-79.99	23.39	-12.86	-83.30	3163.26	-650.80	-620.55	
3133.02-338.27											
44	141	57	2.73	15.11	-15.80	-5.84	5.15	-14.45	1322.84	-925.80	-14.80	
411.841103.90											
		58	1.10	0.31	-7.94	0.22	-7.86	0.83	840.24	51.35	90.59	
801.00171.51											
		81	2.91	0.03	-16.17	-0.36	-15.78	-2.49	2155.65	-66.41	-66.19	
2155.4322.24											
		80	3.90	7.59	-33.71	7.12	-33.24	-4.38	2450.86	-518.18	-518.06	
2450.7319.16											
44	162	57	2.42	11.48	-12.66	-6.49	5.32	-10.53	1091.48	-959.09	-71.79	
204.191015.96											
		58	0.79	1.16	-2.12	1.15	-2.11	-0.21	622.97	18.26	38.30	
602.93108.25											
		81	2.70	-1.24	-19.75	-1.25	-19.74	0.30	1996.96	24.64	25.08	
1996.52-29.24											
		80	3.52	9.07	-28.29	6.85	-26.07	-8.84	2280.12	-427.33	-426.12	
2278.91-57.23											
44	164	57	2.37	12.08	-12.20	-6.32	6.19	-10.40	1034.57	-968.25	-85.60	
151.92994.35											
		58	0.71	1.45	-0.77	1.42	-0.73	-0.28	569.40	9.32	25.07	
553.6592.60											
		81	2.62	-1.39	-18.49	-1.43	-18.45	0.81	1955.36	47.06	48.00	
1954.43-42.18											
		80	3.43	8.58	-27.29	6.57	-25.28	-8.25	2236.00	-405.96	-403.77	
2233.81-76.12											
44	186	57	2.55	10.06	-13.40	-6.78	3.44	-10.56	1230.04	-941.59	-36.98	
325.431070.59											
		58	0.97	0.55	-5.43	0.55	-5.43	0.11	748.05	39.20	71.47	
715.77147.77											
		81	2.90	-0.91	-22.94	-0.96	-22.89	-1.02	2091.34	-33.42	-33.41	
2091.342.45											
		80	3.72	10.26	-30.55	7.47	-27.76	-10.31	2382.14	-483.00	-482.96	
2382.10-10.48											
44	219	57	2.43	11.49	-12.78	-6.98	5.68	-10.35	1086.02	-974.26	-76.27	
188.031021.63											
		58	0.75	1.67	-0.52	1.50	-0.36	-0.57	603.37	7.08	22.80	
587.6495.55											

81	2.71	-1.38	-21.00	-1.44	-20.94	1.09	1999.84	48.13	48.97	1998.99-40.59
80	3.49	9.79	-27.94	7.07	-25.22	-9.75	2280.19	-408.26	-407.29	2279.21-51.14
45 15 60	9.46	10.67	-96.59	10.51	-96.43	-4.15	3130.02	-4583.46	-4321.30	2867.861397.65
61	19.03	17.84	-130.64	14.78	-127.58	-21.11	1.660e+04	1.088e+04	1.307e+04	1.440e+042781.27
82	9.03	23.70	-70.94	19.52	-66.75	19.45	4423.69	-3132.68	2715.31	-1424.303160.79
87	8.75	-35.27	-55.90	-55.39	-35.78	-3.19	5313.21	-2602.34	739.38	1971.493909.53
45 101 60	9.68	-0.42	-120.56	-0.51	-120.47	3.19	3496.95	-4312.05	-4106.66	3291.561249.68
61	19.82	3.25	-157.09	2.42	-156.26	-11.50	1.699e+04	1.155e+04	1.336e+04	1.518e+042567.71
82	8.75	19.59	-100.92	13.21	-94.54	26.98	4593.11	-2415.65	2850.44	-672.983029.36
87	8.99	-57.57	-62.68	-61.13	-59.12	2.35	5660.05	-2448.21	810.53	2401.313975.34
45 155 60	7.28	-0.57	-85.82	-0.74	-85.65	3.81	2618.84	-3316.80	-3168.71	2470.74925.80
61	14.91	0.91	-102.65	0.61	-102.35	-5.61	1.292e+04	8828.66	1.021e+04	1.154e+041933.85
82	6.54	12.06	-67.40	7.67	-63.01	18.15	3463.21	-1868.44	2182.42	-587.652277.79
87	6.68	-33.92	-46.25	-41.48	-38.69	6.00	4252.12	-1848.53	606.26	1797.332991.63
45 159 60	6.65	2.38	-55.40	1.79	-54.81	5.80	2264.05	-3405.43	-3271.90	2130.53859.76
61	13.59	0.73	-34.85	0.65	-34.77	1.72	1.229e+04	8432.00	9892.65	1.083e+041870.77
82	6.01	3.67	-24.17	1.69	-22.19	7.15	3191.12	-2152.47	2104.16	-1065.512151.00
87	6.47	3.68	-34.10	-21.59	-8.84	17.79	3805.46	-1786.79	526.57	1492.102754.13
45 164 60	6.21	0.91	-43.93	-3.02	-40.00	12.68	2162.34	-3321.56	-3232.00	2072.78695.07
61	13.19	21.82	-15.68	-7.55	13.69	15.45	1.192e+04	8481.17	9768.13	1.064e+041665.31
82	5.39	0.27	-8.66	-8.50	0.11	1.18	3035.62	-1962.13	2115.98	-1042.491936.59
87	6.48	33.68	-33.74	-5.51	5.45	33.26	3590.76	-1623.03	494.31	1473.422560.51
45 172 60	6.16	3.05	-51.72	0.54	-49.21	11.45	2390.74	-2899.38	-2837.52	2328.88568.72
61	13.64	21.37	-9.61	-3.01	14.77	12.68	1.222e+04	9083.90	1.021e+04	1.110e+041505.11
82	5.26	0.99	-6.65	-6.65	0.99	0.06	3326.67	-1444.55	2470.58	-588.461830.76
87	6.39	29.65	-37.13	-4.28	-3.20	33.39	3814.22	-1272.57	815.71	1725.942502.34
45 213 60	6.36	-0.20	-46.42	-3.17	-43.44	11.35	2226.79	-3347.44	-3289.24	2168.59566.56
61	13.30	20.15	-19.87	-10.20	10.48	17.13	1.199e+04	8806.63	9927.59	1.086e+041518.86
82	5.23	-1.89	-7.37	-7.33	-1.93	0.47	3048.73	-1785.62	2198.87	-935.771840.18
87	6.33	31.01	-36.96	-6.98	1.03	33.75	3545.35	-1524.37	481.33	1539.652479.01
46 15 61	19.61	68.32	-364.66	-182.95	-113.39	-213.68	1.414e+04	1.322e+04	1.322e+04	1.414e+0429.15
62	8.55	-10.11	-172.67	-90.94	-91.84	81.28	5237.12	-1926.18	-1683.12	4994.061296.92
88	5.41	60.89	-235.40	-97.78	-76.73	-147.77	2633.03	2193.39	2228.94	2597.48-119.85
82	7.37	-12.26	-176.45	-91.41	-97.31	82.04	3469.95	-2333.98	3171.11	-2035.141282.63
46 103 61	19.76	11.60	-245.81	-119.44	-114.77	-128.69	1.553e+04	1.367e+04	1.376e+04	1.544e+04-408.36

62 9.11 -17.40 -90.44 -41.96 -65.88 34.51 6472.09 -1049.18 -967.85
6390.77777.84
88 5.28 23.81 -148.00 -60.65 -63.54 -85.90 4285.89 2446.99 2691.01
4041.88-623.84
82 5.81 -24.52 -134.69 -58.13 -101.08 50.72 3767.21 -686.24 3605.71 -
524.73832.57
46 156 61 14.82 4.33 -161.34 -79.45 -77.56 -82.83 1.178e+041.040e+041.048e+04
1.170e+04-321.42
62 6.80 -10.41 -59.14 -27.23 -42.32 23.17 4822.54 -888.85 -825.36
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88 3.79 15.20 -96.26 -39.46 -41.60 -55.72 3167.74 1813.51 2010.10
2971.15-477.05
82 4.42 -14.91 -88.89 -37.54 -66.26 34.09 2831.61 -651.97 2713.37 -
533.74630.80
46 159 61 13.41 8.10 -110.55 -60.23 -42.22 -58.641.074e+04 9881.64 9930.47
1.070e+04-199.30
62 6.04 2.36 -53.32 -27.15 -23.80 27.79 3897.94 -1441.05 -1326.58
3783.47773.34
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		68	10.31	7.11	-135.64	-81.73	-46.79	69.20	5425.28	-3563.30	-3526.39 5388.37574.84
		93	6.19	-59.15	-168.08	-113.35	-113.88	-54.46	4884.11	436.76	1216.08 4104.78-1690.74
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1696.51 -2426.89
85 6.53 23.65 -71.28 23.37 -70.99 -5.18 3039.80 -2144.82 2499.57 -

1604.59-1583.99											
52	159	79	13.55	4.36	-52.50	3.65	-51.80	6.29	1.208e+04	8492.65	1.029e+04
1.028e+04-1794.19											
		80	5.82	5.62	-40.68	5.31	-40.36	3.78	1738.84	-3176.45	-3083.21
1645.60-670.53											
		103	5.28	-17.88	-33.05	-22.76	-28.17	7.08	3513.95	-946.35	1101.16
1466.44-2222.66											
		85	6.11	18.25	-24.63	18.11	-24.49	2.46	2939.79	-2418.03	2529.56
2007.80-1424.66											
52	164	79	13.22	3.23	-8.40	-5.86	0.69	-4.80	1.208e+04	8672.46	1.045e+04
1.031e+04-1703.47											
		80	5.49	2.35	-24.05	1.57	-23.27	-4.48	1668.60	-3192.56	-3125.42
1601.46-567.34											
		103	5.01	6.19	-13.92	-4.94	-2.78	-10.00	3391.62	-890.18	1091.20
1410.24-2134.95											
		85	5.78	17.43	-4.31	11.22	1.90	9.82	3016.08	-2405.82	2669.46
2059.20-1326.35											
52	181	79	13.12	22.74	0.45	0.58	22.61	1.72	1.190e+04	8412.92	1.029e+04
1.002e+04-1737.29											
		80	5.43	5.93	-10.79	5.93	-10.79	0.14	1519.22	-3311.34	-3249.81
1457.69-541.68											
		103	4.85	13.26	-9.40	-4.25	8.11	-9.50	3246.19	-883.45	1081.36
1281.38-2062.40											
		85	6.18	30.40	6.31	13.23	23.48	10.90	2961.79	-2640.06	2641.62
2319.90-1300.38											
52	206	79	13.32	3.11	-3.24	-2.80	2.67	-1.62	1.219e+04	8702.84	1.055e+04
1.034e+04-1738.15											
		80	5.42	4.61	-24.31	3.08	-22.78	-6.47	1672.41	-3128.34	-3060.24
1604.31-567.73											
		103	5.06	8.55	-10.35	-1.98	0.18	-9.39	3488.44	-815.38	1235.63
1437.43-2149.55											
		85	5.90	16.08	-1.63	11.61	2.84	7.70	3122.48	-2410.09	2767.85
2055.45-1355.10											
53	15	59	4.42	-0.24	-46.11	-4.70	-41.64	-13.59	3162.68	86.94	95.18
3154.44159.00											
		60	7.79	-21.05	-195.53	-21.92	-194.65	12.35	3885.56	-1038.65	-726.27
3573.181200.27											
		87	8.00	47.40	3.90	36.48	14.82	-18.86	3547.38	-3519.57	-327.93
355.733516.90											
		86	2.87	-2.18	-141.12	-5.26	-138.04	20.46	949.61	-87.81	74.09
787.72376.49											
53	101	59	5.21	-3.84	-65.69	-5.98	-63.54	-11.31	3526.83	-9.36	-6.23
3523.70105.22											
		60	8.59	-22.40	-219.31	-23.58	-218.12	15.22	4234.65	-1086.09	-822.06
3970.611155.48											
		87	7.98	44.47	-13.70	38.66	-7.89	-17.44	3755.03	-3268.76	-292.84
779.113470.76											
		86	3.65	0.18	-162.11	-2.74	-159.19	21.56	1277.69	8.86	103.63
1182.92333.56											
53	155	59	3.88	-2.73	-45.48	-4.12	-44.08	-7.60	2665.87	3.09	5.49
2663.4779.95											
		60	6.31	-14.64	-151.80	-15.48	-150.95	10.76	3188.98	-807.76	-621.04
3002.26843.46											
		87	6.02	31.54	-10.53	26.28	-5.27	-13.91	2814.24	-2479.67	-229.85
564.422616.99											
		86	2.56	0.11	-109.76	-1.88	-107.77	14.64	950.14	3.49	77.02
876.61253.38											
53	159	59	3.18	-1.02	-22.33	-2.16	-21.19	-4.80	2391.26	68.84	72.70
2387.4094.63											
		60	5.07	-5.75	-88.94	-6.30	-88.40	6.71	2849.17	-700.91	-552.33
2700.59710.91											
		87	5.66	26.28	-7.07	14.31	4.89	-15.99	2503.69	-2450.23	-256.43
309.892460.72											
		86	1.53	-0.76	-54.21	-1.97	-53.00	7.96	734.48	-39.46	58.43
636.58257.26											
53	164	59	3.03	-1.02	-12.92	-1.04	-12.90	-0.47	2359.87	69.96	72.31
2357.5173.47											
		60	4.37	2.26	-41.97	1.79	-41.49	4.57	2754.98	-638.58	-547.48
2663.87548.51											
		87	5.29	19.10	-15.38	3.80	-0.09	-17.13	2332.20	-2254.21	-259.62

337.612273.68
86 1.05 -0.05 -12.66 -0.38 -12.33 2.01 739.52 -19.98 59.54
660.01232.53
53 173 59 2.63 -0.08 -1.64 -0.41 -1.32 0.63 2191.07 111.44 124.24
2178.26162.68
60 4.02 2.41 -32.31 1.45 -31.36 5.68 2603.79 -625.44 -497.35
2475.71630.25
87 5.46 25.26 -12.72 2.78 9.76 -18.67 2289.37 -2430.39 -277.28
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86 0.87 0.24 -1.28 -0.03 -1.00 0.58 636.50 -125.19 43.71
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2305.1798.45
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2607.22706.15
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54 15 62 10.35 -18.18 -253.22 -110.84 -160.56 -114.86 6277.14 499.09 889.27
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3135.121434.01
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88 2.97 -25.64 -120.55 -74.76 -71.43 -47.42 1620.02 466.16 481.97
1604.21134.13
54 101 62 11.09 -15.71 -271.42 -113.84 -173.30 -124.35 6901.23 712.09 966.77
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63 7.28 14.39 -79.18 -69.23 4.44 -28.84 4219.98 -2012.55 -1749.70
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89 6.02 -0.94 -170.29 -75.21 -96.01 -84.03 2554.55 -1670.72 -1537.29
2421.12738.90
88 3.75 -29.98 -131.80 -77.55 -84.23 -50.80 2390.14 673.27 675.50
2387.91-61.94
54 155 62 8.02 -11.59 -177.56 -75.39 -113.76 -80.74 5197.95 539.31 726.42
5010.84914.68
63 5.42 9.21 -51.30 -45.14 3.05 -18.30 3137.86 -1551.41 -1357.84
2944.29932.87
89 4.31 -0.28 -111.19 -48.80 -62.66 -55.02 1866.90 -1294.31 -1201.93
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88 2.64 -19.78 -86.26 -50.89 -55.15 -33.17 1767.26 495.09 499.95
1762.40-78.45
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4426.51887.40
63 4.67 2.30 -20.48 -20.21 2.03 -2.45 2547.28 -1627.76 -1426.89
2346.41893.48
89 3.18 -0.65 -46.16 -20.67 -26.14 -22.59 1290.50 -1417.19 -1333.66
1206.97468.19
88 1.59 -7.64 -33.41 -21.49 -19.56 -12.85 1273.42 357.30 371.50
1259.21-113.20
54 164 62 5.50 25.41 -8.39 3.74 13.29 16.21 4480.12 482.71 614.26
4348.57713.13
63 4.30 11.91 -3.69 7.56 0.66 7.00 2435.41 -1574.21 -1435.33
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89 2.81 17.59 2.56 10.06 10.08 7.51 1238.15 -1362.86 -1328.07
1203.36298.78
88 1.55 12.05 1.50 6.05 7.50 5.22 1357.30 293.26 372.08
1278.48-278.67
54 190 62 5.76 14.37 -3.99 4.64 5.75 9.16 4867.65 546.50 631.53
4782.62600.17
63 4.85 13.26 0.72 13.25 0.72 -0.23 2881.70 -1499.48 -1405.72
2787.94634.04
89 3.23 17.91 7.26 15.06 10.11 4.72 1719.99 -1279.85 -1263.20
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88 2.11 7.53 -0.95 6.63 -0.05 2.61 1817.01 328.36 424.91
1720.46-366.62
54 215 62 5.72 24.26 -6.79 4.42 13.05 14.92 4711.58 551.03 644.40
4618.21616.24

		63	4.57	14.42	-1.03	8.43	4.96	7.53	2734.59	-1481.39	-1383.60
2636.80634.60											
		89	3.04	17.97	3.44	9.10	12.31	7.08	1467.43	-1318.96	-1295.44
1443.91254.92											
		88	1.79	11.98	1.59	5.14	8.43	4.92	1545.95	287.21	373.28
1459.88-317.71											
	55	15	63	6.84	-16.08	-123.67	-82.84	-56.91	-52.21	3690.25	-1987.96	-1590.06
3292.361449.49											
			64	5.85	-31.84	-69.75	-60.70	-40.89	-16.16	3075.54	-2358.69	-2132.64
2849.481085.05											
			90	5.62	-39.30	-105.30	-65.81	-78.79	-32.36	1822.08	-2860.92	-2390.46
1351.621407.78											
			89	4.71	-14.99	-133.14	-77.43	-70.69	-58.98	1622.12	-1974.39	-1756.50
1404.23858.00											
	55	103	63	7.21	-11.39	-69.14	-49.32	-31.21	-27.42	4748.66	-1603.89	-1454.41
4599.19962.92											
			64	7.05	-13.57	-38.55	-35.29	-16.84	-8.42	4366.05	-2028.72	-1965.62
4302.95632.06											
			90	5.96	-21.99	-56.02	-37.94	-40.07	-16.98	3027.85	-2339.60	-2150.60
2838.85989.30											
			89	4.99	-12.75	-73.61	-46.42	-39.94	-30.26	2824.09	-1581.85	-1540.76
2783.00423.51											
	55	156	63	5.35	-7.77	-44.06	-31.91	-19.91	-17.12	3506.23	-1254.49	-1136.16
3387.90741.18											
			64	5.24	-8.87	-23.87	-22.22	-10.51	-4.69	3195.21	-1581.97	-1531.87
3145.11486.65											
			90	4.40	-14.20	-35.48	-23.85	-25.82	-10.59	2167.35	-1825.43	-1678.73
2020.65751.14											
			89	3.65	-8.14	-47.17	-29.67	-25.64	-19.41	2029.79	-1237.11	-1205.80
1998.48318.28											
	55	163	63	4.50	15.31	-1.91	6.78	6.62	8.61	2721.66	-1355.06	-1229.23
2595.84705.07											
			64	4.29	14.43	0.81	9.25	5.99	6.61	2327.35	-1689.02	-1637.23
2275.56453.14											
			90	3.48	14.32	3.09	10.27	7.14	5.39	1303.95	-1945.12	-1805.59
1164.42658.69											
			89	2.78	14.15	2.00	8.89	7.25	6.02	1279.87	-1333.76	-1311.77
1257.89238.70											
	55	164	63	4.35	15.66	-1.74	7.23	6.69	8.70	2558.78	-1394.58	-1249.12
2413.33744.24											
			64	4.11	14.82	0.29	9.78	5.33	6.92	2136.69	-1724.04	-1660.91
2073.56489.62											
			90	3.36	14.56	2.90	10.82	6.64	5.45	1120.23	-1997.07	-1837.48
960.64687.05											
			89	2.64	14.32	2.66	9.55	7.44	5.73	1103.34	-1369.49	-1339.75
1073.60269.56											
	55	192	63	4.84	13.88	-3.65	3.93	6.30	8.68	3078.24	-1256.36	-1166.44
2988.32617.81											
			64	4.70	12.94	-0.05	6.19	6.70	6.49	2731.57	-1600.95	-1568.54
2699.17373.29											
			90	3.76	13.48	2.24	8.00	7.72	5.62	1697.68	-1806.81	-1703.15
1594.02593.74											
			89	3.11	13.13	0.16	6.46	6.83	6.48	1666.15	-1224.77	-1215.29
1656.67165.28											
	55	215	63	4.63	17.91	0.13	8.17	9.87	8.85	2857.38	-1299.59	-1196.72
2754.51645.81											
			64	4.47	17.98	2.56	11.00	9.54	7.68	2518.54	-1626.33	-1587.83
2480.03397.64											
			90	3.56	16.12	4.36	10.26	10.22	5.88	1383.65	-1909.55	-1778.66
1252.76643.36											
			89	2.87	15.00	3.86	8.73	10.13	5.52	1332.96	-1326.66	-1307.38
1313.68225.63											
	56	15	64	5.90	-23.61	-84.24	-66.15	-41.69	-27.74	3047.22	-2364.79	-2149.85
2832.281056.90											
			65	6.76	-47.47	-71.09	-53.00	-65.57	10.00	4203.93	-1663.09	-1572.59
4113.43723.05											
			91	6.11	-58.14	-81.85	-59.18	-80.80	-4.86	2852.30	-2544.55	-1643.21
1950.962012.96											
			90	5.55	-44.02	-109.44	-72.65	-80.80	-32.45	1806.38	-2855.89	-2401.76
1352.251382.41											

56	103	64	7.03	-16.20	-36.84	-35.55	-17.49	-5.00	4347.55	-2026.07	-1966.94
4288.42611.05											
		65	8.23	-14.88	-46.03	-27.70	-33.20	15.33	5769.41	-1372.68	-1358.58
5755.30317.09											
		91	6.59	-31.66	-46.47	-35.09	-43.05	6.25	4114.19	-1825.64	-1322.25
3610.811654.27											
		90	5.83	-34.60	-51.57	-44.08	-42.09	-8.42	3042.21	-2305.54	-2112.13
2848.80998.45											
56	156	64	5.23	-10.38	-22.88	-22.40	-10.86	-2.40	3180.34	-1581.33	-1534.54
3133.56469.67											
		65	6.11	-8.18	-30.77	-17.16	-21.79	11.06	4248.51	-1082.66	-1071.63
4237.48242.22											
		91	4.86	-19.10	-30.89	-21.74	-28.24	4.92	2977.51	-1444.26	-1052.15
2585.391257.01											
		90	4.30	-22.71	-32.50	-27.96	-27.25	-4.88	2175.83	-1802.95	-1654.25
2027.13754.66											
56	163	64	4.29	16.31	-0.04	9.65	6.62	8.03	2309.10	-1695.69	-1648.58
2261.99431.79											
		65	4.94	14.25	-1.33	9.68	3.24	7.09	3243.53	-1222.36	-1213.42
3234.59199.61											
		91	3.87	15.27	0.22	11.58	3.91	6.48	1971.20	-1638.03	-1235.94
1569.111135.59											
		90	3.48	15.02	1.41	9.94	6.49	6.58	1298.17	-1941.20	-1807.69
1164.65643.95											
56	164	64	4.10	15.11	0.70	9.78	6.04	6.96	2117.17	-1731.98	-1674.40
2059.58467.27											
		65	4.71	13.45	-1.04	9.81	2.60	6.29	3017.16	-1256.90	-1244.36
3004.61231.20											
		91	3.72	15.11	0.70	12.38	3.43	5.65	1774.14	-1717.57	-1279.83
1336.411156.22											
		90	3.36	14.38	2.43	10.75	6.06	5.49	1110.32	-1997.01	-1846.21
959.52667.71											
56	196	64	4.69	17.83	-1.67	8.72	7.44	9.73	2722.63	-1608.60	-1580.51
2694.54347.67											
		65	5.42	15.09	-2.39	8.70	4.00	8.42	3723.26	-1138.48	-1135.22
3720.00125.83											
		91	4.20	15.17	-1.18	9.54	4.45	7.77	2396.29	-1452.28	-1118.22
2062.241083.53											
		90	3.78	15.75	-0.77	7.90	7.08	8.25	1704.70	-1800.25	-1700.44
1604.89582.98											
56	215	64	4.47	18.28	3.02	11.03	10.27	7.62	2500.27	-1635.86	-1601.53
2465.95375.22											
		65	5.12	16.71	1.21	11.26	6.66	7.40	3472.23	-1158.21	-1153.24
3467.27151.55											
		91	3.94	16.64	2.91	12.08	7.46	6.46	2058.02	-1581.75	-1197.95
1674.221117.87											
		90	3.54	15.77	4.07	10.24	9.60	5.84	1374.93	-1910.72	-1787.58
1251.79624.05											
57	15	65	7.01	4.22	-53.54	-52.10	2.78	-9.00	3980.12	-1991.50	-1913.80
3902.42676.72											
		66	11.18	-39.85	-205.68	-72.40	-173.13	65.87	8154.84	1267.02	1401.10
8020.76951.61											
		92	6.69	-7.52	-79.62	-12.08	-75.06	17.54	4703.02	-1165.24	1042.93
2494.852842.90											
		91	6.58	-75.15	-126.18	-75.28	-126.04	2.62	3054.82	-2551.18	-1671.64
2175.282038.90											
57	103	65	8.46	16.58	-36.18	-28.38	8.78	18.73	5573.07	-1629.97	-1619.15
5562.25278.99											
		66	12.79	-9.81	-157.61	-45.05	-122.38	62.98	1.001e+04	1684.22	1731.39
9959.69624.76											
		92	7.72	2.71	-70.04	-6.51	-60.82	24.20	6184.75	-57.83	1637.38
4489.532776.47											
		91	6.98	-35.91	-77.83	-43.06	-70.69	15.76	4410.32	-1654.80	-1123.69
3879.211714.40											
57	156	65	6.26	12.41	-23.51	-17.58	6.49	13.33	4095.83	-1288.09	-1279.72
4087.46212.08											
		66	9.43	-5.24	-105.97	-29.05	-82.16	42.80	7465.92	1250.81	1287.01
7429.72472.94											
		92	5.67	4.17	-46.77	-2.26	-40.34	16.92	4529.20	-119.87	1191.75

3217.582092.24										
	91	5.14	-22.00	-52.05	-27.10	-46.95	11.28	3196.85	-1332.69	-922.61
2786.771299.74										
57 159	65	4.98	3.67	-11.70	-11.68	3.65	0.58	2938.37	-1514.74	-1489.18
2912.81336.42										
	66	7.61	-7.66	-72.46	-19.98	-60.14	25.42	6092.11	969.91	1031.22
6030.80557.04										
	92	4.69	7.48	-26.83	4.81	-24.15	9.19	3316.59	-757.25	773.33
1786.011972.99										
	91	4.36	-17.56	-42.00	-18.29	-41.27	4.16	2109.97	-1826.72	-1294.52
1577.771346.07										
57 164	65	4.74	14.27	0.57	10.04	4.79	6.33	2853.50	-1510.97	-1502.19
2844.71195.62										
	66	6.87	9.96	-6.92	7.34	-4.29	6.11	5960.58	959.54	995.62
5924.50423.25										
	92	4.37	17.74	-0.62	15.59	1.53	5.91	3086.33	-650.89	751.22
1684.221809.44										
	91	3.90	14.54	-1.22	12.01	1.31	5.79	1932.45	-1728.86	-1301.12
1504.721176.06										
57 196	65	5.42	21.69	-6.16	9.24	6.28	13.85	3568.57	-1364.72	-1362.92
3566.7694.25										
	66	7.89	12.89	-18.74	5.34	-11.19	13.48	6802.92	1135.78	1160.60
6778.10374.28										
	92	4.98	17.38	-9.62	13.23	-5.46	9.74	3818.69	-227.43	1030.58
2560.681872.82										
	91	4.37	17.40	-3.75	10.91	2.74	9.75	2592.81	-1391.74	-1048.32
2249.391118.23										
57 215	65	5.18	17.75	4.02	11.51	10.26	6.84	3309.22	-1415.32	-1412.49
3306.38115.74										
	66	7.41	13.50	-7.31	8.95	-2.76	8.60	6463.19	1084.30	1108.69
6438.79361.40										
	92	4.52	18.55	2.45	15.78	5.22	6.07	3336.61	-421.91	857.18
2057.521780.85										
	91	4.12	15.98	0.40	11.56	4.82	7.02	2219.93	-1595.94	-1219.48
1843.461137.90										
58 15	68	9.62	-60.22	-173.77	-97.67	-136.33	-53.38	6459.75	-141.70	-50.68
6368.73769.80										
	69	7.15	-6.80	-85.33	-80.04	-12.08	19.67	3434.17	-2455.15	-2437.51
3416.52321.86										
	94	5.10	-90.86	-108.92	-105.91	-93.86	-6.73	2101.05	-2330.58	-2330.24
2100.71-39.08										
	93	4.65	-71.01	-91.34	-83.72	-78.63	-9.84	2955.58	-996.71	-643.39
2602.26-1127.65										
58 103	68	10.98	-33.06	-106.96	-54.67	-85.35	-33.62	8256.50	159.31	187.00
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	69	8.48	-0.27	-42.93	-41.35	-1.86	8.08	5175.66	-2219.52	-2199.24
5155.38386.75										
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3841.21-275.90										
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4486.58-1430.61										
58 156	68	8.09	-21.62	-69.84	-34.98	-56.47	-21.59	6127.57	89.78	111.46
6105.89361.14										
	69	6.24	0.30	-26.68	-25.37	-1.01	5.80	3773.11	-1730.34	-1717.52
3760.30265.25										
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3217.68-1100.03										
58 163	68	6.13	13.55	-0.29	10.75	2.51	5.56	4936.19	-84.03	-63.20
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	69	4.98	16.60	1.94	16.20	2.34	2.36	2672.59	-1854.06	-1852.73
2671.2677.56										
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1569.75-233.60										
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58 164	68	5.82	14.42	-0.22	10.99	3.21	6.20	4675.04	-124.01	-99.06
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		96	5.27	-41.89	-95.86	-70.27	-67.47	26.95	3271.06	-1215.11	-593.06
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2219.30543.72											
60	79	70	8.29	3.46	-77.52	-74.38	0.32	15.62	4700.43	-2194.43	-2189.47
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		71	8.46	-15.12	-148.51	-57.82	-105.81	62.23	5774.80	55.92	82.24
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2345.75337.16											
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		96	3.65	-2.36	-27.94	-10.30	-20.00	11.83	2357.73	-894.81	-425.78
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		96	4.13	27.63	0.23	26.13	1.73	6.23	2927.93	-670.26	-238.61
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		71	6.68	18.45	0.45	17.06	1.84	4.81	5418.58	101.20	123.99
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61	7	73	9.25	76.32	31.97	63.07	45.22	20.30	7834.37	1150.89	1195.62
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		99	3.71	30.58	10.80	25.20	16.17	-8.80	940.57	-2404.82	-2072.33 608.08-1000.89
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3284.86-805.49										
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	81	3.51	-3.17	-61.05	-3.72	-60.50	5.60	2155.16	-29.98	-23.47
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	104	2.80	-0.45	-141.49	-1.60	-140.35	-12.66	770.40	4.36	79.75
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66	159	80	4.25	-6.56	-77.75	-6.70	-77.61	-3.23	2412.36	-428.86	-368.05
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	81	2.91	-1.41	-34.58	-1.72	-34.28	3.15	2006.70	44.71	46.51
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66	164	80	3.58	1.49	-27.72	1.49	-27.72	-0.14	2365.62	-414.14	-380.29
2331.77-304.88										
	81	2.68	-0.59	-19.29	-0.65	-19.23	-1.04	1990.02	46.99	48.01
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	104	0.85	-0.24	-18.43	-0.25	-18.43	-0.28	510.23	3.55	55.50
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66	182	80	4.01	0.56	-40.71	0.50	-40.64	-1.65	2525.07	-511.07	-462.17
2476.16-382.21										
	81	3.07	-1.46	-31.05	-1.62	-30.88	-2.21	2136.81	-39.10	-34.17
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66	226	80	3.65	1.08	-30.75	1.06	-30.73	-0.85	2390.65	-416.50	-386.19
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	81	2.71	-0.63	-18.97	-0.67	-18.92	-0.88	2016.45	47.66	48.54
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	107	8.24	11.25	-147.35	-65.39	-70.71	-79.26	1757.18	-4250.65	-217.36	-
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		106	5.06	47.79	-4.57	20.70	22.53	-26.16	1767.40	-2372.06	355.53	-960.191962.40
67	159	87	5.20	-31.73	-38.91	-33.37	-37.28	-3.01	2390.76	-2413.68	-308.36	285.452383.80
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67	164	87	5.30	20.92	-28.87	-7.30	-0.65	24.67	2184.11	-2229.30	-327.45	282.262185.54
		82	4.73	17.14	-17.20	-8.26	8.19	15.07	3811.74	273.95	2833.63	1252.061582.29
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67	185	87	5.65	33.11	-25.52	-5.57	13.16	27.78	2266.43	-2390.65	-346.30	222.082311.13
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67	216	87	5.49	25.77	-26.86	-6.16	5.07	25.71	2241.02	-2328.20	-312.37	225.192268.75
		82	4.85	18.99	-17.39	-8.28	9.88	15.77	3800.90	69.22	2744.01	1126.111681.35
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68	35	82	10.26	15.58	-288.33	-186.79	-85.96	-143.35	5385.52	567.06	4758.42	1194.161621.23
		88	3.37	22.35	-142.00	-62.56	-57.09	-82.13	1433.05	1013.05	1344.10	1102.00171.60
		108	5.48	32.58	-190.92	-60.11	-98.23	-110.12	658.97	-2740.80	303.10	-2384.931040.78
		107	6.88	73.43	-93.56	25.70	-45.84	-75.44	1778.26	-3738.72	1001.21	-2961.671919.16
68	112	82	7.13	7.35	-177.53	-116.28	-53.90	-87.02	3912.19	257.26	3307.13	862.321358.44
		88	2.24	11.85	-87.10	-33.76	-41.50	-49.32	934.33	420.05	667.92	686.46256.98
		108	3.88	18.41	-122.15	-34.76	-68.98	-68.17	242.24	-2289.87	-104.20	-1943.43870.18
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		83	3.94	13.11	-9.77	8.71	-5.36	9.02	3547.40	2233.21	3189.14
2591.47585.22											
		113	2.82	13.66	-8.40	11.84	-6.58	6.07	227.79	-1988.85	155.80
1916.87392.93											
		112	3.11	16.90	-8.32	13.27	-4.69	8.86	559.25	-1984.78	-27.87
1397.671071.88											
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		83	3.86	15.05	1.18	12.11	4.11	5.67	3437.53	2187.46	3058.00
2566.99574.80											
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2041.92321.19											
		112	2.91	17.89	1.94	15.64	4.19	5.55	387.88	-2043.25	-130.50
1524.87995.76											
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2767.59756.80											
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2685.79324.21											
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3771.75467.12											
		93	5.52	-44.55	-83.80	-47.71	-80.64	10.68	3829.01	126.00	750.75
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895.89-421.21											
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		93	3.07	-21.11	-38.79	-21.94	-37.97	3.73	1976.87	-426.82	92.02
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		113	3.16	-15.69	-43.82	-15.76	-43.75	-1.38	-127.22	-2213.25	-128.36
2212.1148.73											
70	164	83	3.47	15.20	-0.44	14.75	6.81e-03	2.61	3088.77	1856.71	3033.37
1912.10255.30											
		93	2.96	14.02	-2.51	13.21	-1.70	3.57	1973.51	-560.74	69.06
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		114	2.31	17.56	0.47	17.54	0.50	0.63	-460.61	-2042.34	-635.61
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		113	2.88	14.34	-1.15	13.98	-0.79	2.33	-134.02	-2328.86	-139.02
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	71	155	96	3.98	-56.21	-80.76	-60.60	-76.36	9.41	2713.92	-291.91	325.90	2096.101214.64
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			117	2.84	-42.28	-98.09	-63.02	-77.34	26.97	-180.45	-1448.29	-495.65	-1133.10547.97
	71	159	96	3.17	-19.83	-37.42	-20.13	-37.12	2.25	2116.93	-491.96	115.39	1509.581102.56
			84	3.99	-8.42	-53.64	-28.77	-33.29	22.50	3235.30	1959.71	3152.43	2042.58-314.39
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	71	164	96	2.91	16.64	-2.19	16.51	-2.06	-1.57	2009.54	-476.35	140.10	1393.091073.51
			84	3.68	20.22	4.26	19.91	4.58	2.23	3246.66	1869.93	3170.74	1945.85-314.26
			118	2.90	20.51	1.56	20.17	1.90	-2.51	-97.46	-2315.80	-97.64	-2315.6219.88
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			84	4.00	20.56	-1.90	20.56	-1.90	0.09	3540.89	2138.19	3422.21	2256.87-390.36
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			97	6.63	-46.27	-156.40	-75.74	-126.93	48.75	3361.33	-983.51	380.45	1997.37-2016.38
			119	4.61	-49.57	-95.65	-49.63	-95.58	1.77	372.46	-2981.15	-629.35	-1979.33-1534.95
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		125	2.89	24.39	-2.36	2.92	19.11	10.66	1116.73	-1336.52	1074.36	-1294.15-319.58
		124	2.25	48.55	-13.85	2.03	32.67	27.19	481.32	-969.52	437.73	-925.93-247.69
73	165	102	1.47	28.90	-18.82	-2.05	12.13	22.78	12.41	-764.37	-501.64	-250.31367.50
		85	4.27	13.44	-11.23	-4.70	6.91	10.88	3493.71	246.30	3489.61	250.40-115.26
		125	3.19	31.57	-4.92	0.19	26.46	12.66	1212.85	-1401.20	1162.57	-1350.92-359.03
		124	2.40	48.96	-16.36	-0.73	33.32	27.87	585.14	-982.05	533.72	-930.64-279.18
73	206	102	1.44	32.55	-12.86	8.08	11.61	22.64	-8.93	-808.85	-557.34	-260.44371.39
		85	4.12	13.96	-4.65	2.54	6.78	9.06	3488.92	307.77	3485.49	311.20-104.35
		125	2.95	24.70	1.37	6.16	19.90	9.42	1237.24	-1321.74	1194.89	-1279.39-326.45
		124	2.28	47.69	-11.75	3.79	32.15	26.12	554.03	-974.22	509.18	-929.36-257.94
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		103	7.60	-42.03	-204.92	-90.00	-156.95	74.25	2866.78	-2241.95	349.36	275.48-2554.10
		126	4.54	65.13	-73.04	39.54	-47.46	53.67	1693.92	-1564.39	672.81	-543.28-1511.43
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		126	4.80	61.69	-91.12	38.80	-68.22	54.53	1770.75	-1658.93	609.20	-497.37-1623.13
		125	5.82	-4.89	-177.38	-95.17	-87.09	86.15	1428.20	-2190.06	653.74	-1415.61-1484.05
74	144	85	5.17	101.87	-97.05	59.29	-54.48	81.59	3530.49	44.07	3076.62	497.94-1173.20
		103	5.84	-32.49	-148.63	-61.54	-119.58	50.30	2326.37	-1755.69	326.39	244.28-2040.62
		126	3.46	41.59	-58.50	26.31	-43.22	36.00	1326.41	-1245.51	483.36	-402.46-1207.28
		125	4.26	3.35e-03	-119.02	-62.81	-56.21	59.42	1105.51	-1645.18	552.15	-1091.82-1102.68
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		103	4.52	-18.98	-69.38	-32.43	-55.92	22.30	2022.29	-1641.26	249.77	131.25-1830.82
		126	2.73	23.96	-15.10	15.09	-6.22	16.37	1193.00	-1122.82	552.49	-482.32-1035.88
		125	3.60	15.21	-59.58	-28.95	-15.42	36.78	1144.62	-1487.72	735.30	-1078.40-953.90
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		103	3.78	-0.88	-9.78	-4.30	-6.37	-4.33	1882.85	-1578.00	235.27	69.58-1728.44
		126	2.35	17.45	2.85	3.37	16.93	-2.69	1114.73	-1067.09	579.21	-

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		87	4.71	12.15	-14.34	0.97	-3.15	-13.08	2231.78	-1893.12	69.62	269.042060.04
		106	4.25	32.43	-7.90	-1.13	25.66	-15.07	1369.55	-2151.22	211.97	-993.641653.96
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		108	4.95	32.61	-152.15	-17.61	-101.93	-82.20	47.19	-3128.08	-603.87	-2477.021281.96
76	101	88	4.74	2.67	-213.02	-95.88	-114.47	-107.44	1714.83	551.61	765.98	1500.45451.01
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		89	3.60	-5.68	-92.16	-40.30	-57.54	-42.37	1288.94	-1374.93	-1268.54	1182.55521.62
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		89	2.50	14.14	2.74	8.99	7.89	5.67	967.03	-1366.20	-1333.69	934.52273.48
		109	1.98	16.54	6.41	14.38	8.57	4.15	-1049.82	-1748.37	-1381.57	-1416.63348.84
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76	170	88	1.28	24.45	-0.33	14.38	9.74	12.17	974.37	277.99	308.61	943.75142.78
		89	2.77	20.94	3.94	16.70	8.18	7.35	906.36	-1589.56	-1542.74	859.53338.65
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		108	2.28	18.00	-2.41	12.26	3.33	9.18	-377.11	-1911.60	-660.31	-1628.40595.29
76	215	88	1.40	15.75	0.48	6.11	10.11	7.37	1185.75	515.90	516.56	1185.0920.99
		89	2.72	15.04	3.60	8.31	10.33	5.63	1196.14	-1322.61	-1301.60	1175.13229.07
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77	101	89	5.20	-9.52	-167.69	-81.80	-95.40	-78.79	1700.52	-1824.80	-1629.75
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- 1711.891041.21											
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- 1171.731032.40											
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- 1332.54745.06											
77	159	89	2.83	-0.27	-44.48	-20.36	-24.39	-22.01	988.05	-1386.09	-1281.96
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- 1482.40869.42											
		109	2.31	2.30	-41.77	-7.09	-32.38	-18.05	-887.03	-2075.31	-1455.45
- 1506.89593.58											
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- 1486.45655.56											
		109	2.05	15.96	6.40	13.91	8.45	3.93	-1056.91	-1820.82	-1443.16
- 1434.57381.93											
77	194	89	2.61	12.64	-0.59	8.00	4.05	6.32	1115.08	-1320.11	-1288.40
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- 1226.03630.81											
		109	1.86	16.23	-0.69	11.54	4.00	7.58	-964.49	-1704.75	-1438.16
- 1231.08355.35											
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- 1275.84643.56											
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- 1266.73373.69											
78	15	90	5.58	-31.44	-121.67	-71.45	-81.66	-44.82	1633.02	-2815.60	-2326.90
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		111	5.18	-60.55	-117.00	-65.03	-112.52	-15.26	9.97	-3795.25	-1789.06
- 1996.221899.79											
		110	4.55	-45.11	-128.64	-62.69	-111.06	-34.05	-594.67	-3685.75	-2365.82
- 1914.611528.98											
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- 1791.721970.87											
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- 1702.531590.15											
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		91	4.51	-38.75	-69.04	-40.07	-67.71	-6.20	2057.81	-1784.16	-1075.39
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110	3.32	-26.98	-88.18	-41.05	-74.11	-25.75	-325.15	-2647.74	-1640.01	-1332.871151.10
78 159 90	3.56	-8.29	-32.82	-17.51	-23.59	-11.88	1087.29	-2039.19	-1790.46	838.56846.04
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78 164 90	3.18	14.65	2.87	11.13	6.40	5.40	971.47	-1955.67	-1790.87	806.68674.70
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78 194 90	3.39	17.26	-4.11	8.58	4.57	10.50	1206.51	-1910.01	-1770.86	1067.36643.66
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78 215 90	3.35	15.99	4.56	10.66	9.89	5.70	1233.74	-1866.61	-1732.40	1099.53630.94
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79 15 91	6.19	-52.69	-95.96	-62.02	-86.64	-17.79	2669.86	-2571.75	-1598.78	1696.892037.95
92	6.36	-30.44	-150.02	-30.44	-150.02	-0.29	3883.24	-832.97	1016.60	2033.672302.62
112	5.36	-82.29	-122.56	-83.20	-121.65	-5.98	520.07	-3396.09	-502.99	-2373.031720.41
111	5.27	-66.28	-122.18	-70.87	-117.60	-15.34	108.00	-3794.40	-1695.25	-1991.151945.58
79 101 91	6.50	-62.63	-93.65	-65.47	-90.81	-8.95	3236.95	-2335.67	-1366.12	2267.392112.57
92	6.80	-34.14	-159.94	-34.73	-159.35	8.56	4396.84	-547.03	1248.73	2601.092377.66
112	5.24	-87.46	-131.11	-87.48	-131.09	1.07	915.71	-2991.45	-270.23	-1805.511796.44
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79 122 91	4.80	-29.50	-65.51	-37.15	-57.86	-14.73	2171.96	-1860.54	-1100.61	1412.031577.00
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112	3.93	-52.42	-84.80	-54.79	-82.43	-8.44	549.19	-2516.38	-228.20	-1739.001333.72
111	3.82	-41.74	-83.74	-46.39	-79.08	-13.18	217.19	-2777.79	-1142.19	-1418.411491.11
79 159 91	4.04	-12.92	-27.59	-13.52	-26.98	-2.92	1808.85	-1833.18	-1239.64	1215.311345.14
92	3.91	-1.65	-51.18	-1.76	-51.07	2.34	2692.93	-504.47	752.71	1435.741561.80
112	3.54	-19.65	-40.25	-19.65	-40.25	0.33	170.50	-2518.12	-382.59	-1965.031086.80
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79 164 91	3.57	15.03	0.93	12.61	3.35	5.31	1626.86	-1727.51	-1247.14	

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92 3.77 15.83 -11.30 12.75 -8.21 8.61 2853.44 -198.27 918.00
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94 3.67 16.71 1.89 16.51 2.09 1.72 1545.28 -1734.80 -1697.16
1507.64-349.33
115 2.03 17.47 0.55 16.54 1.47 3.85 -930.12 -1729.33 -1517.05 -
1142.40-352.97

		114	2.05	14.33	-6.34	13.02	-5.02	5.04	-307.14	-1790.07	-590.19	-1507.02-582.77
	80	215	93	3.12	18.02	2.80	17.46	3.35	2.86	2193.16	-450.82	-90.75	1833.09-906.84
			94	3.57	17.47	6.59	16.85	7.22	2.53	1506.45	-1729.68	-1705.29	1482.06-279.89
			115	2.07	18.05	6.62	17.82	6.85	1.60	-1095.86	-1741.90	-1565.11	-1272.65-288.02
			114	2.12	15.61	4.45	15.35	4.71	1.69	-417.29	-1853.86	-637.39	-1633.76-517.44
	81	15	94	4.80	-80.01	-103.68	-101.23	-82.46	-7.21	1718.31	-2297.77	-2295.38	1715.91-98.04
			95	5.07	-55.24	-126.14	-97.30	-84.08	34.82	1875.46	-2244.70	-2160.31	1791.08583.57
			116	4.16	-78.07	-117.22	-96.91	-98.38	19.56	-1355.37	-2558.16	-2234.75	-1678.78533.29
			115	3.94	-97.58	-103.18	-99.96	-100.80	2.77	-1632.45	-2341.32	-2336.59	-1637.18-57.74
	81	101	94	5.25	-84.31	-106.01	-105.39	-84.93	-3.62	2414.24	-2163.38	-2163.26	2414.12-23.64
			95	5.60	-54.83	-133.49	-101.50	-86.83	38.64	2569.30	-2129.69	-2031.75	2471.36671.29
			116	3.94	-77.50	-124.23	-100.67	-101.06	23.36	-694.54	-2307.60	-2022.03	-980.12615.71
			115	3.58	-97.08	-109.80	-103.69	-103.19	6.35	-920.45	-2120.40	-2120.24	-920.6213.92
	81	155	94	3.87	-55.89	-68.40	-68.05	-56.24	-2.07	1747.05	-1674.33	-1673.60	1746.31-50.30
			95	4.10	-35.02	-87.75	-65.23	-57.55	26.08	1864.09	-1639.38	-1569.47	1794.18489.94
			116	2.86	-50.00	-81.51	-64.57	-66.94	15.71	-649.45	-1785.55	-1564.46	-870.54449.78
			115	2.62	-63.08	-72.10	-66.76	-68.42	4.43	-828.50	-1643.26	-1642.73	-829.04-20.82
	81	158	94	3.35	30.35	8.38	29.56	9.17	4.08	1053.42	-1781.96	-1757.90	1029.36-260.08
			95	3.30	31.17	8.95	31.12	9.00	1.02	1138.58	-1671.57	-1634.96	1101.97318.65
			116	2.40	31.01	10.67	30.99	10.69	0.58	-1347.67	-1937.94	-1647.13	-1638.49295.10
			115	2.43	29.93	9.99	29.72	10.20	2.04	-1449.22	-1917.70	-1742.46	-1624.47-226.69
	81	164	94	3.21	17.04	2.38	16.58	2.84	2.56	1050.78	-1759.75	-1735.67	1026.70-259.03
			95	3.17	18.66	2.15	18.28	2.52	2.45	1136.32	-1649.13	-1612.33	1099.51318.07
			116	2.24	19.10	3.18	19.03	3.25	1.01	-1331.10	-1920.73	-1623.33	-1628.51294.80
			115	2.27	17.88	2.62	17.74	2.76	1.45	-1435.21	-1898.71	-1719.23	-1614.69-225.78
	81	196	94	3.55	15.16	0.35	14.18	1.33	3.68	1512.22	-1666.31	-1654.31	1500.23-194.90
			95	3.54	16.73	0.04	15.87	0.90	3.68	1606.20	-1582.78	-1533.81	1557.24392.11
			116	1.97	17.17	1.34	16.84	1.66	2.24	-923.93	-1724.13	-1489.57	-1158.49364.25
			115	1.94	16.01	0.72	15.57	1.16	2.57	-1075.54	-1636.37	-1583.02	-1128.89-164.54
	81	219	94	3.44	17.46	6.40	16.95	6.91	2.31	1469.46	-1635.54	-1615.14	1449.05-250.91
			95	3.41	19.39	5.96	18.84	6.51	2.66	1551.24	-1535.05	-1496.14	1512.33344.35
			116	2.05	19.15	7.05	19.07	7.14	1.02	-1082.98	-1737.86	-1512.19	-1308.65311.23
			115	2.06	17.82	6.54	17.68	6.68	1.24	-1173.15	-1714.97	-1602.71	-1285.41-219.59
	82	15	95	5.04	-64.55	-102.97	-90.76	-76.76	17.89	1946.65	-2321.89	-2231.06	1855.82615.99
			96	4.43	-51.92	-154.43	-88.30	-118.05	49.05	2786.97	-680.66	-167.53	

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2129.15669.04											
	116	4.20	-79.63	-122.90	-100.21	-102.33	21.61	-1266.71	-2536.14	-2147.33	-
1655.52585.14											
82	103	95	5.49	-28.65	-72.79	-52.90	-48.54	21.96	2985.75	-1966.33	-1855.40
2874.82732.82											
	96	5.13	-22.67	-110.39	-49.99	-83.07	40.62	3778.06	-351.31	195.19	
3231.561399.30											
	117	3.20	-35.04	-89.16	-49.90	-74.30	24.15	9.24	-1750.60	-565.08	-
1176.28825.15											
	116	3.17	-38.52	-81.42	-55.81	-64.14	21.04	-302.58	-2010.55	-1663.70	-
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82	156	95	4.05	-17.38	-47.33	-32.84	-31.87	14.97	2148.88	-1538.37	-1459.27
2069.77534.26											
	96	3.76	-12.91	-73.00	-30.33	-55.58	27.26	2767.41	-294.93	119.68	
2352.801047.75											
	117	2.41	-21.47	-58.57	-30.81	-49.23	16.10	-81.80	-1430.83	-469.65	-
1042.99610.56											
	116	2.34	-23.84	-53.20	-34.67	-42.37	14.17	-378.34	-1585.98	-1316.76	-
647.56502.63											
82	159	95	3.31	-14.14	-29.29	-19.93	-23.50	7.36	1322.86	-1741.61	-1688.58
1269.83399.61											
	96	2.89	-7.69	-49.21	-16.72	-40.18	17.13	1988.01	-487.00	-100.25	
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	117	2.65	-14.86	-38.28	-18.87	-34.27	8.82	-557.16	-1993.58	-741.12	-
1809.63479.99											
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1463.95384.46											
82	164	95	3.27	18.62	3.28	18.21	3.69	2.46	1190.35	-1708.60	-1667.47
1149.22342.84											
	96	2.75	22.52	-1.55	22.45	-1.47	1.37	1869.36	-459.52	-78.37	
1488.21861.62											
	117	2.32	18.47	2.27	18.47	2.27	9.97e-03	-549.21	-2088.78	-696.97	-
1941.02453.49											
	116	2.21	19.09	2.84	19.01	2.91	1.07	-1248.10	-1918.67	-1557.17	-
1609.61334.26											
82	192	95	3.62	18.67	0.13	16.60	2.20	5.84	1674.44	-1604.96	-1545.36
1614.83438.09											
	96	3.22	21.20	-7.03	20.43	-6.26	4.58	2331.59	-369.76	37.74	
1924.09966.82											
	117	2.09	16.54	-2.92	16.29	-2.68	2.18	-300.15	-1749.10	-550.67	-
1498.58547.93											
	116	1.93	18.03	0.53	17.37	1.19	3.32	-830.98	-1711.37	-1404.82	-
1137.53419.41											
82	219	95	3.52	19.33	7.17	18.83	7.66	2.40	1605.27	-1594.65	-1551.46
1562.07369.27											
	96	3.07	23.19	1.99	23.07	2.12	1.62	2252.50	-328.48	39.57	
1884.45902.48											
	117	2.07	18.65	5.92	18.65	5.92	0.02	-405.28	-1823.13	-588.72	-
1639.69475.86											
	116	2.02	19.04	6.70	18.95	6.79	1.00	-1008.40	-1727.16	-1445.67	-
1289.88350.84											
83	15	97	5.82	-24.26	-121.77	-24.73	-121.30	6.71	3542.35	-708.93	845.23
1988.19-2047.38											
	98	5.66	-38.29	-66.63	-53.27	-51.65	14.15	2319.75	-2757.84	-1923.23	
1485.13-1881.82											
	120	4.89	-54.96	-83.78	-68.19	-70.56	14.36	-194.65	-3804.23	-2134.86	-
1864.02-1799.70											
	119	4.54	-69.41	-96.89	-77.15	-89.15	12.36	116.09	-3204.07	-740.79	-
2347.19-1452.84											
83	73	97	5.98	61.17	0.16	55.10	6.23	-18.26	4163.15	-590.06	1175.96
2397.13-2296.83											
	98	6.01	68.19	5.67	56.40	17.46	-24.46	2890.15	-2535.98	-1556.88	
1911.05-2086.64											
	120	4.95	61.01	9.46	49.79	20.68	-21.28	355.68	-3605.33	-1740.72	-
1508.93-1977.11											
	119	4.75	53.60	-1.59	45.13	6.88	-19.89	669.99	-3066.21	-375.32	-
2020.90-1677.14											

83	145	97	4.41	7.30	-58.82	5.79	-57.32	-9.87	3181.81	-437.07	868.42
1876.32-1737.84											
		98	4.51	-1.72	-24.04	-5.78	-19.98	-8.61	2222.59	-1978.34	-1244.20
1488.46-1595.34											
		120	3.87	-13.25	-30.39	-16.28	-27.37	-6.54	285.12	-2779.35	-1397.31
-											
1096.91-1524.86											
		119	3.59	-19.65	-44.96	-21.62	-43.00	-6.78	492.66	-2298.39	-336.39
-											
1469.33-1275.38											
83	159	97	3.90	7.24	-38.76	7.20	-38.72	1.23	2655.50	-546.30	695.75
1413.44-1560.16											
		98	4.07	-2.69	-11.69	-3.13	-11.25	1.94	1689.61	-2051.32	-1409.25
1047.53-1410.57											
		120	3.47	-8.24	-17.44	-8.60	-17.08	1.77	-211.71	-2875.12	-1549.59
-											
1537.24-1331.69											
		119	3.33	-13.49	-26.20	-13.69	-26.00	1.59	91.50	-2518.78	-495.34
-											
1931.94-1089.70											
83	164	97	3.66	27.39	2.89	27.26	3.02	-1.78	2604.82	-549.43	730.61
1324.78-1548.89											
		98	3.90	27.25	9.09	25.81	10.53	-4.90	1617.62	-1998.24	-1355.60
974.97-1382.29											
		120	3.38	26.78	9.52	24.94	11.36	-5.32	-254.31	-2840.75	-1478.76
-											
1616.29-1291.39											
		119	3.29	22.48	5.31	21.22	6.57	-4.46	98.29	-2565.28	-438.38
-											
2028.60-1068.39											
83	188	97	4.09	31.66	-5.55	28.51	-2.40	-10.36	2868.36	-488.51	803.40
1576.45-1633.32											
		98	4.22	34.29	1.59	27.40	8.48	-13.34	1895.13	-1964.83	-1285.79
1216.09-1469.69											
		120	3.56	31.99	2.45	25.14	9.30	-12.47	-13.28	-2780.43	-1417.32
-											
1376.40-1383.42											
		119	3.45	26.86	-4.29	21.46	1.12	-11.80	277.82	-2429.63	-373.92
-											
1777.89-1157.49											
83	215	97	3.76	27.98	5.34	27.73	5.58	-2.34	2814.81	-319.63	843.01
1652.16-1514.10											
		98	3.94	27.86	11.61	26.09	13.38	-5.06	1832.44	-1849.90	-1271.69
1254.23-1339.72											
		120	3.27	27.00	11.62	24.76	13.85	-5.42	-124.67	-2688.52	-1403.24
-											
1409.96-1281.92											
		119	3.09	22.90	7.87	21.32	9.45	-4.61	219.30	-2346.64	-339.99
-											
1787.34-1059.39											
84	15	98	5.31	-51.59	-64.82	-51.92	-64.48	2.08	2195.65	-2646.74	-1861.41
1410.33-1784.96											
		99	5.23	-20.18	-78.14	-64.20	-34.12	24.77	1176.15	-3406.90	-2877.42
646.67-1465.02											
		121	5.01	-34.01	-82.99	-68.16	-48.84	22.50	-591.24	-4110.46	-3081.71
-											
1619.98-1600.64											
		120	4.82	-50.23	-78.21	-62.89	-65.55	13.92	-289.16	-3814.88	-2226.53
-											
1877.51-1754.20											
84	79	98	5.65	-51.17	-70.49	-52.97	-68.69	-5.62	2588.59	-2650.68	-1821.96
1759.86-1911.84											
		99	5.53	-29.02	-73.28	-65.36	-36.94	16.96	1469.56	-3402.23	-2826.66
893.99-1572.50											
		121	5.27	-42.87	-77.77	-68.92	-51.72	15.18	-269.48	-4142.77	-3049.86
-											
1362.39-1743.19											
		120	5.09	-59.35	-74.13	-63.65	-69.83	6.71	96.58	-3794.68	-2180.43
-											
1517.67-1917.20											
84	144	98	4.25	-30.45	-45.83	-31.81	-44.47	-4.37	1928.50	-2022.07	-1389.19
1295.63-1449.03											
		99	4.14	-17.78	-44.99	-40.22	-22.55	10.35	1079.70	-2591.36	-2157.35
645.69-1185.29											
		121	3.93	-26.72	-48.11	-42.58	-32.25	9.37	-261.18	-3153.62	-2322.08
-											
1092.72-1309.09											
		120	3.82	-37.31	-46.84	-39.13	-45.02	3.75	17.27	-2906.16	-1660.22
-											
1228.67-1445.70											
84	158	98	3.81	36.81	15.70	36.14	16.37	-3.70	1518.91	-1931.41	-1329.97
917.47-1308.98											
		99	3.69	39.12	16.71	35.44	20.39	-8.31	745.81	-2443.36	-2067.91
370.36-1027.81											
		121	3.55	37.77	20.34	35.22	22.89	-6.16	-620.03	-2966.43	-2190.31
-											

1396.16-1103.96										
120	3.46	35.97	16.59	34.41	18.15	-5.28	-347.70	-2864.22	-1572.82	-
1639.09-1257.82										
84 164 98	3.73	27.54	8.69	26.29	9.93	-4.69	1522.53	-1913.81	-1309.18	
917.90-1308.49										
99	3.60	28.97	11.75	25.14	15.58	-7.16	749.92	-2424.05	-2046.82	
372.70-1027.13										
121	3.44	28.11	13.91	25.26	16.76	-5.69	-605.19	-2944.58	-2166.31	-
1383.45-1102.26										
120	3.36	26.71	9.56	24.76	11.51	-5.44	-330.76	-2845.42	-1549.51	-
1626.68-1256.74										
84 188 98	3.98	31.76	2.68	26.58	7.86	-11.13	1753.31	-1934.09	-1318.03	
1137.25-1375.54										
99	3.76	34.68	5.15	25.36	14.47	-13.72	921.36	-2443.37	-2048.34	
526.32-1083.11										
121	3.44	33.52	7.68	25.61	15.58	-11.91	-428.99	-2979.32	-2184.52	-
1223.79-1181.23										
120	3.51	31.21	3.27	25.10	9.37	-11.54	-129.70	-2829.25	-1557.92	-
1401.03-1347.50										
84 212 98	3.73	27.71	9.13	25.92	10.92	-5.48	1543.97	-1913.30	-1334.48	
965.15-1290.78										
99	3.62	29.90	11.92	25.08	16.74	-7.96	765.88	-2443.22	-2084.71	
407.37-1010.91										
121	3.44	28.53	13.98	24.57	17.94	-6.48	-610.67	-2957.49	-2208.72	-
1359.44-1093.88										
120	3.33	26.85	9.80	24.11	12.53	-6.25	-339.32	-2831.65	-1579.24	-
1591.73-1246.15										
85 15 99	5.25	-29.07	-65.35	-58.64	-35.78	14.08	1183.78	-3377.16	-2829.66	
636.28-1482.35										
100	4.93	-8.65	-91.69	-73.14	-27.20	34.59	746.31	-3367.06	-2861.35	
240.60-1350.71										
122	4.59	-13.85	-91.39	-67.99	-37.25	35.59	-616.10	-3872.83	-3045.85	-
1443.08-1417.51										
121	4.94	-31.60	-77.64	-62.70	-46.54	21.56	-624.08	-4100.01	-3083.04	-
1641.06-1581.36										
85 79 99	5.67	-34.10	-65.17	-60.93	-38.35	10.68	1438.48	-3518.06	-2948.57	
868.98-1580.63										
100	5.28	-15.31	-91.07	-75.15	-31.24	30.87	923.15	-3521.49	-2994.50	
396.16-1436.86										
122	4.87	-21.11	-89.57	-69.25	-41.42	31.27	-424.14	-4001.26	-3144.55	-
1280.86-1526.63										
121	5.23	-37.63	-75.81	-64.21	-49.23	17.56	-365.72	-4203.83	-3167.91	-
1401.64-1703.77										
85 144 99	4.23	-21.09	-39.62	-37.25	-23.45	6.18	1059.76	-2665.67	-2233.92	
628.00-1192.51										
100	3.92	-8.71	-56.73	-47.13	-18.31	19.21	674.01	-2656.36	-2260.04	
277.69-1078.34										
122	3.61	-11.87	-56.08	-43.19	-24.76	20.09	-364.88	-3022.75	-2373.95	-
1013.68-1141.71										
121	3.90	-23.19	-46.83	-39.43	-30.59	10.96	-329.20	-3192.91	-2401.08	-
1121.03-1280.85										
85 158 99	3.68	38.19	17.76	35.13	20.83	-7.29	752.19	-2421.96	-2032.54	
362.76-1041.36										
100	3.24	41.48	14.76	32.59	23.65	-12.59	433.95	-2334.53	-1997.91	
97.33-904.77										
122	3.20	37.06	21.95	31.64	27.38	-7.25	-624.01	-2692.10	-2104.97	-
1211.14-932.48										
121	3.53	37.31	20.20	34.83	22.68	-6.03	-645.43	-2959.34	-2192.53	-
1412.24-1089.19										
85 164 99	3.57	28.99	12.09	25.24	15.84	-7.02	756.32	-2402.77	-2011.53	
365.07-1040.63										
100	3.18	30.97	10.16	22.29	18.83	-10.26	439.39	-2315.32	-1977.83	
101.90-903.21										
122	3.10	27.61	16.12	22.31	21.42	-5.73	-610.82	-2669.35	-2081.85	-
1198.32-929.64										
121	3.42	28.10	13.95	25.31	16.74	-5.62	-630.52	-2937.51	-2168.52	-
1399.51-1087.52										
85 191 99	3.51	33.81	13.53	28.99	18.35	-8.63	600.76	-2452.35	-2008.61	
157.02-1076.04										

100	3.17	36.37	11.44	26.05	21.76	-12.28	338.81	-2352.37	-1966.74	-46.82-942.91
122	3.17	32.33	16.91	25.04	24.19	-7.70	-696.42	-2746.69	-2092.06	-1351.04-955.84
121	3.55	32.02	15.09	28.04	19.07	-7.18	-769.19	-3079.63	-2237.35	-1611.46-1112.03
85 220 99	3.59	28.61	10.24	25.13	13.72	-7.20	590.98	-2520.74	-2074.42	144.66-1090.70
100	3.21	31.15	8.77	22.16	17.77	-10.97	332.10	-2395.60	-2005.82	-57.68-954.60
122	3.14	27.50	15.04	21.98	20.56	-6.19	-687.52	-2730.62	-2101.47	-1316.67-943.17
121	3.50	27.77	12.33	25.17	14.93	-5.77	-744.73	-3041.82	-2222.76	-1563.79-1100.27
86 15 100	4.99	-11.96	-75.96	-65.22	-22.70	23.92	779.21	-3373.95	-2847.52	252.78-1381.75
101	4.06	-10.59	-114.39	-86.05	-38.93	46.24	633.05	-2679.03	-2246.17	200.18-1116.38
123	3.91	-7.77	-96.87	-65.98	-38.65	42.40	-382.41	-2972.49	-2113.79	-1241.12-1219.32
122	4.58	-13.84	-88.11	-64.34	-37.61	34.65	-604.40	-3876.13	-3047.07	-1433.46-1423.07
86 79 100	5.28	-13.27	-74.74	-61.56	-26.45	25.23	932.63	-3584.09	-3047.04	395.58-1461.94
101	4.41	-15.28	-119.96	-89.09	-46.15	47.73	736.52	-2890.24	-2453.15	299.44-1180.74
123	4.17	-9.78	-99.89	-63.71	-45.96	44.17	-292.64	-3114.96	-2274.37	-1133.23-1290.67
122	4.90	-13.99	-88.86	-61.42	-41.43	36.07	-450.64	-4031.76	-3200.16	-1282.24-1512.12
86 144 100	3.93	-7.27	-45.84	-38.04	-15.07	15.49	683.72	-2698.87	-2293.79	278.64-1098.24
101	3.19	-9.77	-75.73	-56.99	-28.51	29.75	539.79	-2150.95	-1824.72	213.56-878.28
123	3.02	-4.94	-62.90	-40.40	-27.43	28.24	-247.04	-2327.54	-1686.64	-887.94-960.54
122	3.65	-7.22	-55.62	-38.04	-24.80	23.28	-381.55	-3043.28	-2411.27	-1013.56-1132.61
86 159 100	3.44	3.76	-9.43	-9.00	3.32	2.34	523.28	-2440.15	-2064.51	147.64-985.94
101	2.65	-0.89	-20.95	-18.46	-3.38	6.61	418.45	-1845.67	-1553.20	125.98-759.38
123	2.44	5.17	-17.61	-13.19	0.74	9.01	-340.67	-2064.73	-1428.76	-976.64-831.86
122	3.22	4.49	-14.13	-9.10	-0.53	8.27	-543.17	-2805.70	-2196.45	-1152.43-1003.63
86 164 100	3.21	30.92	10.79	22.48	19.22	-9.93	465.08	-2321.46	-1968.23	111.85-927.10
101	2.50	33.03	1.94	18.04	16.94	-15.53	366.08	-1681.18	-1419.66	104.56-683.39
123	2.17	29.78	9.81	15.54	24.04	-9.04	-371.58	-1899.77	-1277.93	-993.41-750.74
122	3.10	27.28	15.68	21.79	21.18	-5.79	-601.80	-2672.37	-2083.69	-1190.48-934.01
86 188 100	3.51	33.49	10.85	26.62	17.72	-10.41	560.18	-2499.48	-2136.01	196.71-989.94
101	2.74	31.86	-0.67	17.86	13.34	-16.11	428.74	-1859.96	-1592.40	161.18-735.37
123	2.33	28.73	9.86	18.28	20.31	-9.38	-335.55	-2023.35	-1426.45	-932.46-806.94
122	3.32	28.96	15.53	24.94	19.54	-6.15	-514.83	-2813.56	-2227.19	-1101.19-1002.03
86 220 100	3.23	30.89	9.54	22.31	18.13	-10.47	359.04	-2403.12	-1996.71	-47.37-978.47
101	2.53	33.94	1.11	17.69	17.36	-16.41	318.10	-1712.81	-1400.89	6.18-732.25
123	2.20	30.22	8.97	14.86	24.33	-9.51	-387.26	-1927.91	-1251.56	-1063.61-764.57
122	3.14	27.06	14.69	21.42	20.34	-6.16	-678.71	-2733.71	-2103.75	-

1308.68-947.48											
87	15	101	4.01	-15.09	-86.46	-67.08	-34.47	31.74	687.82	-2720.22	-2286.30
253.90-1136.01											
		102	2.41	-41.82	-134.08	-104.05	-71.85	43.23	129.25	-1044.55	-979.63
64.33-268.31											
		124	2.71	-19.51	-79.36	-55.53	-43.34	29.30	180.54	-1692.98	-303.03
1209.41-819.84											
		123	3.96	-9.05	-101.76	-68.15	-42.66	44.57	-337.10	-2952.29	-2087.47
1201.92-1230.35											
87	79	101	4.45	-14.36	-85.18	-58.87	-40.68	34.23	761.74	-2978.88	-2557.92
340.77-1182.14											
		102	2.65	-47.13	-138.12	-97.63	-87.62	45.22	117.01	-1304.83	-1266.36
78.54-230.69											
		124	2.40	-30.89	-82.44	-53.45	-59.88	25.57	8.47	-1706.52	-512.13
1185.92-788.54											
		123	4.13	-13.71	-100.10	-64.21	-49.60	42.57	-272.92	-3109.40	-2281.27
1101.05-1289.64											
87	144	101	3.25	-9.12	-52.46	-36.72	-24.86	20.84	562.08	-2214.63	-1898.86
246.32-881.52											
		102	1.77	-33.74	-86.56	-63.06	-57.25	26.25	79.94	-912.62	-889.20
56.53-150.63											
		124	1.72	-21.34	-49.93	-35.15	-36.11	14.29	43.59	-1267.77	-308.77
915.41-581.30											
		123	3.00	-7.69	-63.19	-40.92	-29.96	27.20	-229.49	-2321.48	-1688.45
862.51-961.02											
87	159	101	2.72	-1.44	-12.12	-11.65	-1.90	2.19	460.21	-1879.10	-1584.84
165.95-775.74											
		102	0.94	-18.38	-26.66	-26.05	-18.98	-2.16	49.34	-527.84	-517.66
39.16-76.00											
		124	1.68	1.95	-16.68	-16.47	1.73	-1.97	256.04	-1151.82	37.73
933.51-509.60											
		123	2.44	4.15	-19.84	-14.68	-1.00	9.85	-305.83	-2048.99	-1408.15
946.68-840.48											
87	164	101	2.55	32.75	3.06	18.90	16.91	-14.81	407.57	-1715.96	-1451.90
143.51-700.72											
		102	0.97	41.41	-17.42	15.23	8.77	-29.24	32.78	-338.78	-337.26
31.26 23.71											
		124	1.73	40.26	-8.11	3.60	28.55	-20.72	377.27	-1068.39	244.83
935.96-417.04											
		123	2.17	28.70	8.80	14.18	23.33	-8.83	-336.80	-1883.83	-1257.04
963.59-759.47											
87	176	101	2.78	42.12	4.76	27.46	19.42	-18.24	398.20	-1932.61	-1663.98
129.56-744.29											
		102	1.27	51.36	-17.67	23.29	10.40	-33.91	5.08	-552.08	-552.01
5.01 6.18											
		124	1.80	47.64	-10.00	7.77	29.88	-26.62	225.36	-1116.37	65.72
956.72-434.41											
		123	2.41	35.61	8.48	18.80	25.30	-13.17	-365.11	-2039.98	-1433.51
971.58-804.95											
87	212	101	2.62	34.06	2.35	18.48	17.92	-15.85	398.74	-1766.70	-1518.40
150.43-689.95											
		102	1.08	42.43	-18.76	14.71	8.96	-30.46	27.26	-430.18	-427.41
24.4935.50											
		124	1.70	40.67	-9.84	1.88	28.95	-21.32	300.66	-1076.45	166.24
942.02-408.72											
		123	2.22	29.78	7.59	13.05	24.32	-9.55	-366.21	-1921.30	-1326.30
961.21-755.82											
88	15	103	5.99	34.43	-135.45	21.82	-122.85	44.53	2327.52	-1916.77	167.23
243.51-2121.80											
		104	2.86	0.92	-157.61	-4.63	-152.06	29.13	456.42	-195.48	-50.59
311.53-271.04											
		127	1.68	3.26	-38.30	-2.07	-32.96	-13.90	27.94	-905.11	-8.09
869.08-179.79											
		126	4.11	-1.26	-87.73	-28.03	-60.96	39.98	1219.62	-1857.26	238.00
875.64-1434.14											
88	79	103	6.31	35.23	-155.03	23.25	-143.05	46.22	2427.73	-1980.50	164.65
282.58-2203.33											
		104	3.27	2.15	-177.35	-3.16	-172.03	30.42	559.76	-254.10	-53.36
359.02-350.83											

	127	1.94	0.20	-56.27	-2.73	-53.33	-12.53	72.78	-890.95	1.68	-819.84-251.93
	126	4.28	-5.70	-104.54	-28.69	-81.55	41.75	1307.42	-1896.40	245.87	-834.85-1508.02
88	144	103	4.61	24.43	-104.93	15.76	-96.26	32.36	1818.55	-1488.97	128.60	200.98-1653.36
	104	2.25	1.41	-119.96	-2.13	-116.42	20.41	405.44	-188.88	-40.96	257.52-256.97
	127	1.40	0.25	-36.32	-1.80	-34.27	-8.41	48.15	-693.39	0.66	-645.90-181.55
	126	3.15	-2.34	-69.34	-19.44	-52.23	29.21	960.71	-1434.22	185.28	-658.80-1120.63
88	159	103	3.77	15.93	-52.29	8.38	-44.74	21.41	1626.53	-1356.05	135.80	134.68-1491.29
	104	1.25	0.18	-59.86	-1.62	-58.06	10.26	289.07	-147.74	-39.75	181.08-188.44
	127	1.01	2.43	-8.53	-0.58	-5.52	-4.89	14.43	-730.95	-4.63	-711.88-117.69
	126	2.70	8.22	-30.16	-10.70	-11.25	19.19	788.64	-1344.82	170.16	-726.34-967.98
88	164	103	3.23	10.00	-14.74	1.95	-6.69	11.59	1501.62	-1265.92	141.28	94.43-1383.57
	104	0.54	-0.07	-13.08	-0.14	-13.01	0.96	242.31	-146.39	-40.39	136.30-173.11
	127	1.07	9.68	0.17	0.19	9.65	-0.45	10.33	-758.80	-3.42	-745.05-101.92
	126	2.46	20.66	-7.04	-2.40	16.01	10.35	677.79	-1284.20	160.29	-766.70-864.60
88	166	103	3.42	12.41	-15.98	2.75	-6.32	13.45	1580.71	-1326.66	144.90	109.15-1453.58
	104	0.69	1.25	-12.57	0.82	-12.14	2.40	319.04	-201.21	-35.79	153.62-242.27
	127	1.12	10.41	-1.28	-1.05	10.18	1.61	41.70	-762.71	6.07	-727.08-165.51
	126	2.63	22.37	-10.08	-3.79	16.07	12.84	745.06	-1328.32	168.40	-751.66-929.03
88	206	103	3.23	10.53	-13.34	2.03	-4.84	11.43	1499.44	-1271.84	139.43	88.17-1385.40
	104	0.51	-0.10	-10.26	-0.21	-10.15	1.03	238.43	-146.79	-40.36	132.00-172.25
	127	1.11	12.90	0.18	0.21	12.87	-0.52	10.24	-759.32	-3.49	-745.59-101.87
	126	2.49	22.58	-7.26	-2.65	17.97	10.79	681.23	-1289.98	159.96	-768.71-869.37
89	15	105	3.15	57.70	-2.11	-0.75	56.33	-8.93	-8.10	-1892.65	-67.31	-1833.44328.75
	106	7.63	92.71	-47.30	8.46	36.95	-68.54	2101.21	-3409.05	406.52	-1714.362542.88
	129	8.46	144.00	-32.27	-18.46	130.19	-47.37	1035.73	-4425.22	352.87	-3742.351806.32
	128	7.39	194.08	-3.17	-3.14	194.04	2.55	-23.84	-3772.31	-38.20	-3757.94231.61
89	35	105	3.51	74.38	-0.36	0.97	73.05	-9.88	-52.05	-2023.55	-92.60	-1983.01279.80
	106	7.70	102.26	-44.04	9.22	49.00	-70.40	2006.23	-3460.88	385.94	-1840.602496.59
	129	8.77	157.07	-38.15	-22.42	141.34	-53.14	992.76	-4511.94	344.15	-3863.341774.74
	128	7.81	209.86	-6.15	-6.12	209.84	-2.29	-33.62	-3912.48	-43.89	-3902.21199.32
89	122	105	2.55	52.57	-0.27	0.58	51.72	-6.65	-35.75	-1486.03	-67.87	-1453.91213.42
	106	5.67	72.76	-29.28	6.95	36.53	-48.83	1517.08	-2570.66	293.41	-1346.991872.08
	129	6.34	111.66	-27.00	-16.12	100.78	-37.28	744.40	-3268.05	268.21	-2791.871297.66
	128	5.57	147.54	-3.95	-3.93	147.52	-1.66	-25.04	-2819.71	-32.97	-2811.77148.72
89	159	105	1.94	31.93	-0.84	-0.51	31.60	-3.26	-5.56	-1214.72	-48.53	-

1171.75223.86											
	106	4.82	50.39	-15.43	6.21	28.75	-30.92	1464.91	-2257.05	288.99	-
1081.131730.30											
	129	4.90	77.58	-17.47	-11.15	71.27	-23.67	696.40	-2580.77	282.41	-
2166.771088.74											
	128	4.01	97.09	-0.41	-0.41	97.09	0.30	-18.69	-2156.24	-28.50	-
2146.42144.51											
89	164	105	1.57	22.64	-0.47	-0.46	22.63	-0.50	-4.74	-1030.61	-46.04	-
989.30201.67											
	106	4.01	35.80	-0.83	5.98	28.99	-14.25	1349.66	-1978.23	270.85	-
899.421557.66											
	129	3.67	52.35	-11.98	-8.82	49.18	-13.91	619.72	-1951.26	290.80	-
1622.33858.76											
	128	2.74	57.20	1.11	1.13	57.19	-0.98	-18.78	-1586.30	-27.83	-
1577.25118.78											
89	183	105	1.81	33.97	0.21	0.21	33.97	-0.30	8.89	-1097.51	-39.53	-
1049.09226.32											
	106	4.14	44.60	1.11	6.38	39.33	-14.19	1366.20	-2026.10	280.17	-
940.071582.62											
	129	3.87	62.00	-11.62	-8.91	59.29	-13.87	648.61	-2007.35	302.63	-
1661.38893.98											
	128	2.99	68.28	0.06	0.07	68.26	-0.87	-3.18	-1650.05	-17.69	-
1635.53153.91											
89	200	105	1.58	21.92	-0.30	-0.28	21.90	-0.65	-0.75	-1041.85	-45.98	-
996.62212.23											
	106	4.22	35.43	-2.51	5.07	27.84	-15.17	1442.02	-2073.62	275.48	-
907.081655.39											
	129	3.75	49.43	-10.82	-8.23	46.84	-12.24	687.06	-2025.95	291.81	-
1630.70957.13											
	128	2.71	55.98	1.04	1.06	55.97	-0.88	-18.20	-1582.20	-29.41	-
1570.99131.94											
90	15	106	7.32	46.26	-46.67	-29.48	29.06	-36.09	2180.43	-3625.07	398.71	-
1843.342677.55											
	107	8.10	78.66	-123.37	13.47	-58.18	-94.44	1996.02	-3846.45	460.17	-
2310.602571.83											
	130	8.34	71.87	-125.70	6.38	-60.21	-93.01	-374.67	-6201.54	-1173.89	-
5402.312004.55											
	129	8.54	154.21	-28.40	0.81	125.00	-66.93	928.79	-4468.21	282.05	-
3821.471752.77											
90	35	106	7.50	59.52	-51.05	-32.00	40.47	-41.75	2281.07	-3492.47	702.11	-
1913.512573.54											
	107	8.10	87.19	-128.97	9.86	-51.64	-103.62	2151.03	-3541.04	783.63	-
2173.632431.78											
	130	8.43	76.19	-137.90	-6.97	-54.74	-104.34	-238.19	-5993.62	-961.71	-
5270.101908.05											
	129	8.95	165.98	-42.67	-11.35	134.67	-74.52	1049.49	-4486.32	473.77	-
3910.611689.85											
90	122	106	5.46	40.25	-31.63	-21.82	30.45	-24.67	1705.91	-2611.40	502.04	-
1407.531936.02											
	107	5.86	58.69	-83.45	7.88	-32.64	-68.12	1608.58	-2652.77	584.23	-
1628.421820.94											
	130	6.14	52.10	-90.32	-3.75	-34.47	-69.54	-202.83	-4447.44	-730.54	-
3919.731400.52											
	129	6.42	115.50	-27.38	-7.90	96.02	-49.03	785.08	-3259.30	359.47	-
2833.691241.04											
90	159	106	4.38	24.49	-11.98	-11.92	24.43	1.42	1518.96	-2416.54	277.26	-
1174.841828.90											
	107	4.71	28.64	-30.39	10.05	-11.80	-27.42	1406.63	-2522.91	416.08	-
1532.351706.23											
	130	5.02	29.33	-34.86	5.93	-11.47	-30.89	-312.67	-3986.27	-771.28	-
3527.671214.25											
	129	4.78	73.33	-6.27	-1.13	68.19	-19.56	673.36	-2630.90	279.41	-
2236.951070.75											
90	164	106	4.21	39.16	-16.84	-3.70	26.02	23.74	1398.48	-2132.67	254.74	-
988.931652.45											
	107	3.86	18.99	4.21	9.81	13.40	7.17	1309.20	-2190.61	463.56	-
1344.981498.16											
	130	4.12	15.18	6.71	6.71	15.18	0.19	-328.96	-3389.05	-670.55	-
3047.46963.65											

129	3.44	47.27	-2.94	-2.47	46.80	4.85	641.94	-2014.41	327.17	-
1699.64858.53											
90 173 106	4.52	39.66	-18.50	-2.48	23.64	25.98	1443.24	-2283.72	120.09	-
960.581783.43											
107	4.17	27.61	4.01	11.43	20.19	10.96	1324.46	-2403.05	328.78	-
1407.371649.25											
130	4.32	24.40	11.25	13.27	22.37	4.74	-321.26	-3552.58	-761.71	-
3112.131108.71											
129	3.38	45.90	2.26	3.65	44.51	7.68	654.00	-2081.64	236.29	-
1663.93983.99											
90 200 106	4.38	37.61	-13.93	-1.64	25.32	21.97	1388.30	-2304.50	110.12	-
1026.321756.80											
107	4.03	18.29	2.37	7.61	13.05	7.49	1238.32	-2393.27	242.44	-
1397.381620.14											
130	4.24	13.90	11.60	12.15	13.34	0.98	-548.29	-3613.60	-969.87	-
3192.011055.73											
129	3.50	44.49	-2.61	-2.24	44.12	4.18	615.78	-2122.59	225.95	-
1732.76956.83											
91 15 107	7.90	51.35	-148.50	-33.64	-63.52	-98.80	1823.98	-3673.43	499.47	-
2348.922350.97											
108	5.00	41.36	-156.57	-5.99	-109.21	-84.44	133.92	-3077.59	-533.20	-
2410.481302.85											
131	8.45	28.68	-165.78	-1.70	-135.39	-70.61	-1260.92	-6481.32	-1832.67	-
5909.571630.29											
130	8.12	85.12	-114.30	27.57	-56.75	-90.36	-377.88	-6142.48	-1072.21	-
5448.151876.28											
91 101 107	7.96	39.72	-156.58	-34.58	-82.28	-95.21	1785.09	-3929.32	436.05	-
2580.282426.74											
108	4.95	38.81	-172.55	-6.89	-126.84	-87.02	-45.44	-3294.01	-609.82	-
2729.621230.81											
131	9.00	25.23	-183.78	-4.89	-153.66	-73.40	-1425.34	-6751.63	-1938.56	-
6238.411571.67											
130	7.96	73.97	-125.95	24.17	-76.14	-86.46	-517.74	-6332.61	-1160.76	-
5689.581823.63											
91 155 107	5.74	26.43	-101.82	-22.41	-52.99	-62.27	1348.43	-2897.70	353.74	-
1903.011798.38											
108	3.51	27.10	-113.15	-3.06	-82.99	-57.63	-47.46	-2424.18	-452.10	-
2019.53893.30											
131	6.55	18.99	-120.93	-0.83	-101.10	-48.79	-1113.13	-5021.17	-1469.03	-
4665.261124.38											
130	5.82	51.63	-81.56	18.10	-48.04	-57.80	-394.18	-4668.54	-859.20	-
4203.521330.95											
91 159 107	4.51	17.09	-38.79	-8.46	-13.25	-27.84	1281.16	-2406.71	434.41	-
1559.961551.04											
108	2.64	18.96	-44.14	4.52	-29.70	-26.51	-30.53	-1993.38	-371.34	-
1652.58743.50											
131	5.18	18.79	-48.48	9.75	-39.44	-22.94	-1110.89	-4372.52	-1361.69	-
4121.73868.97											
130	4.93	38.40	-28.07	17.65	-7.32	-30.80	-334.75	-3945.95	-720.16	-
3560.551115.00											
91 164 107	3.63	19.51	-0.66	4.86	13.99	8.99	1189.09	-2087.45	472.81	-
1371.161354.21											
108	2.09	14.56	8.76	11.50	11.83	2.89	-124.86	-1715.18	-341.65	-
1498.39545.69											
131	4.35	18.34	9.90	18.21	10.04	1.06	-1197.98	-3924.38	-1324.94	-
3797.42574.48											
130	4.11	20.71	14.68	14.93	20.46	-1.20	-365.07	-3353.61	-640.15	-
3078.53863.96											
91 190 107	4.00	16.19	-10.58	5.11	0.51	13.18	1113.71	-2314.55	347.76	-
1548.601428.01											
108	2.28	12.63	0.55	11.92	1.26	2.84	-290.22	-1935.29	-478.10	-
1747.41523.23											
131	4.57	16.61	-0.95	16.53	-0.88	1.16	-1373.48	-4169.03	-1488.42	-
4054.08555.09											
130	4.05	14.51	4.92	12.99	6.44	3.50	-524.87	-3528.45	-789.56	-
3263.76851.44											
91 200 107	3.76	19.20	0.23	5.47	13.95	8.49	1100.58	-2275.11	251.64	-
1426.171464.60											
108	2.21	15.20	7.29	11.15	11.34	3.96	-272.69	-1887.22	-563.13	-

1596.78620.14											
	131	4.49	17.77	8.87	16.70	9.94	2.91	-1419.34	-4095.46	-1578.82	-
3935.98633.54											
	130	4.21	18.75	15.72	16.07	18.40	0.97	-586.45	-3559.19	-926.52	-
3219.12946.20											
92 15	108	5.24	32.62	-178.20	-31.21	-114.37	-96.86	53.86	-3028.51	-635.50	-
2339.161284.38											
	109	4.21	-1.48	-151.30	-36.01	-116.76	-63.10	-893.19	-3129.64	-1883.51	-
2139.311110.89											
	132	8.05	-11.91	-160.85	-26.30	-146.47	-44.00	-1859.14	-6149.98	-2449.98	-
5559.141478.55											
	131	8.29	30.82	-158.32	2.00	-129.51	-67.97	-1273.46	-6381.87	-1824.97	-
5830.361585.30											
92 101	108	5.17	27.15	-194.86	-34.98	-132.73	-99.66	-123.17	-3233.55	-699.24	-
2657.481208.28											
	109	4.18	-4.09	-162.70	-38.50	-128.29	-65.37	-1035.32	-3175.97	-1823.46	-
2387.831032.45											
	132	8.54	-18.95	-170.05	-30.61	-158.39	-40.32	-1791.90	-6409.63	-2394.46	-
5807.071555.43											
	131	8.93	20.20	-172.15	-3.67	-148.27	-63.42	-1314.72	-6718.44	-1884.85	-
6148.301660.06											
92 155	108	3.64	19.07	-127.89	-21.82	-87.00	-65.85	-109.60	-2379.07	-523.37	-
1965.30876.26											
	109	3.00	-1.44	-106.74	-23.79	-84.38	-43.06	-833.99	-2358.46	-1405.35	-
1787.09737.95											
	132	6.26	-10.03	-112.13	-17.51	-104.65	-26.61	-1437.57	-4802.37	-1841.27	-
4398.671093.34											
	131	6.49	15.79	-113.12	7.72e-03	-97.33	-42.26	-1042.55	-4989.18	-1432.68	-
4599.041177.92											
92 159	108	2.64	14.94	-50.77	-4.04	-31.80	-29.78	-101.26	-1956.42	-454.99	-
1602.69728.77											
	109	2.31	5.01	-43.12	-4.03	-34.07	-18.80	-904.59	-2072.26	-1434.12	-
1542.73581.30											
	132	5.08	7.05	-48.35	3.54	-44.83	-13.51	-1639.18	-4312.59	-1857.75	-
4094.02732.50											
	131	5.08	20.08	-45.70	11.11	-36.73	-22.57	-1122.38	-4303.60	-1356.79	-
4069.20831.11											
92 164	108	1.98	15.62	6.77	11.23	11.16	4.42	-203.67	-1677.73	-429.10	-
1452.30530.55											
	109	2.05	16.12	6.50	14.07	8.56	3.94	-1070.51	-1816.38	-1422.85	-
1464.04372.37											
	132	4.36	21.99	6.77	21.71	7.05	2.04	-1755.87	-4036.00	-1837.21	-
3954.66422.91											
	131	4.30	18.42	11.36	18.42	11.37	0.15	-1208.62	-3863.52	-1320.82	-
3751.31534.13											
92 190	108	2.21	11.31	-1.61	9.55	0.16	4.44	-358.91	-1890.45	-549.47	-
1699.89505.51											
	109	2.13	14.54	0.42	13.30	1.67	4.00	-1210.89	-1929.42	-1466.81	-
1673.49344.08											
	132	4.60	20.92	-1.89	19.15	-0.12	6.10	-1789.25	-4264.63	-1889.36	-
4164.53487.63											
	131	4.55	16.58	-1.41	15.01	0.17	5.08	-1310.47	-4132.75	-1443.96	-
3999.26599.10											
92 216	108	2.15	17.29	5.98	12.07	11.19	5.64	-280.29	-1853.98	-526.57	-
1607.70571.76											
	109	2.24	17.13	4.75	14.80	7.08	4.84	-1189.02	-2011.48	-1533.19	-
1667.32405.73											
	132	4.51	22.77	5.33	22.25	5.84	2.95	-1866.01	-4195.42	-1947.26	-
4114.16427.40											
	131	4.42	19.03	11.13	18.83	11.33	1.24	-1304.85	-3994.65	-1419.65	-
3879.85543.70											
93 15	109	4.43	-4.24	-163.30	-48.50	-119.03	-71.29	-870.60	-3168.64	-1915.79	-
2123.441144.32											
	110	4.52	-38.48	-131.26	-55.53	-114.21	-35.94	-675.41	-3687.11	-2351.02	-
2011.501496.25											
	133	7.84	-46.08	-142.25	-51.19	-137.14	-21.57	-2039.18	-6036.00	-2721.24	-
5353.941503.62											
	132	7.93	-13.24	-157.66	-28.17	-142.73	-43.97	-1890.78	-6099.55	-2478.99	-
5511.341459.33											

93	101	109	4.23	-14.70	-170.54	-54.05	-131.20	-67.70	-1019.07	-3217.19	-1864.14	-2372.121069.30
		110	4.81	-46.40	-136.33	-60.29	-122.44	-32.50	-665.98	-3810.72	-2307.45	-2169.241570.85
		133	8.21	-52.79	-148.40	-55.84	-145.35	-16.80	-1943.32	-6228.41	-2663.68	-5508.051602.46
		132	8.43	-22.11	-166.38	-33.62	-154.87	-39.09	-1819.75	-6365.47	-2431.16	-5754.061550.96
93	155	109	3.05	-8.59	-111.88	-34.16	-86.31	-44.58	-821.38	-2390.21	-1435.86	-1775.72765.79
		110	3.52	-29.53	-89.47	-38.20	-80.80	-21.08	-578.47	-2851.95	-1777.95	-1652.471135.01
		133	6.07	-32.47	-98.02	-34.21	-96.28	-10.54	-1564.36	-4705.60	-2047.65	-4222.311133.39
		132	6.18	-12.10	-109.66	-19.48	-102.29	-25.79	-1459.75	-4767.86	-1868.35	-4359.271088.45
93	159	109	2.38	3.68	-46.70	-8.23	-34.79	-21.41	-888.98	-2103.94	-1459.30	-1533.62606.35
		110	2.87	-6.78	-37.79	-10.02	-34.54	-9.49	-793.70	-2555.77	-1802.17	-1547.30871.77
		133	5.15	-3.76	-43.58	-4.25	-43.09	-4.39	-1801.90	-4383.89	-2062.49	-4123.29777.78
		132	5.02	6.71	-47.12	3.07	-43.49	-13.50	-1663.51	-4275.86	-1878.53	-4060.84717.96
93	164	109	2.08	16.27	6.36	14.01	8.62	4.15	-1055.88	-1849.72	-1448.29	-1457.31396.89
		110	2.58	16.79	4.40	14.97	6.22	4.38	-1002.28	-2342.36	-1797.35	-1547.29658.27
		133	4.53	23.89	3.35	22.62	4.62	4.95	-1930.51	-4235.48	-2038.96	-4127.03488.08
		132	4.33	22.27	6.93	21.99	7.21	2.03	-1779.01	-4002.04	-1856.82	-3924.23408.56
93	190	109	2.10	15.68	-3.33	11.02	1.33	8.17	-1193.00	-1948.63	-1477.68	-1663.94366.15
		110	2.69	16.76	-2.97	12.49	1.31	8.13	-1042.56	-2485.69	-1833.41	-1694.84718.23
		133	4.77	23.70	-4.16	19.85	-0.32	9.60	-1941.44	-4411.01	-2078.40	-4274.05565.22
		132	4.56	21.02	-2.36	18.75	-0.09	6.93	-1801.40	-4228.65	-1901.46	-4128.58482.57
93	216	109	2.27	17.45	4.54	14.83	7.16	5.20	-1176.23	-2042.48	-1558.14	-1660.57430.08
		110	2.76	17.37	2.01	15.60	3.78	4.90	-1168.80	-2537.73	-1916.17	-1790.36681.57
		133	4.70	24.61	1.09	23.18	2.51	5.61	-2050.97	-4420.10	-2155.81	-4315.25487.23
		132	4.48	23.08	5.46	22.54	5.99	3.03	-1888.97	-4161.73	-1966.67	-4084.02412.99
94	15	110	4.62	-38.64	-140.31	-63.37	-115.58	-43.62	-652.39	-3702.34	-2349.05	-2005.681515.28
		111	5.22	-62.59	-122.39	-66.82	-118.15	-15.34	-44.76	-3801.08	-1801.89	-2043.951874.25
		134	8.19	-71.40	-132.37	-72.01	-131.77	-6.02	-1823.15	-6223.57	-2428.13	-5618.601515.31
		133	7.81	-48.39	-142.08	-54.10	-136.36	-22.42	-2040.98	-6025.89	-2714.71	-5352.161493.60
94	101	110	4.81	-49.55	-143.25	-68.85	-123.95	-37.89	-632.81	-3824.62	-2298.27	-2159.161594.39
		111	5.58	-70.64	-127.78	-72.23	-126.19	-9.40	20.11	-3920.73	-1742.18	-2158.441959.40
		134	8.55	-76.82	-139.69	-76.82	-139.69	0.08	-1685.39	-6386.56	-2338.27	-5733.681625.75
		133	8.19	-55.91	-147.69	-58.99	-144.62	-16.52	-1924.73	-6214.62	-2636.40	-5502.941595.79
94	155	110	3.52	-31.74	-93.96	-43.90	-81.80	-24.67	-554.03	-2862.93	-1771.51	-1645.451152.73
		111	4.10	-45.30	-84.53	-46.14	-83.69	-5.68	-61.90	-2951.30	-1345.09	-1668.111435.65
		134	6.37	-48.68	-92.74	-48.70	-92.72	0.99	-1358.60	-4866.82	-1798.20	-

4427.211161.45											
	133	6.05	-34.58	-97.53	-36.32	-95.79	-10.33	-1551.56	-4695.62	-2028.58	-
4218.601127.93											
94 159	110	2.86	-7.39	-40.22	-12.64	-34.97	-12.03	-776.17	-2568.08	-1800.15	-
1544.10886.76											
	111	3.34	-13.44	-37.82	-13.72	-37.54	-2.60	-335.56	-2700.75	-1381.11	-
1655.201174.63											
	134	5.57	-13.18	-42.33	-13.32	-42.19	1.98	-1582.87	-4686.86	-1826.63	-
4443.10834.99											
	133	5.14	-4.73	-43.37	-5.28	-42.82	-4.56	-1800.92	-4377.05	-2056.55	-
4121.42770.18											
94 164	110	2.59	16.83	4.41	14.97	6.27	4.43	-984.98	-2355.03	-1794.94	-
1545.07673.53											
	111	2.84	16.58	1.77	15.10	3.25	4.44	-562.71	-2533.23	-1377.32	-
1718.61970.37											
	134	5.04	21.53	0.38	18.85	3.05	7.03	-1676.61	-4654.24	-1795.15	-
4535.70582.16											
	133	4.53	23.88	3.28	22.51	4.65	5.13	-1927.23	-4229.85	-2032.32	-
4124.76480.56											
94 194	110	2.73	18.01	-4.42	11.99	1.60	9.93	-995.93	-2484.61	-1807.18	-
1673.36741.33											
	111	3.16	17.48	-6.76	12.12	-1.41	10.06	-539.76	-2663.27	-1384.23	-
1818.801039.28											
	134	5.31	22.84	-8.15	16.22	-1.53	12.70	-1645.53	-4787.16	-1794.94	-
4637.75668.62											
	133	4.76	24.55	-4.62	19.88	0.05	10.70	-1903.69	-4387.76	-2039.09	-
4252.36563.91											
94 216	110	2.77	17.53	1.95	15.64	3.84	5.09	-1151.43	-2550.48	-1913.74	-
1788.17696.70											
	111	3.08	16.78	-0.95	15.48	0.35	4.62	-735.34	-2763.26	-1504.70	-
1993.90984.01											
	134	5.29	21.90	-2.22	19.33	0.36	7.45	-1803.48	-4860.38	-1916.63	-
4747.23577.13											
	133	4.70	24.66	0.98	23.09	2.55	5.88	-2047.63	-4414.64	-2149.13	-
4313.13479.54											
95 15	111	5.17	-63.69	-128.28	-72.57	-119.40	-22.24	11.23	-3819.02	-1753.36	-
2054.431909.20											
	112	5.41	-70.29	-134.20	-70.90	-133.58	-6.26	535.38	-3334.09	-517.24	-
2281.481721.93											
	135	8.66	-88.74	-133.50	-88.76	-133.49	-0.83	-1539.36	-6489.67	-1900.36	-
6128.681287.14											
	134	8.21	-73.95	-133.37	-74.90	-132.42	-7.46	-1796.52	-6237.54	-2380.89	-
5653.181501.23											
95 101	111	5.54	-72.39	-131.30	-76.54	-127.16	-15.07	116.16	-3913.69	-1627.17	-
2170.361996.53											
	112	5.66	-75.13	-142.73	-75.14	-142.72	0.73	743.31	-3292.14	-382.05	-
2166.781809.67											
	135	8.80	-92.83	-143.38	-93.49	-142.72	5.73	-1346.73	-6431.46	-1764.22	-
6013.971395.89											
	134	8.58	-79.36	-140.28	-79.37	-140.27	-0.72	-1628.14	-6394.64	-2253.79	-
5769.001609.56											
95 155	111	4.07	-46.65	-86.71	-49.02	-84.35	-9.45	8.36	-2948.91	-1263.41	-
1677.141464.10											
	112	4.18	-48.04	-95.16	-48.06	-95.14	0.99	492.46	-2510.55	-306.83	-
1711.261327.18											
	135	6.61	-59.95	-95.47	-60.56	-94.86	4.60	-1082.02	-4958.02	-1358.87	-
4681.17998.22											
	134	6.39	-50.45	-93.12	-50.45	-93.11	0.47	-1316.09	-4874.69	-1736.93	-
4453.861149.12											
95 159	111	3.35	-14.64	-39.01	-15.66	-38.00	-4.87	-290.91	-2716.02	-1343.62	-
1663.311201.97											
	112	3.53	-14.98	-44.51	-14.98	-44.51	0.07	176.72	-2464.85	-393.97	-
1894.161087.12											
	135	6.08	-21.65	-43.70	-22.07	-43.28	3.02	-1268.61	-5039.70	-1410.03	-
4898.28716.45											
	134	5.59	-14.43	-42.52	-14.52	-42.44	1.54	-1556.75	-4700.88	-1789.84	-
4467.79823.74											
95 164	111	2.89	16.56	1.68	15.06	3.19	4.49	-516.59	-2549.89	-1339.70	-
1726.77998.06											
	112	3.08	16.17	-0.86	15.28	0.03	3.80	15.71	-2407.28	-390.99	-

2000.58905.55											
	135	5.68	15.75	-0.34	13.25	2.15	5.82	-1301.60	-5107.75	-1370.43	-
5038.92507.19											
	134	5.07	21.21	0.23	18.44	3.00	7.11	-1646.24	-4670.71	-1758.01	-
4558.94570.57											
95	185	111	3.18	21.96	2.26	17.02	7.20	8.54	-568.47	-2771.10	-1463.73	-
1875.841081.87											
	112	3.27	21.22	1.28	17.45	5.05	7.81	-66.40	-2591.00	-515.05	-
2142.35965.08											
	135	5.81	22.44	0.42	15.64	7.23	10.18	-1406.75	-5275.26	-1500.72	-
5181.30595.55											
	134	5.25	27.18	0.51	20.62	7.07	11.49	-1742.24	-4854.37	-1888.17	-
4708.44657.91											
95	216	111	3.12	16.85	-1.10	15.45	0.31	4.82	-688.38	-2780.98	-1467.26	-
2002.101011.55											
	112	3.36	16.13	-3.78	15.34	-2.99	3.88	-141.04	-2685.56	-526.58	-
2300.02912.34											
	135	5.95	15.86	-3.15	13.60	-0.90	6.15	-1429.20	-5332.92	-1494.51	-
5267.61500.69											
	134	5.32	21.67	-2.40	18.95	0.32	7.62	-1772.92	-4877.11	-1879.58	-
4770.45565.44											
96	15	112	5.35	-77.70	-140.69	-81.63	-136.76	-15.23	584.08	-3343.25	-391.50	-
2367.661696.96											
	113	4.68	-73.82	-139.95	-75.25	-138.51	-9.64	269.48	-2562.99	127.13	-
2420.63618.83											
	136	8.60	-99.10	-135.79	-100.05	-134.84	-5.83	-1599.69	-6450.74	-1733.18	-
6317.25793.57											
	135	8.67	-87.06	-134.51	-87.29	-134.28	-3.30	-1523.57	-6493.84	-1857.34	-
6160.071243.99											
96	101	112	5.58	-82.71	-146.84	-84.03	-145.53	-9.08	866.98	-3266.33	-158.87	-
2240.481785.44											
	113	4.80	-77.38	-147.48	-77.63	-147.23	-4.18	538.32	-2448.43	366.06	-
2276.17696.28											
	136	8.66	-104.39	-143.95	-104.39	-143.95	-0.28	-1408.32	-6347.92	-1570.96	-
6185.28881.46											
	135	8.79	-91.48	-143.60	-91.64	-143.43	2.94	-1318.11	-6426.25	-1701.37	-
6042.991345.68											
96	155	112	4.14	-53.30	-97.73	-54.02	-97.02	-5.59	582.89	-2497.18	-145.31	-
1768.981308.68											
	113	3.57	-49.60	-98.34	-49.72	-98.23	-2.37	366.12	-1913.66	259.00	-
1806.55482.42											
	136	6.54	-68.05	-95.75	-68.05	-95.75	0.04	-1107.64	-4925.66	-1210.57	-
4822.72618.40											
	135	6.61	-59.16	-95.55	-59.37	-95.34	2.73	-1059.52	-4956.34	-1312.54	-
4703.32960.18											
96	159	112	3.55	-18.36	-45.93	-18.72	-45.58	-3.12	225.01	-2482.32	-297.96	-
1959.351068.81											
	113	3.16	-16.36	-46.56	-16.43	-46.49	-1.44	142.91	-2072.52	105.95	-
2035.55283.76											
	136	6.17	-26.74	-44.08	-26.80	-44.03	-0.96	-1230.98	-5117.99	-1271.60	-
5077.37395.26											
	135	6.10	-21.54	-43.78	-21.75	-43.57	2.16	-1249.89	-5047.63	-1376.85	-
4920.67682.66											
96	164	112	3.15	15.74	-0.74	14.98	0.02	3.46	73.22	-2433.67	-295.51	-
2064.94887.92											
	113	2.88	15.88	-1.17	15.28	-0.57	3.13	120.35	-2176.42	112.18	-
2168.25136.74											
	136	5.87	11.86	1.32	11.57	1.62	1.73	-1211.29	-5257.24	-1224.48	-
5244.04230.71											
	135	5.70	15.45	-0.38	12.97	2.11	5.76	-1278.04	-5119.10	-1337.19	-
5059.96472.94											
96	181	112	3.34	20.38	0.51	16.26	4.63	8.06	-55.46	-2637.37	-468.34	-
2224.48946.34											
	113	2.94	20.51	0.67	16.68	4.50	7.83	-40.89	-2341.27	-60.24	-
2321.92210.10											
	136	6.01	17.67	2.74	13.57	6.85	6.66	-1335.98	-5414.23	-1358.91	-
5391.30304.96											
	135	5.83	22.18	-0.43	14.87	6.88	10.57	-1397.78	-5287.56	-1472.07	-
5213.27532.41											

96	218	112	3.43	15.91	-3.66	15.27	-3.02	3.48	-70.87	-2711.09	-420.39	-
2361.57894.79												
		113	3.22	15.83	-4.38	15.29	-3.84	3.24	-9.37	-2490.90	-17.56	-
2482.71142.29												
		136	6.16	12.44	-2.06	12.18	-1.80	1.92	-1325.52	-5492.94	-1337.79	-
5480.67225.75												
		135	5.97	15.83	-3.19	13.69	-1.05	6.01	-1392.15	-5339.11	-1448.01	-
5283.25466.21												
97	15	113	4.50	-84.20	-147.62	-92.05	-139.77	-20.88	201.49	-2509.12	87.04	-
2394.68545.09												
		114	3.85	-89.11	-125.48	-90.49	-124.10	-6.94	-867.07	-2168.84	-933.24	-
2102.67-285.94												
		137	7.92	-97.80	-132.67	-100.12	-130.35	-8.69	-2081.91	-5940.90	-2108.37	-
5914.45318.40												
		136	8.58	-92.59	-135.88	-93.72	-134.74	-6.91	-1637.62	-6423.61	-1752.38	-
6308.84732.18												
97	101	113	4.50	-90.16	-153.16	-94.76	-148.56	-16.38	345.94	-2344.89	261.67	-
2260.63468.66												
		114	3.76	-92.69	-131.68	-92.91	-131.46	-2.89	-642.14	-2020.57	-745.89	-
1916.82-363.66												
		137	7.85	-103.42	-138.49	-103.93	-137.98	-4.23	-1881.86	-5771.56	-1924.18	-
5729.23403.55												
		136	8.62	-97.74	-143.89	-97.82	-143.81	-1.96	-1440.15	-6316.19	-1580.94	-
6175.40816.51												
97	155	113	3.36	-58.41	-101.84	-61.14	-99.11	-10.54	236.91	-1845.03	185.40	-
1793.52323.41												
		114	2.80	-59.71	-87.65	-59.81	-87.56	-1.64	-497.19	-1629.14	-587.17	-
1539.16-306.20												
		137	5.94	-66.86	-92.11	-67.20	-91.76	-2.93	-1459.22	-4505.36	-1482.30	-
4482.28264.14												
		136	6.52	-63.54	-95.68	-63.57	-95.64	-1.08	-1131.41	-4902.92	-1219.19	-
4815.14568.62												
97	159	113	3.05	-20.97	-47.98	-22.07	-46.88	-5.33	100.18	-2040.19	75.55	-
2015.55228.31												
		114	2.57	-21.05	-41.06	-21.11	-41.00	-1.09	-583.90	-1920.65	-693.22	-
1811.33-366.31												
		137	5.69	-23.90	-43.11	-24.51	-42.50	-3.37	-1548.45	-4790.61	-1550.70	-
4788.3785.34												
		136	6.15	-24.18	-44.04	-24.27	-43.95	-1.35	-1254.73	-5101.95	-1286.34	-
5070.35347.26												
97	164	113	2.82	15.72	-1.03	15.21	-0.51	2.88	85.15	-2151.25	82.12	-
2148.2282.26												
		114	2.36	16.27	0.34	15.98	0.64	2.16	-515.94	-2118.02	-674.36	-
1959.60-478.23												
		137	5.44	15.69	1.62	15.65	1.67	-0.83	-1495.93	-4971.36	-1496.32	-
4970.97-36.70												
		136	5.85	12.56	1.44	12.30	1.71	1.69	-1230.92	-5244.87	-1239.20	-
5236.59182.11												
97	181	113	2.90	21.40	0.09	16.90	4.59	8.69	-36.85	-2307.34	-49.15	-
2295.05166.64												
		114	2.53	21.46	1.31	17.60	5.17	7.93	-699.29	-2221.94	-808.19	-
2113.04-392.37												
		137	5.59	19.08	4.51	17.30	6.29	4.77	-1626.97	-5124.31	-1627.54	-
5123.7444.60												
		136	5.99	18.65	2.30	14.06	6.89	7.34	-1350.75	-5399.68	-1367.76	-
5382.67261.85												
97	218	113	3.16	15.89	-4.28	15.39	-3.78	3.14	-44.16	-2466.07	-47.37	-
2462.8688.12												
		114	2.72	16.26	-3.26	15.96	-2.96	2.38	-660.40	-2424.51	-799.47	-
2285.44-475.39												
		137	5.75	16.20	-1.94	16.18	-1.92	-0.57	-1607.72	-5216.72	-1608.17	-
5216.27-40.27												
		136	6.14	13.14	-1.98	12.86	-1.71	2.01	-1344.85	-5480.88	-1352.47	-
5473.27177.30												
98	15	114	3.89	-88.61	-133.80	-97.25	-125.15	-17.77	-993.60	-2111.92	-1075.00	-
2030.51-290.53												
		115	3.95	-96.07	-108.67	-99.40	-105.34	5.56	-1710.77	-2298.37	-2281.17	-
1727.97-99.05												
		138	7.17	-96.97	-120.73	-97.07	-120.63	1.52	-2672.91	-5329.70	-2680.77	-

5321.83144.33
137 7.81 -95.50 -131.53 -98.35 -128.68 -9.72 -2126.25 -5864.44 -2146.43 -
5844.27273.89
98 101 114 3.81 -95.56 -138.16 -100.95 -132.77 -14.16 -789.63 -1979.63 -918.64 -
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115 3.77 -96.80 -116.66 -102.66 -110.81 9.06 -1434.29 -2155.63 -2110.24 -
1479.68-175.16
138 6.98 -99.20 -127.26 -100.36 -126.10 5.59 -2488.41 -5092.47 -2507.83 -
5073.05224.03
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1376.45-100.41
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4340.5310.08
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4735.4350.18
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144	4.91	-7.65	-28.80	-8.56	-27.89	-4.30	-2045.17	-4316.08	-2623.08	-
3738.17-989.14										
143	5.58	-11.53	-39.35	-16.49	-34.40	-10.64	-1809.95	-4750.33	-2218.40	-
4341.88-1016.95										
104 159 120	3.41	-7.23	-17.61	-7.56	-17.27	1.83	-324.63	-2875.23	-1637.77	-
1562.09-1274.74										
121	3.47	-0.97	-15.84	-8.82	-7.99	7.42	-578.87	-3029.99	-2247.86	-
1361.00-1142.53										
144	4.25	0.43	-14.38	-0.30	-13.65	3.21	-2118.92	-3907.44	-2542.97	-
3483.38-760.67										
143	4.97	-7.41	-20.40	-8.01	-19.80	-2.72	-1889.44	-4428.64	-2153.93	-
4164.15-775.65										
104 164 120	3.34	26.54	9.79	24.81	11.53	-5.10	-369.18	-2838.95	-1566.92	-
1641.21-1234.32										
121	3.42	27.71	14.17	24.99	16.89	-5.42	-642.14	-2937.55	-2159.35	-
1420.34-1086.60										
144	4.32	35.28	12.23	33.01	14.49	-6.86	-2109.26	-3885.83	-2439.75	-
3555.35-691.31										
143	4.83	31.43	6.44	26.55	11.32	-9.90	-1848.09	-4471.51	-2065.43	-
4254.17-723.14										
104 188 120	3.68	31.33	0.93	24.91	7.34	-12.40	-375.45	-3055.16	-1651.50	-
1779.11-1338.34										
121	3.56	33.22	4.67	25.12	12.77	-12.87	-702.00	-3154.25	-2252.66	-
1603.60-1182.40										
144	4.46	39.74	3.32	32.77	10.29	-14.33	-2115.96	-4132.26	-2514.50	-
3733.72-802.96										
143	5.09	36.39	-3.04	26.29	7.05	-17.21	-1851.70	-4667.51	-2132.03	-
4387.17-843.08										
104 216 120	3.48	26.18	7.71	24.93	8.96	-4.64	-479.32	-2998.32	-1629.68	-
1847.95-1254.76										
121	3.50	27.31	12.52	25.05	14.79	-5.32	-739.41	-3034.74	-2190.85	-
1583.29-1106.73										
144	4.40	35.16	10.63	33.22	12.57	-6.62	-2151.87	-3978.46	-2460.08	-
3670.25-684.09										
143	4.95	30.93	4.74	26.85	8.82	-9.50	-1906.99	-4608.56	-2114.13	-
4401.41-718.82										
105 7 121	4.90	65.54	38.63	62.35	41.81	-8.69	-895.81	-3983.27	-2942.51	-
1936.56-1459.49										
122	4.40	67.50	37.47	57.20	47.76	-14.25	-836.51	-3616.95	-2816.40	-
1637.06-1258.97										
145	5.51	70.23	46.31	69.74	46.79	-3.36	-2590.95	-4521.51	-3137.73	-
3974.73-869.84										
144	6.20	74.47	37.63	71.77	40.33	-9.61	-2893.47	-5300.50	-3367.74	-
4826.23-957.42										
105 79 121	5.35	-41.72	-80.28	-63.47	-58.54	19.12	-751.57	-4442.99	-3250.18	-
1944.38-1726.38										
122	4.93	-22.11	-102.06	-71.40	-52.76	38.87	-784.16	-4192.57	-3220.87	-
1755.86-1538.75										
145	5.70	-23.20	-89.63	-46.50	-66.33	31.70	-2477.11	-4955.15	-3496.68	-
3935.58-1219.43										
144	6.58	-47.21	-80.58	-54.84	-72.94	14.02	-2764.78	-5534.13	-3634.46	-
4664.46-1285.34										
105 144 121	3.98	-25.74	-49.95	-38.95	-36.74	12.05	-587.66	-3353.75	-2454.77	-
1486.64-1295.56										
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1331.34-1149.42										
145	4.22	-11.72	-56.50	-26.53	-41.69	21.07	-1908.27	-3743.37	-2638.08	-
3013.56-898.13										
144	4.91	-28.26	-50.59	-32.12	-46.73	8.44	-2129.58	-4206.09	-2751.60	-
3584.07-951.17										
105 158 121	3.53	37.18	20.99	34.72	23.45	-5.81	-663.92	-2960.54	-2183.93	-
1440.52-1086.49										
122	3.18	37.55	21.37	31.01	27.91	-7.94	-629.51	-2686.29	-2097.45	-

1218.35-929.72										
145	3.98	42.05	26.04	41.92	26.17	-1.43	-1928.66	-3352.65	-2329.58	-
2951.73-640.44										
144	4.48	44.53	19.23	42.40	21.36	-7.02	-2145.12	-3935.98	-2493.01	-
3588.08-708.52										
105 164 121	3.42	27.79	14.54	25.22	17.10	-5.24	-648.98	-2938.82	-2159.90	-
1427.90-1084.84										
122	3.09	27.26	15.81	21.57	21.51	-5.73	-616.47	-2663.57	-2074.24	-
1205.79-926.88										
145	3.85	33.57	18.96	33.55	18.97	-0.48	-1902.56	-3323.43	-2302.17	-
2923.83-638.83										
144	4.34	35.45	12.09	33.29	14.25	-6.77	-2117.65	-3905.30	-2464.69	-
3558.27-707.07										
105 188 121	3.63	31.54	7.25	25.65	13.15	-10.41	-727.85	-3211.36	-2316.35	-
1622.86-1192.36										
122	3.27	30.73	7.43	22.05	16.12	-11.27	-733.45	-2925.75	-2235.61	-
1423.59-1018.19										
145	4.03	35.38	11.44	33.39	13.44	-6.62	-1963.38	-3600.70	-2430.20	-
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144	4.53	38.79	4.65	33.30	10.14	-12.54	-2159.97	-4173.37	-2587.83	-
3745.51-823.65										
105 220 121	3.51	27.51	13.03	25.10	15.44	-5.40	-762.25	-3044.08	-2214.09	-
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122	3.13	27.27	14.77	21.26	20.78	-6.24	-692.85	-2725.23	-2093.98	-
1324.10-940.46										
145	3.90	33.09	18.30	33.06	18.33	-0.61	-1946.78	-3376.38	-2315.45	-
3007.71-625.40										
144	4.43	35.17	10.73	33.14	12.75	-6.74	-2185.95	-3998.10	-2509.41	-
3674.65-693.92										
106 7 122	4.45	64.16	40.80	56.22	48.74	-11.07	-801.00	-3627.89	-2812.54	-
1616.35-1280.67										
123	3.17	71.94	21.64	40.63	52.95	-24.38	-444.97	-2619.73	-1744.33	-
1320.36-1066.51										
146	4.47	62.98	48.70	51.76	59.93	5.86	-1452.79	-3476.64	-1857.73	-
3071.70-809.67										
145	5.56	69.41	44.49	68.88	45.02	-3.58	-2607.49	-4585.71	-3189.61	-
4003.59-901.50										
106 69 122	4.74	62.28	31.16	54.30	39.14	-13.58	-996.78	-3985.03	-3053.77	-
1928.04-1384.05										
123	3.53	68.88	13.91	38.60	44.19	-27.35	-593.87	-2934.22	-1971.59	-
1556.49-1151.62										
146	4.69	59.39	42.16	50.59	50.96	8.61	-1596.06	-3741.70	-2038.98	-
3298.78-868.43										
145	5.84	67.80	35.16	67.75	35.21	-1.25	-2764.37	-4926.86	-3384.85	-
4306.38-978.15										
106 139 122	3.58	45.05	23.23	39.17	29.10	-9.68	-743.37	-3012.79	-2312.07	-
1444.09-1048.44										
123	2.65	49.84	10.11	27.28	32.67	-19.69	-440.42	-2211.44	-1484.60	-
1167.26-871.18										
146	3.54	44.04	30.54	36.85	37.73	6.74	-1205.59	-2834.71	-1539.78	-
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145	4.41	49.66	25.79	49.62	25.83	-0.94	-2098.32	-3733.91	-2568.64	-
3263.60-740.30										
106 158 122	3.22	36.34	23.56	31.09	28.80	-6.28	-603.11	-2694.61	-2094.78	-
1202.94-945.91										
123	2.30	40.80	10.29	19.99	31.09	-14.21	-345.09	-1936.17	-1297.11	-
984.14-780.00										
146	3.23	39.67	26.37	30.32	35.72	6.08	-1083.20	-2577.19	-1376.94	-
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145	4.01	41.73	24.69	41.56	24.85	-1.68	-1941.44	-3399.91	-2368.19	-
2973.15-663.54										
106 164 122	3.13	27.09	17.76	22.30	22.54	-4.66	-590.18	-2671.93	-2071.65	-
1190.46-943.02										
123	2.27	30.39	5.27	11.61	24.05	-10.91	-333.73	-1914.84	-1276.57	-
972.00-775.75										
146	3.13	33.66	17.94	23.43	28.18	7.49	-1061.40	-2552.03	-1353.48	-
2259.96-591.66										
145	3.88	33.46	17.63	33.42	17.67	-0.81	-1915.52	-3370.09	-2340.54	-
2945.07-661.49										

106	188	122	3.36	28.28	11.50	22.36	17.42	-8.02	-737.32	-2949.36	-2271.38	-1415.30-1019.83
		123	2.59	30.67	0.14	11.54	19.27	-14.77	-448.09	-2160.67	-1467.02	-1141.74-840.70
		146	3.29	30.57	16.11	23.48	23.20	7.23	-1191.21	-2752.85	-1520.83	-2423.22-637.26
		145	4.11	33.61	12.28	33.55	12.35	-1.15	-2052.65	-3627.91	-2517.09	-3163.47-718.27
106	220	122	3.17	26.91	16.87	21.95	21.83	-5.02	-666.45	-2733.66	-2091.69	-1308.42-956.53
		123	2.30	31.04	4.37	10.95	24.47	-11.49	-349.94	-1942.78	-1250.42	-1042.30-789.59
		146	3.15	33.52	17.47	22.45	28.54	7.43	-1056.75	-2577.24	-1325.29	-2308.70-579.83
		145	3.93	32.94	16.97	32.90	17.02	-0.84	-1961.17	-3422.29	-2354.39	-3029.08-648.01
107	15	123	4.06	-4.61	-93.99	-56.00	-42.61	44.19	-324.68	-2989.45	-2110.14	-1203.99-1252.98
		124	3.03	-20.14	-104.01	-70.97	-53.18	40.98	273.96	-1620.26	-285.36	-1060.94-864.08
		147	4.01	9.14	-92.12	-64.80	-18.18	44.95	288.33	-2331.64	12.35	-2055.66-804.30
		146	4.46	0.47	-106.29	-52.59	-53.23	53.38	-1405.75	-3745.29	-2224.53	-2926.51-1115.87
107	69	123	3.44	71.23	23.93	50.67	44.50	-23.45	-596.80	-2938.27	-1993.57	-1541.50-1148.71
		124	2.75	83.08	-6.35	25.85	50.89	-42.93	361.16	-1520.09	51.79	-1210.72-697.34
		147	3.99	77.41	7.85	8.53	76.73	-6.83	542.21	-2192.72	435.12	-2085.63-530.49
		146	4.52	45.34	38.42	38.49	45.27	0.69	-1654.32	-3747.27	-2069.36	-3332.22-834.51
107	139	123	2.59	51.51	17.62	36.21	32.92	-16.87	-439.97	-2213.70	-1498.37	-1155.30-870.11
		124	2.06	60.58	-5.51	17.45	37.62	-31.47	294.13	-1146.79	66.32	-918.98-525.69
		147	3.07	57.93	4.32	4.69	57.56	-4.46	437.84	-1672.00	356.04	-1590.20-407.29
		146	3.43	33.57	26.91	27.18	33.30	1.31	-1240.20	-2844.29	-1559.01	-2525.48-640.13
107	158	123	2.27	40.73	16.33	25.79	31.27	-11.89	-326.32	-1932.63	-1289.97	-968.98-786.96
		124	1.79	50.68	-6.63	8.40	35.65	-25.21	392.53	-1021.70	222.41	-851.58-460.05
		147	3.12	55.64	-2.50	-2.49	55.63	-0.74	558.34	-1591.88	479.26	-1512.80-404.71
		146	3.20	32.63	16.30	17.98	30.96	4.96	-1052.00	-2621.34	-1369.83	-2303.51-630.69
107	164	123	2.21	31.08	11.60	18.27	24.41	-9.24	-315.79	-1911.36	-1269.94	-957.21-782.32
		124	1.71	39.73	-10.38	1.67	27.68	-21.41	405.52	-1005.85	238.43	-838.75-455.98
		147	3.07	48.04	-7.48	-7.47	48.03	0.68	572.85	-1576.48	494.75	-1498.37-402.21
		146	3.10	26.11	8.63	11.38	23.37	6.36	-1029.88	-2595.85	-1345.76	-2279.97-628.39
107	165	123	2.09	25.51	12.02	13.12	24.40	-3.69	-228.22	-1730.81	-1101.75	-857.28-741.28
		124	1.89	35.98	-11.02	-3.09	28.05	-17.60	548.39	-1043.65	389.36	-884.62-477.37
		147	3.36	48.83	-16.87	-16.44	48.40	5.26	679.95	-1644.98	589.35	-1554.38-449.92
		146	3.20	28.65	-4.04	2.00	22.61	12.68	-917.83	-2603.35	-1234.42	-2286.76-658.32
107	216	123	2.23	31.07	11.56	18.29	24.34	-9.27	-314.10	-1925.05	-1215.46	-1023.70-799.75
		124	1.81	40.47	-10.53	1.01	28.93	-21.34	518.63	-1023.59	353.95	-858.91-476.29
		147	3.18	49.16	-7.91	-7.90	49.15	0.68	670.03	-1579.29	596.50	-1505.76-399.99

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657.91-920.38
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927.38-154.02
150 1.88 40.05 0.77 0.80 40.02 1.05 -27.60 -1085.86 -32.33 -
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149 2.59 53.19 -0.33 0.40 52.45 6.24 478.16 -1257.52 252.25 -
1031.61-584.01
110 79 126 4.23 24.13 -86.17 0.56 -62.60 45.21 1308.38 -1775.73 255.76 -
723.12-1462.32
127 1.82 1.16 -64.07 -0.56 -62.35 10.45 38.86 -841.90 -36.05 -
767.00-245.69
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968.58-163.48
149 2.52 -3.89 -26.68 -11.09 -19.48 10.59 758.04 -1440.01 239.64 -
921.61-933.13
110 108 126 2.39 29.88 -1.67 -0.71 28.92 5.42 719.05 -1200.59 196.36 -
677.90-854.50
127 1.16 20.05 0.44 0.49 20.00 -1.01 -6.03 -729.29 -25.90 -
709.41-118.23
150 1.43 29.99 0.54 0.55 29.97 0.70 -21.21 -831.75 -24.83 -
828.13-54.04
149 1.97 39.40 -0.47 0.10 38.82 4.75 366.86 -962.96 193.93 -
790.02-447.29

110	158	126	2.34	24.82	-2.75	-0.69	22.75	7.25	709.81	-1176.87	196.23	-
663.29-839.76												
		127	1.08	15.26	0.39	0.40	15.25	-0.40	-5.99	-714.58	-25.65	-
694.92-116.39												
		150	1.38	27.44	0.33	0.34	27.44	0.35	-21.12	-817.94	-24.57	-
814.49-52.29												
		149	1.88	34.49	-1.16	-0.57	33.91	4.54	359.38	-943.04	192.77	-
776.44-435.01												
110	164	126	2.33	20.37	-4.68	-0.66	16.34	9.19	715.31	-1169.48	197.50	-
651.67-841.33												
		127	1.00	10.09	0.30	0.31	10.08	0.21	-5.62	-703.76	-25.68	-
683.70-116.62												
		150	1.33	24.69	0.13	0.13	24.69	-3.87e-04	-21.12	-808.83	-24.59	-
805.36-52.22												
		149	1.82	29.52	-1.89	-1.26	28.89	4.41	360.69	-934.61	193.19	-
767.11-434.63												
110	165	126	2.43	26.80	-3.71	-1.62	24.72	7.70	726.92	-1210.93	199.80	-
683.81-862.34												
		127	1.20	22.12	-0.02	0.05	22.05	-1.23	3.37	-741.04	-22.93	-
714.74-137.43												
		150	1.55	36.76	-0.03	0.04	36.69	1.60	-14.46	-842.35	-20.69	-
836.13-71.50												
		149	2.00	38.20	-2.92	-2.03	37.31	5.99	372.67	-974.99	196.67	-
798.99-454.11												
110	206	126	2.34	21.74	-3.99	-0.67	18.42	8.63	716.57	-1172.47	197.22	-
653.12-843.41												
		127	1.04	13.20	0.27	0.27	13.20	0.23	-5.83	-704.14	-25.80	-
684.17-116.40												
		150	1.37	27.54	0.10	0.10	27.54	-0.06	-21.35	-806.53	-24.84	-
803.04-52.24												
		149	1.85	31.54	-2.02	-1.32	30.84	4.80	363.91	-934.82	194.11	-
765.02-437.83												
111	15	128	7.19	192.56	4.64	4.77	192.43	-4.97	-45.81	-3676.07	-57.60	-
3664.28206.56												
		129	8.21	146.10	-26.42	-13.49	133.17	-45.43	974.04	-4269.04	425.80	-
3720.801604.34												
		152	9.78	183.75	-3.75	-3.73	183.74	-1.76	175.36	-5892.70	-259.46	-
5457.881565.06												
		151	10.34	247.60	-10.08	-10.06	247.58	2.13	43.11	-5481.29	33.67	-
5471.85228.18												
111	35	128	7.62	209.48	2.07	2.07	209.48	-0.22	-60.69	-3826.93	-65.09	-
3822.53128.66												
		129	8.35	153.69	-26.60	-17.35	144.45	-39.76	901.94	-4358.45	416.20	-
3872.711522.90												
		152	10.04	196.01	-2.59	-2.59	196.01	-1.08	108.65	-6002.04	-279.88	-
5613.521491.04												
		151	10.76	265.64	-7.77	-7.76	265.63	1.80	15.64	-5638.45	11.26	-
5634.06157.38												
111	122	128	5.45	147.30	1.58	1.58	147.30	-0.02	-43.23	-2761.96	-47.01	-
2758.19101.27												
		129	6.01	108.83	-18.45	-12.81	103.20	-26.18	677.99	-3145.65	317.77	-
2785.421116.96												
		152	6.96	136.60	-1.06	-1.06	136.60	0.37	105.83	-4143.38	-149.83	-
3887.721010.43												
		151	7.44	182.73	-5.26	-5.25	182.72	1.21	4.33	-3916.45	1.43	-
3913.54106.62												
111	159	128	3.94	96.64	2.45	2.46	96.63	-1.13	-25.86	-2121.90	-34.55	-
2113.20134.73												
		129	4.59	75.90	-11.98	-9.77	73.69	-13.75	652.24	-2444.67	313.19	-
2105.62966.99												
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2437.14591.42												
		151	4.59	106.46	-3.70	-3.69	106.46	0.78	-11.79	-2496.14	-14.59	-
2493.3483.30												
111	164	128	2.73	57.34	1.52	1.54	57.33	0.93	-18.40	-1582.41	-27.09	-
1573.72116.26												
		129	3.29	51.80	-9.41	-9.31	51.70	2.46	578.50	-1803.38	302.22	-
1527.10762.72												
		152	2.12	46.10	3.37	4.99	44.49	8.15	286.69	-1101.31	275.70	-

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112 122 129 6.05 107.83 -18.73 -10.22 99.32 -31.70 733.93 -3139.99 398.88 -
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152	2.10	40.41	-0.23	0.21	39.97	4.21	133.60	-1199.96	113.38	-1179.73162.97
113 15 130	7.65	71.03	-105.45	19.82	-54.25	-80.09	-428.07	-5952.16	-1026.32	-5353.911716.66
131	8.59	24.50	-157.75	6.53	-139.78	-54.34	-1292.14	-6423.93	-1810.90	-5905.161546.96
154	7.74	2.04	-177.41	1.12	-176.49	-12.82	-270.58	-5054.72	-1416.67	-3908.632041.94
153	7.17	55.33	-139.08	18.55	-102.29	-76.14	-85.15	-5357.47	-720.88	-4721.741716.86
113 35 130	7.40	61.70	-96.09	17.98	-52.37	-70.62	-43.69	-5739.39	-571.94	-5211.131652.19
131	8.62	16.04	-156.21	3.73	-143.90	-44.36	-900.98	-6169.34	-1351.61	-5718.711473.44
154	7.75	-0.21	-180.42	-0.34	-180.28	-4.93	48.87	-4747.30	-979.35	-3719.081968.32
153	7.21	49.15	-131.85	17.54	-100.24	-68.72	274.49	-5138.61	-288.84	-4575.281652.89
113 122 130	5.38	41.21	-58.98	14.15	-31.92	-44.49	-74.71	-4244.81	-458.77	-3860.751205.84
131	6.29	12.20	-101.88	4.90	-94.58	-27.92	-764.67	-4621.08	-1076.99	-4308.761052.09
154	5.47	1.91	-118.30	1.88	-118.27	-1.88	-108.70	-3460.00	-795.14	-2773.561352.51
153	5.03	33.26	-84.23	12.73	-63.70	-44.61	122.07	-3652.91	-247.98	-3282.861122.50
113 159 130	4.50	24.12	-13.70	15.77	-5.35	-15.69	-337.46	-3761.87	-671.38	-3427.961015.85
131	5.21	14.63	-43.06	12.41	-40.84	-11.09	-1127.63	-4301.27	-1351.31	-4077.60812.30
154	3.88	9.37	-50.73	9.32	-50.68	1.70	-687.71	-2942.17	-1076.75	-2553.13851.89
153	3.36	20.54	-30.77	10.60	-20.82	-20.28	-284.75	-2753.84	-475.79	-2562.80659.70
113 164 130	3.70	39.00	-0.36	16.17	22.47	19.43	-341.51	-3139.54	-581.07	-2899.98782.89
131	4.18	27.12	1.09	18.07	10.15	12.40	-1210.32	-3831.24	-1319.42	-3722.14523.49
154	2.55	25.64	4.52	15.79	14.38	10.54	-991.62	-2281.51	-1066.80	-2206.32302.20
153	2.23	27.53	3.69	7.79	23.42	9.00	-397.93	-1762.76	-415.59	-1745.09154.26
113 193 130	4.06	41.83	0.85	16.87	25.81	19.99	-479.56	-3449.15	-704.05	-3224.66785.02
131	4.69	26.96	-1.83	17.55	7.58	13.51	-1374.77	-4295.78	-1470.90	-4199.65521.11
154	3.01	24.07	4.80	16.76	12.10	9.35	-1186.09	-2728.65	-1228.08	-2686.66251.03
153	2.62	29.74	7.28	9.94	27.07	7.27	-539.47	-2080.24	-547.06	-2072.65107.90
113 200 130	3.83	36.54	1.83	17.52	20.85	17.28	-557.99	-3332.25	-864.76	-3025.48870.03
131	4.33	24.88	1.70	16.52	10.06	11.13	-1428.21	-3997.58	-1571.98	-3853.82590.52
154	2.68	24.25	4.19	14.89	13.55	10.01	-1223.66	-2415.84	-1340.56	-2298.95354.53
153	2.23	27.59	2.78	7.36	23.01	9.63	-653.73	-1840.38	-692.99	-1801.12212.23
114 15 131	8.40	21.12	-155.91	0.33	-135.12	-56.99	-1256.44	-6354.50	-1797.48	-5813.461570.21
132	8.23	-18.21	-156.11	-23.88	-150.43	-27.38	-1870.74	-6157.69	-2447.37	-5581.051462.70
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154	7.56	-12.85	-172.09	-14.25	-170.70	-14.82	-319.18	-5059.34	-1483.05	-

3895.472040.18											
114	35	131	8.39	13.82	-153.62	-0.88	-138.92	-47.38	-915.12	-6094.01	-1386.60	-
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		132	8.18	-22.81	-157.18	-25.20	-154.80	-17.75	-1526.22	-5884.23	-2026.41	-
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		155	6.90	-48.51	-168.46	-50.77	-166.19	16.34	-560.44	-4427.07	-1788.13	-
3199.381799.95											
		154	7.58	-15.19	-174.63	-15.38	-174.44	-5.48	12.99	-4748.67	-1032.98	-
3702.691971.42											
114	112	131	6.14	15.36	-101.19	2.73	-88.56	-36.24	-1001.42	-4736.34	-1372.77	-
4364.991117.61											
		132	6.05	-9.78	-102.64	-13.04	-99.38	-17.08	-1493.81	-4631.13	-1878.02	-
4246.931028.47											
		155	4.98	-30.38	-106.89	-30.80	-106.47	5.63	-794.03	-3515.10	-1712.27	-
2596.861286.64											
		154	5.35	-6.84	-112.60	-7.54	-111.89	-8.59	-357.57	-3666.91	-1133.76	-
2890.721402.22											
114	159	131	5.11	13.33	-41.13	10.77	-38.57	-11.52	-1107.07	-4251.04	-1340.55	-
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		132	5.15	4.63	-46.63	4.30	-46.29	-4.13	-1654.28	-4305.67	-1863.16	-
4096.80714.27											
		155	3.78	-6.06	-48.79	-7.06	-47.79	6.46	-1179.60	-3013.16	-1656.48	-
2536.27804.35											
		154	3.83	3.58	-48.80	3.57	-48.80	0.55	-709.31	-2948.41	-1110.83	-
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114	164	131	4.14	28.81	1.42	18.81	11.42	13.19	-1194.41	-3784.05	-1308.33	-
3670.13531.07											
		132	4.32	25.74	2.70	21.63	6.80	8.82	-1774.61	-4020.36	-1848.30	-
3946.67400.06											
		155	2.87	21.63	5.94	16.68	10.88	7.29	-1494.93	-2581.43	-1600.70	-
2475.67322.07											
		154	2.55	24.18	4.80	14.68	14.30	9.69	-1004.73	-2286.23	-1087.91	-
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4155.28501.53											
		132	4.87	25.96	0.02	22.44	3.53	8.88	-1991.96	-4556.36	-2045.17	-
4503.15365.53											
		155	3.38	20.83	4.65	17.81	7.67	6.30	-1754.77	-3088.49	-1809.24	-
3034.03263.96											
		154	3.02	23.03	5.09	16.04	12.09	8.75	-1233.85	-2737.06	-1281.03	-
2689.89262.08											
114	200	131	4.28	26.83	1.95	17.60	11.17	12.02	-1409.87	-3947.86	-1558.54	-
3799.19596.01											
		132	4.47	24.07	2.86	20.04	6.90	8.33	-1966.03	-4164.31	-2058.23	-
4072.11440.66											
		155	3.04	20.17	5.73	15.32	10.58	6.82	-1694.59	-2722.89	-1835.56	-
2581.91353.69											
		154	2.68	23.10	4.51	13.84	13.77	9.30	-1229.79	-2421.13	-1356.51	-
2294.41367.29											
115	15	132	8.12	-20.03	-156.47	-28.27	-148.23	-32.50	-1858.91	-6139.91	-2469.77	-
5529.041497.32											
		133	7.95	-48.68	-144.01	-51.20	-141.49	-15.28	-2061.70	-6034.88	-2717.32	-
5379.261474.81											
		156	6.27	-78.27	-143.29	-78.78	-142.77	5.77	-1420.20	-4405.22	-2547.82	-
3277.611447.22											
		155	6.90	-58.88	-160.69	-59.03	-160.54	3.88	-903.55	-4771.73	-2274.33	-
3400.951850.24											
115	35	132	8.04	-25.56	-156.80	-29.77	-152.60	-23.11	-1573.46	-5870.60	-2112.19	-
5331.861422.95											
		133	7.84	-52.18	-145.51	-52.56	-145.13	-5.94	-1772.75	-5759.73	-2349.66	-
5182.821402.60											
		156	6.27	-76.78	-149.87	-80.20	-146.45	15.43	-1015.95	-4191.02	-2131.41	-
3075.561515.72											
		155	6.82	-58.86	-166.68	-60.60	-164.94	13.58	-628.76	-4439.87	-1868.01	-
3200.621785.27											
115	112	132	5.98	-11.07	-102.72	-15.90	-97.88	-20.49	-1485.50	-4616.86	-1894.52	-
4207.841055.22											
		133	5.89	-29.66	-95.20	-31.13	-93.73	-9.70	-1646.54	-4576.50	-2083.92	-
4139.111044.13											

156	4.53	-49.82	-94.48	-50.26	-94.04	4.43	-1201.55	-3278.54	-1934.86	-2545.23992.64
155	4.94	-36.98	-105.73	-37.16	-105.55	3.54	-816.27	-3510.87	-1731.90	-2595.241276.28
115 159 132	5.10	3.77	-46.11	3.08	-45.42	-5.83	-1649.32	-4288.66	-1877.28	-4060.70741.41
133	5.18	-4.08	-44.87	-4.31	-44.64	-3.01	-1820.80	-4385.64	-2063.36	-4143.08750.53
156	3.64	-15.94	-43.46	-16.66	-42.73	4.41	-1525.06	-2951.77	-1853.61	-2623.23600.66
155	3.75	-9.61	-48.00	-10.38	-47.24	5.36	-1195.83	-3006.33	-1674.76	-2527.40798.58
115 164 132	4.30	26.15	2.97	22.07	7.05	8.83	-1774.56	-3999.04	-1860.04	-3913.56427.60
133	4.55	23.24	3.73	22.52	4.45	3.67	-1947.87	-4241.99	-2042.80	-4147.05456.92
156	3.07	18.82	6.70	16.94	8.58	4.39	-1727.62	-2745.96	-1772.35	-2701.23208.69
155	2.86	21.40	6.09	16.41	11.07	7.17	-1509.27	-2567.91	-1617.61	-2459.57320.87
115 193 132	4.83	26.51	1.16	23.72	3.94	7.92	-2007.80	-4530.52	-2065.35	-4472.96376.68
133	5.12	24.32	0.51	24.05	0.79	2.54	-2191.56	-4797.58	-2255.00	-4734.13401.64
156	3.62	18.38	4.09	17.70	4.77	3.04	-1983.24	-3306.87	-1999.33	-3290.78145.08
155	3.38	20.28	4.82	17.29	7.81	6.10	-1782.55	-3076.43	-1837.77	-3021.21261.53
115 216 132	4.45	27.15	1.46	22.64	5.97	9.77	-1884.11	-4157.78	-1969.50	-4072.39432.27
133	4.72	23.97	1.60	23.10	2.47	4.32	-2067.57	-4426.35	-2159.37	-4334.55456.19
156	3.20	19.35	4.81	17.35	6.82	5.01	-1847.55	-2876.76	-1883.54	-2840.77189.05
155	2.98	22.16	4.72	16.80	10.08	8.05	-1627.94	-2675.99	-1725.17	-2578.77304.04
116 15 133	7.93	-49.50	-145.82	-54.14	-141.19	-20.61	-2026.57	-6061.79	-2710.79	-5377.571514.20
134	8.16	-71.24	-137.65	-72.80	-136.09	-10.06	-1861.83	-6181.61	-2432.75	-5610.691462.97
157	5.94	-92.37	-136.74	-92.51	-136.60	2.46	-1617.36	-4094.53	-2236.20	-3475.701072.38
156	6.27	-85.90	-144.21	-86.11	-144.00	3.50	-1424.12	-4401.76	-2537.58	-3288.301440.73
116 35 133	7.93	-54.35	-146.34	-55.81	-144.88	-11.50	-1683.04	-5906.66	-2404.68	-5185.011589.71
134	8.17	-74.28	-139.04	-74.30	-139.02	-0.99	-1510.49	-6028.83	-2120.72	-5418.601544.29
157	5.92	-91.15	-142.51	-94.07	-139.59	11.89	-1231.24	-3929.06	-1882.06	-3278.241154.23
156	6.29	-85.16	-150.43	-87.85	-147.74	12.97	-1060.81	-4220.32	-2189.41	-3091.721513.97
116 122 133	5.88	-33.38	-96.82	-34.21	-95.99	-7.21	-1391.26	-4492.51	-1874.58	-4009.201124.86
134	6.10	-47.01	-92.30	-47.02	-92.29	-0.71	-1246.09	-4625.82	-1654.24	-4217.671101.29
157	4.33	-58.45	-94.38	-60.44	-92.39	8.22	-1054.23	-2989.47	-1455.22	-2588.49784.35
156	4.54	-54.34	-99.33	-56.32	-97.35	9.23	-959.38	-3156.67	-1694.83	-2421.221036.87
116 159 133	5.18	-4.70	-45.12	-5.30	-44.51	-4.91	-1796.93	-4401.10	-2057.29	-4140.74781.18
134	5.52	-13.18	-44.12	-13.60	-43.70	-3.58	-1610.85	-4664.49	-1832.71	-4442.62792.63
157	3.70	-20.98	-42.89	-21.18	-42.69	2.07	-1471.18	-2997.69	-1597.56	-2871.31420.65
156	3.64	-18.61	-43.67	-19.15	-43.14	3.62	-1522.33	-2949.64	-1845.54	-2626.42597.38
116 164 133	4.56	23.14	3.86	22.49	4.50	3.47	-1928.50	-4251.33	-2035.93	-

4143.91487.85											
	134	5.00	18.83	2.93	18.82	2.94	-0.41	-1701.12	-4641.57	-1803.17	-
4539.52538.19											
	157	3.28	17.44	4.62	17.05	5.01	2.20	-1495.67	-3030.64	-1503.81	-
3022.49111.52											
	156	3.07	18.71	6.73	16.86	8.58	4.33	-1720.55	-2744.17	-1764.15	-
2700.57206.71											
116 193	133	5.12	24.33	0.77	24.22	0.88	1.59	-2185.97	-4805.19	-2257.51	-
4733.64426.94											
	134	5.63	20.75	-1.46	20.44	-1.15	-2.60	-1955.88	-5208.85	-2027.21	-
5137.51476.41											
	157	3.85	17.84	0.76	17.84	0.76	-0.20	-1734.05	-3622.84	-1735.30	-
3621.6048.42											
	156	3.62	18.14	4.42	17.76	4.80	2.25	-1977.34	-3307.13	-1993.18	-
3291.29144.26											
116 216	133	4.73	23.91	1.71	23.09	2.53	4.20	-2048.60	-4435.38	-2152.45	-
4331.52486.93											
	134	5.22	19.33	0.38	19.33	0.38	8.11e-03	-1827.18	-4847.98	-1924.46	-
4750.70533.28											
	157	3.42	17.92	2.17	17.47	2.63	2.64	-1609.87	-3183.95	-1615.22	-
3178.6091.62											
	156	3.20	19.38	4.77	17.31	6.83	5.09	-1840.26	-2875.18	-1875.27	-
2840.18187.10											
117 15	134	8.19	-71.88	-140.20	-75.23	-136.85	-14.75	-1805.95	-6234.37	-2394.85	-
5645.471503.69											
	135	8.58	-87.94	-138.31	-88.61	-137.63	-5.79	-1546.43	-6402.59	-1889.71	-
6059.311244.66											
	158	6.06	-98.31	-139.25	-98.34	-139.22	1.15	-1370.60	-4120.98	-1705.87	-
3785.71899.84											
	157	5.97	-98.71	-138.60	-98.72	-138.59	0.39	-1588.61	-4107.00	-2192.27	-
3503.331075.11											
117 35	134	8.21	-76.21	-140.33	-76.73	-139.81	-5.78	-1493.58	-6099.28	-2134.18	-
5458.681593.75											
	135	8.59	-89.87	-140.47	-90.07	-140.26	3.20	-1239.54	-6267.19	-1626.98	-
5879.761340.81											
	158	6.05	-97.41	-144.20	-99.76	-141.85	10.23	-1031.78	-3986.93	-1416.11	-
3602.60994.00											
	157	5.96	-98.13	-143.61	-100.19	-141.55	9.45	-1249.87	-3968.25	-1904.64	-
3313.481162.40											
117 122	134	6.13	-48.35	-93.16	-48.70	-92.81	-3.92	-1229.80	-4676.87	-1659.21	-
4247.461138.33											
	135	6.46	-58.15	-93.34	-58.27	-93.22	2.05	-1010.68	-4842.64	-1266.79	-
4586.52956.99											
	158	4.49	-62.65	-95.95	-64.19	-94.41	7.00	-855.94	-3081.62	-1089.08	-
2848.48681.57											
	157	4.36	-63.10	-95.14	-64.52	-93.72	6.59	-1063.16	-3016.90	-1465.80	-
2614.26790.28											
117 159	134	5.56	-13.74	-44.84	-14.63	-43.95	-5.19	-1569.09	-4701.27	-1803.09	-
4467.26823.53											
	135	6.00	-21.74	-44.89	-21.97	-44.67	-2.27	-1273.64	-4983.53	-1404.01	-
4853.16683.14											
	158	4.03	-22.89	-45.78	-22.95	-45.72	1.17	-1114.24	-3231.27	-1184.91	-
3160.60380.28											
	157	3.72	-23.17	-43.55	-23.26	-43.46	1.36	-1440.21	-3013.92	-1563.95	-
2890.18423.59											
117 164	134	5.04	18.44	2.93	18.43	2.94	-0.49	-1661.68	-4674.04	-1773.19	-
4562.53568.75											
	135	5.59	13.40	2.10	13.36	2.13	-0.60	-1305.42	-5060.75	-1366.07	-
5000.10473.38											
	158	3.68	17.47	1.09	17.35	1.21	1.39	-1078.71	-3359.48	-1087.56	-
3350.64141.76											
	157	3.29	17.39	4.45	17.02	4.83	2.17	-1461.94	-3047.92	-1470.34	-
3039.53115.09											
117 193	134	5.67	20.23	-1.65	19.77	-1.20	-3.12	-1933.94	-5244.02	-2013.73	-
5164.23507.68											
	135	6.25	15.32	-2.74	14.69	-2.12	-3.29	-1563.72	-5642.80	-1606.69	-
5599.84416.45											
	158	4.37	18.61	-3.16	18.53	-3.07	-1.34	-1316.52	-3951.28	-1319.39	-
3948.4186.88											

	157	3.87	18.23	0.65	18.22	0.66	-0.50	-1700.47	-3640.82	-1702.08	-
3639.2155.81											
117	218	134	5.27	19.32	0.31	19.32	0.31	-0.03	-1771.97	-4872.68	-1877.32	-
4767.33561.75											
	135	5.86	14.11	-0.90	14.10	-0.89	-0.36	-1419.59	-5281.03	-1476.82	-
5223.80466.60											
	158	3.88	18.30	-1.91	18.16	-1.77	1.68	-1175.78	-3519.84	-1182.33	-
3513.29123.73											
	157	3.42	18.35	1.95	17.88	2.41	2.73	-1556.68	-3194.08	-1562.00	-
3188.7793.13											
118	15	135	8.61	-88.67	-140.78	-90.82	-138.63	-10.36	-1500.29	-6447.81	-1848.73	-
6099.371265.90											
	136	8.57	-97.20	-138.84	-97.24	-138.79	-1.33	-1572.70	-6351.09	-1695.95	-
6227.84757.45											
	159	6.17	-101.99	-140.96	-102.03	-140.93	1.13	-1279.72	-4185.57	-1579.06	-
3886.23883.31											
	158	6.10	-103.65	-141.05	-103.67	-141.03	-0.82	-1330.68	-4150.06	-1671.69	-
3809.04919.33											
118	35	135	8.63	-92.03	-141.29	-92.07	-141.25	-1.43	-1235.79	-6325.32	-1635.10	-
5926.011368.52											
	136	8.56	-97.17	-142.68	-98.53	-141.33	7.73	-1324.13	-6223.13	-1481.80	-
6065.46864.62											
	159	6.18	-100.60	-145.78	-102.99	-143.40	10.11	-990.71	-4078.38	-1347.59	-
3721.50987.20											
	158	6.10	-103.00	-145.18	-104.59	-143.59	8.02	-1040.81	-4033.57	-1440.78	-
3633.601018.36											
118	112	135	6.48	-57.41	-93.53	-58.81	-92.13	-6.97	-1178.17	-4968.83	-1410.39	-
4736.61909.04											
	136	6.48	-63.28	-92.30	-63.29	-92.29	-0.53	-1212.65	-4921.94	-1290.57	-
4844.02531.95											
	159	4.61	-65.61	-94.00	-65.64	-93.97	0.96	-995.43	-3243.02	-1184.40	-
3054.05623.71											
	158	4.53	-66.80	-93.89	-66.81	-93.89	-0.35	-1048.98	-3195.33	-1256.15	-
2988.15633.84											
118	159	135	6.04	-22.29	-45.57	-22.90	-44.96	-3.71	-1238.37	-5016.14	-1372.33	-
4882.18698.67											
	136	6.12	-25.80	-45.31	-25.86	-45.25	1.07	-1209.64	-5052.89	-1245.05	-
5017.48367.18											
	159	4.21	-23.84	-47.13	-23.91	-47.06	1.27	-999.57	-3350.62	-1086.03	-
3264.16442.50											
	158	4.07	-24.74	-46.46	-24.75	-46.45	0.56	-1084.67	-3251.80	-1159.42	-
3177.05395.48											
118	164	135	5.64	13.04	2.19	13.02	2.20	-0.44	-1270.80	-5091.21	-1334.27	-
5027.74488.31											
	136	5.81	12.26	1.11	11.58	1.79	2.67	-1189.29	-5201.18	-1199.53	-
5190.95202.41											
	159	3.91	17.95	-0.28	17.81	-0.14	1.57	-960.51	-3501.42	-987.67	-
3474.26261.29											
	158	3.71	17.44	0.87	17.30	1.00	1.47	-1052.01	-3376.61	-1062.68	-
3365.94157.13											
118	193	135	6.29	14.50	-2.60	14.01	-2.10	-2.87	-1538.27	-5669.19	-1578.88	-
5628.58407.57											
	136	6.48	12.63	-2.35	12.62	-2.34	0.33	-1439.91	-5790.61	-1443.54	-
5786.97125.70											
	159	4.57	19.11	-4.25	19.09	-4.23	-0.65	-1204.27	-4080.09	-1217.10	-
4067.25191.66											
	158	4.39	18.56	-3.30	18.53	-3.26	-0.85	-1290.13	-3966.31	-1292.71	-
3963.7383.15											
118	218	135	5.91	13.77	-0.81	13.77	-0.81	-0.11	-1385.15	-5311.32	-1445.12	-
5251.35481.53											
	136	6.10	12.77	-2.07	12.18	-1.48	2.90	-1303.57	-5437.48	-1313.02	-
5428.03197.46											
	159	4.13	18.72	-3.59	18.57	-3.43	1.86	-1059.50	-3669.91	-1083.39	-
3646.02248.58											
	158	3.92	18.34	-2.15	18.16	-1.97	1.92	-1149.28	-3536.77	-1157.43	-
3528.62139.24											
119	15	136	8.54	-97.12	-139.88	-98.06	-138.94	-6.28	-1590.03	-6343.79	-1716.50	-
6217.32765.00											
	137	7.93	-98.85	-133.97	-99.07	-133.74	2.81	-2082.91	-5894.42	-2108.20	-

5869.13309.45										
160	5.90	-105.73	-137.04	-105.95	-136.82	2.61	-1713.18	-3987.56	-2011.70	-
3689.04768.01										
159	6.17	-106.89	-141.81	-106.90	-141.80	-0.59	-1280.67	-4190.16	-1597.23	-
3873.60906.00										
119 35 136	8.52	-98.77	-141.60	-98.95	-141.43	2.73	-1393.51	-6226.60	-1557.63	-
6062.48875.37										
137	7.87	-96.28	-139.59	-99.95	-135.92	12.06	-1901.94	-5770.06	-1948.59	-
5723.41422.23										
160	5.92	-102.44	-142.76	-106.32	-138.88	11.89	-1469.52	-3914.45	-1842.04	-
3541.93878.65										
159	6.19	-105.40	-146.01	-107.24	-144.17	8.45	-1043.77	-4102.14	-1428.37	-
3717.541014.07										
119 112 136	6.45	-63.20	-92.87	-63.70	-92.38	-3.80	-1226.29	-4915.82	-1306.34	-
4835.77537.52										
137	5.99	-63.74	-89.18	-63.99	-88.93	2.48	-1591.85	-4586.16	-1605.33	-
4572.69200.40										
160	4.40	-68.05	-91.17	-68.23	-91.00	2.00	-1324.21	-3096.99	-1515.81	-
2905.39550.41										
159	4.60	-68.96	-94.54	-68.96	-94.54	-0.17	-997.60	-3245.06	-1198.44	-
3044.22641.13										
119 159 136	6.10	-25.57	-45.27	-25.58	-45.26	-0.47	-1224.12	-5045.29	-1260.68	-
5008.74371.95										
137	5.68	-23.63	-44.23	-24.25	-43.61	3.53	-1550.23	-4763.02	-1552.13	-
4761.1278.09										
160	3.98	-24.89	-44.88	-25.08	-44.68	1.96	-1315.83	-3222.43	-1412.96	-
3125.29419.25										
159	4.20	-25.79	-47.32	-25.82	-47.29	0.76	-1006.23	-3348.00	-1100.29	-
3253.94459.82										
119 164 136	5.80	13.26	1.14	12.54	1.86	2.86	-1204.31	-5192.41	-1215.02	-
5181.71206.39										
137	5.41	16.87	0.33	15.48	1.72	4.58	-1498.36	-4950.12	-1498.93	-
4949.55-44.22										
160	3.65	18.29	1.41	18.06	1.63	1.93	-1270.12	-3385.18	-1310.11	-
3345.19288.08										
159	3.90	17.48	-0.20	17.32	-0.04	1.69	-971.03	-3494.77	-1002.14	-
3463.65278.50										
119 193 136	6.47	13.39	-2.38	13.32	-2.31	1.02	-1450.77	-5781.36	-1454.89	-
5777.25133.38										
137	6.10	16.76	-2.53	16.36	-2.12	2.78	-1734.89	-5544.33	-1738.29	-
5540.93-113.78										
160	4.30	19.07	-2.20	19.06	-2.19	0.32	-1508.83	-3953.76	-1529.97	-
3932.61226.41										
159	4.56	18.22	-4.20	18.22	-4.20	0.04	-1206.55	-4071.15	-1222.49	-
4055.22213.06										
119 218 136	6.09	13.84	-2.08	13.18	-1.41	3.19	-1318.56	-5428.74	-1328.46	-
5418.84201.50										
137	5.72	17.21	-2.94	16.00	-1.73	4.78	-1610.05	-5195.65	-1610.69	-
5195.01-47.85										
160	3.88	18.96	-1.98	18.73	-1.75	2.18	-1368.47	-3558.10	-1405.00	-
3521.56280.48										
159	4.11	18.33	-3.52	18.12	-3.31	2.14	-1070.32	-3663.00	-1097.89	-
3635.43265.94										
120 15 137	7.83	-99.76	-133.34	-99.94	-133.17	-2.43	-2113.92	-5826.23	-2143.75	-
5796.40331.43										
138	7.24	-94.36	-127.46	-97.30	-124.52	9.42	-2681.79	-5341.59	-2688.37	-
5335.00132.21										
161	5.57	-106.80	-130.85	-108.51	-129.14	6.18	-2449.26	-3556.52	-2579.36	-
3426.42356.56										
160	5.89	-109.37	-137.15	-109.38	-137.14	0.64	-1743.20	-3977.94	-2059.00	-
3662.13778.47										
120 35 137	7.77	-98.94	-136.51	-100.21	-135.23	6.80	-2000.42	-5715.49	-2054.60	-
5661.31445.34										
138	7.16	-87.69	-134.97	-97.04	-125.62	18.83	-2574.09	-5225.07	-2597.48	-
5201.68247.92										
161	5.54	-99.71	-138.50	-108.02	-130.19	15.91	-2265.12	-3509.40	-2482.42	-
3292.10472.40										
160	5.92	-105.93	-142.28	-109.06	-139.15	10.20	-1559.00	-3931.01	-1963.85	-
3526.17892.41										
120 112 137	5.92	-64.43	-88.58	-64.47	-88.54	-0.99	-1616.35	-4533.12	-1632.59	-

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138 4.86 21.63 1.69 21.18 2.13 2.94 -1924.62 -4550.89 -1926.86 -
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121 164 138	4.83	21.93	1.80	21.57	2.15	2.65	-1949.13	-4528.43	-1949.66	-
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139	4.89	22.25	2.78	22.12	2.91	-1.58	-1914.57	-4577.07	-1914.94	-
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162	3.44	19.03	5.35	18.99	5.39	-0.72	-1695.45	-3161.41	-1713.55	-
3143.32-161.87											
161	3.41	18.57	4.62	18.51	4.68	0.88	-1750.00	-3137.23	-1757.23	-
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121 193 138	5.49	22.23	-1.40	22.21	-1.39	0.55	-2133.92	-5104.85	-2137.41	-
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139	5.52	23.46	-1.38	22.81	-0.73	-3.96	-2096.25	-5121.00	-2096.59	-
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162	3.95	18.86	1.11	18.34	1.64	-3.01	-1881.61	-3696.90	-1891.91	-
3686.60-136.40											
161	3.97	18.04	0.94	17.97	1.01	-1.13	-1932.59	-3711.83	-1941.66	-
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121 218 138	5.13	22.37	-1.72	22.03	-1.39	2.82	-2055.51	-4776.02	-2056.15	-
4775.39-41.70											
139	5.18	22.68	-0.76	22.55	-0.64	-1.72	-2014.77	-4815.69	-2015.00	-
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161	3.56	19.21	1.27	19.14	1.34	1.11	-1842.07	-3312.52	-1848.48	-
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122 15 139	7.34	-92.37	-124.46	-95.79	-121.04	9.90	-2652.26	-5480.97	-2666.53	-
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5928.6436.87											
163	5.59	-95.85	-130.14	-102.93	-123.07	13.88	-1929.62	-3852.19	-2022.06	-
3759.75-411.29											
162	5.48	-102.51	-128.80	-106.36	-124.95	9.30	-2487.39	-3515.37	-2507.65	-
3495.11-142.87											
122 35 139	7.27	-83.99	-129.87	-93.95	-119.91	18.92	-2704.15	-5388.25	-2741.89	-
5350.51316.03											
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163	5.44	-86.59	-136.45	-101.71	-121.32	22.92	-2046.16	-3692.88	-2102.56	-
3636.48-299.50											
162	5.41	-93.78	-135.49	-105.32	-123.95	18.66	-2588.98	-3381.16	-2590.03	-
3380.11-28.87											
122 112 139	5.53	-59.07	-82.23	-60.98	-80.32	6.37	-2021.97	-4269.18	-2030.99	-
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122 159 139	5.20	-19.40	-39.04	-19.68	-38.76	2.32	-1961.12	-4443.19	-1965.40	-
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4766.2715.70											
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162	3.65	-24.14	-39.14	-24.63	-38.66	2.65	-1776.17	-2970.12	-1792.46	-
2953.84-138.49											
122 164 139	4.94	21.78	2.64	21.62	2.80	-1.74	-1898.31	-4619.17	-1899.81	-
4617.6863.77											
140	5.35	19.39	3.25	18.49	4.15	-3.70	-1536.86	-4923.64	-1536.87	-
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		165	5.35	-80.29	-115.03	-91.71	-103.61	16.32	-1801.42	-3852.97	-1844.48	-3809.90-294.09
		164	5.70	-87.49	-122.99	-93.77	-116.70	13.55	-1525.86	-4055.47	-1594.38	-3986.95-410.65
124	47	141	7.86	54.45	38.07	54.44	38.09	0.49	-1893.44	-6852.05	-1905.97	-6839.52-248.96
		142	7.58	59.05	39.12	58.17	40.01	4.10	-2115.78	-6602.46	-2219.93	-6498.30-675.63
		165	4.96	61.68	38.01	61.67	38.03	0.56	-1867.21	-4222.10	-1869.99	-4219.31-80.99
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		142	5.88	39.30	25.91	39.09	26.12	1.68	-1471.28	-5149.59	-1565.27	-5055.59-580.43
		165	3.82	42.44	24.70	42.37	24.77	-1.11	-1281.29	-3317.76	-1287.64	-3311.40-113.60
		164	4.05	41.89	21.90	41.83	21.96	-1.14	-1079.67	-3540.58	-1104.13	-3516.12-244.14
124	158	141	5.88	25.07	15.16	24.92	15.31	-1.19	-1234.81	-5199.01	-1249.86	-5183.96-243.85
		142	5.66	28.43	16.96	28.12	17.27	1.86	-1397.06	-5018.90	-1486.91	-4929.05-563.33
		165	3.64	31.46	15.94	31.33	16.07	-1.41	-1210.97	-3240.79	-1216.28	-3235.48-103.71
		164	3.86	30.79	12.90	30.68	13.01	-1.40	-1009.74	-3458.07	-1032.44	-3435.37-234.61
124	164	141	5.76	14.60	6.10	14.43	6.27	-1.19	-1209.39	-5169.05	-1224.44	-5154.00-243.64
		142	5.54	18.29	8.26	17.89	8.66	1.97	-1371.19	-4988.54	-1460.97	-4898.76-562.76
		165	3.52	21.20	7.40	20.97	7.64	-1.78	-1187.71	-3223.61	-1192.96	-3218.36-103.22
		164	3.78	20.43	4.08	20.24	4.27	-1.72	-986.98	-3440.97	-1009.51	-3418.45-234.03
124	181	141	6.29	13.03	1.66	13.02	1.67	0.38	-1353.97	-5655.01	-1358.64	-5650.34-141.66
		142	5.97	17.46	2.66	16.41	3.71	3.79	-1540.92	-5446.98	-1594.23	-5393.67-453.20
		165	4.01	20.16	2.82	20.16	2.82	-0.10	-1305.37	-3709.33	-1305.39	-3709.31 6.71
		164	4.36	19.52	-0.20	19.51	-0.19	-0.30	-1116.66	-3917.00	-1122.88	-3910.77-131.85
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		142	5.68	18.43	5.67	18.20	5.90	1.70	-1445.15	-5162.92	-1532.35	-5075.72-562.66
		165	3.62	21.56	4.62	21.30	4.87	-2.07	-1243.09	-3345.94	-1246.60	-3342.43-85.83
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148	4.57	55.03	-132.06	-30.97	-46.07	93.24	791.88	-1792.98	429.93	-
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171	3.37	18.34	-83.63	-33.58	-31.72	50.98	663.87	-1578.90	378.89	-
1293.92-746.95										
170	3.42	18.16	-89.61	-35.98	-35.48	53.88	449.29	-1618.39	-58.30	-
1110.80-889.88										
130 144 147	3.23	29.33	-97.50	-62.28	-5.88	56.80	12.77	-1560.78	-211.92	-
1336.09-550.52										
148	3.31	40.34	-87.37	-20.04	-26.99	63.76	631.16	-1338.92	388.45	-
1096.21-647.49										
171	2.48	15.18	-54.45	-22.12	-17.15	34.73	532.00	-1178.05	351.48	-
997.52-525.47										
170	2.46	15.44	-56.73	-22.78	-18.50	36.02	366.95	-1191.42	41.66	-
866.13-633.33										
130 159 147	2.99	34.99	-52.50	-42.10	24.59	28.31	259.68	-1490.86	165.66	-
1396.85-394.64										
148	2.72	31.79	-37.73	-8.67	2.72	34.29	762.08	-1200.65	632.75	-
1071.32-486.94										
171	2.25	18.32	-20.30	-10.66	8.68	16.71	655.54	-1078.36	591.05	-
1013.87-328.12										
170	2.10	20.02	-15.59	-7.56	11.99	14.88	486.59	-1069.57	360.69	-
943.67-424.34										
130 164 147	3.04	51.93	-20.65	-19.95	51.23	7.10	489.71	-1428.75	443.80	-
1382.85-293.20										
148	2.51	32.99	-0.50	4.56	27.92	11.99	836.20	-1138.90	763.78	-
1066.48-371.22										
171	2.31	31.04	0.92	1.99	29.97	5.58	765.55	-1035.74	741.60	-
1011.79-206.31										
170	2.18	38.64	8.98	9.00	38.63	0.73	660.34	-998.33	603.94	-
941.94-300.60										
130 169 147	3.21	51.16	-24.59	-24.58	51.15	0.84	558.44	-1521.77	509.46	-
1472.78-315.43										
148	2.64	30.00	-1.68	0.11	28.20	7.32	917.19	-1184.59	836.47	-
1103.88-403.89										
171	2.41	32.41	1.08	1.13	32.36	1.30	783.43	-1095.89	755.08	-
1067.54-229.06										
170	2.28	39.51	7.12	7.95	38.68	-5.12	672.45	-1096.51	613.96	-
1038.03-316.28										
130 218 147	3.14	52.68	-19.54	-19.09	52.23	5.69	598.40	-1438.57	555.38	-
1395.54-292.91										
148	2.58	34.00	1.20	5.53	29.67	11.10	914.68	-1133.36	845.03	-
1063.72-371.19										
171	2.38	31.80	2.16	2.87	31.08	4.55	843.60	-1029.01	822.80	-
1008.22-196.24										
170	2.24	39.11	9.80	9.82	39.09	-0.71	740.69	-996.52	694.58	-
950.41-279.24										
131 15 148	4.18	41.54	-105.93	-27.02	-37.37	73.56	877.10	-1750.70	522.12	-
1395.72-898.22										
149	3.52	37.81	-58.89	-11.08	-9.99	48.35	1092.36	-1282.81	682.04	-
872.49-897.90										
172	2.58	39.19	-40.75	-9.76	8.20	38.95	759.48	-979.42	674.08	-
894.01-375.79										
171	2.99	18.12	-61.20	-19.49	-23.59	39.61	747.05	-1478.06	556.85	-
1287.86-622.12										
131 79 148	4.36	42.49	-112.78	-25.95	-44.34	77.09	881.26	-1811.36	446.48	-
1376.58-990.79										
149	3.69	37.04	-66.21	-10.38	-18.79	51.45	1096.00	-1386.70	601.70	-
892.40-991.40										
172	2.67	36.11	-47.18	-10.25	-0.82	41.37	732.50	-1053.60	593.83	-
914.93-477.96										
171	3.10	17.61	-68.00	-19.61	-30.78	42.44	741.76	-1527.84	481.20	-
1267.28-723.51										
131 144 148	3.17	31.41	-74.25	-17.09	-25.75	52.65	687.09	-1354.11	393.50	-
1060.52-716.31										
149	2.68	26.96	-42.37	-6.66	-8.76	34.65	822.41	-1031.79	478.95	-
688.33-720.33										
172	1.96	27.70	-30.52	-6.55	3.73	28.65	558.26	-786.23	475.92	-
703.89-322.38										

		171	2.30	14.74	-43.70	-12.44	-16.52	29.15	587.12	-1140.53	423.11	-
976.52-506.41												
	131 158	148	2.59	37.88	2.14	3.96	36.07	7.85	808.37	-1174.02	715.47	-
1081.12-418.96												
		149	2.04	33.71	2.87	2.97	33.62	1.68	723.68	-847.55	585.39	-
709.26-445.15												
		172	1.87	39.22	1.14	3.14	37.23	8.49	602.79	-713.77	602.18	-
713.17-28.25												
		171	2.36	38.80	5.20	6.91	37.09	7.38	782.57	-1015.83	764.31	-
997.57-180.29												
	131 164	148	2.53	31.50	-1.39	1.57	28.53	9.42	811.78	-1163.93	718.83	-
1070.98-418.32												
		149	1.99	28.53	1.69	1.95	28.27	2.62	723.04	-839.88	583.61	-
700.45-445.50												
		172	1.80	34.10	0.13	2.14	32.09	8.01	600.82	-705.12	600.22	-
704.52-28.05												
		171	2.27	31.52	3.23	4.77	29.98	6.43	785.66	-1005.88	767.28	-
987.50-180.54												
	131 165	148	2.74	32.53	-0.21	0.94	31.38	6.04	1033.89	-1148.99	941.94	-
1057.04-438.47												
		149	2.22	35.90	2.76	2.77	35.89	-0.36	948.77	-804.17	813.76	-
669.16-467.36												
		172	2.06	41.16	2.63	3.88	39.92	6.82	822.55	-675.62	821.54	-
674.61-38.99												
		171	2.48	33.86	4.70	5.53	33.03	4.86	1000.03	-991.35	981.60	-
972.92-190.72												
	131 218	148	2.60	32.80	0.05	2.57	30.29	8.72	890.31	-1158.06	801.01	-
1068.76-418.27												
		149	2.05	31.12	2.85	3.00	30.96	2.09	793.96	-820.85	661.62	-
688.51-442.93												
		172	1.88	36.13	1.35	3.16	34.31	7.73	680.74	-692.90	680.44	-
692.59-20.56												
		171	2.34	32.25	4.60	5.73	31.12	5.48	864.00	-999.30	848.48	-
983.78-169.35												
	132 7	149	2.50	53.00	-0.42	-0.31	52.89	2.42	483.60	-1216.19	260.25	-
992.83-574.26												
		150	1.85	41.44	0.77	0.81	41.39	-1.33	-27.03	-1055.21	-33.74	-
1048.51-82.76												
		173	1.92	45.99	0.74	0.76	45.97	0.97	-33.11	-1053.19	-33.15	-
1053.16-6.33												
		172	2.22	57.08	-0.33	-0.25	57.01	2.06	258.53	-1000.05	252.38	-
993.91-87.71												
	132 91	149	2.46	47.52	-0.15	0.18	47.19	3.94	497.01	-1218.38	258.01	-
979.39-594.01												
		150	1.75	34.88	1.09	1.10	34.88	0.08	-25.55	-1044.68	-36.10	-
1034.13-103.16												
		173	1.81	39.41	0.28	0.36	39.33	1.75	-36.94	-1038.92	-37.76	-
1038.10-28.61												
		172	2.13	51.34	-0.73	-0.56	51.17	2.95	257.87	-989.52	248.21	-
979.86-109.33												
	132 108	149	1.90	39.22	-0.46	-0.34	39.10	2.17	371.22	-931.36	200.06	-
760.21-440.05												
		150	1.41	30.92	0.54	0.57	30.90	-0.87	-20.75	-808.18	-25.90	-
803.03-63.48												
		173	1.46	34.55	0.52	0.53	34.53	0.63	-25.42	-806.68	-25.44	-
806.66-4.66												
		172	1.68	42.42	-0.32	-0.28	42.38	1.34	198.58	-765.68	194.01	-
761.11-66.24												
	132 158	149	1.83	34.27	-0.95	-0.66	33.99	3.16	364.27	-912.16	198.85	-
746.74-428.70												
		150	1.35	27.94	0.37	0.38	27.94	-0.38	-20.54	-794.40	-25.56	-
789.38-62.13												
		173	1.41	31.90	0.35	0.35	31.90	0.27	-25.11	-793.21	-25.13	-
793.20-3.44												
		172	1.59	37.59	-0.54	-0.54	37.59	0.53	196.48	-751.55	192.85	-
747.91-58.57												
	132 164	149	1.78	29.36	-1.58	-0.99	28.78	4.22	366.11	-904.26	199.25	-
737.39-429.11												
		150	1.30	24.77	0.19	0.19	24.77	0.12	-20.42	-785.26	-25.52	-

780.15-62.26
173 1.36 29.15 0.17 0.17 29.15 -0.10 -25.08 -784.16 -25.09 -
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172 1.52 32.78 -0.81 -0.81 32.78 -0.27 196.77 -742.40 193.14 -
738.77-58.26
132 165 149 1.88 36.15 -2.06 -1.98 36.07 1.74 372.94 -931.60 203.55 -
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173 1.56 40.56 0.46 0.49 40.54 1.06 -18.86 -810.37 -19.06 -
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172 1.66 40.17 -1.38 -1.37 40.16 0.83 203.90 -768.30 199.14 -
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150 1.35 27.88 0.19 0.19 27.88 0.09 -20.99 -789.00 -26.01 -
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172 1.55 34.78 -0.83 -0.83 34.78 -0.36 198.61 -744.91 195.92 -
742.21-50.36
133 16 151 9.85 254.91 20.48 20.69 254.70 6.98 -26.12 -5216.01 -36.78 -
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152 10.60 212.93 -37.94 -25.51 200.49 -54.45 84.19 -5896.58 -215.92 -
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175 14.78 221.48 -141.78 -31.32 111.02 167.11 -298.96 -1.006e+04 -2848.80 -
7513.374289.00
174 11.54 138.02 -23.19 -21.17 135.99 -17.95 577.17 -7364.40 526.77 -
7314.00630.63
133 102 151 9.62 246.78 21.59 21.61 246.75 2.44 -33.28 -5124.96 -51.29 -
5106.95302.28
152 10.51 211.37 -38.79 -23.81 196.39 -59.35 110.79 -5824.36 -228.05 -
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175 14.88 216.87 -141.93 -31.60 106.54 165.57 -187.58 -1.005e+04 -2837.08 -
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174 11.35 130.05 -24.61 -22.21 127.65 -19.11 600.34 -7275.39 536.11 -
7211.16708.34
133 155 151 7.07 178.58 14.38 14.40 178.56 1.52 -32.19 -3793.95 -44.22 -
3781.92212.44
152 7.67 153.15 -24.35 -16.11 144.91 -37.33 154.58 -4243.75 -67.31 -
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174 7.98 95.60 -16.21 -14.77 94.16 -12.59 390.46 -5090.29 350.97 -
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133 159 151 4.60 113.07 6.83 6.87 113.03 2.11 -28.24 -2493.76 -32.31 -
2489.68100.15
152 4.88 96.57 -10.75 -8.98 94.80 -13.68 196.03 -2693.73 97.47 -
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175 4.87 91.89 -45.47 -10.38 56.79 59.91 -250.19 -3574.21 -859.61 -
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174 4.68 63.91 -7.43 -6.98 63.45 -5.68 174.73 -2936.72 162.72 -
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133 164 151 1.97 42.19 -0.04 -0.03 42.19 -0.32 -29.11 -1132.82 -30.08 -
1131.8532.74
152 2.12 42.98 -1.75 -0.72 41.95 6.71 267.33 -1107.69 254.17 -
1094.53133.88
175 1.49 30.97 -1.20 0.09 29.68 6.31 187.72 -743.24 134.99 -
690.51-215.19
174 1.27 27.19 0.11 0.12 27.18 0.46 -18.36 -731.02 -19.30 -
730.07-25.95
133 191 151 2.15 49.37 -0.75 -0.50 49.13 3.51 -18.79 -1189.92 -19.03 -
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1159.0080.30
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756.65-278.43
174 1.45 34.37 0.67 0.69 34.34 0.96 -23.00 -799.55 -32.43 -
790.13-85.05

133	214	151	2.08	46.80	-0.02	-0.01	46.79	-0.41	-29.83	-1169.08	-30.35	-1168.5624.24
		152	2.22	46.69	-1.99	-0.90	45.60	7.19	260.24	-1139.32	255.11	-1134.1984.59
		175	1.60	33.51	-1.27	0.07	32.17	6.69	203.12	-798.58	129.50	-724.95-261.40
		174	1.36	30.94	0.11	0.12	30.93	0.57	-17.45	-760.16	-18.81	-758.80-31.74
134	15	152	11.18	249.02	-62.59	8.15	178.29	-130.53	-219.26	-6217.63	-513.08	-5923.811294.64
		153	7.71	74.29	-151.70	29.08	-106.49	-90.40	-281.07	-5714.59	-798.21	-5197.461594.50
		176	10.17	31.25	-287.29	11.41	-267.45	-76.98	2819.45	-5510.03	555.17	-3245.743705.85
		175	16.92	292.23	-288.22	-115.06	119.08	-265.57	-1022.57	-9149.74	-2733.26	-7439.053313.10
134	101	152	11.08	240.95	-60.94	6.46	173.54	-125.72	-223.26	-6186.64	-586.14	-5823.761425.59
		153	7.51	70.39	-147.41	28.39	-105.41	-85.92	-224.78	-5644.42	-857.05	-5012.141739.81
		176	10.31	26.79	-283.31	9.92	-266.44	-70.35	3055.14	-5524.31	583.66	-3052.833885.32
		175	16.94	281.66	-285.09	-117.59	114.16	-258.60	-892.07	-9209.98	-2770.69	-7331.363478.07
134	155	152	7.64	164.65	-39.01	4.41	121.23	-83.41	-104.63	-4266.24	-342.22	-4028.64965.56
		153	5.24	47.48	-94.46	20.17	-67.16	-55.94	-217.29	-3993.20	-631.29	-3579.201179.76
		176	6.97	18.64	-186.32	7.52	-175.21	-46.42	1992.50	-3755.80	402.67	-2165.982571.24
		175	11.35	191.33	-189.74	-78.37	79.96	-173.31	-624.85	-6175.08	-1816.46	-4983.472278.98
134	159	152	4.84	100.83	-14.74	3.16	82.93	-41.81	125.68	-2686.10	35.27	-2595.69496.02
		153	3.55	27.10	-34.37	14.99	-22.26	-24.45	-361.39	-2902.33	-520.73	-2743.00616.02
		176	3.84	13.70	-84.90	7.68	-78.88	-23.61	791.53	-2186.44	242.72	-1637.631154.62
		175	5.95	112.63	-94.82	-38.26	56.07	-92.38	-425.25	-3242.75	-780.74	-2887.26935.53
134	164	152	2.19	41.70	0.57	0.79	41.48	3.00	372.87	-1104.85	364.06	-1096.04113.78
		153	2.26	28.60	4.12	9.35	23.36	10.04	-432.92	-1799.73	-449.40	-1783.25149.15
		176	1.52	19.18	5.78	6.84	18.12	3.62	120.16	-999.09	101.76	-980.68-142.34
		175	1.53	30.43	-1.36	0.18	28.90	-6.81	315.78	-805.01	230.02	-719.25-297.95
134	191	152	2.39	45.15	1.73	1.74	45.15	0.58	486.03	-1148.68	485.90	-1148.5414.67
		153	2.41	26.09	5.58	9.54	22.13	8.09	-336.15	-1892.68	-337.40	-1891.4344.06
		176	1.73	17.05	8.26	8.26	17.05	-0.09	227.86	-1146.98	172.14	-1091.27-271.11
		175	1.76	36.34	-1.04	2.49	32.81	-10.93	483.56	-914.61	342.89	-773.94-420.59
134	214	152	2.34	45.23	0.97	1.09	45.10	2.36	468.40	-1119.42	465.56	-1116.5867.11
		153	2.35	30.36	4.62	9.74	25.23	10.28	-357.16	-1826.87	-364.14	-1819.88101.07
		176	1.64	20.09	6.64	7.83	18.90	3.82	219.85	-1034.22	186.83	-1001.20-200.80
		175	1.68	33.34	-0.46	1.30	31.58	-7.50	452.67	-827.19	352.76	-727.28-343.34
135	15	153	7.65	73.83	-144.11	27.32	-97.61	-89.29	-114.16	-5736.61	-673.17	-5177.611682.40
		154	8.06	4.24	-188.83	2.25	-186.84	-19.50	-162.83	-5198.09	-1277.33	-4083.592090.38
		177	8.66	-71.27	-233.22	-86.31	-218.19	47.00	1990.37	-4268.42	-1305.14	-

972.913124.99										
176	9.57	-15.34	-251.66	-28.28	-238.72	-53.76	2560.79	-5535.00	13.21	-
2987.423759.59										
135 102 153	7.06	71.52	-152.53	22.53	-103.54	-92.61	185.26	-5129.12	-507.88	-
4435.971789.75										
154	7.25	-0.74	-191.13	-3.35	-188.52	-22.13	413.09	-4443.29	-906.08	-
3124.132160.13										
177	8.59	-76.24	-234.49	-90.66	-220.07	45.54	2521.25	-3963.72	-1077.78	-
364.693222.83										
176	9.78	-18.55	-256.32	-31.62	-243.24	-54.20	2927.32	-5405.39	11.29	-
2489.363974.32										
135 122 153	5.47	45.01	-90.26	18.66	-63.91	-53.57	115.15	-3960.63	-206.00	-
3639.471098.10										
154	5.76	2.78	-125.61	2.40	-125.23	-7.00	-29.31	-3611.57	-689.86	-
2951.021389.21										
177	5.91	-43.82	-159.18	-57.00	-146.00	36.71	1413.46	-2749.17	-619.12	-
716.592080.75										
176	6.59	-12.29	-165.15	-18.86	-158.58	-31.01	1875.51	-3591.65	350.89	-
2067.032451.71										
135 159 153	3.57	27.49	-31.87	15.02	-19.40	-24.18	-289.03	-2920.25	-462.15	-
2747.14652.33										
154	4.01	8.98	-54.37	8.97	-54.36	-0.93	-654.21	-3010.71	-1025.23	-
2639.69858.29										
177	3.55	-14.84	-72.15	-22.63	-64.35	19.64	357.99	-2070.09	-771.90	-
940.201211.12										
176	3.61	-2.12	-72.89	-5.94	-69.07	-16.00	710.24	-2195.98	72.02	-
1557.751203.12										
135 164 153	2.28	28.54	5.08	10.44	23.18	9.85	-400.96	-1820.86	-419.58	-
1802.24161.53										
154	2.59	24.07	4.41	14.50	13.98	9.83	-993.54	-2320.49	-1057.86	-
2256.16284.99										
177	1.42	20.10	5.52	10.84	14.78	7.02	-453.29	-1228.02	-594.44	-
1086.88299.04										
176	1.53	19.40	5.28	6.15	18.53	3.39	126.30	-998.66	119.32	-
991.68-88.38										
135 177 153	2.37	29.13	8.17	12.24	25.06	8.30	-647.73	-1950.71	-689.44	-
1908.99229.36										
154	2.79	23.92	7.47	16.13	15.26	8.21	-1235.30	-2496.88	-1334.34	-
2397.83339.33										
177	1.68	19.94	8.82	12.67	16.09	5.29	-694.57	-1450.37	-909.35	-
1235.59340.88										
176	1.51	20.65	7.96	8.16	20.45	1.60	-187.60	-1106.41	-188.82	-
1105.19-33.51										
135 200 153	2.30	27.76	3.97	9.20	22.52	9.86	-661.56	-1913.22	-700.97	-
1873.81218.57										
154	2.71	23.18	3.91	13.41	13.68	9.63	-1228.06	-2447.23	-1328.22	-
2347.07334.78										
177	1.57	18.84	4.91	9.38	14.37	6.50	-660.52	-1386.43	-877.12	-
1169.83332.14										
176	1.45	18.69	3.62	4.18	18.13	2.85	-170.86	-1065.88	-173.24	-
1063.50-46.08										
136 15 154	7.78	-6.99	-179.56	-9.91	-176.64	-22.25	-277.29	-5204.22	-1422.29	-
4059.222080.94										
155	6.98	-52.28	-166.45	-52.45	-166.29	4.33	-840.28	-4777.04	-2224.45	-
3392.871879.69										
178	6.79	-102.50	-170.56	-116.78	-156.28	27.71	786.04	-3973.70	-2466.73	-
720.932214.00										
177	8.23	-89.66	-214.79	-99.94	-204.52	34.35	1811.94	-4263.11	-1337.70	-
1113.463035.46										
136 35 154	7.90	-10.03	-181.50	-11.14	-180.39	-13.76	59.73	-4963.28	-956.33	-
3947.222017.74										
155	6.92	-52.40	-170.75	-53.65	-169.50	12.09	-530.04	-4452.85	-1748.13	-
3234.751815.11										
178	6.80	-98.87	-180.67	-119.69	-159.86	35.63	1133.89	-3646.32	-1956.11	-
556.322285.34										
177	8.47	-87.63	-223.91	-102.91	-208.62	43.00	2185.68	-4018.71	-837.46	-
995.583101.19										
136 122 154	5.57	-4.91	-118.87	-5.45	-118.33	-7.85	-103.64	-3608.38	-781.37	-
2930.651384.18										

155	4.94	-32.52	-112.61	-33.56	-111.57	9.06	-563.20	-3300.85	-1377.54	-2486.501251.50
178	4.73	-63.43	-119.32	-77.96	-104.80	24.51	633.40	-2648.54	-1500.52	-514.611565.18
177	5.80	-56.42	-147.88	-67.24	-137.07	29.53	1384.87	-2834.58	-645.18	-804.532108.22
136 159 154	3.91	5.15	-50.73	5.09	-50.67	-1.79	-701.26	-3008.62	-1085.32	-2624.56859.45
155	3.78	-7.36	-50.12	-8.13	-49.35	5.67	-1170.40	-3006.07	-1643.00	-2533.47802.61
178	3.14	-23.69	-52.00	-31.14	-44.55	12.47	-254.45	-2253.87	-1657.15	-851.16914.89
177	3.40	-21.50	-65.59	-27.48	-59.60	15.10	295.22	-2079.92	-815.12	-969.591185.06
136 164 154	2.59	24.59	4.72	14.82	14.49	9.94	-1009.27	-2313.15	-1078.62	-2243.80292.60
155	2.86	21.62	5.61	16.51	10.72	7.46	-1492.66	-2573.28	-1590.91	-2475.02310.68
178	1.88	19.23	7.81	13.73	13.31	5.70	-906.19	-1645.16	-1473.37	-1077.98312.15
177	1.41	19.59	5.82	10.29	15.12	6.45	-487.25	-1220.37	-651.56	-1056.06305.71
136 169 154	2.79	20.89	11.52	15.95	16.45	4.68	-1311.03	-2457.50	-1397.18	-2371.34302.24
155	3.15	18.69	11.34	17.64	12.40	2.58	-1796.13	-2766.82	-1918.55	-2644.40322.24
178	2.24	16.21	14.66	15.70	15.17	0.73	-1166.48	-1904.05	-1819.65	-1250.88234.80
177	1.63	17.49	12.05	12.29	17.26	1.10	-836.73	-1338.80	-988.76	-1186.78230.68
136 200 154	2.71	23.55	4.23	13.70	14.09	9.66	-1239.78	-2442.43	-1346.45	-2335.76341.92
155	3.02	20.35	5.33	15.15	10.52	7.15	-1693.58	-2711.77	-1825.67	-2579.67342.12
178	2.12	18.18	7.19	12.47	12.91	5.49	-1020.74	-1881.80	-1730.23	-1172.31327.93
177	1.58	18.61	5.19	9.06	14.74	6.08	-684.52	-1391.76	-937.18	-1139.10338.90
137 15 155	6.86	-58.58	-164.28	-58.64	-164.21	-2.53	-890.92	-4781.05	-2260.52	-3411.441857.99
156	6.25	-81.39	-146.27	-81.48	-146.18	2.41	-1395.22	-4395.64	-2545.58	-3245.281458.85
179	5.46	-115.32	-140.07	-119.30	-136.10	9.09	-104.95	-3506.35	-2839.43	-771.881350.44
178	6.79	-109.51	-171.27	-122.86	-157.92	25.42	753.74	-3989.44	-2493.68	-742.012203.94
137 101 155	6.73	-60.07	-162.08	-60.11	-162.04	-1.97	-536.86	-4645.99	-2128.64	-3054.212001.76
156	6.08	-82.73	-144.19	-82.94	-143.99	3.54	-1018.27	-4238.32	-2406.01	-2850.581594.61
179	5.55	-113.58	-138.73	-118.79	-133.52	10.19	349.80	-3454.09	-2722.54	-381.761499.20
178	6.95	-108.17	-169.57	-122.36	-155.37	25.88	1176.15	-3949.93	-2384.43	-389.352360.95
137 155 155	4.82	-37.87	-106.55	-37.87	-106.55	-0.33	-576.78	-3421.24	-1633.88	-2364.141374.56
156	4.40	-52.81	-95.08	-53.01	-94.87	2.94	-938.25	-3160.11	-1839.81	-2258.551091.02
179	3.88	-73.38	-91.27	-77.12	-87.53	7.28	63.86	-2522.94	-2049.54	-409.531000.24
178	4.83	-69.67	-111.87	-79.75	-101.78	18.00	660.39	-2852.23	-1790.18	-401.671613.27
137 159 155	3.74	-9.91	-48.76	-10.20	-48.47	3.35	-1198.54	-2998.97	-1666.35	-2531.16789.57
156	3.63	-17.09	-44.37	-17.49	-43.97	3.25	-1514.59	-2940.05	-1850.67	-2603.96605.08
179	2.69	-28.51	-41.50	-30.96	-39.05	5.08	-744.62	-2114.74	-1943.19	-916.17453.45
178	3.14	-26.06	-52.15	-33.21	-45.00	11.64	-274.34	-2260.52	-1683.59	-

851.27901.69
137 164 155 2.85 21.66 5.89 16.49 11.06 7.40 -1515.36 -2555.55 -1610.90 -
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156 3.05 18.86 6.60 17.07 8.39 4.32 -1722.87 -2731.86 -1768.49 -
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179 2.10 17.58 9.11 15.54 11.15 3.62 -1162.67 -1758.96 -1758.90 -
1162.73 5.84
178 1.89 19.15 7.99 13.67 13.48 5.58 -917.62 -1652.31 -1504.17 -
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137 177 155 3.13 22.02 8.41 18.17 12.27 6.13 -1777.90 -2767.30 -1900.55 -
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179 2.46 18.13 11.12 17.26 11.99 2.31 -1382.62 -2079.81 -2079.39 -
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178 2.25 19.28 10.93 15.47 14.73 4.16 -1117.73 -1955.07 -1817.96 -
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137 200 155 3.02 20.52 5.58 15.24 10.86 7.14 -1715.80 -2693.39 -1844.88 -
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156 3.21 17.57 6.34 15.69 8.23 4.20 -1909.23 -2851.49 -1964.32 -
2796.41221.07
179 2.30 16.39 8.57 14.13 10.83 3.54 -1264.60 -1971.25 -1971.19 -
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178 2.13 18.23 7.39 12.49 13.13 5.41 -1029.12 -1891.76 -1759.94 -
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138 15 156 6.19 -86.16 -146.87 -86.31 -146.72 -3.09 -1412.77 -4380.93 -2533.44 -
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157 5.95 -94.93 -139.98 -94.97 -139.94 -1.35 -1595.62 -4104.11 -2235.59 -
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180 4.16 -117.01 -135.07 -117.03 -135.06 -0.48 -731.52 -2504.35 -2215.96 -
1019.91654.29
179 5.48 -120.58 -142.71 -124.74 -138.54 8.65 -122.23 -3485.58 -2832.80 -
775.011330.19
138 35 156 6.18 -87.61 -149.43 -87.91 -149.12 4.32 -1040.55 -4212.51 -2171.65 -
3081.421519.35
157 5.88 -95.63 -142.64 -96.42 -141.86 6.03 -1197.54 -3933.04 -1868.69 -
3261.891177.07
180 3.96 -116.07 -139.51 -118.55 -137.04 7.20 -422.77 -2224.71 -1832.95 -
814.53743.27
179 5.39 -115.79 -151.61 -126.40 -141.00 16.35 170.19 -3218.18 -2454.90 -
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138 112 156 4.48 -55.22 -96.74 -55.27 -96.68 -1.49 -1196.44 -3258.64 -1923.48 -
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157 4.36 -61.02 -92.65 -61.03 -92.64 -0.66 -1297.65 -3105.13 -1690.59 -
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180 2.92 -75.84 -89.14 -75.84 -89.14 -0.11 -695.90 -1815.78 -1647.96 -
863.71399.72
179 3.84 -78.06 -93.91 -81.10 -90.88 6.23 -252.77 -2540.88 -2122.10 -
671.55884.78
138 159 156 3.61 -19.04 -44.19 -19.12 -44.11 1.39 -1521.06 -2928.78 -1841.18 -
2608.67590.05
157 3.71 -21.96 -43.88 -21.97 -43.86 0.59 -1461.53 -3000.98 -1596.05 -
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180 2.11 -29.72 -41.24 -29.77 -41.20 0.74 -1109.78 -1475.17 -1463.94 -
1121.0063.06
179 2.69 -30.32 -42.36 -32.81 -39.87 4.87 -756.37 -2097.10 -1936.92 -
916.55434.86
138 164 156 3.05 18.79 6.70 17.03 8.46 4.26 -1719.58 -2725.03 -1758.88 -
2685.73194.85
157 3.28 17.36 4.64 17.09 4.92 1.84 -1491.46 -3030.76 -1501.50 -
3020.72123.93
180 1.90 16.56 6.49 16.30 6.75 1.59 -1051.11 -1607.09 -1279.92 -
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179 2.09 17.43 9.18 15.47 11.14 3.51 -1161.16 -1752.12 -1751.74 -
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138 193 156 3.35 19.06 6.87 18.51 7.42 2.53 -1917.79 -2998.24 -1931.91 -
2984.12122.72
157 3.58 18.28 2.49 18.28 2.49 -0.29 -1676.49 -3339.67 -1678.40 -
3337.7556.41

180	2.19	16.52	4.03	16.42	4.13	-1.13	-1201.84	-1937.60	-1446.28	-1693.17-346.55
179	2.33	15.94	9.66	15.70	9.90	1.20	-1439.57	-1932.46	-1914.24	-1457.78-92.98
138 216 156	3.18	19.50	4.83	17.49	6.84	5.05	-1838.79	-2856.55	-1869.91	-2825.43175.24
157	3.42	17.89	2.31	17.54	2.67	2.32	-1605.92	-3183.96	-1612.81	-3177.07104.06
180	2.03	16.91	4.34	16.57	4.68	2.03	-1125.28	-1743.19	-1379.05	-1489.42-303.99
179	2.22	17.95	7.48	15.75	9.68	4.27	-1259.04	-1859.40	-1855.57	-1262.87-47.82
139 15 157	5.93	-97.61	-141.74	-98.36	-141.00	-5.69	-1572.55	-4104.32	-2187.18	-3489.691085.51
158	6.11	-101.80	-142.51	-101.95	-142.37	-2.44	-1365.39	-4158.38	-1715.56	-3808.21924.88
181	3.60	-113.61	-142.94	-113.72	-142.83	-1.84	-688.91	-1810.18	-1110.22	-1388.87543.05
180	4.15	-122.66	-137.97	-122.84	-137.79	-1.64	-759.66	-2429.66	-2140.22	-1049.10632.13
139 35 157	5.88	-99.68	-142.93	-99.72	-142.89	1.34	-1222.73	-3964.69	-1887.31	-3300.111174.99
158	6.06	-102.77	-145.06	-103.30	-144.52	4.72	-1015.81	-4012.01	-1414.47	-3613.361017.60
181	3.50	-113.85	-145.87	-114.76	-144.96	5.31	-328.11	-1659.77	-796.27	-1191.61635.81
180	3.99	-122.22	-141.31	-123.88	-139.65	5.38	-472.85	-2211.78	-1827.50	-857.13721.51
139 112 157	4.35	-62.88	-93.77	-63.29	-93.36	-3.54	-1277.29	-3107.25	-1653.38	-2731.17739.45
158	4.54	-65.62	-94.81	-65.70	-94.73	-1.48	-1076.87	-3201.08	-1289.63	-2988.32637.71
181	2.58	-73.49	-95.10	-73.55	-95.04	-1.14	-592.58	-1357.85	-801.57	-1148.86340.97
180	2.91	-79.67	-91.08	-79.75	-91.00	-0.91	-718.28	-1757.60	-1589.69	-886.19382.52
139 159 157	3.72	-23.04	-44.32	-23.07	-44.29	-0.84	-1432.16	-3009.98	-1558.91	-2883.23428.87
158	4.07	-24.34	-46.69	-24.34	-46.69	-0.20	-1115.26	-3256.58	-1192.00	-3179.83398.06
181	2.08	-28.26	-46.86	-28.27	-46.86	-0.22	-620.53	-1421.08	-631.13	-1410.4891.50
180	2.10	-31.82	-42.29	-31.83	-42.28	0.25	-1135.91	-1413.27	-1405.64	-1143.5545.38
139 164 157	3.29	17.42	4.51	17.15	4.79	1.86	-1455.59	-3044.15	-1464.45	-3035.29118.30
158	3.70	17.09	1.28	17.02	1.35	1.07	-1083.41	-3382.31	-1094.38	-3371.34158.40
181	1.92	17.05	1.29	17.02	1.32	0.69	-440.43	-1692.37	-460.69	-1672.11-157.97
180	1.88	16.29	6.23	16.09	6.43	1.40	-1006.02	-1616.47	-1221.58	-1400.91-291.76
139 193 157	3.59	18.77	2.43	18.75	2.45	-0.57	-1639.79	-3354.20	-1641.55	-3352.4454.90
158	4.08	18.37	-2.74	18.27	-2.63	-1.51	-1269.23	-3702.37	-1273.46	-3698.14101.37
181	2.33	18.22	-3.06	17.89	-2.73	-2.63	-589.39	-2029.22	-623.08	-1995.53-217.66
180	2.18	17.55	3.79	17.32	4.02	-1.76	-1153.54	-1943.15	-1382.00	-1714.69-358.06
139 218 157	3.42	18.40	2.12	18.03	2.49	2.44	-1550.30	-3190.49	-1555.98	-3184.8196.32
158	3.90	17.94	-1.56	17.84	-1.46	1.42	-1180.76	-3542.65	-1189.13	-3534.28140.42
181	2.07	17.88	-1.60	17.83	-1.55	0.98	-510.84	-1810.59	-537.35	-1784.08-183.72
180	2.01	17.10	4.08	16.81	4.37	1.93	-1061.72	-1741.86	-1298.74	-1504.84-324.08
140 15 158	6.11	-101.06	-144.29	-102.04	-143.31	-6.45	-1330.60	-4176.48	-1681.77	-

3825.30935.99											
	159	6.22	-106.68	-144.16	-106.69	-144.15	-0.65	-1290.42	-4212.38	-1584.33	-
3918.48878.87											
	182	4.13	-113.95	-145.94	-113.96	-145.92	0.58	-115.23	-2274.55	-848.60	-
1541.181022.62											
	181	3.68	-123.13	-145.67	-123.49	-145.32	-2.81	-620.46	-1841.63	-1021.29	-
1440.80573.43											
140	35	158	6.07	-102.89	-145.40	-102.90	-145.39	0.48	-1030.72	-4050.98	-1439.93	-
3641.771033.67											
	159	6.20	-106.67	-147.60	-107.67	-146.59	6.34	-995.17	-4091.96	-1344.03	-
3743.10979.10											
	182	4.19	-113.30	-149.84	-114.83	-148.32	7.30	200.78	-2164.47	-599.46	-
1364.241119.10											
	181	3.61	-123.62	-147.98	-124.24	-147.36	3.84	-303.10	-1723.22	-770.62	-
1255.71667.35											
140	112	158	4.54	-65.15	-95.94	-65.72	-95.37	-4.14	-1049.53	-3215.11	-1263.52	-
3001.12646.24											
	159	4.64	-68.84	-96.09	-68.84	-96.09	-0.20	-1003.11	-3264.26	-1188.42	-
3078.94620.23											
	182	3.00	-73.60	-97.39	-73.61	-97.38	0.56	-135.37	-1736.06	-604.88	-
1266.55728.77											
	181	2.64	-79.93	-96.94	-80.12	-96.75	-1.78	-532.25	-1390.49	-734.20	-
1188.54364.06											
140	159	158	4.08	-24.11	-47.17	-24.21	-47.07	-1.49	-1087.00	-3270.02	-1165.54	-
3191.48406.56											
	159	4.24	-25.80	-48.03	-25.83	-48.00	0.78	-1005.65	-3373.63	-1089.97	-
3289.30438.83											
	182	2.54	-27.90	-49.10	-27.94	-49.06	0.91	-225.17	-1753.99	-449.25	-
1529.91540.71											
	181	2.14	-31.78	-47.92	-31.80	-47.90	-0.53	-552.71	-1463.71	-567.13	-
1449.29113.70											
140	164	158	3.73	17.39	1.15	17.31	1.24	1.16	-1055.58	-3393.82	-1067.55	-
3381.85166.87											
	159	3.94	17.36	-0.10	17.17	0.08	1.77	-965.37	-3525.81	-991.52	-
3499.66257.42											
	182	2.29	17.82	-0.83	17.73	-0.74	1.27	-214.82	-1872.05	-293.61	-
1793.26352.66											
	181	1.98	16.56	0.92	16.53	0.95	0.71	-385.95	-1724.16	-400.06	-
1710.05-136.67											
140	193	158	4.10	18.66	-2.78	18.61	-2.73	-1.06	-1241.38	-3711.77	-1244.83	-
3708.3292.29											
	159	4.30	18.47	-3.98	18.46	-3.98	-0.25	-1156.42	-3843.78	-1169.69	-
3830.51188.38											
	182	2.60	19.59	-4.71	19.56	-4.69	-0.77	-406.85	-2167.50	-453.85	-
2120.50283.81											
	181	2.40	18.49	-3.02	18.38	-2.91	-1.54	-529.67	-2062.65	-559.40	-
2032.91-211.41											
140	218	158	3.93	18.33	-1.73	18.20	-1.60	1.60	-1153.05	-3554.07	-1162.33	-
3544.79148.96											
	159	4.15	18.20	-3.28	17.98	-3.06	2.14	-1064.30	-3694.67	-1087.28	-
3671.69244.77											
	182	2.43	18.58	-4.03	18.46	-3.92	1.61	-299.47	-1980.22	-369.40	-
1910.29335.63											
	181	2.13	17.39	-1.98	17.31	-1.90	1.25	-457.20	-1841.44	-476.49	-
1822.14-162.30											
141	15	159	6.19	-104.29	-145.16	-105.06	-144.39	-5.57	-1302.76	-4216.28	-1608.09	-
3910.95892.40											
	160	5.94	-108.70	-140.72	-108.91	-140.50	2.62	-1709.15	-3980.39	-1994.43	-
3695.12752.69											
	183	4.54	-118.26	-142.18	-118.30	-142.14	1.04	-420.58	-2766.49	-1836.72	-
1350.351147.47											
	182	4.19	-125.16	-146.94	-125.17	-146.93	0.47	-100.59	-2302.92	-899.01	-
1504.491058.73											
141	35	159	6.18	-105.37	-146.79	-105.43	-146.74	1.48	-1061.12	-4117.51	-1430.97	-
3747.66996.80											
	160	5.93	-106.79	-145.28	-109.35	-142.72	9.59	-1460.57	-3898.72	-1818.91	-
3540.39863.29											
	183	4.61	-116.63	-146.66	-118.89	-144.40	7.92	-142.04	-2691.02	-1641.14	-
1191.921254.54											

		182	4.27	-123.56	-151.45	-125.71	-149.31	7.43	182.67	-2222.09	-701.87	-1337.541159.61
	141	112	159	4.62	-67.29	-96.66	-67.71	-96.24	-3.47	-1013.30	-3266.01	-1206.27	-3073.04630.44
			160	4.42	-70.06	-93.63	-70.24	-93.45	2.05	-1320.11	-3092.74	-1502.71	-2910.14538.84
			183	3.28	-76.37	-94.55	-76.41	-94.51	0.87	-392.37	-2091.65	-1363.50	-1120.52840.91
			182	3.04	-81.15	-98.03	-81.16	-98.02	0.51	-129.03	-1753.83	-644.45	-1238.42756.17
	141	159	159	4.23	-25.07	-48.07	-25.10	-48.04	-0.83	-1017.66	-3371.80	-1106.41	-3283.05448.40
			160	4.00	-26.02	-46.15	-26.25	-45.91	2.16	-1308.91	-3221.83	-1400.46	-3130.28408.34
			183	2.64	-28.91	-46.38	-28.98	-46.31	1.07	-583.57	-2005.84	-1203.06	-1386.35705.21
			182	2.53	-31.94	-49.30	-32.00	-49.25	0.98	-237.28	-1756.14	-491.37	-1502.06566.89
	141	164	159	3.93	17.69	-0.03	17.50	0.15	1.81	-978.35	-3521.27	-1006.56	-3493.06266.35
			160	3.66	18.05	1.31	17.73	1.63	2.27	-1261.26	-3387.38	-1298.21	-3350.43277.84
			183	2.19	18.55	1.79	18.45	1.88	1.28	-701.47	-1993.33	-1042.62	-1652.18569.51
			182	2.25	17.28	-0.60	17.16	-0.48	1.44	-244.55	-1859.43	-338.29	-1765.69377.60
	141	185	159	4.27	19.09	-3.72	17.85	-2.49	5.17	-1109.61	-3801.58	-1148.95	-3762.23323.06
			160	4.02	19.79	-2.11	18.19	-0.51	5.71	-1391.25	-3681.63	-1442.73	-3630.14339.52
			183	2.51	20.35	-1.40	19.15	-0.20	4.98	-820.43	-2283.49	-1174.60	-1929.32626.69
			182	2.60	18.91	-4.24	17.74	-3.07	5.07	-357.82	-2142.63	-468.16	-2032.29429.83
	141	218	159	4.14	18.53	-3.21	18.29	-2.98	2.27	-1077.50	-3690.00	-1102.40	-3665.10253.80
			160	3.88	18.80	-1.94	18.47	-1.61	2.60	-1359.25	-3560.78	-1392.96	-3527.07270.32
			183	2.26	19.24	-1.38	19.11	-1.25	1.61	-795.89	-2093.36	-1118.43	-1770.82560.76
			182	2.39	18.20	-3.82	18.00	-3.63	2.04	-330.29	-1966.48	-414.10	-1882.66360.72
	142	15	160	5.88	-108.87	-140.18	-109.15	-139.90	-2.94	-1756.19	-3963.81	-2055.24	-3664.77755.48
			161	5.59	-107.29	-134.95	-109.56	-132.68	7.60	-2441.96	-3526.63	-2578.28	-3390.31359.56
			184	4.73	-118.81	-136.44	-119.40	-135.85	3.18	-1033.93	-3014.71	-2876.70	-1171.94504.31
			183	4.60	-123.81	-142.93	-123.90	-142.84	1.29	-439.18	-2791.22	-1923.76	-1306.641134.82
	142	35	160	5.88	-108.30	-142.60	-108.85	-142.05	4.31	-1569.06	-3911.16	-1955.59	-3524.64869.41
			161	5.53	-102.18	-140.37	-109.05	-133.50	14.67	-2251.48	-3478.46	-2478.75	-3251.19476.66
			184	4.73	-114.08	-141.79	-119.12	-136.74	10.69	-831.93	-2967.23	-2768.04	-1031.12621.01
			183	4.74	-120.93	-148.43	-124.28	-145.08	8.99	-199.93	-2779.90	-1815.00	-1164.831248.35
	142	112	160	4.38	-70.25	-93.14	-70.38	-93.01	-1.66	-1357.75	-3078.16	-1549.03	-2886.88540.83
			161	4.14	-69.11	-89.32	-70.56	-87.86	5.22	-1870.22	-2755.65	-1950.25	-2675.61253.89
			184	3.41	-76.62	-90.14	-76.98	-89.78	2.17	-876.29	-2266.91	-2161.69	-981.51367.76
			183	3.32	-80.08	-95.01	-80.16	-94.94	1.05	-409.82	-2107.73	-1430.14	-1087.41831.48
	142	159	160	3.96	-26.23	-45.57	-26.23	-45.57	0.30	-1349.73	-3202.89	-1445.29	-3107.33409.82
			161	3.66	-25.36	-42.36	-25.99	-41.73	3.20	-1812.89	-2925.55	-1842.86	-

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977.06333.92
143 159 161 3.64 -26.07 -41.65 -26.16 -41.55 1.19 -1842.69 -2910.21 -1868.51 -
2884.39164.01
162 3.63 -24.01 -40.56 -24.93 -39.65 3.78 -1805.33 -2932.05 -1819.85 -
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184 2.66 -28.97 -42.20 -29.11 -42.06 1.35 -1153.10 -2101.65 -2017.63 -
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143 164 161 3.39 18.75 4.47 18.68 4.54 1.03 -1754.60 -3110.31 -1760.67 -
3104.2490.48
162 3.41 19.27 5.21 19.21 5.27 -0.91 -1699.32 -3136.98 -1715.00 -
3121.30-149.29
185 2.31 19.84 6.61 19.78 6.67 -0.90 -1303.63 -1954.43 -1759.86 -
1498.20-297.94
184 2.34 19.65 5.94 19.64 5.95 0.42 -1403.33 -1945.40 -1851.56 -
1497.17205.10

143	193	161	3.70	19.09	2.78	19.08	2.79	-0.43	-1885.23	-3431.21	-1893.96	-3422.48115.89
		162	3.70	20.05	2.75	19.60	3.19	-2.74	-1835.83	-3434.62	-1845.41	-3425.03-123.41
		185	2.48	19.76	3.77	19.09	4.44	-3.20	-1561.20	-2109.17	-1872.14	-1798.23-271.48
		184	2.56	19.16	3.89	19.02	4.04	-1.50	-1646.42	-2131.99	-1966.71	-1811.70230.08
143	216	161	3.54	19.06	1.40	18.96	1.50	1.34	-1854.15	-3287.73	-1859.37	-3282.5186.34
		162	3.56	19.52	2.16	19.46	2.22	-1.02	-1790.61	-3306.58	-1805.53	-3291.66-149.65
		185	2.39	20.08	3.80	20.01	3.87	-1.06	-1408.47	-2034.62	-1832.62	-1610.47-292.71
		184	2.44	19.96	3.14	19.92	3.18	0.77	-1516.54	-2032.50	-1933.13	-1615.92203.47
144	15	162	5.50	-104.96	-130.94	-107.28	-128.61	7.41	-2482.98	-3489.91	-2502.78	-3470.11-139.78
		163	5.62	-93.83	-134.69	-102.47	-126.05	16.68	-1937.02	-3855.96	-2019.04	-3773.94-388.15
		186	4.01	-111.63	-132.86	-115.42	-129.07	8.14	-762.98	-2427.04	-1732.10	-1457.92-820.66
		185	4.46	-114.24	-134.32	-117.03	-131.53	6.94	-1137.64	-2805.88	-2698.09	-1245.44-410.13
144	57	162	5.41	-104.33	-128.63	-105.91	-127.04	6.00	-2570.02	-3369.85	-2575.53	-3364.34-66.14
		163	5.51	-93.35	-131.42	-100.96	-123.81	15.22	-2031.88	-3736.59	-2093.15	-3675.32-317.31
		186	3.93	-108.91	-131.83	-113.91	-126.83	9.47	-801.92	-2378.42	-1818.61	-1361.72-754.42
		185	4.47	-111.92	-133.69	-115.66	-129.95	8.21	-1074.01	-2851.32	-2783.24	-1142.08-341.11
144	112	162	4.08	-67.65	-86.39	-68.98	-85.07	4.80	-1877.89	-2747.18	-1893.22	-2731.85-114.43
		163	4.20	-60.55	-88.60	-65.71	-83.45	10.86	-1464.64	-3016.52	-1522.89	-2958.27-294.95
		186	2.91	-72.37	-87.42	-74.41	-85.38	5.15	-617.95	-1860.63	-1292.42	-1186.16-619.06
		185	3.22	-73.82	-88.38	-75.38	-86.81	4.51	-939.74	-2120.21	-2028.65	-1031.30-315.74
144	159	162	3.65	-24.71	-40.24	-24.95	-40.00	1.89	-1773.12	-2951.18	-1789.24	-2935.06-136.86
		163	3.85	-21.96	-40.65	-23.09	-39.51	4.46	-1379.09	-3183.38	-1424.68	-3137.79-283.17
		186	2.41	-27.51	-40.40	-27.70	-40.21	1.56	-688.42	-1870.50	-1162.53	-1396.39-579.36
		185	2.54	-27.54	-40.38	-27.81	-40.12	1.83	-1134.37	-2011.61	-1876.57	-1269.42-316.59
144	164	162	3.43	19.15	4.99	19.08	5.06	-1.02	-1668.00	-3155.54	-1685.26	-3138.28-159.28
		163	3.61	19.78	4.18	19.53	4.42	-1.94	-1290.14	-3353.64	-1326.47	-3317.31-271.38
		186	2.14	19.30	4.68	19.01	4.97	-2.03	-708.41	-1930.84	-1032.64	-1606.61-539.65
		185	2.30	19.82	6.52	19.77	6.58	-0.85	-1280.56	-1951.46	-1724.48	-1507.54-317.43
144	189	162	3.70	20.75	1.83	19.55	3.02	-4.61	-1781.83	-3450.30	-1793.51	-3438.62-139.12
		163	3.93	21.51	-0.30	19.87	1.34	-5.76	-1403.06	-3626.67	-1430.95	-3598.78-247.46
		186	2.33	20.46	-0.32	18.36	1.78	-6.26	-860.33	-2140.32	-1116.68	-1883.98-512.26
		185	2.44	20.68	2.98	19.23	4.43	-4.85	-1513.19	-2102.86	-1812.28	-1803.78-294.81
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		163	3.79	20.43	0.94	20.18	1.20	-2.21	-1368.40	-3508.74	-1401.84	-3475.30-265.44
		186	2.19	20.03	1.47	19.72	1.78	-2.38	-788.67	-2010.00	-1088.63	-1710.04-525.71

185	2.38	20.50	3.55	20.45	3.60	-0.89	-1382.01	-2027.04	-1790.12	-
1618.93-310.95										
145 15 163	5.66	-98.42	-131.07	-102.93	-126.56	11.27	-1878.07	-3879.05	-1956.77	-
3800.35-388.95										
164	5.76	-85.15	-131.08	-96.08	-120.14	19.56	-1550.26	-4084.07	-1620.06	-
4014.28-414.71										
187	3.53	-105.79	-128.46	-111.63	-122.61	9.92	-461.47	-1993.26	-723.95	-
1730.78-577.20										
186	3.97	-107.56	-132.46	-111.14	-128.88	8.74	-731.21	-2425.59	-1658.89	-
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3711.97-320.27										
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3942.31-349.91										
187	3.46	-104.88	-125.00	-109.74	-120.14	8.61	-621.69	-1921.54	-880.16	-
1663.06-518.82										
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145 112 163	4.23	-63.48	-86.39	-66.06	-83.82	7.24	-1419.29	-3034.60	-1475.39	-
2978.51-295.74										
164	4.32	-54.76	-86.11	-61.39	-79.48	12.80	-1168.70	-3182.86	-1216.96	-
3134.61-308.01										
187	2.59	-68.75	-84.37	-71.96	-81.16	6.31	-348.87	-1559.25	-522.82	-
1385.29-424.61										
186	2.89	-69.54	-87.28	-71.51	-85.30	5.58	-590.03	-1862.75	-1236.22	-
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3157.79-284.52										
164	4.02	-19.04	-39.09	-20.68	-37.45	5.49	-1088.20	-3320.11	-1121.92	-
3286.39-272.28										
187	2.27	-26.39	-38.74	-26.73	-38.41	2.01	-307.77	-1664.92	-412.13	-
1560.55-361.58										
186	2.42	-25.84	-40.56	-26.08	-40.32	1.88	-649.38	-1882.98	-1106.69	-
1425.67-595.82										
145 164 163	3.64	19.49	3.93	19.22	4.20	-2.03	-1245.85	-3372.79	-1281.57	-
3337.07-273.31										
164	3.79	20.24	4.37	20.03	4.58	-1.83	-1003.90	-3461.15	-1026.89	-
3438.16-236.55										
187	2.13	18.86	3.99	18.50	4.35	-2.28	-241.78	-1795.47	-301.44	-
1735.81-298.56										
186	2.16	19.58	4.44	19.35	4.67	-1.83	-660.57	-1951.36	-977.16	-
1634.78-555.35										
145 189 163	3.96	21.13	-0.29	19.69	1.16	-5.37	-1344.61	-3642.14	-1371.08	-
3615.68-245.16										
164	4.12	21.69	-0.42	20.42	0.85	-5.16	-1095.63	-3707.31	-1111.28	-
3691.66-201.57										
187	2.44	20.55	-1.09	18.82	0.64	-5.87	-320.62	-2023.74	-360.13	-
1984.23-256.39										
186	2.36	21.28	0.15	19.78	1.64	-5.42	-796.85	-2152.38	-1040.95	-
1908.28-520.87										
145 218 163	3.82	20.19	0.70	19.94	0.95	-2.19	-1324.02	-3527.91	-1356.94	-
3494.99-267.33										
164	3.98	20.98	1.23	20.76	1.45	-2.07	-1070.52	-3600.85	-1090.57	-
3580.80-224.36										
187	2.25	19.61	0.75	19.23	1.14	-2.68	-295.63	-1878.35	-345.35	-
1828.63-276.08										
186	2.21	20.24	1.31	20.04	1.51	-1.96	-739.59	-2031.75	-1033.12	-
1738.22-541.41										
146 15 164	5.77	-90.07	-127.13	-97.35	-119.85	14.72	-1533.99	-4090.00	-1598.64	-
4025.35-401.32										
165	5.41	-75.84	-121.08	-90.68	-106.24	21.24	-1804.55	-3884.40	-1849.56	-
3839.40-302.63										
188	3.34	-93.23	-120.05	-104.28	-109.00	13.20	-948.28	-1745.10	-973.39	-
1720.00139.19										
187	3.52	-99.11	-125.86	-103.02	-121.95	9.45	-451.62	-1988.42	-673.93	-
1766.11-540.58										
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188 3.38 -81.55 -118.82 -95.49 -104.88 18.04 -1151.22 -1744.62 -1281.20 -
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2945.25-149.88
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2584.18-118.13
189 3.02 -44.89 -71.67 -60.64 -55.92 13.18 -963.94 -2031.23 -1882.51 -
1112.65369.61
188 2.45 -52.60 -77.33 -61.12 -68.82 11.75 -835.39 -1383.04 -927.28 -
1291.15204.65

147	158	165	3.66	30.95	16.52	30.87	16.59	-1.01	-1245.35	-3253.53	-1250.39	-3248.50-100.43
		166	3.29	32.29	21.35	31.77	21.88	-2.34	-1773.62	-2762.82	-1774.71	-2761.73-32.86
		189	2.40	29.51	22.78	28.81	23.48	-2.05	-881.45	-1928.11	-1504.90	-1304.66513.67
		188	2.04	29.10	16.62	28.96	16.75	-1.30	-486.28	-1704.61	-569.71	-1621.18307.71
147	164	165	3.54	20.82	7.81	20.67	7.96	-1.36	-1221.99	-3236.34	-1226.97	-3231.36-100.04
		166	3.15	22.49	12.98	21.85	13.61	-2.38	-1749.02	-2746.19	-1750.10	-2745.11-32.82
		189	2.27	20.31	13.72	18.91	15.12	-2.70	-866.71	-1909.36	-1481.89	-1294.18512.81
		188	1.94	19.42	7.90	19.05	8.27	-2.04	-465.92	-1693.13	-548.66	-1610.40307.72
147	187	165	3.72	21.02	3.79	20.55	4.26	2.80	-1346.02	-3450.92	-1347.16	-3449.7749.09
		166	3.38	22.86	11.29	22.72	11.43	1.27	-1856.10	-2985.33	-1869.18	-2972.25120.82
		189	2.52	19.82	12.59	19.47	12.93	1.53	-906.14	-2202.88	-1590.28	-1518.74647.38
		188	2.24	19.42	4.06	18.91	4.57	2.74	-501.35	-2000.85	-658.13	-1844.08458.81
147	220	165	3.63	21.01	5.47	20.85	5.63	-1.57	-1295.28	-3354.04	-1298.07	-3351.25-75.69
		166	3.24	22.56	11.14	21.86	11.85	-2.75	-1806.33	-2846.38	-1806.34	-2846.37-3.80
		189	2.36	20.01	12.27	18.79	13.49	-2.82	-882.08	-2001.41	-1525.45	-1358.05553.37
		188	2.02	19.46	5.54	19.17	5.83	-1.99	-503.89	-1785.37	-603.10	-1686.16342.48
148	15	166	4.88	-65.78	-103.28	-81.96	-87.11	18.57	-2559.42	-3358.31	-2656.02	-3261.70-260.47
		167	4.70	-51.13	-98.31	-78.11	-71.34	23.34	-2437.87	-3394.83	-3218.85	-2613.85-370.73
		190	4.63	-63.83	-96.90	-90.05	-70.68	13.41	-1068.22	-3287.36	-3285.32	-1070.2667.25
		189	3.90	-75.70	-102.98	-91.43	-87.25	13.48	-1229.38	-2494.67	-2386.04	-1338.01354.47
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		167	4.85	-42.34	-100.73	-75.09	-67.98	28.97	-2561.48	-3544.04	-3445.84	-2659.68-294.69
		190	4.90	-55.86	-99.70	-88.03	-67.53	19.38	-1108.25	-3528.31	-3520.37	-1116.20138.44
		189	4.18	-67.21	-107.22	-89.56	-84.87	19.86	-1251.05	-2753.48	-2619.45	-1385.09428.26
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		167	3.54	-26.12	-63.68	-47.11	-42.70	18.65	-1989.85	-2662.17	-2589.89	-2062.14-208.26
		190	3.56	-34.91	-63.40	-56.20	-42.11	12.38	-864.78	-2651.67	-2641.63	-874.83133.60
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		167	3.12	35.08	24.14	31.48	27.73	-5.14	-2111.46	-2292.33	-2220.55	-2183.24-88.49
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		189	2.42	29.44	22.88	28.62	23.70	-2.17	-907.97	-1942.05	-1565.79	-1284.23497.50
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149 122 167 3.54 -27.37 -58.71 -43.80 -42.28 15.65 -1980.17 -2702.55 -2625.10 -
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168 3.23 -19.54 -55.04 -41.64 -32.94 17.20 -1481.37 -2613.93 -2497.09 -
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149 158 167 3.14 34.57 24.22 31.25 27.55 -4.83 -2106.55 -2322.27 -2249.83 -
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191	2.47	27.24	14.20	15.97	25.47	-4.47	-786.66	-2134.42	-2133.20	-
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190	2.75	24.13	15.14	18.37	20.90	-4.31	-941.36	-2345.10	-2255.16	-
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169	3.11	-32.32	-75.83	-61.74	-46.41	20.36	-1036.39	-2441.66	-1937.40	-
1540.65-674.05										
192	3.47	-44.43	-80.38	-77.76	-47.05	9.34	-412.23	-2432.42	-2079.26	-
765.40-767.29										
191	4.47	-50.76	-82.63	-78.05	-55.34	11.18	-825.61	-3283.96	-3230.13	-
879.44-359.78										
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2078.85-610.71										
169	3.30	-27.85	-71.22	-58.37	-40.70	19.80	-1102.99	-2661.72	-2177.03	-
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192	3.71	-38.74	-77.64	-74.94	-41.45	9.89	-450.97	-2668.73	-2307.50	-
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1605.88-434.74										
169	2.37	-16.11	-43.94	-37.07	-22.98	12.00	-858.98	-1956.55	-1594.18	-
1221.36-516.16										
192	2.64	-22.34	-49.84	-48.30	-23.88	6.34	-361.16	-1951.22	-1691.93	-
620.45-587.41										
191	3.42	-27.97	-50.76	-48.11	-30.63	7.31	-682.01	-2629.02	-2589.13	-
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192	1.89	0.45	-19.07	-18.86	0.24	2.02	-394.63	-1542.04	-1345.86	-
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1649.87-206.99										
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169	1.94	38.85	12.48	16.22	35.12	-9.19	-897.06	-1561.85	-1237.21	-
1221.69-332.30										
192	1.78	32.10	14.57	14.70	31.98	-1.47	-420.71	-1476.59	-1306.08	-
591.21-388.54										
191	2.66	30.52	17.26	18.76	29.02	-4.21	-731.31	-2284.31	-2279.91	-
735.71-82.54										
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169	1.83	35.87	8.28	11.81	32.34	-9.22	-913.38	-1454.98	-1149.18	-
1219.18-268.53										
192	1.60	29.47	10.11	10.27	29.32	-1.70	-461.51	-1363.82	-1229.54	-
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191	2.51	28.58	13.28	14.67	27.18	-4.40	-742.73	-2194.80	-2194.68	-
742.84-12.80										
151 15 169	3.11	-36.44	-68.57	-58.43	-46.58	14.93	-1027.36	-2438.07	-1928.23	-
1537.20-677.72										
170	2.81	-13.87	-66.81	-52.56	-28.12	23.48	579.72	-1469.85	257.83	-
1147.97-745.74										
193	2.96	-30.00	-71.95	-70.61	-31.34	7.37	831.56	-1590.63	74.41	-
833.49-1122.80										
192	3.33	-40.81	-71.83	-67.72	-44.92	10.52	-405.71	-2423.39	-2069.20	-

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151 158 169 1.92 42.95 15.44 18.67 39.72 -8.86 -885.58 -1434.48 -1084.25 -
1235.81-263.78
170 2.32 48.49 8.46 8.90 48.04 -4.20 789.97 -935.27 741.83 -
887.13-284.16
193 2.21 42.28 12.42 13.81 40.88 6.30 877.17 -843.76 647.14 -
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170 2.27 40.38 3.49 3.89 39.98 -3.83 803.81 -923.09 755.31 -
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193 2.15 33.58 6.36 7.08 32.86 4.37 888.97 -831.58 659.96 -
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588.48-311.53
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194 3.91 60.06 6.80 13.61 53.25 17.79 1963.29 -1213.99 1960.78 -1211.48-89.28
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172 1.92 39.45 0.69 2.59 37.54 8.38 613.61 -734.46 611.45 -732.30-53.88
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1002.62-185.58											
	172	1.84	34.50	-0.04	2.07	32.39	8.27	611.55	-725.81	609.34	-
723.60-54.23											
	195	1.85	34.38	-3.82	2.72	27.85	14.39	797.11	-824.19	654.89	-
681.96458.65											
	194	2.78	26.75	3.41	5.80	24.36	7.08	1488.09	-905.52	1486.54	-
903.97-60.75											
153 169	171	2.38	28.59	5.52	5.71	28.40	2.07	951.24	-1006.69	929.49	-
984.93-205.23											
	172	2.06	37.77	2.95	3.38	37.33	3.88	830.80	-695.61	827.69	-
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	195	2.10	37.00	-0.49	3.77	32.73	11.91	1009.39	-768.16	889.76	-
648.53445.35											
	194	3.01	24.91	4.57	5.69	23.78	4.65	1719.94	-887.73	1717.63	-
885.42-77.62											
153 206	171	2.29	31.08	6.89	8.17	29.80	5.41	859.89	-1000.67	840.89	-
981.67-187.03											
	172	1.98	36.25	3.81	5.25	34.81	6.70	813.77	-682.71	811.99	-
680.92-51.63											
	195	2.00	36.04	-0.63	5.54	29.87	13.72	996.39	-769.89	864.37	-
637.86464.50											
	194	2.87	26.53	7.17	8.75	24.94	5.31	1616.19	-884.02	1614.96	-
882.78-55.58											
154 7	172	2.24	57.96	1.17	1.23	57.90	-1.89	245.15	-1032.82	239.56	-
1027.24-84.31											
	173	1.95	45.81	0.60	0.64	45.77	-1.38	-29.48	-1079.56	-29.84	-
1079.20-19.47											
	196	1.82	45.94	0.72	0.76	45.90	1.33	-29.85	-970.60	-34.68	-
965.7767.25											
	195	2.28	53.97	-0.95	-0.93	53.95	0.85	407.28	-1070.01	257.66	-
920.39445.69											
154 91	172	2.20	55.66	1.74	1.74	55.66	-0.28	245.60	-1030.17	235.99	-
1020.56-110.31											
	173	1.90	42.82	0.99	0.99	42.82	0.10	-31.56	-1074.67	-33.54	-
1072.70-45.34											
	196	1.76	42.91	0.27	0.38	42.80	2.17	-35.83	-960.79	-37.64	-
958.9940.82											
	195	2.21	51.64	-1.24	-1.18	51.58	1.82	389.67	-1048.26	254.86	-
913.45419.13											
154 108	172	1.70	43.00	0.71	0.75	42.96	-1.30	188.38	-790.88	184.20	-
786.70-63.87											
	173	1.49	34.38	0.41	0.43	34.36	-0.90	-22.64	-826.96	-22.91	-
826.68-14.87											
	196	1.37	33.94	0.52	0.54	33.92	0.87	-22.88	-742.87	-26.64	-
739.1151.87											
	195	1.73	39.73	-0.74	-0.74	39.73	0.10	314.20	-820.10	198.26	-
704.16343.61											
154 158	172	1.61	37.87	0.09	0.10	37.85	-0.82	186.66	-776.69	183.27	-
773.30-57.03											
	173	1.43	31.66	0.25	0.25	31.65	-0.41	-22.41	-813.42	-22.66	-
813.17-14.07											
	196	1.29	29.46	0.37	0.38	29.45	0.40	-22.45	-728.86	-26.38	-
724.9352.58											
	195	1.67	34.06	-0.87	-0.79	33.98	-1.72	317.82	-809.96	197.79	-
689.93347.79											
154 164	172	1.54	32.72	-0.55	-0.54	32.72	-0.33	187.14	-767.54	183.67	-
764.07-57.50											
	173	1.38	28.83	0.07	0.07	28.83	0.09	-22.41	-804.37	-22.66	-
804.11-14.18											
	196	1.22	24.90	0.22	0.22	24.90	-0.07	-22.37	-718.55	-26.39	-
714.5352.75											
	195	1.61	28.63	-1.26	-0.84	28.21	-3.51	320.22	-800.81	198.61	-
679.20348.63											
154 185	172	1.60	35.97	-1.56	-1.36	35.78	-2.69	188.92	-774.47	188.71	-
774.26-14.06											
	173	1.46	33.62	-0.55	-0.43	33.49	-2.09	-16.43	-803.43	-17.48	-
802.3828.73											
	196	1.31	29.77	0.58	0.60	29.75	-0.80	-11.61	-737.88	-24.60	-
724.8996.26											

195	1.72	32.04	-1.35	-0.76	31.45	-4.40	348.71	-838.31	200.24	-689.85392.67
154 218 172	1.57	34.84	-0.60	-0.59	34.82	-0.74	188.86	-770.39	186.37	-767.90-48.81
173	1.43	31.54	0.06	0.06	31.54	0.08	-22.83	-808.58	-23.05	-808.36-13.04
196	1.25	26.78	0.23	0.23	26.78	-0.14	-22.42	-723.11	-26.70	-718.8354.59
195	1.65	30.14	-1.31	-0.86	29.69	-3.73	330.10	-812.50	200.72	-683.12362.06
155 16 174	18.14	317.37	-9.84	51.57	255.97	127.76	1245.92	-1.166e+04	1129.11	-1.155e+041222.48
175	23.72	338.32	-427.08	-423.92	335.17	-49.06	-2777.71	-1.616e+04	-6435.60	-1.250e+045964.60
198	40.40	1328.17	-1241.30	217.68	-130.81	1272.86	1.012e+04	-1189.29	337.16	8598.243865.26
197	35.20	26.90	-1554.81	23.99	-1551.89	-67.88	1.057e+04	208.80	211.56	1.056e+04169.25
155 102 174	18.19	318.26	-6.15	52.81	259.29	125.11	1244.76	-1.171e+04	1111.37	-1.158e+041307.70
175	23.94	342.13	-426.26	-422.67	338.53	-52.40	-2721.55	-1.627e+04	-6454.42	-1.254e+046053.08
198	40.50	1324.68	-1237.60	215.23	-128.15	1269.58	1.016e+04	-1252.61	335.49	8568.033949.20
197	35.13	24.67	-1552.41	21.52	-1549.26	-70.47	1.054e+04	206.91	212.96	1.054e+04249.94
155 155 174	12.58	219.59	-2.38	35.14	182.07	83.19	829.04	-8061.68	743.32	-7975.96868.76
175	16.23	237.62	-283.50	-281.46	235.59	-32.49	-1934.89	-1.097e+04	-4272.72	-8631.133956.60
198	26.81	886.93	-826.04	142.60	-81.70	849.11	6692.68	-755.40	214.12	5723.152506.22
197	23.37	16.61	-1030.95	14.52	-1028.86	-46.79	7030.68	134.24	137.60	7027.32152.14
155 159 174	6.95	120.85	-0.06	17.05	103.73	42.15	414.87	-4400.22	381.17	-4366.52401.42
175	8.49	132.01	-141.16	-140.67	131.52	-11.46	-1145.65	-5653.27	-2084.74	-4714.171830.62
198	13.10	450.36	-415.73	70.79	-36.15	429.73	3230.02	-248.37	93.30	2888.341035.25
197	11.63	9.30	-510.29	8.35	-509.34	-22.24	3525.81	61.57	61.78	3525.6027.45
155 164 174	1.35	27.63	-0.22	-0.21	27.61	-0.66	7.31	-776.05	7.21	-775.95-9.11
175	1.63	31.47	-0.82	0.95	29.70	7.34	148.41	-877.16	90.69	-819.43-236.37
198	1.01	14.97	-6.45	-2.66	11.18	8.17	383.40	-378.64	-28.63	33.39-379.75
197	0.20	11.96	0.50	0.53	11.93	0.58	41.53	-47.67	-13.11	6.97-43.45
155 169 174	1.43	29.94	1.00	1.27	29.67	-2.80	26.42	-818.91	23.97	-816.46-45.46
175	1.69	32.94	1.82	2.57	32.20	4.76	185.92	-909.52	112.80	-836.40-273.41
198	0.98	15.28	-5.49	-3.47	13.25	6.16	385.00	-377.48	-8.70	16.21-381.04
197	0.25	13.71	-0.47	-0.40	13.64	-0.98	31.48	-64.11	1.16	-33.79-44.49
155 214 174	1.44	31.56	-0.28	-0.27	31.54	-0.77	7.95	-805.39	7.66	-805.10-15.45
175	1.75	34.27	-1.12	0.89	32.26	8.20	164.17	-931.72	85.94	-853.49-282.16
198	1.12	16.49	-6.85	-2.86	12.50	8.79	406.65	-429.87	-33.62	10.40-417.68
197	0.23	13.86	0.56	0.62	13.80	0.89	34.26	-58.40	-12.63	-11.52-46.33
156 16 175	21.39	404.53	-187.90	-63.56	280.20	-241.25	-3818.13	-1.351e+04	-5589.17	-1.174e+043745.01
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		203	4.90	-121.64	-147.29	-133.33	-135.60	-12.78	1543.37	-2474.82	-2469.61	1538.17144.50
161	79	180	3.97	-118.67	-143.27	-124.51	-137.44	-10.47	-598.55	-2326.51	-2011.26	-913.80667.36
		181	3.62	-117.25	-146.52	-122.79	-140.99	-11.46	-599.81	-1894.72	-1057.29	-1437.24618.96
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		203	4.93	-122.49	-149.78	-136.34	-135.93	-13.65	1616.37	-2433.49	-2422.30	1605.19212.55
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		203	3.49	-80.43	-97.78	-88.66	-89.55	-8.66	1115.67	-1780.78	-1779.62	1114.5157.95
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		181	2.20	-30.94	-48.77	-31.34	-48.38	-2.63	-633.58	-1516.85	-643.33	-1507.1092.29
		204	1.62	-31.96	-49.49	-32.01	-49.43	-1.01	989.61	148.70	357.80	780.51-363.48
		203	2.61	-34.05	-41.54	-34.92	-40.67	-2.40	743.17	-1565.19	-1523.39	701.38-307.78
161	164	180	1.85	16.17	6.62	16.05	6.74	1.05	-937.23	-1593.05	-1168.16	-1362.12-313.24
		181	2.04	16.71	0.84	16.71	0.84	-0.08	-455.13	-1791.44	-474.33	-1772.24-159.01
		204	1.45	12.52	1.89	12.19	2.22	1.85	1125.41	-72.06	608.16	445.20-593.16
		203	2.38	17.89	6.92	16.81	8.00	3.27	553.46	-1456.17	-1235.63	332.92-628.15
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		181	2.22	18.92	-0.21	17.61	1.10	-4.83	-654.68	-1986.58	-698.57	-1942.69-237.76
		204	1.61	11.21	0.85	10.00	2.06	-3.33	1011.72	-339.59	395.52	276.61-673.03
		203	2.52	14.89	8.28	14.80	8.37	-0.75	442.82	-1716.36	-1448.65	175.11-711.59
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		204	1.40	10.22	1.63	9.84	2.00	1.75	1030.71	-187.71	483.50	359.50-606.05
		203	2.50	16.55	6.32	15.09	7.78	3.58	455.65	-1627.55	-1408.70	236.80-638.76
162	15	181	3.63	-102.99	-144.44	-104.25	-143.18	-7.12	-593.76	-1941.85	-1088.88	-1446.73649.86
		182	4.20	-136.34	-152.30	-136.93	-151.71	-3.02	-285.53	-2269.65	-902.82	-1652.36918.55
		205	4.43	-107.83	-141.34	-109.48	-139.69	7.24	2622.85	-358.38	818.58	1445.891457.24
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205	1.69	7.88	1.36	7.86	1.38	0.35	1345.92	28.26	875.50	498.68631.31
163 196 182	2.37	18.43	2.88	18.19	3.12	1.93	-146.48	-1940.30	-268.92	-1817.87452.37
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163 216 182	2.54	19.20	-4.10	19.08	-3.99	1.64	-372.56	-2101.10	-457.76	-2015.90374.18
183	2.25	19.11	-1.43	18.61	-0.93	3.16	-728.65	-2049.32	-1046.26	-1731.72564.43
206	2.48	18.79	-2.16	17.67	-1.03	-4.72	564.99	-1468.92	-1012.73	108.81848.37
205	1.65	8.39	-1.22	8.25	-1.07	1.17	1263.55	-25.26	811.70	426.59614.96
164 15 183	4.61	-120.67	-144.66	-120.93	-144.40	-2.49	-402.82	-2853.13	-1929.71	-1326.241187.42
184	4.75	-120.73	-139.47	-122.41	-137.79	5.36	-939.11	-2995.10	-2862.71	-1071.50504.64
207	5.78	-123.04	-145.59	-123.86	-144.76	-4.24	860.04	-3644.74	-3580.09	795.40535.75
206	5.07	-137.94	-151.84	-147.34	-142.44	-6.51	1811.62	-2427.04	-1914.33	1298.921382.14
164 35 183	4.69	-120.90	-146.55	-121.27	-146.18	3.05	-141.58	-2817.49	-1813.23	-1145.841295.68
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207	5.81	-127.16	-145.58	-127.17	-145.57	0.34	1050.81	-3540.70	-3447.90	958.02646.12
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164 122 183	3.39	-78.13	-97.39	-78.40	-97.12	2.27	-207.33	-2131.47	-1356.84	-981.96943.63
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207	4.19	-81.24	-96.20	-81.24	-96.20	-0.07	693.96	-2659.46	-2592.11	626.61470.43
206	3.74	-96.14	-98.35	-98.19	-96.30	-0.58	1452.30	-1742.02	-1310.82	1021.111091.53
164 159 183	2.69	-29.91	-46.72	-29.91	-46.72	0.15	-583.83	-2057.32	-1272.31	-1368.84735.17
184	2.65	-29.77	-42.95	-30.18	-42.55	2.27	-1067.46	-2085.77	-1985.91	-1167.32302.85
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164 164 183	2.23	18.53	2.32	18.35	2.50	1.73	-718.86	-2026.73	-1110.14	-1635.46598.87
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166 159 185	2.53	-29.17	-40.85	-29.19	-40.83	0.53	-1067.69	-1990.12	-1860.05	-1197.76-321.03
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208	3.09	-25.70	-43.40	-26.87	-42.23	4.40	310.55	-2314.79	-2246.72	242.48-417.22
166 164 185	2.25	19.03	6.43	18.86	6.60	-1.45	-1223.81	-1923.15	-1709.19	-1437.77-322.26
186	2.20	19.65	4.90	19.29	5.25	-2.25	-684.76	-1983.02	-1037.19	-1630.59-577.35
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209	2.24	23.15	5.80	20.53	8.42	6.21	677.67	-1175.69	-856.02	357.99-700.19
208	3.07	30.20	6.68	28.46	8.42	6.16	91.13	-2155.19	-2102.19	38.13-340.94
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186	2.24	19.94	2.27	19.57	2.64	-2.51	-776.17	-2052.79	-1105.55	-1723.40-558.58
209	2.12	18.09	2.55	18.02	2.61	1.01	612.16	-1195.62	-835.27	251.81-722.21
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175.15842.33											
	211	1.74	14.42	7.10	11.65	9.86	-3.55	1247.68	-257.25	575.15	
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	189	2.40	21.20	14.07	19.56	15.71	3.00	-648.98	-2074.06	-1486.74	-
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	189	2.34	20.03	12.80	19.17	13.65	-2.33	-811.52	-1979.84	-1462.42	-
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589.72598.96											
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	190	4.95	-53.37	-104.87	-89.22	-69.02	23.69	-1049.37	-3531.31	-3521.24	-
1059.43157.71											
	213	5.77	-63.49	-101.16	-93.45	-71.20	15.20	-48.11	-3976.27	-3972.16	-
52.21126.93											
	212	4.66	-78.78	-107.96	-97.97	-88.77	13.85	686.87	-2730.29	-2595.16	
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831.12148.71											
	213	4.22	-39.90	-63.94	-59.20	-44.65	9.57	-51.25	-2991.39	-2985.06	-
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	212	2.76	22.74	11.55	17.23	17.07	-5.60	477.85	-1831.13	-1523.29	
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18.9755.98											
171 57	190	4.84	-58.43	-91.90	-83.18	-67.15	14.70	-1064.12	-3550.10	-3550.03	-
1064.1812.76											
	191	4.83	-46.63	-90.92	-82.98	-54.58	16.99	-822.29	-3555.98	-3489.91	-
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54.761.31											
171 133	190	3.52	-36.59	-58.25	-53.01	-41.83	9.28	-834.49	-2665.44	-2664.08	-
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	213	3.41	34.95	26.99	32.75	29.20	-3.56	-131.81	-2593.26	-2531.92	-
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		215	2.72	-0.80	-25.82	-23.57	-3.05	7.15	63.96	-2013.26	-1844.08	-
105.22-568.15											
173	164	192	1.54	27.55	12.74	13.33	26.95	-2.90	-389.45	-1287.24	-1118.11	-
558.58-351.05											
		193	2.33	33.80	6.83	7.75	32.87	4.90	906.78	-967.80	670.87	-
731.89-621.75											
		216	2.91	26.09	0.16	6.41	19.83	11.09	1318.19	-1153.53	146.84	
17.82-1234.18											
		215	2.26	23.98	11.85	12.62	23.21	2.96	16.54	-1772.12	-1660.52	-
95.07-432.63											
173	186	192	1.72	26.65	12.76	13.78	25.62	-3.63	-313.41	-1446.10	-1160.85	-
598.66-491.66											
		193	2.52	36.83	8.72	9.11	36.44	3.30	973.70	-1091.11	632.40	-
749.81-766.96											
		216	3.21	28.74	-0.19	5.55	23.00	11.54	1444.88	-1299.79	139.00	
6.09-1370.72											
		215	2.40	23.01	9.30	10.87	21.44	4.36	56.60	-1858.02	-1672.39	-
129.03-566.53											
173	215	192	1.60	27.53	13.02	13.59	26.95	-2.84	-346.70	-1341.31	-1149.13	-
538.88-392.69											
		193	2.31	33.25	7.25	8.13	32.37	4.69	869.86	-995.53	602.48	-
728.14-653.66											
		216	2.98	26.18	0.37	6.41	20.14	10.93	1328.67	-1213.07	96.18	
19.43-1270.29											
		215	2.33	23.97	12.01	12.76	23.22	2.90	47.85	-1817.75	-1684.96	-
84.94-479.68											
174	15	193	3.63	-31.57	-101.72	-92.71	-40.58	23.48	847.98	-1796.61	47.53	-
996.16-1214.96											
		194	3.62	40.47	-52.23	11.92	-23.68	42.80	1372.77	-1728.98	1166.95	-
1523.16-772.04											
		217	7.39	-53.20	-147.30	-145.43	-55.07	-13.14	4671.90	-50.62	4589.15	
32.13-619.61											
		216	5.53	-3.38	-44.93	-43.27	-5.04	8.14	1914.23	-3073.58	-545.67	-
613.68-2493.67											
174	79	193	4.23	-16.83	-109.47	-91.91	-34.39	36.31	925.23	-2021.50	-57.42	-
1038.85-1389.24											
		194	4.15	56.14	-60.71	12.75	-17.33	56.45	1364.02	-1847.39	1064.98	-
1548.36-933.23											
		217	7.43	-48.31	-142.54	-142.54	-48.31	0.59	4651.82	-115.33	4522.78	
13.70-773.62											
		216	6.21	10.29	-49.14	-40.41	1.55	21.04	2028.38	-3293.40	-615.04	-
649.98-2660.84											
174	144	193	3.08	-7.44	-71.51	-60.46	-18.49	24.21	717.56	-1470.89	38.32	-
791.65-1012.48											
		194	3.08	39.75	-39.07	9.04	-8.36	38.44	1072.56	-1382.85	879.60	-
1189.89-660.72											
		217	5.61	-29.68	-94.26	-94.19	-29.75	2.10	3630.53	-59.53	3551.12	
19.89-535.48											
		216	4.62	8.95	-31.39	-25.96	3.53	13.76	1562.48	-2434.33	-385.48	-
486.37-1997.77											
174	159	193	2.41	7.11	-29.21	-27.43	5.33	7.84	740.30	-1152.08	341.41	-
753.19-771.84											
		194	2.76	23.64	-11.72	6.25	5.67	17.68	1184.96	-1252.87	1109.84	-
1177.75-421.29											
		217	5.26	-7.71	-45.16	-44.94	-7.93	2.86	3829.76	34.07	3807.41	
56.42-290.41											
		216	3.88	9.03	-10.41	-10.28	8.90	1.57	1537.61	-2045.21	-77.55	-
430.05-1782.71											
174	164	193	2.24	33.27	6.14	6.14	33.27	0.03	839.36	-1008.01	574.52	-
743.17-647.39											
		194	2.95	25.62	2.34	4.01	23.94	6.02	1305.74	-1216.05	1272.10	-
1182.41-289.30											
		217	4.96	26.47	-1.83	6.24	18.40	12.77	4025.01	75.11	4019.46	

80.66-148.01
216 3.64 19.01 6.97 7.31 18.67 -2.01 1597.24 -1811.03 184.12 -
397.92-1679.10
174 177 193 2.18 31.87 2.59 4.22 30.24 -6.71 916.40 -990.31 642.16 -
716.07-669.10
194 3.00 22.55 2.22 2.49 22.28 -2.33 1348.41 -1262.14 1325.26 -
1238.99-244.74
217 5.16 17.87 -1.10 0.46 16.32 5.20 4130.54 26.90 4122.79
34.65-178.17
216 3.90 18.52 -2.56 1.12 14.84 -8.01 1730.43 -1787.41 303.46 -
360.45-1727.31
174 206 193 2.20 32.41 8.01 8.19 32.22 -2.10 860.32 -1002.45 603.38 -
745.51-642.34
194 3.02 25.93 6.29 7.66 24.56 5.00 1431.49 -1194.01 1399.93 -
1162.46-286.10
217 5.10 24.26 0.84 6.46 18.65 10.00 4166.40 104.01 4161.53
108.88-140.55
216 3.68 19.01 8.49 9.49 18.01 -3.09 1612.78 -1797.57 210.80 -
395.59-1678.00
175 7 194 3.76 59.82 32.00 37.74 54.07 11.26 1722.80 -1571.38 1721.74 -
1570.32-59.20
195 2.83 63.89 -14.67 -2.57 51.80 28.35 1174.57 -1075.34 1043.67 -
944.44526.66
218 4.39 68.97 0.30 19.36 49.91 30.75 1946.97 -1475.76 629.75 -
158.541665.36
217 6.73 54.36 -34.39 -19.82 39.79 32.87 5115.97 181.98 5108.61
189.35190.45
175 69 194 3.86 69.74 29.83 39.05 60.52 16.82 1676.40 -1600.35 1664.74 -
1588.69-195.15
195 2.80 70.79 -16.56 -1.72 55.95 32.81 1066.19 -1041.36 986.71 -
961.88401.48
218 4.20 74.22 -3.26 17.42 53.53 34.28 1801.76 -1373.65 598.73 -
170.621540.40
217 6.80 62.49 -38.09 -21.30 45.70 37.51 5078.24 175.62 5077.63
176.2354.74
175 139 194 2.95 49.88 20.86 27.29 43.45 12.05 1291.00 -1223.41 1283.74 -
1216.15-134.95
195 2.13 51.91 -11.87 -0.96 41.01 24.01 828.85 -800.75 762.49 -
734.39322.08
218 3.22 53.01 -3.28 11.99 37.74 25.03 1402.01 -1065.15 463.29 -
126.431197.82
217 5.17 44.58 -26.45 -14.78 32.92 26.32 3904.13 138.98 3903.27
139.8456.97
175 158 194 2.83 34.26 14.72 17.84 31.13 7.16 1301.61 -1188.95 1301.07 -
1188.41-36.62
195 2.05 41.18 -8.27 -0.12 33.02 18.35 890.15 -813.82 785.97 -
709.63408.26
218 3.25 37.90 -4.51 8.02 25.37 19.35 1496.58 -1127.76 476.43 -
107.611279.26
217 4.96 30.37 -15.78 -9.00 23.58 16.34 3890.30 150.38 3884.03
156.65152.97
175 164 194 2.82 25.69 7.01 9.44 23.26 6.28 1304.87 -1178.22 1304.34 -
1177.69-36.43
195 1.96 35.37 -6.22 1.36 27.80 16.06 890.00 -803.42 785.11 -
698.53408.19
218 3.18 26.57 -8.36 2.82 15.39 16.30 1506.56 -1120.68 481.06 -
95.181281.63
217 4.85 22.04 -8.04 -4.35 18.35 9.86 3892.69 161.30 3886.36
167.63153.57
175 177 194 2.98 21.56 9.03 9.03 21.55 -0.31 1519.37 -1143.53 1519.37 -
1143.53 2.75
195 2.22 32.77 -2.37 1.10 29.30 10.49 1134.95 -760.61 1015.16 -
640.82461.22
218 3.31 24.40 -1.56 5.46 17.38 11.53 1796.10 -1044.66 776.21 -
24.771362.75
217 5.14 17.47 -2.97 -2.13 16.62 4.08 4177.53 181.37 4166.24
192.67212.15
175 206 194 2.91 25.68 9.06 10.90 23.84 5.22 1432.12 -1158.30 1431.72 -
1157.90-32.11
195 2.13 36.47 -1.40 5.03 30.04 14.22 1094.20 -753.44 995.13 -

654.37416.21
218 3.24 27.02 -5.92 4.87 16.23 15.46 1670.11 -1023.42 693.25 -
46.551294.97
217 4.95 21.75 -2.24 0.31 19.20 7.39 4033.84 188.98 4026.84
195.99164.01
176 1 195 2.32 38.07 -1.06 -0.37 37.38 -5.13 386.43 -1245.24 216.94 -
1075.74497.83
196 1.71 31.74 -0.04 -0.04 31.74 0.18 -2.71 -1024.83 -4.73 -
1022.8145.40
219 0.61 18.79 0.54 0.54 18.79 0.27 252.02 -127.41 -53.72
178.33150.10
218 2.81 21.78 -5.17 -1.50 18.10 -9.25 1375.43 -1043.67 180.26
151.501209.46
176 83 195 2.30 39.74 -0.05 0.25 39.44 -3.41 364.78 -1231.28 213.58 -
1080.08467.40
196 1.72 33.07 0.32 0.40 32.99 1.64 -7.88 -1027.43 -8.12 -
1027.2015.46
219 0.60 19.85 -0.44 -0.40 19.80 0.96 225.56 -106.07 -54.67
174.16120.02
218 2.72 22.66 -5.02 -2.26 19.89 -8.30 1342.36 -1015.64 179.35
147.371178.89
176 105 195 1.79 29.29 -0.81 -0.29 28.77 -3.94 297.51 -957.67 166.70 -
826.86383.51
196 1.31 24.44 -0.03 -0.03 24.44 0.14 -2.06 -787.74 -3.62 -
786.1835.00
219 0.47 14.47 0.41 0.42 14.47 0.21 193.67 -98.01 -41.27
136.93115.46
218 2.16 16.77 -3.97 -1.15 13.94 -7.11 1057.62 -802.83 138.49
116.31930.16
176 157 195 1.79 29.35 -0.81 -0.28 28.83 -3.95 299.19 -956.40 165.58 -
822.79387.18
196 1.31 24.58 -0.03 -0.03 24.58 0.13 -1.89 -783.89 -3.50 -
782.2835.47
219 0.47 14.59 0.41 0.41 14.59 0.22 192.44 -98.02 -40.89
135.30115.46
218 2.16 16.87 -3.94 -1.14 14.07 -7.11 1055.02 -802.89 137.37
114.77928.89
176 164 195 1.79 29.35 -0.81 -0.28 28.83 -3.95 299.19 -956.40 165.58 -
822.79387.18
196 1.31 24.58 -0.03 -0.03 24.58 0.13 -1.89 -783.89 -3.50 -
782.2835.47
219 0.47 14.59 0.41 0.41 14.59 0.22 192.44 -98.02 -40.89
135.30115.46
218 2.16 16.87 -3.94 -1.14 14.07 -7.11 1055.02 -802.89 137.37
114.77928.89
176 185 195 1.86 27.98 -2.66 -1.28 26.59 -6.37 337.32 -981.02 170.02 -
813.72438.82
196 1.31 23.45 -0.98 -0.82 23.30 -1.92 10.67 -782.09 1.09 -
772.5186.62
219 0.51 13.77 1.54 1.62 13.69 -0.97 243.60 -137.92 -38.96
144.64167.22
218 2.30 16.68 -4.60 -0.14 12.21 -8.67 1112.44 -849.91 139.14
123.39981.14
176 218 195 1.84 31.01 -1.13 -0.44 30.32 -4.66 309.63 -968.75 167.81 -
826.92401.49
196 1.34 26.64 -0.05 -0.05 26.64 0.21 -2.00 -788.48 -3.78 -
786.7037.34
219 0.48 15.43 0.41 0.41 15.43 -0.03 192.53 -100.56 -41.14
133.11117.83
218 2.20 17.50 -3.85 -0.99 14.64 -7.27 1072.53 -821.37 138.52
112.64946.86
177 15 197 46.30 -33.08 -1318.76 -98.98 -1252.85 -283.522.243e+04 -2344.99 -2306.55
2.239e+04-975.05
198 63.57 711.62 -2495.17 395.22 -2178.76 956.312.846e+041.032e+04 1.106e+04
2.773e+043580.72
221 56.29 517.36 -2692.07 75.14 -2249.85 -1106.211.975e+04 8279.88 8756.75
1.927e+04-2289.45
220 38.63 -3.27 -962.23 -63.50 -902.00 232.652.067e+04 -1644.74 -1533.23
2.056e+041573.44
177 35 197 46.58 -33.59 -1331.36 -99.89 -1265.06 -285.742.249e+04 -2367.40 -2332.54

2.245e+04-930.25										
198	63.76	710.92	-2499.40	396.71	-2185.19	953.93	2.858e+04	1.029e+04	1.104e+04	
2.783e+043630.70										
221	56.53	514.54	-2695.03	76.08	-2256.57	-1102.28	1.983e+04	8336.65	8776.99	
1.938e+04-2205.65										
220	38.87	-3.03	-975.88	-64.47	-914.43	236.64	2.075e+04	-1642.47	-1520.01	
2.062e+041651.25										
177 122 197	31.06	-22.24	-886.78	-66.45	-842.57	-190.44	1.502e+04	-1561.57	-1538.30	
1.499e+04-620.67										
198	42.53	474.91	-1665.54	263.87	-1454.51	638.10	1.901e+04	6832.85	7306.14	
1.854e+042353.52										
221	38.02	342.97	-1798.35	51.93	-1507.31	-733.83	1.348e+04	5602.42	5884.94	
1.320e+04-1465.02										
220	26.22	-2.44	-652.04	-43.25	-611.24	157.62	1.406e+04	-1104.82	-1025.34	
1.398e+041094.90										
177 159 197	15.47	-10.37	-436.20	-32.39	-414.18	-94.29	7576.85	-710.71	-697.78	
7563.92-327.14										
198	21.28	241.42	-828.75	129.20	-716.53	327.87	9301.31	3320.28	3461.79	
9159.80909.06										
221	20.18	172.26	-904.46	30.19	-762.39	-364.40	7715.32	2944.06	3061.78	
7597.59-740.16										
220	14.19	-2.86	-326.96	-22.30	-307.52	76.95	7857.60	-591.68	-562.07	
7827.99499.29										
177 164 197	0.26	6.09	1.04	1.07	6.07	0.38	177.72	125.15	125.42	
177.45-3.75										
198	1.52	25.70	-13.02	-4.48	17.15	16.06	247.81	-786.92	-394.32	-
144.78-502.09										
221	2.77	10.86	-23.74	9.07	-21.96	7.66	2072.16	251.21	252.12	
2071.2640.57										
220	2.32	-1.88	-12.21	-1.99	-12.10	-1.07	1722.71	-91.09	-90.00	
1721.62-44.45										
177 171 197	0.27	1.17	-2.71	0.95	-2.48	-0.91	225.96	109.20	109.44	
225.72 5.19										
198	1.45	20.41	-12.20	-3.24	11.45	14.56	289.49	-749.01	-402.84	-
56.68-489.55										
221	2.96	11.54	-30.22	9.30	-27.98	9.41	2166.83	265.22	268.92	
2163.1383.77										
220	2.50	-2.76	-20.95	-2.80	-20.91	0.84	1773.17	-80.05	-80.03	
1773.16-5.33										
177 223 197	0.26	5.43	1.07	1.07	5.43	6.83e-03	184.54	124.14	125.69	
182.99-9.56										
198	1.59	25.77	-12.71	-4.31	17.37	15.90	282.46	-822.59	-395.94	-
144.19-538.00										
221	2.81	10.37	-26.19	8.77	-24.59	7.47	2078.13	248.75	248.94	
2077.9518.19										
220	2.31	-1.94	-10.81	-2.00	-10.75	-0.77	1729.65	-90.96	-89.69	
1728.37-48.20										
178 15 198	75.00	313.75	-2821.00	-384.42	-2122.84	-1304.28	3.079e+04	8033.59	1.075e+04	
2.807e+047383.59										
199	25.21	207.73	-434.12	-249.66	23.27	290.47	9967.68	-6622.57	-4202.85	
7547.965855.65										
222	35.50	-45.33	-1101.49	-686.38	-460.44	-515.85	9615.35	-1.193e+04	-9357.81	
7044.18-6984.51										
221	54.22	512.30	-2180.87	319.11	-1987.68	694.96	1.669e+04	1506.47	3786.68	
1.441e+04-5424.05										
178 57 198	74.94	306.30	-2822.85	-389.24	-2127.31	-1301.03	3.094e+04	8457.12	1.116e+04	
2.824e+047309.31										
199	24.86	212.50	-437.39	-253.27	28.38	292.84	1.011e+04	-6060.47	-3779.53	
7828.675628.52										
222	35.95	-50.07	-1099.43	-693.62	-455.88	-511.04	9912.30	-1.208e+04	-9424.54	
7253.10-7170.82										
221	54.47	507.10	-2189.43	310.49	-1992.82	701.08	1.678e+04	1441.60	3723.30	
1.450e+04-5457.94										
178 133 198	49.89	204.84	-1882.41	-261.56	-1416.01	-869.46	2.062e+04	5741.28	7484.80	
1.888e+044786.36										
199	16.34	142.19	-290.06	-167.39	19.52	194.88	6651.89	-3902.34	-2372.94	
5122.493715.18										
222	23.99	-34.87	-735.54	-469.82	-300.59	-339.96	7289.36	-7503.84	-5700.10	
5485.62-4840.42										
221	36.68	340.95	-1462.26	209.57	-1330.88	468.67	1.134e+04	852.64	2320.65	

9874.67-3639.30
178 159 198 24.69 107.44 -942.64 -136.94 -698.26 -443.73 1.027e+04 3105.40 3781.32
9589.672093.52
199 7.43 71.49 -138.20 -77.01 10.30 95.32 2965.24 -1637.16 -777.26
2105.341793.93
222 12.29 -20.44 -379.15 -260.30 -139.30 -168.84 6100.74 -1631.05 -641.82
5111.51-2582.63
221 19.65 183.03 -738.19 117.31 -672.47 237.11 6270.59 -0.17 575.66
5694.77-1810.89
178 164 198 1.89 23.01 -22.03 -15.52 16.50 -15.84 1027.39 -271.74 347.09
408.56-648.84
199 2.15 11.90 3.54 10.96 4.48 -2.64 1142.25 -766.28 1100.64 -
724.67-278.74
222 6.00 25.40 -55.97 -55.60 25.03 5.49 5139.41 4109.23 4371.97
4876.68-449.04
221 3.42 21.67 -19.86 19.30 -17.49 9.63 1573.76 -1211.60 -1211.59
1573.75-5.06
178 191 198 2.21 20.12 -30.69 -19.65 9.08 -20.95 1214.69 -288.99 418.78
506.92-750.55
199 2.22 10.36 -6.73 6.44 -2.82 -7.18 1325.68 -535.16 1228.39 -
437.87-414.22
222 6.26 15.60 -58.92 -58.92 15.60 0.07 5411.09 4145.28 4406.47
5149.90-512.24
221 3.57 16.68 -24.97 16.34 -24.63 3.72 1658.56 -1207.62 -1207.16
1658.10-36.34
178 201 198 1.88 22.56 -22.46 -17.78 17.89 -13.74 1155.31 -186.21 541.29
427.81-668.35
199 2.49 12.95 5.42 12.33 6.04 -2.07 1499.99 -692.25 1456.17 -
648.43-306.83
222 6.16 27.61 -60.78 -60.43 27.26 5.57 5295.45 4099.64 4466.89
4928.21-551.62
221 3.27 19.80 -18.39 17.30 -15.89 9.44 1627.18 -1045.77 -1045.74
1627.15-9.31
179 15 199 21.12 -307.17 -562.82 -387.45 -482.54 -118.66 9392.41 -6376.62 -4694.54
7710.334867.79
200 8.45 -141.48 -298.64 -265.18 -174.95 64.34 4710.33 -1397.33 -624.28
3937.282030.74
223 10.55 41.91 -375.33 -251.24 -82.18 -190.73 5757.13 -2304.60 -2102.34
5554.871260.82
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1580.10307.17											
		225	4.48	-3.72	-52.93	-7.87	-48.77	-13.69	682.77	-2905.02	-2868.46
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		226	3.36	45.21	-6.51	35.64	3.05	20.08	1202.39	-1528.67	-1528.40
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67.2580.57											
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1417.57-591.05											
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		236	4.07	57.53	18.29	56.37	19.45	-6.64	-585.03	-2997.58	-2997.45
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869.3014.20											
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314.85835.50											
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63.74376.26											
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		235	3.19	49.44	-2.72	34.57	12.14	-23.55	888.50	-1697.82	-1697.74
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905.99110.49											
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		238	2.61	37.37	-16.06	9.05	12.25	26.67	-809.36	-2173.16	-2151.44	-831.08	-170.73
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		216	3.66	19.58	-4.06	3.19	12.33	10.89	1602.26	-1607.20	-240.73	235.79	-1586.94
		239	2.85	33.23	-11.16	1.69	20.38	20.13	1425.63	-1056.83	-1037.71	1406.51	-216.99
		238	2.61	35.30	-6.98	13.47	14.85	21.13	-616.85	-2150.23	-2133.38	-633.70	-159.86
196	15	216	7.05	-74.65	-92.97	-74.91	-92.71	-2.16	4165.62	-2093.97	774.93	1296.71	-3118.90
		217	9.35	93.22	-129.78	-27.48	-9.08	111.12	3854.26	-3606.19	3668.34	3420.27	-1162.95
		240	19.79	-13.95	-290.44	-251.88	-52.51	-95.78	1.612e+04	1.125e+04	1.511e+04	1.226e+04	-1977.37
		239	10.54	37.26	-226.89	-196.98	7.35	83.71	1048.98	-6142.35	-5830.50	737.13	-1464.71
196	79	216	7.54	-66.51	-85.13	-70.93	-80.70	7.93	4245.54	-2347.59	694.42	1203.53	-3286.72
		217	9.74	114.51	-128.67	-22.44	8.28	120.62	3838.40	-3678.43	3600.87	3440.91	-1314.93
		240	19.73	-5.83	-277.45	-248.36	-34.92	-84.00	1.619e+04	1.114e+04	1.508e+04	1.225e+04	-2095.52
		239	10.59	55.92	-231.52	-194.63	19.04	96.14	1023.97	-6241.13	-5869.58	652.42	-1600.41
196	112	216	5.33	-47.68	-60.34	-47.80	-60.22	-1.20	3220.45	-1526.01	682.05	1012.39	-2367.48
		217	7.07	64.94	-86.20	-17.78	-3.48	75.23	3014.51	-2764.16	2885.50	2635.15	-853.73
		240	15.08	-7.24	-194.85	-169.83	-32.27	-63.79	1.247e+04	8752.56	1.173e+04	9489.94	-1481.23
		239	7.82	27.81	-155.70	-135.12	7.23	57.90	824.54	-4630.01	-4403.99	598.53	-1087.06
196	159	216	5.05	-15.86	-24.19	-15.87	-24.18	0.29	3276.20	-1253.94	961.39	1060.87	-2264.52
		217	6.78	43.11	-42.05	-6.86	7.92	41.94	3181.67	-2737.86	3092.52	2648.70	-720.97
		240	14.63	4.52	-102.43	-92.05	-5.87	-31.67	1.269e+04	9072.59	1.208e+04	9680.82	-1351.82
		239	6.91	25.04	-94.51	-81.84	12.36	36.81	883.69	-4323.48	-4140.73	700.94	-958.24
196	164	216	4.83	16.72	11.21	16.06	11.86	1.78	3337.60	-987.52	1240.73	1109.35	-2161.56
		217	6.68	23.21	0.16	4.06	19.31	8.64	3357.02	-2719.74	3299.54	2662.26	-588.21
		240	14.21	20.54	-14.28	-14.28	20.53	0.46	1.292e+04	9380.98	1.243e+04	9871.70	-1222.41
		239	6.03	22.35	-33.40	-28.55	17.50	15.72	945.97	-4020.09	-3877.46	803.35	-829.42
196	169	216	5.09	10.51	5.22	9.78	5.95	-1.83	3521.01	-972.13	1359.42	1189.45	-2244.96
		217	6.64	12.60	-2.58	-2.23	12.25	2.28	3504.59	-2559.73	3436.87	2492.02	-637.22
		240	14.64	13.17	-31.64	-30.71	12.24	-6.40	1.316e+04	9578.76	1.267e+04	1.007e+04	-1234.06
		239	6.05	12.29	-47.31	-45.03	10.00	11.44	1064.32	-3818.75	-3657.60	903.17	-872.32
196	210	216	4.91	18.28	11.21	18.25	11.25	0.49	3372.44	-995.22	1257.83	1119.39	-2182.74
		217	6.78	24.24	1.72	6.14	19.82	8.94	3484.27	-2706.07	3426.48	2648.29	-595.29
		240	14.35	21.04	-13.08	-13.06	21.02	-0.91	1.308e+04	9464.77	1.259e+04		

9949.03-1231.18											
	239	5.99	22.28	-31.14	-25.90	17.04	15.89	961.04	-4017.51	-3872.53	
816.06-837.14											
197	5	217	8.34	34.46	-6.07	-4.96	33.35	-6.59	4281.04	-3099.69	4198.66	-
3017.32775.36											
	218	5.53	50.19	-15.02	7.46	27.72	30.99	3781.22	-157.60	1843.14	
1780.481969.16											
	241	5.29	9.03	0.83	2.31	7.54	-3.16	1430.32	-3398.96	-3346.41	
1377.77501.05											
	240	17.46	50.49	-19.75	-11.55	42.29	22.55	1.553e+04	1.182e+04	1.471e+04	
1.264e+041539.97											
197	67	217	8.43	48.70	-5.57	-4.60	47.73	-7.19	4225.22	-3086.27	4168.16	-
3029.22643.35											
	218	5.33	53.86	-16.23	5.68	31.95	32.49	3636.77	-55.91	1812.30	
1768.551846.21											
	241	5.29	15.01	0.63	3.32	12.32	-5.61	1399.54	-3392.23	-3362.33	
1369.63377.38											
	240	17.47	61.50	-13.84	-8.68	56.35	19.03	1.541e+04	1.192e+04	1.469e+04	
1.263e+041408.02											
197	138	217	6.45	34.65	-4.58	-4.09	34.16	-4.35	3248.00	-2370.63	3201.46	-
2324.08509.26											
	218	4.09	39.38	-12.05	4.21	23.12	23.91	2809.36	-54.10	1393.94	
1361.321431.64											
	241	4.06	9.26	0.55	2.23	7.58	-3.44	1079.60	-2607.98	-2582.89	
1054.50303.18											
	240	13.41	44.21	-9.81	-6.36	40.76	13.20	1.184e+04	9144.93	1.128e+04	
9706.401095.73											
197	158	217	6.30	23.62	-4.97	-4.66	23.32	-2.93	3233.02	-2360.60	3167.63	-
2295.21601.25											
	218	4.16	34.69	-10.54	4.94	19.21	21.46	2878.11	-133.97	1388.73	
1355.411505.94											
	241	4.03	3.78	0.71	1.28	3.21	-1.20	1089.81	-2603.03	-2562.30	
1049.08385.64											
	240	13.24	34.03	-11.86	-7.62	29.79	13.29	1.180e+04	8988.88	1.116e+04	
9625.921176.99											
197	164	217	6.23	17.97	-8.10	-7.68	17.55	3.29	3235.92	-2350.34	3170.12	-
2284.55602.67											
	218	4.04	26.13	-9.28	3.17	13.67	16.91	2886.40	-126.18	1393.05	
1367.171506.23											
	241	4.07	1.02	-5.61	0.13	-4.72	2.26	1101.47	-2600.90	-2560.01	
1060.58386.94											
	240	13.20	24.53	-4.88	-4.35	24.01	3.90	1.181e+04	8999.02	1.117e+04	
9638.901177.87											
197	174	217	6.43	24.46	-5.02	-5.02	24.46	-0.34	3553.14	-2137.77	3483.36	-
2068.00626.26											
	218	4.26	26.35	-5.63	5.07	15.64	15.09	3167.01	25.73	1690.35	
1502.391567.83											
	241	3.85	5.99	-2.14	5.85	-1.99	-1.08	1266.05	-2220.88	-2169.54	
1214.70420.01											
	240	13.67	31.22	2.09	2.12	31.18	-0.99	1.218e+04	9262.69	1.157e+04	
9867.361181.78											
197	206	217	6.33	19.10	-4.85	-4.18	18.43	3.94	3374.27	-2335.30	3307.34	-
2268.37614.53											
	218	4.12	26.46	-5.11	5.81	15.55	15.02	3041.82	-8.96	1609.75	
1423.121522.53											
	241	3.92	4.56	-4.37	3.32	-3.13	3.09	1160.07	-2409.29	-2364.57	
1115.35397.01											
	240	13.39	24.18	-0.56	-0.42	24.04	1.86	1.197e+04	9081.24	1.134e+04	
9716.311196.88											
198	15	218	2.55	9.08	-5.97	6.67	-3.56	5.52	1076.45	-1230.20	-359.62	
205.871118.13											
	219	1.38	-0.82	-54.28	-3.15	-51.95	10.91	572.58	82.48	87.57	
567.4949.70											
	242	2.73	-1.55	-23.83	-4.20	-21.18	-7.21	2020.41	27.77	28.94	
2019.24-48.20											
	241	4.14	-2.66	-68.51	-3.78	-67.39	-8.54	2462.83	-396.62	-324.99	
2391.19-446.87											
198	101	218	2.49	8.95	-4.03	6.05	-1.13	5.41	1043.85	-1202.56	-360.95	
202.251087.33											

		219	1.36	-1.51	-53.18	-4.03	-50.67	11.12	565.18	85.59	86.34
564.4318.93											
		242	2.71	-0.42	-23.11	-3.85	-19.67	-8.14	2019.34	27.35	30.43
2016.25-78.28											
		241	4.11	-1.69	-66.20	-3.18	-64.71	-9.68	2469.04	-407.88	-326.50
2387.66-476.98											
198	112	218	2.02	5.25	-1.70	4.45	-0.90	2.21	871.47	-991.78	-278.30
157.99905.73											
		219	0.96	-0.45	-34.63	-2.11	-32.96	7.36	442.27	62.51	67.69
437.1044.02											
		242	2.07	-1.00	-15.32	-2.89	-13.43	-4.85	1563.16	21.84	22.50
1562.50-31.92											
		241	3.11	-1.41	-46.47	-2.11	-45.77	-5.58	1893.47	-296.70	-252.83
1849.61-306.84											
198	159	218	2.39	8.24	-0.97	2.22	5.05	-4.38	1013.31	-1140.25	-283.72
156.781054.01											
		219	0.64	0.39	-11.72	-1.12	-10.21	4.00	449.32	58.36	68.74
438.9462.85											
		242	1.98	-0.14	-5.77	-1.79	-4.11	-2.56	1592.66	23.13	23.27
1592.52-15.16											
		241	2.88	0.71	-26.25	0.50	-26.04	-2.36	1899.00	-278.22	-262.06
1882.84-186.87											
198	164	218	2.85	17.79	-6.78	-1.99e-04	11.01	-10.98	1155.91	-1289.47	-289.13
155.571202.30											
		219	0.71	12.58	-0.15	-0.12	12.55	0.64	457.96	52.60	69.79
440.7781.68											
		242	2.05	5.21	-0.69	-0.68	5.20	-0.28	1622.54	24.05	24.05
1622.54 1.59											
		241	2.65	3.18	-6.40	3.10	-6.32	0.85	1918.11	-273.34	-271.29
1916.07-66.91											
198	165	218	2.94	15.19	-6.38	0.74	8.07	-10.14	1264.68	-1291.54	-267.96
241.101252.51											
		219	0.77	8.29	-0.40	-0.19	8.08	1.33	555.85	59.49	90.65
524.70120.39											
		242	2.10	1.44	-2.12	-1.23	0.56	-1.54	1694.02	-22.98	-22.10
1693.1438.91											
		241	2.81	3.21	-9.48	3.20	-9.47	-0.31	1988.44	-317.27	-317.13
1988.30-18.13											
198	223	218	2.88	18.42	-6.48	0.43	11.50	-11.15	1174.15	-1302.73	-288.95
160.381217.89											
		219	0.70	11.48	-0.23	-0.17	11.42	0.83	463.73	52.04	69.79
445.9783.63											
		242	2.06	5.53	-0.71	-0.68	5.50	-0.43	1628.93	23.96	23.97
1628.92 3.51											
		241	2.68	2.87	-8.18	2.73	-8.04	1.23	1924.28	-272.46	-271.23
1923.04-52.06											
199	15	220	25.38	48.04	-1191.77	37.49	-1181.22	113.90	6944.49	543.65	558.92
6929.21312.34											
		221	37.00	864.20	-1223.87	56.91	-416.58	-1016.84	1.085e+04	-3274.54	-679.55
8258.47-5470.65											
		244	17.20	426.94	-215.40	-215.38	426.92	-3.91	-5444.00	-1.131e+04	-6700.45	-
1.005e+04-2406.75											
		243	12.83	134.02	-78.27	27.42	28.32	-106.14	1218.25	-9259.54	1065.36	-
9106.65-1256.41											
199	57	220	25.63	46.25	-1203.80	36.53	-1194.08	109.77	7006.80	563.77	573.42
6997.16249.11											
		221	37.25	866.04	-1231.83	57.89	-423.68	-1020.92	1.100e+04	-3289.36	-657.39
8373.00-5540.30											
		244	17.02	420.11	-213.91	-213.91	420.10	-1.58	-5403.79	-1.126e+04	-6717.50	-
9945.24-2442.57											
		243	12.90	125.18	-83.02	26.49	15.67	-103.96	1201.63	-9205.08	1039.94	-
9043.40-1287.03											
199	133	220	17.39	30.58	-804.18	24.09	-797.69	73.33	4901.14	363.47	370.30	
4894.31175.85											
		221	24.84	578.13	-823.63	39.79	-285.30	-681.77	7551.75	-2098.46	-404.84	
5858.14-3670.89											
		244	11.31	282.53	-143.25	-143.22	282.51	-3.23	-3727.51	-7454.49	-4531.16	-
6650.84-1532.75											
		243	8.57	84.09	-54.79	17.81	11.49	-69.37	816.85	-6113.36	710.07	-

6006.58-853.61
199 159 220 9.77 14.96 -404.26 11.38 -400.68 38.59 3292.01 128.65 135.37
3285.29145.67
221 12.43 291.40 -418.24 24.09 -150.92 -343.86 4567.72 -725.80 -84.47
3926.40-1727.31
244 5.70 153.17 -74.89 -74.41 152.68 -10.54 -2318.22 -3579.04 -2458.00 -
3439.26-395.85
243 4.15 47.53 -23.88 9.76 13.89 -35.64 473.27 -2987.42 426.39 -
2940.54-400.06
199 164 220 2.33 -1.85 -12.36 -1.97 -12.24 1.10 1724.53 -92.85 -89.88
1721.5773.34
221 2.81 11.34 -23.59 9.03 -21.29 -8.67 2086.72 234.95 250.66
2071.01169.84
244 1.97 26.76 -13.07 -4.61 18.30 -16.29 451.60 -1002.88 -396.21 -
155.07717.18
243 0.28 7.88 1.06 1.09 7.85 -0.46 185.86 107.57 125.77
167.6633.07
199 196 220 2.47 -2.47 -19.20 -2.86 -18.81 2.53 1773.40 -86.87 -81.63
1768.1598.63
221 3.02 9.12 -30.86 7.92 -29.66 -6.81 2180.83 247.86 267.37
2161.32193.18
244 2.07 20.71 -13.60 -3.34 10.45 -15.71 562.79 -1021.29 -391.70 -
66.81775.21
243 0.31 2.64 1.63 2.49 1.78 -0.36 270.49 63.87 121.99
212.3692.91
199 215 220 2.34 -1.90 -11.97 -1.97 -11.90 0.84 1739.94 -92.88 -89.43
1736.5079.44
221 2.90 10.68 -27.23 8.61 -25.16 -8.63 2109.27 223.07 246.58
2085.77209.25
244 2.08 26.02 -12.68 -4.36 17.70 -15.91 509.81 -1055.66 -399.10 -
146.75772.50
243 0.28 5.82 1.10 1.10 5.82 -0.08 203.68 103.93 126.22
181.4041.55
200 15 221 36.87 471.30 -809.70 131.04 -469.44 565.771.309e+04 -6264.21 -2340.80
9171.54-7782.09
222 18.79 28.97 -637.32 -353.45 -254.89 -329.48 9833.26 -3802.07 -3671.91
9703.101325.86
245 10.88 163.21 -276.68 116.29 -229.76 135.78 4880.91 -1899.00 4576.22 -
1594.32-1404.61
244 15.67 398.09 -269.73 -223.02 351.38 170.34 -4517.16 -8831.41 -4623.65 -
8724.92-669.41
200 57 221 37.07 458.17 -814.18 121.99 -478.00 561.00 1.325e+04 -6370.15 -2404.53
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222 19.27 24.90 -648.45 -361.69 -261.86 -332.95 1.012e+04 -3886.69 -3743.85
9972.871407.04
245 11.09 157.11 -281.88 111.86 -236.63 133.48 5284.70 -1490.52 5039.49 -
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244 15.58 388.66 -273.44 -228.13 343.34 167.18 -4070.98 -8648.15 -4188.42 -
8530.71-723.72
200 133 221 24.89 305.64 -542.57 83.95 -320.88 372.68 8948.60 -4312.44 -1764.10
6400.26-5224.90
222 13.29 16.29 -436.06 -248.58 -171.19 -222.84 7413.91 -2026.90 -1912.93
7299.951031.00
245 7.67 106.40 -187.28 76.14 -157.02 89.28 3635.66 -1059.60 3504.59 -
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244 10.32 262.19 -185.07 -154.12 231.24 113.52 -2699.33 -5680.21 -2745.43 -
5634.12-367.81
200 159 221 13.15 158.16 -269.20 54.81 -165.85 182.99 4912.99 -2425.80 -1464.85
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222 8.58 10.15 -230.23 -149.50 -70.58 -113.53 6145.90 1110.42 1253.65
6002.67837.07
245 4.84 61.47 -89.50 45.44 -73.46 46.52 2150.68 -958.62 2141.34 -
949.29-170.11
244 5.00 145.87 -101.75 -82.97 127.09 65.55 -1291.93 -2733.15 -1342.11 -
2682.97264.20
200 164 221 3.48 22.16 -19.06 19.64 -16.54 -9.87 1594.73 -1223.67 -1208.10
1579.16208.93
222 6.13 25.90 -56.43 -55.91 25.38 -6.53 5371.71 3885.80 4372.26
4885.25697.27

245 2.35 12.49 4.81 11.78 5.52 2.22 1227.76 -878.20 1086.95 -737.38526.05
244 2.30 23.73 -21.38 -15.24 17.59 15.47 1234.83 -485.81 351.36 397.66860.01
200 196 221 3.64 17.01 -25.55 16.64 -25.18 -3.94 1689.72 -1229.75 -1208.69 1668.66247.08
222 6.39 14.63 -59.25 -59.24 14.61 -1.13 5640.00 3928.13 4402.03 5166.11765.94
245 2.53 10.12 -8.58 7.17 -5.63 6.82 1449.56 -679.12 1213.02 -442.58669.00
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222 6.29 27.78 -61.29 -60.81 27.30 -6.56 5508.27 3897.06 4467.25 4938.09770.44
245 2.66 13.53 6.39 13.13 6.80 1.65 1568.62 -782.12 1444.67 -658.17525.36
244 2.25 23.09 -22.01 -17.57 18.65 13.44 1339.52 -373.81 546.10 419.61854.33
201 15 222 13.50 -33.69 -267.45 -203.17 -97.97 104.38 1.050e+04 7420.25 7421.33 1.050e+0457.50
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246 2.97 -54.73 -123.48 -64.39 -113.81 -23.89 1475.20 895.48 936.68 1434.01-148.94
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201 101 222 13.87 -49.33 -268.96 -205.85 -112.44 99.39 1.086e+04 7475.86 7485.95 1.085e+04184.58
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246 2.41 -35.31 -80.21 -41.69 -73.83 -15.68 1395.44 751.32 754.68 1392.08-46.41
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246 1.44 -13.05 -36.96 -19.81 -30.21 -10.77 1138.16 326.79 563.27 901.68-368.72
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201 164 222 6.07 22.34 -48.75 -47.94 21.54 7.51 5142.60 4335.13 4517.54 4960.19-337.66
223 3.13 35.30 -16.82 1.97 16.51 25.02 1918.35 -706.78 -705.57 1917.15-56.13
246 1.63 15.58 0.99 2.92 13.65 -4.95 1178.65 12.04 443.02 747.67-563.06
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245 1.70 8.27 -0.07 8.01 0.18 -1.43 895.00 -613.70 873.27 -591.97179.75
201 199 222 5.81 19.12 -45.70 -44.97 18.38 6.86 5061.09 3965.33 4140.55

4885.87-401.62
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1754.57-10.38
246 1.64 14.55 0.26 2.08 12.72 -4.77 1038.50 -248.54 115.11
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827.59106.61
202 15 223 8.66 -139.72 -210.40 -201.21 -148.90 -23.77 6229.52 109.95 110.87
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202 101 223 9.26 -135.20 -214.29 -201.01 -148.47 -29.56 6733.15 207.40 208.99
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3050.82811.68
247 5.85 -40.98 -183.41 -95.39 -129.00 -69.20 2037.64 -2501.18 -2480.85
2017.31303.11
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2089.48541.32
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		227	4.53	28.20	-24.89	-8.66	11.96	-24.46	4191.07	1851.45	1928.58 4113.94417.74
		250	2.25	11.96	1.52	11.77	1.71	1.39	1353.22	-669.49	430.74 252.991007.44
		249	2.81	16.87	7.62	15.19	9.29	-3.56	1058.95	-1454.19	-1114.97 719.73858.74
205	196	226	3.96	40.05	0.26	33.65	6.66	-14.62	1434.32	-1878.40	-1845.77 1401.69327.19
		227	4.88	16.95	-19.19	-8.68	6.44	-16.42	4560.00	1952.20	2050.75 4461.44497.29
		250	2.56	15.01	-5.30	13.17	-3.47	5.82	1648.12	-514.36	536.74 597.011080.82
		249	3.02	18.51	13.30	18.43	13.38	0.64	1443.37	-1365.72	-1005.19 1082.84939.56
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		228	13.88	-103.88	-236.50	-175.98	-164.41	-66.06	1.049e+04	6393.73	6862.78 1.002e+041303.87
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236	4.22	-25.49	-65.88	-38.70	-52.67	18.95	55.91	-3334.06	-3201.07	-77.09-658.15
259	4.83	-37.07	-77.54	-72.17	-42.44	13.73	777.51	-3121.73	-2766.63	422.41-1121.83
258	4.60	-47.86	-86.06	-77.57	-56.35	15.88	1622.63	-2560.23	-1828.18	890.59-1589.39
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259	3.59	36.81	24.74	31.61	29.94	5.98	30.54	-2674.49	-2572.58	-71.37-515.07
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236	3.97	48.53	9.41	46.76	11.18	8.14	-552.97	-2973.68	-2968.02	-558.63-116.93
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322.381020.93										
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445.51-447.62										
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1373.75-321.01										
262	2.56	-45.58	-106.78	-101.09	-51.27	-17.77	833.80	-1151.26	-532.26	
214.79919.56										
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150.87-286.36										
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614.97-38.02										
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24.37594.61											
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	266	1.40	30.30	-0.20	-0.19	30.29	0.61	9.06	-789.23	7.20	-
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221 172	243	0.40	11.94	1.24	1.78	11.40	-2.35	166.33	-150.59	-27.43	
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	244	1.71	16.77	-8.04	-1.40	10.13	-10.99	677.80	-679.38	-48.03	
46.44676.95											
	267	1.99	32.67	-4.14	-0.71	29.23	-10.71	312.55	-1043.63	76.97	-
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	266	1.34	27.96	-1.83	-1.73	27.86	-1.71	10.84	-754.05	-2.36	-
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221 222	243	0.27	13.90	0.51	0.56	13.84	-0.86	62.08	-85.86	-12.40	-
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	244	1.55	16.80	-7.05	-2.71	12.46	-9.20	605.44	-629.84	-35.00	
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	267	2.00	35.35	-1.34	0.83	33.19	-8.65	290.71	-1060.21	84.87	-
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	266	1.46	32.60	-0.25	-0.23	32.58	0.74	10.20	-807.84	7.91	-
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222 15	244	9.28	144.33	-195.70	-130.43	79.05	133.92	-2083.93	-6005.96	-2214.11	-
5875.79-702.57											
	245	3.59	5.12	-96.76	4.45	-96.09	8.23	726.30	-1356.52	717.19	-
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	267	6.18	157.39	-3.20	11.83	142.37	46.76	397.13	-3798.46	-96.16	-
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222 159	244	2.94	58.68	-68.99	-43.68	33.36	50.90	-708.99	-2062.90	-742.90	-
2029.00211.56											
	245	1.75	0.15	-24.98	-0.07	-24.76	2.35	1002.09	-339.69	982.44	-
320.04161.19											
	268	3.02	0.32	-7.23	-2.74	-4.17	3.71	266.58	-2249.19	-49.75	-
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	267	3.88	96.85	-3.94	5.26	87.64	29.03	259.45	-2390.29	-55.66	-
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222 164	244	1.94	18.76	-6.75	-0.36	12.37	11.05	722.34	-855.16	-8.59	-
124.23786.63											
	245	1.79	12.87	-2.77	-2.74	12.84	-0.69	1423.45	116.21	1311.84	
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	267	1.78	33.03	-1.80	-0.27	31.50	7.15	441.99	-955.28	259.46	-
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	267	2.06	29.67	0.32	0.92	29.08	4.14	786.66	-943.73	535.86	-
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222	202	244	1.88	19.09	-4.82	0.34	13.93	9.84	873.65	-687.19	264.95	-78.49761.29
		245	2.09	14.17	-2.74	-2.37	13.80	-2.46	1686.88	177.72	1574.45	290.15396.29
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		267	2.03	35.55	2.36	3.67	34.24	6.45	774.13	-889.77	608.43	-724.07498.25
223	15	245	3.51	-80.23	-117.67	-80.23	-117.67	-0.21	1373.33	-1249.47	1366.29	-1242.43-135.67
		246	3.33	-54.15	-194.02	-90.79	-157.39	-61.50	774.08	-805.39	-529.64	498.32-599.59
		269	4.48	-6.06	-135.18	-15.38	-125.86	-33.41	-443.88	-2959.26	-943.19	-2459.941003.32
		268	6.17	24.71	-41.82	7.70	-24.81	29.03	2.91	-4429.56	-569.83	-3856.811486.82
223	101	245	3.51	-80.01	-123.22	-80.01	-123.22	0.32	1395.26	-1173.05	1393.43	-1171.2368.46
		246	2.93	-55.55	-196.48	-90.37	-161.67	-60.78	726.28	-626.92	-498.18	597.53-397.05
		269	4.59	-6.01	-138.35	-14.35	-130.02	-32.15	-269.80	-3069.77	-978.41	-2361.161217.36
		268	6.48	24.91	-46.69	8.51	-30.29	30.09	137.04	-4525.62	-601.59	-3786.991702.47
223	155	245	2.42	-53.45	-80.61	-53.46	-80.61	0.37	1104.90	-754.77	1100.92	-750.7985.91
		246	2.06	-35.22	-129.71	-59.25	-105.67	-41.15	544.84	-457.14	-337.34	425.04-325.09
		269	3.17	-2.18	-90.79	-8.29	-84.68	-22.46	-279.08	-2173.92	-730.01	-1722.99806.91
		268	4.47	17.35	-28.24	6.69	-17.58	19.30	94.50	-3171.47	-400.80	-2676.181171.45
223	159	245	1.80	-27.19	-32.74	-27.25	-32.68	0.58	1196.98	-297.23	1186.29	-286.54125.93
		246	1.63	-10.00	-59.54	-26.03	-43.50	-23.18	555.78	-475.00	-198.75	279.53-456.55
		269	2.00	6.34	-39.50	0.28	-33.44	-15.52	-536.72	-1560.82	-644.80	-1452.75314.65
		268	2.73	11.62	-1.87	6.90	2.84	6.43	27.48	-2145.84	-188.81	-1929.55650.60
223	164	245	1.66	11.66	-0.99	-0.89	11.56	1.15	1369.48	145.45	1289.75	225.18302.04
		246	1.17	17.95	5.33	7.46	15.81	-4.73	549.01	-388.04	-39.18	200.15-452.98
		269	1.38	20.48	4.07	9.54	15.02	-7.73	-580.78	-1118.92	-583.06	-1116.65-34.93
		268	1.77	21.91	5.36	7.66	19.61	-5.72	64.31	-1198.68	2.01	-1136.37273.52
223	172	245	2.18	8.79	-7.07	-6.76	8.48	-2.19	1752.48	195.92	1622.21	326.19431.05
		246	1.02	16.77	-0.84	1.89	14.04	-6.38	651.23	-13.34	300.32	337.58-331.77
		269	1.31	20.05	1.88	8.44	13.48	-8.73	-265.98	-998.31	-280.38	-983.92101.65
		268	2.00	21.91	1.69	6.26	17.33	-8.46	419.08	-1160.92	299.07	-1040.90418.60
223	202	245	2.01	12.47	-0.98	-0.98	12.46	-0.16	1668.72	206.61	1587.84	287.48334.23
		246	1.18	19.05	5.57	8.16	16.46	-5.32	709.45	-162.05	267.19	280.22-435.70
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		268	1.91	23.27	6.92	10.03	20.16	-6.42	357.57	-1144.90	293.07	-1080.39304.55
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248	3.76	-4.38	-60.35	-22.30	-42.43	-26.11	540.19	-2479.65	-2391.76	452.29507.65
271	2.64	-7.94	-56.74	-21.03	-43.64	-21.62	-764.97	-2313.53	-2091.28	-987.22542.93
270	2.16	-2.89	-51.71	-14.59	-40.02	-20.84	-1034.47	-1806.94	-1726.83	-1114.59235.52
225 164 247	2.28	16.98	12.72	15.59	14.11	-2.00	204.71	-1669.23	-1651.63	187.11-180.75
248	2.93	21.87	10.17	20.38	11.66	-3.89	177.14	-2116.19	-2084.67	145.62266.99
271	2.19	18.12	7.69	14.59	11.21	-4.93	-1070.12	-1855.85	-1796.21	-1129.76208.10
270	1.85	20.86	5.87	13.02	13.71	-7.48	-1051.98	-1551.44	-1536.25	-1067.17-85.78
225 178 247	2.62	19.51	14.85	18.50	15.86	1.92	53.91	-1986.26	-1981.24	48.90-101.04
248	3.28	23.33	13.43	23.31	13.45	-0.46	36.95	-2465.89	-2417.72	-11.22343.88
271	2.57	16.86	12.24	16.33	12.77	-1.48	-1204.42	-2220.64	-2136.54	-1288.52279.99
270	2.21	18.55	11.42	14.75	15.22	-3.56	-1207.16	-1873.04	-1872.85	-1207.35-11.24
225 204 247	2.54	16.39	11.79	14.63	13.55	-2.24	100.20	-1940.66	-1928.50	88.04-157.10
248	3.13	20.66	9.59	18.76	11.49	-4.18	84.52	-2342.95	-2307.05	48.62293.01
271	2.40	17.12	7.11	13.15	11.08	-4.90	-1157.33	-2074.83	-2014.30	-1217.86227.75
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249	7.42	-61.56	-198.02	-108.34	-151.24	-64.77	2096.27	-3426.27	-2775.28	1445.271780.83
272	5.45	-77.28	-192.16	-110.85	-158.59	-52.24	-55.34	-3836.31	-2867.78	-1023.871650.44
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226 101 248	7.10	-57.06	-196.03	-107.70	-145.39	-66.88	1503.28	-3975.07	-3671.40	1199.601253.57
249	7.65	-67.43	-194.44	-109.73	-152.14	-59.86	2257.89	-3544.91	-2806.20	1519.181934.14
272	5.70	-80.55	-189.12	-110.47	-159.20	-48.51	107.89	-3987.74	-2924.92	-954.941795.37
271	5.42	-64.02	-177.68	-93.12	-148.59	-49.60	-251.45	-3986.70	-3271.58	-966.561469.61
226 155 248	5.05	-35.25	-129.21	-69.10	-95.37	-45.11	1023.37	-2930.08	-2726.63	819.92873.46
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271	3.79	-40.28	-117.42	-60.14	-97.56	-33.73	-309.98	-2903.72	-2419.25	-794.461010.89
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272	2.66	-17.29	-60.19	-28.26	-49.22	-18.72	-538.02	-2291.97	-1704.28	-1125.71827.89
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		273	2.24	17.33	1.10	16.99	1.44	2.33	-670.01	-2038.28	-785.83	-1922.45380.87
		272	2.33	16.65	7.60	16.64	7.60	-0.20	-938.54	-2053.29	-1462.43	-1529.39556.37
	227	204	249	2.81	17.31	5.32	14.78	7.85	-4.89	591.28	-1784.01	-1434.24	241.51841.71
			250	1.77	10.59	1.21	9.56	2.24	-2.94	1182.79	-373.96	448.16	360.67777.14
		273	2.15	15.00	0.47	14.90	0.57	-1.20	-581.35	-1953.47	-676.94	-1857.89349.31
		272	2.23	14.82	5.68	14.16	6.34	-2.38	-900.27	-1959.78	-1392.89	-1467.16528.45
	228	15	250	6.49	-111.24	-233.55	-159.67	-185.13	-59.81	2645.98	-1177.91	27.74	1440.331776.71
			251	3.83	-55.93	-194.14	-97.58	-152.49	-63.42	1623.66	328.04	340.56	1611.14-126.75
		274	4.52	-134.73	-212.73	-166.36	-181.10	-38.30	-670.82	-2485.39	-1890.35	-1265.86851.86
		273	4.26	-83.76	-190.49	-106.81	-167.44	-43.92	-352.62	-2952.09	-2079.18	-1225.541227.66
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			251	4.03	-59.93	-195.92	-97.41	-158.44	-60.76	1672.93	304.02	304.15	1672.80-13.11
		274	4.63	-138.83	-210.98	-164.02	-185.78	-34.39	-569.63	-2610.87	-1965.41	-1215.09949.16
		273	4.42	-86.07	-193.47	-104.95	-174.59	-40.89	-224.34	-3076.91	-2148.25	-1153.011336.66
	228	155	250	4.71	-76.59	-157.49	-105.62	-128.46	-38.81	2024.54	-867.72	108.40	1048.421367.61
			251	2.67	-38.58	-130.39	-63.28	-105.69	-40.71	1165.48	341.57	349.29	1157.76-79.39
		274	3.23	-90.94	-140.33	-107.24	-124.03	-23.23	-548.70	-1870.87	-1363.13	-1056.44643.05
		273	3.12	-55.18	-128.65	-67.51	-116.32	-27.46	-295.20	-2212.69	-1509.26	-998.63924.12
	228	159	250	3.09	-32.70	-77.34	-48.45	-61.59	-21.33	1586.54	-469.10	485.47	631.971025.20
			251	1.48	-12.81	-63.74	-25.46	-51.09	-22.01	1069.71	384.47	736.25	717.93-342.49
		274	2.37	-37.98	-69.63	-46.51	-61.10	-14.04	-712.80	-1611.01	-854.73	-1469.07327.64
		273	2.32	-18.64	-62.00	-25.16	-55.48	-15.49	-624.22	-1782.34	-1020.71	-1385.85549.53
	228	164	250	1.87	9.11	-0.47	8.43	0.21	-2.46	1370.09	-261.71	840.39	267.99764.06
			251	1.80	12.65	-0.63	12.47	-0.46	-1.54	1366.89	51.25	1098.94	319.20-529.84
		274	2.17	16.07	-1.58	15.78	-1.29	-2.25	-392.30	-1851.94	-396.38	-1847.8677.08
		273	1.98	18.55	0.46	18.43	0.58	-1.50	-527.02	-1775.89	-578.21	-1724.70247.60
	228	173	250	1.99	9.20	2.02	8.12	3.10	2.57	1242.86	-481.48	648.30	113.09819.59
			251	1.50	13.19	0.40	12.05	1.54	3.65	1138.64	-60.23	907.90	170.51-472.64
		274	2.26	16.38	-0.05	16.01	0.32	2.44	-565.67	-2005.81	-578.02	-1993.47132.75
		273	2.13	19.42	2.97	18.87	3.52	2.95	-685.91	-1954.57	-761.54	-1878.94300.37
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			251	1.77	12.16	-1.79	12.00	-1.63	-1.49	1328.93	18.35	1073.06	274.23-519.49
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275	5.53	-133.97	-202.22	-152.95	-183.24	-30.58	-770.88	-3236.06	-3160.82	-846.12-424.05
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276	4.56	-94.07	-125.06	-104.88	-114.25	-14.76	-443.43	-2996.75	-2960.77	-479.41-300.94
275	3.89	-87.25	-134.26	-99.62	-121.89	-20.70	-703.92	-2345.66	-2268.56	-781.01-347.31
230 159 252	2.72	-40.05	-58.94	-44.34	-54.64	-7.92	812.32	-1517.56	-1372.99	667.74-562.08
253	3.60	-32.57	-50.82	-32.80	-50.58	-2.04	338.63	-2665.18	-2645.82	319.26-240.42
276	3.16	-40.89	-57.34	-43.39	-54.84	-5.91	-927.87	-2443.68	-2417.96	-953.59-195.76
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276	2.43	17.87	6.13	17.71	6.29	1.36	-1469.24	-2034.99	-2007.88	-1496.34-120.83
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253	3.14	26.56	4.86	26.40	5.03	1.90	-51.43	-2302.97	-2276.94	-77.46-240.67
276	2.34	18.10	4.65	18.01	4.74	-1.13	-1324.69	-1980.19	-1930.39	-1374.49-173.68
275	2.13	17.84	1.13	17.63	1.34	-1.86	-890.70	-1941.43	-1226.66	-1605.47-490.03
231 15 253	6.74	-139.58	-168.65	-145.98	-162.25	-12.05	1123.79	-4123.02	-4110.04	1110.80-260.69
254	6.33	-146.41	-154.52	-146.41	-154.52	0.01	1082.76	-3784.80	-3774.27	1072.23226.16
277	5.95	-160.77	-165.18	-160.77	-165.18	-0.13	-635.47	-3726.91	-3726.90	-635.48 5.96
276	6.33	-154.57	-178.21	-159.39	-173.39	-9.53	-489.79	-4060.95	-4041.85	-508.89-260.45
231 79 253	6.91	-135.46	-172.81	-147.44	-160.83	-17.43	1180.85	-4181.61	-4150.25	1149.48-408.90
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277	6.05	-157.35	-168.36	-161.92	-163.79	-5.43	-592.48	-3795.80	-3788.64	-599.64-151.28
276	6.49	-150.20	-182.22	-160.52	-171.89	-14.97	-424.46	-4149.79	-4105.19	-469.06-405.15
231 122 253	4.86	-90.96	-109.27	-93.13	-107.10	-5.92	829.31	-3067.84	-3061.46	822.93-157.55
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277	4.23	-103.25	-109.35	-104.10	-108.51	2.10	-528.33	-2761.31	-2757.91	-531.7387.04
276	4.47	-101.77	-115.91	-103.25	-114.43	-4.33	-430.19	-2988.26	-2979.19	-439.26-152.05
231 159 253	3.61	-33.19	-51.86	-33.90	-51.15	-3.57	348.70	-2661.50	-2647.46	334.66-205.07
254	3.42	-34.51	-47.97	-34.59	-47.88	-1.09	378.12	-2480.21	-2451.95	349.86282.82

	277	3.01	-43.28	-51.26	-43.30	-51.25	0.32	-993.13	-2322.74	-2298.28	-1017.59178.69
	276	3.17	-41.75	-55.46	-42.83	-54.39	-3.69	-953.94	-2476.90	-2456.47	-974.37-175.20
231 164	253	3.09	26.07	5.15	26.04	5.18	0.79	-43.17	-2273.99	-2254.32	-62.84-208.54
	254	3.00	25.27	6.19	25.08	6.39	-1.93	48.84	-2168.98	-2106.81	-13.33366.06
	277	2.36	18.20	6.69	18.17	6.73	0.64	-1260.65	-2024.78	-1863.50	-1421.93311.82
	276	2.37	18.25	5.95	18.18	6.01	-0.90	-1378.13	-1999.38	-1957.38	-1420.13-155.98
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	254	3.09	26.17	6.79	26.12	6.84	0.98	145.36	-2203.61	-2118.88	60.63438.01
	277	2.38	20.07	6.09	19.02	7.15	3.69	-1148.58	-2075.14	-1874.41	-1349.30381.69
	276	2.36	19.33	5.69	18.96	6.06	2.21	-1328.76	-1978.83	-1966.76	-1340.84-87.77
231 220	253	3.14	26.82	3.81	26.76	3.87	1.24	-22.99	-2286.51	-2267.66	-41.84-205.71
	254	3.06	25.98	5.03	25.78	5.23	-2.04	71.75	-2189.47	-2123.61	5.90380.24
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	276	2.36	18.66	4.93	18.64	4.95	-0.51	-1336.22	-1992.49	-1954.51	-1374.19-153.23
232 15	254	6.26	-144.16	-156.27	-144.85	-155.58	-2.81	1071.32	-3757.35	-3742.56	1056.53266.83
	255	4.65	-139.21	-168.55	-163.14	-144.62	11.38	1445.81	-1957.49	-1884.82	1373.14491.97
	278	4.70	-146.64	-166.59	-155.71	-157.52	9.94	-1078.94	-2516.42	-2514.11	-1081.2457.51
	277	5.87	-158.13	-169.33	-161.81	-165.65	5.26	-615.96	-3643.52	-3643.42	-616.0617.22
232 35	254	6.43	-140.10	-153.78	-140.10	-153.78	0.18	1179.45	-3899.33	-3877.79	1157.91330.01
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	277	6.01	-153.71	-171.22	-160.43	-164.50	8.51	-510.36	-3768.05	-3766.15	-512.2678.76
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	255	3.43	-88.85	-108.54	-103.31	-94.08	8.69	1099.68	-1542.78	-1458.54	1015.45464.20
	278	3.38	-93.31	-110.27	-100.38	-103.20	8.36	-854.60	-1932.63	-1911.44	-875.79149.64
	277	4.23	-100.50	-112.90	-104.58	-108.82	5.82	-524.81	-2756.05	-2751.96	-528.9095.42
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	278	2.47	-39.64	-51.71	-41.57	-49.77	4.43	-1042.04	-1713.60	-1482.71	-1272.93318.98
	277	2.97	-43.18	-52.29	-43.86	-51.62	2.39	-973.81	-2267.50	-2239.55	-1001.77188.11
232 164	254	2.98	25.19	6.70	24.79	7.09	-2.68	50.99	-2154.33	-2081.37	-21.98394.45
	255	2.09	16.74	5.32	16.53	5.53	-1.54	651.41	-1162.07	-824.87	314.21705.55
	278	2.16	18.51	4.54	18.22	4.83	1.97	-794.54	-1953.45	-1137.66	-1610.33529.07
	277	2.31	17.89	6.24	17.78	6.35	1.12	-1227.35	-1987.04	-1808.95	-1405.44321.83
232 167	254	3.17	27.97	7.96	27.97	7.96	-0.26	132.38	-2257.11	-2161.85	

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	278	2.22	20.61	5.17	19.39	6.39	4.17	-749.48	-2003.80	-1206.09	-
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	277	2.39	19.97	5.58	18.76	6.79	4.00	-1134.99	-2085.56	-1875.78	-
1344.77394.20											
232 224	254	2.98	24.97	5.90	24.52	6.35	-2.91	8.91	-2173.64	-2103.27	-
61.46385.53											
	255	2.07	16.53	3.86	16.38	4.00	-1.36	607.64	-1169.54	-841.70	
279.79689.32											
	278	2.20	18.34	3.25	18.11	3.48	1.86	-847.24	-1999.55	-1169.95	-
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	277	2.35	17.60	5.17	17.55	5.23	0.84	-1295.76	-2027.03	-1845.01	-
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1238.20658.11											
	256	3.84	-116.29	-207.60	-189.37	-134.52	36.50	1467.76	846.33	846.51	
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1317.27721.64											
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259	3.69	-3.76	-33.46	-23.71	-13.50	13.95	112.02	-2879.52	-2680.45	-87.06-745.60
282	3.20	-8.66	-36.54	-32.37	-12.82	9.94	-563.89	-2649.65	-2347.97	-865.57-733.63
281	2.89	-18.13	-39.81	-34.25	-23.70	9.47	-447.61	-2413.43	-1714.35	-1146.69-941.04
236 164 258	2.92	23.94	10.70	18.48	16.16	6.52	569.30	-1873.53	-1485.94	181.71-892.52
259	3.44	27.25	16.12	22.74	20.64	5.46	-57.00	-2647.00	-2536.82	-167.18-522.71
282	2.80	24.66	13.64	17.23	21.07	5.16	-789.13	-2374.79	-2224.59	-939.33-464.33
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259	3.69	30.08	15.96	23.06	22.99	7.06	-46.95	-2833.35	-2703.30	-177.00-587.75
282	3.06	28.68	13.83	18.77	23.74	7.00	-778.54	-2571.73	-2399.85	-950.42-527.89
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236 228 258	2.99	22.90	10.49	18.15	15.24	6.03	579.19	-1931.72	-1516.52	163.99-932.81
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282	2.87	24.09	13.28	16.99	20.38	5.13	-796.12	-2434.98	-2259.99	-971.11-506.13
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237 15 259	5.94	-54.19	-124.32	-104.25	-74.27	31.70	444.40	-4133.40	-3698.51	9.51-1342.28
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237 57 259	6.28	-53.91	-118.61	-101.56	-70.96	28.50	428.53	-4413.67	-3957.22	-27.91-1414.87
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287 3.46 39.79 -26.18 -20.03 33.63 19.19 844.64 -1651.95 229.37 -1036.68-1075.89
242 144 264 3.58 36.22 -28.40 10.37 -2.55 31.66 1435.31 -1198.13 133.37 103.80-1316.64
265 0.67 3.09 -11.95 -3.08 -5.78 7.40 264.79 -181.60 -39.72 122.91-207.85
288 1.66 49.98 -0.56 -0.39 49.81 -2.93 19.53 -785.00 -1.39 -764.07-128.05
287 2.56 30.72 -17.47 -13.40 26.66 13.40 610.17 -1237.70 174.52 -802.05-784.37
242 159 264 2.93 25.53 -13.03 4.42 8.09 19.19 1278.46 -1038.40 137.07 102.99-1158.30
265 0.39 6.95 -2.99 -1.99 5.95 2.99 208.27 -127.70 -40.03 120.60-147.55
288 1.52 39.95 0.01 0.13 39.83 -2.21 2.09 -784.56 -3.82 -778.65-67.92
287 2.21 32.21 -8.23 -6.56 30.54 8.04 467.41 -1120.55 166.89 -820.04-622.01
242 164 264 2.42 19.45 -3.77 -0.68 16.36 7.89 1168.20 -920.29 140.19

107.72-1044.12										
265	0.50	16.11	0.12	0.13	16.09	-0.54	196.43	-113.00	-40.88	
124.31-130.83										
288	1.36	27.99	0.15	0.15	27.99	0.14	-0.08	-789.96	-3.38	-
786.66-50.92										
287	1.98	32.40	-1.04	-0.40	31.76	4.57	372.41	-1042.31	162.04	-
831.95-503.35										
242 174 264	2.54	22.12	-4.30	0.36	17.46	10.07	1211.32	-938.74	146.20	
126.37-1074.98										
265	0.54	17.67	1.25	1.34	17.59	1.19	239.32	-129.63	-34.58	
144.28-161.35										
288	1.39	29.39	-1.34	-1.13	29.18	2.54	13.14	-774.53	4.81	-
766.20-80.56										
287	2.07	34.20	-3.37	-1.84	32.67	7.43	403.74	-1046.60	169.94	-
812.80-533.32										
242 226 264	2.46	19.30	-3.74	-0.51	16.07	8.01	1183.55	-934.84	140.79	
107.91-1059.07										
265	0.50	16.05	0.12	0.13	16.05	-0.27	198.24	-114.74	-41.05	
124.56-132.79										
288	1.38	29.07	0.13	0.13	29.07	0.04	-0.07	-792.10	-3.58	-
788.60-52.55										
287	2.01	33.22	-1.41	-0.59	32.39	5.28	382.51	-1052.54	163.67	-
833.70-515.90										
243 15 266	9.22	254.77	-5.18	-4.96	254.55	-7.57	72.19	-4486.83	64.51	-
4479.15186.94										
267	9.12	206.72	-13.26	-9.98	203.43	-26.69	15.47	-5045.11	-468.83	-
4560.811488.72										
290	7.90	207.09	-7.18	-6.46	206.37	12.41	1186.99	-3897.39	369.90	-
3080.301867.28										
289	7.72	275.41	0.14	0.37	275.19	7.92	-28.80	-3137.98	-49.87	-
3116.91255.08										
243 101 266	9.41	260.44	-4.24	-3.94	260.15	-8.81	70.53	-4583.77	54.44	-
4567.68273.19										
267	9.35	209.05	-13.35	-9.69	205.39	-28.29	48.36	-5189.35	-481.01	-
4659.981578.75										
290	8.18	208.28	-8.40	-8.14	208.01	7.59	1239.89	-4035.26	379.89	-
3175.261948.59										
289	7.93	280.46	-0.61	-0.56	280.42	3.45	-3.29	-3235.84	-37.90	-
3201.24332.65										
243 155 266	6.45	177.62	-2.81	-2.61	177.42	-5.94	44.97	-3155.15	33.70	-
3143.88189.57										
267	6.46	143.81	-9.05	-6.45	141.20	-19.77	73.73	-3576.38	-302.56	-
3200.101109.91										
290	5.73	144.84	-5.63	-5.52	144.73	4.10	839.99	-2816.98	287.54	-
2264.521309.62										
289	5.56	193.13	-0.41	-0.38	193.10	2.35	-7.81	-2308.46	-29.29	-
2286.98221.26										
243 159 266	3.82	101.88	-1.67	-1.59	101.80	-2.79	15.06	-1917.35	10.48	-
1912.7793.95										
267	4.02	87.78	-5.07	-3.28	85.99	-12.78	181.74	-2178.45	-79.29	-
1917.43740.22										
290	3.84	94.51	-2.57	-2.57	94.51	0.05	477.83	-1863.25	268.98	-
1654.40667.31										
289	3.73	117.98	0.04	0.11	117.91	2.82	-29.59	-1692.59	-33.73	-
1688.4682.86										
243 164 266	1.33	29.92	0.10	0.11	29.92	-0.47	-15.16	-744.98	-19.45	-
740.6955.83										
267	1.77	33.48	-1.32	0.08	32.07	-6.86	317.84	-882.83	135.87	-
700.86430.55										
290	2.21	46.49	-1.83	-0.73	45.38	-7.21	261.67	-1112.18	257.09	-
1107.5979.20										
289	2.05	46.20	-0.02	-0.02	46.20	0.32	-30.18	-1146.17	-30.19	-
1146.15-3.83										
243 192 266	1.47	34.78	0.57	0.60	34.75	-0.93	-8.42	-813.17	-31.69	-
789.89134.88										
267	1.96	35.43	-1.63	-0.04	33.85	-7.50	358.11	-993.06	121.75	-
756.70513.32										
290	2.36	49.22	-4.23	-1.93	46.92	-10.85	280.88	-1177.40	264.41	-
1160.92154.12										
289	2.19	51.00	-0.67	-0.48	50.82	-3.10	-17.30	-1196.31	-21.16	-

1192.4567.39												
	243	202	266	1.42	35.21	0.06	0.07	35.20	-0.63	-11.26	-756.66	-15.85	-
752.0758.32													
			267	1.84	35.56	-1.28	-0.02	34.30	-6.71	305.60	-932.48	105.70	-
732.58455.56													
			290	2.30	48.98	-2.30	-1.30	47.98	-7.10	254.49	-1150.39	238.27	-
1134.17150.08													
			289	2.13	50.71	0.05	0.06	50.70	0.60	-28.03	-1159.29	-28.15	-
1159.1711.54													
	244	15	267	8.40	211.29	-46.64	-26.56	191.22	69.10	111.89	-5142.66	-479.66	-
4551.111660.84													
			268	6.08	18.66	-35.80	14.03	-31.18	15.18	341.58	-4259.45	-460.06	-
3457.801745.22													
			291	6.40	36.55	-8.71	9.60	18.24	22.22	1.24	-4998.54	-1194.24	-
3803.062132.60													
			290	7.62	204.52	-7.08	-3.59	201.03	26.92	1096.95	-3936.15	269.20	-
3108.401865.74													
	244	35	267	8.68	213.20	-43.09	-24.29	194.40	66.83	623.88	-5150.07	-71.95	-
4454.241879.76													
			268	6.41	18.59	-36.02	15.61	-33.05	12.39	835.38	-4246.14	-53.39	-
3357.371930.38													
			291	6.66	31.15	-7.59	7.80	15.76	18.96	414.70	-5013.76	-880.09	-
3718.962313.49													
			290	8.01	206.89	-8.01	-5.14	204.02	24.69	1534.41	-3978.98	584.63	-
3029.202081.93													
	244	122	267	6.01	146.45	-28.85	-16.17	133.77	45.40	476.13	-3559.86	-16.76	-
3066.981321.49													
			268	4.44	13.14	-21.24	11.37	-19.47	7.60	579.70	-2978.37	-26.54	-
2372.131337.73													
			291	4.57	21.91	-1.60	6.46	13.85	11.16	182.14	-3553.95	-651.33	-
2720.491555.39													
			290	5.62	143.73	-5.06	-3.32	141.99	15.97	1048.07	-2777.52	438.07	-
2167.521400.54													
	244	159	267	3.75	88.75	-16.05	-8.76	81.46	26.66	292.99	-2251.56	-27.23	-
1931.35843.96													
			268	2.73	9.32	-0.09	8.75	0.48	2.25	213.85	-2050.36	-114.90	-
1721.61797.67													
			291	3.18	20.39	8.46	8.56	20.28	1.12	-367.54	-2597.77	-672.63	-
2292.68766.38													
			290	3.78	92.93	-1.28	-0.77	92.42	6.91	505.22	-1875.52	295.06	-
1665.36675.41													
	244	164	267	1.77	32.54	-1.10	0.16	31.27	6.40	455.37	-952.40	234.11	-
731.14512.37													
			268	1.76	20.98	5.40	7.18	19.19	-4.96	189.51	-1125.79	67.86	-
1004.14381.06													
			291	2.35	30.83	3.70	9.46	25.07	-11.09	-477.30	-1816.03	-484.51	-
1808.8297.96													
			290	2.27	45.14	0.46	0.76	44.84	-3.64	368.37	-1116.42	362.34	-
1110.4094.40													
	244	180	267	2.07	35.38	1.57	2.80	34.15	6.34	785.63	-949.54	533.21	-
697.12611.78													
			268	1.99	20.19	5.98	8.96	17.21	-5.78	511.25	-1134.71	365.47	-
988.93467.66													
			291	2.46	30.78	0.44	8.64	22.57	-13.47	-202.58	-1819.70	-221.12	-
1801.16172.16													
			290	2.53	47.78	0.04	0.58	47.24	-5.06	649.80	-1103.76	630.65	-
1084.61182.24													
	244	202	267	2.00	35.40	2.53	3.90	34.04	6.55	784.94	-878.17	588.59	-
681.82536.66													
			268	1.90	22.01	7.12	9.80	19.33	-5.71	475.28	-1071.56	354.84	-
951.12414.48													
			291	2.43	31.57	4.90	10.23	26.24	-10.66	-187.06	-1776.40	-199.21	-
1764.25138.42													
			290	2.50	47.87	2.21	2.41	47.67	-3.02	653.61	-1092.82	639.05	-
1078.26158.84													
	245	15	268	5.68	-5.14	-33.69	-9.13	-29.71	9.89	358.88	-4089.87	-313.42	-
3417.571593.39													
			269	4.15	-7.49	-126.77	-18.55	-115.70	-34.60	-655.13	-2896.56	-1182.45	-
2369.24950.73													

292	6.31	-7.69	-86.68	-7.81	-86.55	-3.10	-1011.51	-4895.06	-1979.09	-
3927.481679.71										
291	6.30	38.52	-12.84	7.98	17.70	25.22	-42.56	-4901.72	-1127.84	-
3816.442023.78										
245 101 268	6.15	-3.99	-36.30	-7.80	-32.49	10.42	443.00	-4393.75	-358.07	-
3592.691798.02										
269	4.60	-7.22	-129.89	-17.48	-119.63	-33.95	-584.00	-3273.23	-1240.28	-
2616.951155.07										
292	6.79	-6.34	-90.51	-6.43	-90.42	-2.72	-969.06	-5248.18	-2041.85	-
4175.391854.64										
291	6.75	37.97	-13.41	9.60	14.95	25.55	24.56	-5197.36	-1178.61	-
3994.192198.92										
245 155 268	4.25	-2.00	-21.39	-4.36	-19.04	6.33	313.13	-3071.88	-228.32	-
2530.431240.83										
269	3.17	-2.68	-85.22	-10.20	-77.70	-23.75	-495.31	-2307.37	-910.81	-
1891.87761.76										
292	4.75	-2.17	-58.51	-2.36	-58.32	-3.29	-836.75	-3759.78	-1508.17	-
3088.361229.54										
291	4.63	26.37	-5.26	7.82	13.29	15.58	-75.80	-3676.44	-845.82	-
2906.411476.37										
245 159 268	2.56	1.67	0.11	0.54	1.24	0.70	202.85	-1977.40	-60.30	-
1714.26710.27										
269	1.89	7.15	-37.01	2.15e-03	-29.86	-16.27	-647.64	-1518.83	-750.97	-
1415.51281.67										
292	3.17	7.48	-22.42	5.58	-20.52	-7.30	-1097.35	-2791.24	-1284.19	-
2604.40530.64										
291	3.14	20.44	8.25	8.67	20.02	2.23	-365.23	-2573.60	-631.31	-
2307.52718.88										
245 164 268	1.72	21.09	4.89	6.32	19.67	-4.59	162.81	-1099.68	77.95	-
1014.82316.12										
269	1.37	21.79	4.49	10.92	15.37	-8.36	-621.67	-1112.30	-629.68	-
1104.28-62.18										
292	2.61	25.64	3.51	14.45	14.71	-11.06	-1099.80	-2287.97	-1102.05	-
2285.72-51.64										
291	2.36	30.80	4.72	10.60	24.92	-10.90	-446.21	-1831.55	-450.64	-
1827.1378.16										
245 194 268	1.87	19.23	6.70	7.43	18.50	-2.93	102.57	-1296.10	-49.22	-
1144.31435.05										
269	1.57	19.40	6.09	11.90	13.60	-6.60	-759.94	-1292.05	-766.34	-
1285.6558.00										
292	2.80	23.86	4.81	15.68	12.99	-9.43	-1232.19	-2467.80	-1234.13	-
2465.8748.85										
291	2.50	28.90	6.84	11.96	23.78	-9.31	-551.77	-1979.54	-574.06	-
1957.24177.03										
245 204 268	1.64	20.08	3.35	4.37	19.05	-4.01	-121.91	-1178.86	-218.74	-
1082.03304.92										
269	1.50	20.40	3.91	9.45	14.86	-7.79	-901.33	-1195.10	-917.24	-
1179.20-66.48										
292	2.71	24.65	3.01	13.40	14.27	-10.81	-1375.71	-2371.95	-1380.56	-
2367.11-69.32										
291	2.35	29.80	3.58	9.38	23.99	-10.89	-735.82	-1895.91	-738.45	-
1893.2855.20										
246 15 269	4.05	-16.00	-127.83	-29.05	-114.78	-35.91	-674.87	-2871.01	-1228.69	-
2317.18953.71										
270	4.04	-27.29	-170.83	-57.15	-140.96	-58.27	-1031.82	-3038.33	-2534.42	-
1535.74870.16										
293	6.11	-39.67	-134.47	-44.91	-129.24	-21.65	-1736.66	-4752.26	-2831.62	-
3657.311450.18										
292	6.28	-16.00	-83.82	-16.05	-83.77	1.72	-1066.27	-4861.54	-2020.09	-
3907.721646.27										
246 101 269	4.48	-15.39	-132.22	-28.73	-118.88	-37.16	-630.66	-3246.49	-1307.65	-
2569.501145.68										
270	4.36	-27.11	-173.93	-56.75	-144.28	-58.94	-1104.40	-3355.72	-2623.18	-
1836.941054.78										
293	6.56	-37.90	-137.43	-43.07	-132.26	-22.08	-1757.69	-5146.43	-2941.57	-
3962.551615.64										
292	6.74	-14.35	-87.59	-14.36	-87.58	0.77	-1055.79	-5228.44	-2120.21	-
4164.021818.92										
246 155 269	3.09	-8.12	-86.82	-17.78	-77.17	-25.82	-532.62	-2286.32	-962.67	-

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270 3.01 -15.48 -114.94 -36.02 -94.41 -40.26 -910.95 -2410.13 -1949.94 -
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293 4.66 -22.62 -90.68 -26.55 -86.74 -15.89 -1440.87 -3715.64 -2180.18 -
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3079.201204.62
246 159 269 1.84 4.20 -37.42 -3.83 -29.39 -16.42 -684.67 -1492.50 -795.90 -
1381.27278.35
270 2.11 2.02 -52.77 -11.32 -39.43 -23.51 -1046.26 -1788.07 -1699.73 -
1134.60240.27
293 3.35 -1.59 -41.18 -5.78 -37.00 -12.17 -1679.43 -2837.04 -1875.18 -
2641.29433.92
292 3.14 4.43 -20.70 3.04 -19.30 -5.75 -1128.87 -2772.35 -1310.11 -
2591.11514.80
246 164 269 1.35 21.29 4.69 10.32 15.66 -7.86 -669.74 -1086.52 -681.77 -
1074.49-69.79
270 1.84 20.71 6.27 13.64 13.34 -7.22 -1080.83 -1526.73 -1508.68 -
1098.87-87.86
293 2.86 22.64 4.31 16.22 10.73 -8.74 -1634.77 -2518.45 -1643.48 -
2509.74-87.30
292 2.61 26.17 3.85 14.80 15.22 -11.16 -1120.55 -2277.01 -1123.67 -
2273.90-59.93
246 178 269 1.60 18.60 11.50 12.40 17.70 -2.35 -1010.98 -1219.14 -1036.23 -
1193.89-67.96
270 2.23 17.56 13.44 15.70 15.30 -2.05 -1252.61 -1871.12 -1870.69 -
1253.04-16.32
293 3.13 19.37 10.65 17.49 12.52 -3.59 -1979.25 -2673.80 -1991.78 -
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292 2.78 22.26 10.90 16.05 17.10 -5.65 -1459.79 -2395.60 -1464.43 -
2390.95-65.75
246 204 269 1.50 20.15 4.11 9.09 15.17 -7.42 -945.22 -1176.55 -972.22 -
1149.54-74.29
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1182.19-78.62
293 3.01 21.34 4.10 14.90 10.54 -8.34 -1876.68 -2611.20 -1887.90 -
2599.97-90.12
292 2.71 25.02 3.37 13.72 14.67 -10.82 -1393.49 -2362.44 -1399.68 -
2356.26-77.18
247 15 270 4.06 -33.68 -170.21 -63.72 -140.17 -56.56 -1003.28 -3103.83 -2584.79 -
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271 5.28 -49.41 -185.94 -86.55 -148.81 -60.75 -516.43 -3837.57 -3232.05 -
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3408.791473.13
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3638.361461.71
247 101 270 4.35 -35.48 -172.72 -64.51 -143.69 -56.04 -1098.91 -3421.18 -2692.58 -
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271 5.47 -51.81 -187.26 -87.25 -151.83 -59.53 -674.44 -4127.35 -3345.86 -
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252 226 275	2.13	18.05	0.10	17.68	0.47	-2.54	-961.22	-1963.48	-1239.57	-1685.13-448.89
276	2.42	18.85	4.27	18.77	4.36	-1.13	-1485.54	-2026.35	-1959.31	-1552.58-178.22
299	3.48	17.59	2.49	17.37	2.71	-1.79	-1936.31	-3192.14	-1937.51	-3190.94-38.81
298	3.68	17.48	-0.53	16.92	0.03	-3.12	-1516.43	-3430.52	-1528.30	-3418.65-150.26
253 15 276	6.30	-150.50	-179.68	-158.01	-172.17	-12.76	-563.82	-4046.35	-4028.93	-581.24-245.66
277	5.92	-158.25	-164.62	-159.17	-163.70	2.24	-699.61	-3719.21	-3719.16	-699.66-11.53
300	6.85	-173.21	-174.68	-173.43	-174.46	-0.52	-2518.24	-4218.32	-4109.63	-2626.92-415.88
299	7.04	-168.46	-186.22	-170.52	-184.16	-5.69	-2444.33	-4449.66	-4438.36	-2455.63-150.12
253 79 276	6.51	-147.42	-186.28	-159.75	-173.95	-18.09	-871.91	-4199.41	-4152.48	-918.85-392.41
277	6.08	-159.79	-166.98	-160.98	-165.79	-2.67	-1033.82	-3854.22	-3844.26	-1043.78-167.30
300	7.19	-169.68	-181.06	-174.36	-176.37	-5.60	-2754.98	-4478.63	-4257.91	-2975.70-575.96
299	7.33	-165.29	-191.87	-171.40	-185.76	-11.18	-2748.48	-4634.52	-4585.10	-2797.89-301.27
253 144 276	4.59	-96.21	-123.02	-104.02	-115.21	-12.18	-773.71	-3063.60	-3028.55	-808.76-281.12
277	4.29	-104.29	-110.21	-104.83	-109.67	-1.71	-888.98	-2813.57	-2810.89	-891.66-71.74
300	5.13	-111.46	-119.35	-113.88	-116.93	-3.64	-2237.81	-3244.91	-3089.14	-2393.58-364.17
299	5.23	-108.11	-127.14	-111.95	-123.30	-7.64	-2235.22	-3351.68	-3313.16	-2273.75-203.78
253 159 276	3.16	-40.44	-55.84	-42.10	-54.19	-4.77	-1008.70	-2467.83	-2448.97	-1027.56-164.81
277	3.00	-42.33	-51.07	-42.47	-50.94	1.06	-1043.54	-2315.79	-2293.94	-1065.40165.30
300	3.84	-47.76	-55.39	-47.77	-55.38	0.21	-2419.64	-2632.22	-2434.64	-2617.22-54.43
299	3.90	-46.43	-59.63	-47.00	-59.06	-2.69	-2499.01	-2624.85	-2569.26	-2554.60-62.49
253 164 276	2.38	18.72	5.59	18.66	5.65	-0.91	-1430.36	-1992.83	-1951.76	-1471.43-146.34
277	2.37	18.72	6.38	18.69	6.40	0.56	-1307.42	-2021.51	-1860.38	-1468.55298.50
300	3.39	17.76	4.85	17.72	4.89	0.68	-1860.79	-3091.58	-1878.99	-3073.38148.58
299	3.37	17.51	3.96	17.36	4.10	-1.40	-1922.76	-3064.05	-1923.18	-

3063.63-21.98
253 190 276 2.56 17.76 4.50 17.69 4.57 0.91 -1631.87 -2141.68 -2042.53 -
1731.02-201.78
277 2.48 18.25 4.34 17.66 4.94 2.81 -1563.72 -2101.35 -1948.79 -
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300 3.63 18.45 3.18 18.05 3.58 2.44 -1980.67 -3330.83 -1986.71 -
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299 3.64 17.69 3.19 17.69 3.19 -0.04 -2028.23 -3331.97 -2033.27 -
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277 2.42 18.43 5.18 18.41 5.19 0.42 -1376.10 -2061.28 -1896.50 -
1540.89292.83
300 3.49 17.55 3.57 17.54 3.58 0.39 -1910.57 -3199.43 -1927.57 -
3182.43147.03
299 3.48 17.35 2.77 17.11 3.01 -1.85 -1975.88 -3177.55 -1976.24 -
3177.19-20.74
254 15 277 5.85 -157.78 -164.04 -158.41 -163.42 1.88 -717.26 -3666.10 -3666.03 -
717.3314.19
278 4.71 -143.75 -171.80 -159.24 -156.30 13.95 -1038.23 -2499.35 -2499.27 -
1038.31 11.17
301 6.40 -159.51 -174.99 -171.46 -163.05 6.50 -2544.13 -3814.72 -3205.62 -
3153.23-634.76
300 6.80 -168.79 -179.63 -173.36 -175.06 5.35 -2551.17 -4164.95 -4056.72 -
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254 79 277 6.01 -158.97 -165.85 -159.47 -165.35 -1.78 -1053.17 -3802.67 -3793.77 -
1062.07-156.17
278 4.92 -150.04 -170.86 -160.67 -160.24 10.40 -1344.60 -2645.12 -2623.81 -
1365.91-165.11
301 6.81 -166.22 -173.28 -172.58 -166.92 2.10 -2607.30 -4224.59 -3347.55 -
3484.34-805.75
300 7.13 -173.90 -177.16 -174.13 -176.93 0.84 -2780.07 -4429.52 -4201.92 -
3007.67-568.87
254 144 277 4.23 -103.60 -109.62 -103.82 -109.40 -1.12 -903.00 -2774.64 -2772.59 -
905.04-61.81
278 3.45 -98.25 -112.68 -104.73 -106.21 7.18 -1118.91 -1902.35 -1899.87 -
1121.39-44.05
301 4.89 -109.82 -113.61 -112.67 -110.76 1.64 -2058.80 -3128.68 -2428.03 -
2759.45-508.63
300 5.09 -113.63 -117.45 -113.75 -117.33 0.66 -2255.49 -3209.64 -3047.81 -
2417.32-358.08
254 159 277 2.97 -42.12 -51.00 -42.21 -50.91 0.90 -1048.18 -2284.69 -2256.52 -
1076.35184.50
278 2.44 -39.68 -52.76 -42.96 -49.47 5.67 -1050.69 -1664.65 -1473.39 -
1241.94284.33
301 3.82 -45.48 -53.67 -47.01 -52.15 3.19 -1894.88 -2914.50 -1902.94 -
2906.44-90.29
300 3.84 -47.24 -56.27 -47.83 -55.69 2.23 -2391.90 -2646.44 -2399.98 -
2638.36-44.62
254 164 277 2.36 18.71 6.27 18.69 6.28 0.49 -1289.69 -2013.39 -1825.60 -
1477.49317.24
278 2.10 18.09 4.40 17.85 4.64 1.81 -811.31 -1899.52 -1129.95 -
1580.88495.19
301 3.54 18.13 3.66 17.90 3.88 1.81 -1447.39 -3299.25 -1472.47 -
3274.17214.04
300 3.40 17.62 4.66 17.58 4.70 0.78 -1829.01 -3111.53 -1848.96 -
3091.59158.70
254 194 277 2.46 19.34 3.53 18.03 4.84 4.36 -1514.82 -2107.30 -1901.12 -
1721.00282.22
278 2.20 19.03 -0.13 16.97 1.93 5.94 -954.85 -2049.52 -1201.19 -
1803.18457.14
301 3.76 19.81 -0.31 18.22 1.28 5.43 -1542.83 -3516.23 -1559.53 -
3499.54180.74
300 3.63 19.10 2.27 18.00 3.37 4.15 -1928.83 -3349.70 -1940.32 -
3338.21127.27
254 224 277 2.40 18.47 5.08 18.47 5.08 0.21 -1357.28 -2054.24 -1861.78 -
1549.73311.60
278 2.14 17.96 2.87 17.75 3.08 1.78 -863.83 -1945.57 -1162.23 -
1647.17483.47

301	3.63	18.07	2.15	17.92	2.30	1.54	-1495.97	-3398.97	-1519.12	-3375.82208.61
300	3.50	17.44	3.38	17.43	3.39	0.36	-1879.01	-3219.21	-1897.71	-3200.50157.21
255 15 278	4.53	-142.44	-167.95	-153.61	-156.79	12.65	-1091.89	-2342.47	-2340.33	-1094.0451.77
279	3.80	-121.96	-168.26	-155.06	-135.16	20.91	-508.33	-2058.34	-1037.68	-1528.99-735.04
302	6.24	-141.52	-172.25	-167.18	-146.59	11.40	-1952.70	-4096.13	-2414.20	-3634.63-881.02
301	6.37	-154.74	-181.02	-172.92	-162.84	12.14	-2526.61	-3807.33	-3144.10	-3189.84-639.95
255 79 278	4.72	-147.11	-166.56	-153.24	-160.44	9.03	-1403.74	-2470.79	-2454.86	-1419.67-129.40
279	4.28	-129.18	-166.08	-154.61	-140.65	17.08	-506.46	-2499.78	-1152.13	-1854.11-932.81
302	6.77	-150.21	-170.72	-168.19	-152.74	6.74	-1982.17	-4560.92	-2574.18	-3968.91-1084.51
301	6.79	-161.57	-178.54	-173.52	-166.59	7.75	-2585.21	-4243.77	-3304.28	-3524.70-821.92
255 144 278	3.32	-95.99	-110.17	-99.74	-106.42	6.25	-1162.03	-1772.13	-1771.73	-1162.43-15.56
279	3.01	-84.71	-109.24	-100.73	-93.23	11.68	-441.14	-1829.93	-804.97	-1466.10-610.67
302	4.90	-99.19	-111.83	-109.70	-101.33	4.74	-1552.97	-3420.09	-1872.13	-3100.94-702.88
301	4.89	-106.37	-117.53	-113.33	-110.57	5.41	-2035.51	-3147.80	-2393.71	-2789.60-519.73
255 159 278	2.40	-38.55	-52.34	-40.92	-49.97	5.20	-998.74	-1638.36	-1354.51	-1282.59317.78
279	2.12	-34.02	-50.47	-41.72	-42.77	8.21	-464.55	-1525.39	-502.64	-1487.29-197.38
302	3.93	-41.20	-50.94	-45.40	-46.74	4.83	-1442.31	-3170.71	-1467.75	-3145.26-208.14
301	3.84	-44.35	-55.49	-47.64	-52.20	5.08	-1851.12	-2940.48	-1859.18	-2932.42-93.39
255 164 278	2.13	18.36	3.84	18.15	4.05	1.73	-705.91	-1927.59	-1013.65	-1619.84530.34
279	2.03	17.94	3.69	17.59	4.03	2.19	-271.76	-1730.09	-276.62	-1725.2384.06
302	3.70	18.44	3.52	18.22	3.75	1.81	-1159.92	-3422.56	-1170.04	-3412.45150.94
301	3.57	17.88	3.44	17.64	3.68	1.83	-1407.75	-3322.17	-1431.44	-3298.48211.64
255 186 278	2.21	18.06	1.05	18.04	1.07	0.59	-866.04	-2036.27	-1050.70	-1851.62426.61
279	2.33	17.59	-0.17	17.54	-0.13	0.89	-312.57	-1955.54	-313.15	-1954.95-30.97
302	4.00	17.20	-0.85	17.20	-0.85	-2.69e-03	-1236.90	-3648.40	-1237.36	-3647.9433.25
301	3.79	16.89	0.61	16.88	0.62	0.21	-1493.69	-3542.30	-1499.46	-3536.53108.60
255 226 278	2.16	18.67	2.16	18.52	2.31	1.56	-750.03	-1975.02	-1037.73	-1687.31519.29
279	2.11	18.46	1.68	18.17	1.97	2.18	-294.42	-1784.99	-297.24	-1782.1764.74
302	3.82	18.99	1.68	18.85	1.83	1.56	-1197.35	-3513.66	-1206.06	-3504.95141.81
301	3.65	18.25	1.78	18.11	1.91	1.47	-1446.55	-3423.40	-1468.53	-3401.41207.31
256 15 279	3.78	-114.08	-161.65	-143.15	-132.59	23.19	-526.66	-2149.42	-1134.37	-1541.71-785.40
280	4.39	-106.71	-160.82	-147.32	-120.21	23.42	-47.67	-2845.54	-1350.71	-1542.51-1395.64
303	6.07	-116.17	-163.60	-159.83	-119.95	12.84	-1615.02	-4286.59	-2242.46	-3659.15-1132.50
302	6.19	-137.78	-177.10	-170.60	-144.28	14.61	-1900.20	-4084.46	-2346.20	-3638.46-880.49
256 79 279	4.30	-122.70	-158.54	-142.23	-139.01	17.85	-523.27	-2598.10	-1249.38	-1872.00-989.61

280	4.98	-115.90	-156.27	-146.26	-125.91	17.44	-57.05	-3288.70	-1466.72	-
1879.03-1602.62										
303	6.64	-124.57	-162.03	-160.62	-125.98	7.15	-1610.42	-4752.78	-2366.04	-
3997.16-1342.94										
302	6.72	-147.20	-175.08	-171.47	-150.82	9.37	-1897.48	-4543.75	-2469.16	-
3972.07-1089.04										
256 144 279	3.04	-80.06	-104.45	-92.40	-92.12	12.19	-458.68	-1899.67	-878.68	-
1479.67-654.84										
280	3.52	-75.70	-102.46	-95.17	-82.98	11.91	-123.93	-2403.70	-1057.79	-
1469.85-1121.11										
303	4.80	-81.99	-105.65	-104.53	-83.10	5.00	-1299.45	-3544.18	-1747.85	-
3095.78-897.49										
302	4.87	-97.21	-114.77	-111.92	-100.06	6.47	-1487.58	-3411.49	-1796.07	-
3103.00-705.93										
256 159 279	2.13	-30.37	-48.87	-37.42	-41.82	8.98	-513.64	-1557.50	-572.61	-
1498.53-240.99										
280	2.36	-28.41	-46.77	-39.17	-36.00	9.04	-352.29	-1874.93	-790.14	-
1437.09-689.18										
303	3.76	-33.20	-45.49	-42.46	-36.22	5.29	-1382.40	-3141.14	-1472.05	-
3051.49-386.83										
302	3.92	-40.51	-52.21	-46.71	-46.01	5.84	-1394.70	-3171.10	-1419.42	-
3146.38-208.10										
256 164 279	2.00	18.51	3.85	18.17	4.19	2.21	-342.25	-1738.55	-343.22	-
1737.5836.72										
280	2.02	17.97	6.74	17.53	7.18	2.18	-465.53	-1762.98	-599.82	-
1628.68-395.23										
303	3.52	19.33	6.38	19.08	6.63	1.79	-1278.51	-3232.69	-1278.65	-
3232.55-16.46										
302	3.71	18.12	3.47	17.92	3.68	1.71	-1114.86	-3422.05	-1124.74	-
3412.17150.70										
256 186 279	2.34	18.43	-0.61	18.43	-0.61	-0.10	-370.56	-1973.77	-374.79	-
1969.54-82.24										
280	2.31	17.93	2.94	17.91	2.97	-0.61	-443.71	-2049.96	-631.35	-
1862.33-515.93										
303	3.74	18.13	2.13	18.09	2.17	-0.75	-1305.28	-3475.70	-1314.05	-
3466.94-137.65										
302	4.02	16.87	-1.21	16.86	-1.20	-0.50	-1159.83	-3645.65	-1160.21	-
3645.2730.67										
256 226 279	2.09	19.12	1.82	18.89	2.05	1.98	-363.47	-1794.48	-363.68	-
1794.2717.25										
280	2.07	18.47	4.82	18.15	5.14	2.07	-471.31	-1824.93	-617.04	-
1679.21-419.55										
303	3.58	20.06	4.47	19.92	4.61	1.49	-1309.97	-3313.55	-1310.48	-
3313.03-32.09										
302	3.84	18.69	1.56	18.57	1.67	1.40	-1152.40	-3513.17	-1160.91	-
3504.66141.49										
257 15 280	4.34	-101.78	-156.30	-140.19	-117.90	24.88	-9.10	-2870.13	-1369.53	-
1509.70-1428.80										
281	5.21	-82.64	-148.84	-136.37	-95.11	25.89	-67.51	-3652.77	-2423.26	-
1297.02-1701.89										
304	5.83	-92.65	-151.75	-149.48	-94.92	11.37	-1767.40	-4186.33	-2716.51	-
3237.21-1181.11										
303	6.05	-113.85	-165.61	-159.72	-119.74	16.44	-1639.51	-4295.01	-2283.69	-
3650.83-1138.26										
257 79 280	4.98	-112.52	-152.45	-141.02	-123.95	18.05	6.32	-3319.33	-1470.05	-
1842.96-1652.34										
281	5.73	-91.20	-143.89	-135.85	-99.24	18.94	-73.82	-4047.96	-2518.20	-
1603.59-1933.73										
304	6.36	-98.59	-150.83	-150.31	-99.12	5.22	-1743.67	-4639.07	-2834.43	-
3548.31-1403.01										
303	6.63	-123.00	-163.73	-160.87	-125.85	10.40	-1631.74	-4764.21	-2407.26	-
3988.68-1351.99										
257 144 280	3.52	-73.32	-99.94	-91.61	-81.65	12.34	-79.24	-2424.75	-1061.70	-
1442.29-1157.22										
281	4.08	-58.51	-93.96	-88.19	-64.28	13.09	-150.47	-2972.55	-1881.39	-
1241.64-1374.30										
304	4.56	-64.02	-97.98	-97.53	-64.47	3.89	-1435.61	-3426.96	-2130.27	-
2732.30-949.09										
303	4.79	-80.87	-106.88	-104.73	-83.01	7.15	-1318.02	-3551.04	-1779.98	-

3089.08-904.52										
257 159 280	2.35	-26.19	-45.44	-36.52	-35.11	9.60	-332.55	-1882.27	-803.59	-
1411.24-712.81										
281	2.83	-17.46	-41.58	-35.33	-23.72	10.57	-454.67	-2379.89	-1668.76	-
1165.80-929.18										
304	3.40	-22.85	-40.40	-38.45	-24.80	5.52	-1708.35	-2857.72	-1928.29	-
2637.79-452.13										
303	3.75	-32.17	-46.50	-42.55	-36.12	6.40	-1411.01	-3138.86	-1505.57	-
3044.29-393.01										
257 164 280	2.02	18.49	6.91	18.01	7.39	2.31	-459.96	-1754.89	-612.49	-
1602.36-417.43										
281	2.44	19.89	12.07	17.87	14.09	3.42	-758.42	-2055.34	-1519.43	-
1294.33-638.62										
304	3.16	21.11	11.04	20.08	12.07	3.06	-1793.81	-2761.78	-1804.92	-
2750.67-103.10										
303	3.51	19.08	6.48	18.86	6.70	1.63	-1313.25	-3225.02	-1313.55	-
3224.72-23.98										
257 186 280	2.32	17.21	2.88	17.14	2.95	-0.93	-418.47	-2046.29	-631.21	-
1833.54-548.68										
281	2.64	17.86	10.91	17.86	10.91	0.02	-744.22	-2294.62	-1533.66	-
1505.18-775.07										
304	3.35	18.98	8.80	18.98	8.81	0.17	-1787.32	-3009.75	-1832.79	-
2964.28-231.33										
303	3.72	17.63	2.09	17.55	2.16	-1.10	-1335.75	-3468.86	-1345.95	-
3458.67-147.11										
257 224 280	2.07	18.68	5.20	18.37	5.51	2.01	-469.48	-1819.35	-636.47	-
1652.36-444.44										
281	2.50	19.64	11.06	18.13	12.58	3.27	-755.79	-2115.72	-1536.48	-
1335.03-672.47										
304	3.22	21.27	9.58	20.48	10.38	2.94	-1818.27	-2833.93	-1834.81	-
2817.39-128.56										
303	3.57	19.35	4.75	19.23	4.87	1.27	-1351.89	-3305.57	-1352.82	-
3304.64-42.68										
258 15 281	5.18	-79.40	-145.11	-131.24	-93.27	26.81	-98.84	-3675.75	-2503.21	-
1271.38-1679.05										
282	5.53	-60.68	-137.77	-125.40	-73.05	28.30	-386.73	-3940.16	-3269.59	-
1057.30-1390.39										
305	5.52	-71.89	-134.93	-133.16	-73.66	10.41	-1858.62	-3941.83	-3152.09	-
2648.37-1010.70										
304	5.78	-89.89	-150.33	-145.97	-94.25	15.64	-1804.05	-4188.44	-2773.40	-
3219.09-1171.18										
258 79 281	5.69	-87.99	-143.11	-133.36	-97.74	21.03	-101.04	-4054.38	-2581.24	-
1574.17-1911.46										
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1343.07-1625.26										
305	5.93	-75.92	-134.82	-134.29	-76.45	5.57	-1837.40	-4334.04	-3235.74	-
2935.69-1239.27										
304	6.28	-96.40	-149.52	-147.36	-98.56	10.49	-1756.09	-4628.28	-2860.89	-
3523.47-1397.36										
258 144 281	4.05	-56.27	-93.46	-86.50	-63.23	14.50	-172.11	-2978.79	-1931.62	-
1219.28-1357.39										
282	4.22	-41.67	-88.67	-82.46	-47.89	15.92	-409.27	-3143.76	-2526.57	-
1026.46-1143.14										
305	4.24	-48.02	-87.33	-86.80	-48.55	4.53	-1511.16	-3190.35	-2453.54	-
2247.97-833.28										
304	4.51	-62.44	-97.21	-95.56	-64.09	7.40	-1448.63	-3419.24	-2153.79	-
2714.08-944.64										
258 159 281	2.83	-16.01	-40.40	-33.51	-22.90	10.98	-479.47	-2396.38	-1730.29	-
1145.56-912.77										
282	3.16	-6.46	-37.92	-31.81	-12.56	12.44	-614.07	-2649.09	-2353.62	-
909.53-716.93										
305	3.14	-11.96	-35.12	-32.79	-14.29	6.96	-1835.26	-2593.93	-2310.32	-
2118.87-367.06										
304	3.39	-21.49	-40.30	-37.25	-24.53	6.93	-1745.94	-2850.98	-1972.22	-
2624.69-445.93										
258 164 281	2.46	20.30	12.22	18.07	14.45	3.61	-785.58	-2069.10	-1580.98	-
1273.70-623.10										
282	2.80	24.76	13.67	17.63	20.80	5.31	-839.28	-2374.01	-2230.16	-
983.12-447.29										

305	2.98	25.57	13.02	20.47	18.11	6.16	-2144.95	-2259.23	-2222.87	-
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304	3.17	21.14	11.12	20.12	12.15	3.03	-1838.31	-2748.90	-1848.99	-
2738.23-98.00										
258 184 281	2.72	17.10	11.94	17.06	11.98	-0.40	-788.93	-2371.29	-1679.66	-
1480.56-784.89										
282	2.99	20.15	16.14	16.84	19.44	1.52	-915.99	-2591.27	-2327.21	-
1180.05-610.44										
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2379.12-213.06										
304	3.38	19.82	9.79	19.79	9.82	-0.53	-1891.46	-3008.34	-1953.84	-
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258 228 281	2.53	19.63	11.57	17.93	13.27	3.29	-789.50	-2145.95	-1623.25	-
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282	2.87	24.12	13.25	17.38	20.00	5.28	-846.20	-2434.08	-2265.54	-
1014.75-489.10										
305	3.04	25.30	12.26	20.43	17.14	6.31	-2159.97	-2340.22	-2266.54	-
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2801.89-128.80										
259 15 282	5.47	-58.29	-133.16	-119.82	-71.64	28.65	-403.11	-3945.71	-3289.86	-
1058.95-1375.96										
283	4.94	-43.09	-127.12	-114.09	-56.12	30.42	-564.51	-3454.58	-3125.11	-
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306	4.76	-55.28	-115.86	-113.76	-57.37	11.08	-1644.03	-3366.91	-2917.63	-
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283	5.15	-47.06	-128.13	-116.72	-58.48	28.20	-605.91	-3691.75	-3168.89	-
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306	5.04	-57.91	-116.26	-114.78	-59.39	9.17	-1618.38	-3674.06	-2965.27	-
2327.17-977.07										
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283	2.63	35.54	21.94	24.35	33.13	5.19	-750.57	-2171.30	-2157.11	-
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734.33-375.91
309 2.49 18.91 -38.07 -24.53 5.37 24.25 646.04 -1114.81 567.39 -
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263 159 286 2.80 30.41 -21.49 -3.68 12.60 24.64 1375.46 -932.08 1363.03 -
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287 2.59 34.82 -9.77 -6.89 31.93 10.97 934.44 -996.33 635.44 -
697.33-698.50
310 2.02 43.60 -2.61 -0.34 41.33 9.99 568.76 -761.42 543.97 -
736.62-179.90
309 2.16 22.16 -13.83 -9.51 17.83 11.71 625.52 -1024.28 616.33 -
1015.08-122.82

263	164	286	2.80	26.18	5.83	6.20	25.81	2.71	1496.52	-912.94	1496.46	-
912.87-12.80												
		287	2.13	32.10	1.09	2.36	30.83	-6.15	902.85	-907.06	690.42	-
694.63-582.54												
		310	1.88	36.53	2.23	2.23	36.53	-0.05	607.97	-730.23	605.39	-
727.64-58.77												
		309	2.19	31.32	4.46	4.67	31.11	2.37	709.48	-1006.37	708.72	-
1005.6036.24												
263	174	286	3.03	26.78	4.91	6.12	25.57	5.00	1716.83	-896.42	1716.82	-
896.41-4.90												
		287	2.36	36.35	2.93	3.40	35.89	-3.91	1102.99	-850.32	914.70	-
662.02-576.49												
		310	2.11	42.00	3.02	3.42	41.61	3.88	829.66	-696.14	828.14	-
694.62-48.15												
		309	2.37	32.23	3.52	4.97	30.78	6.29	928.40	-990.38	927.15	-
989.1348.97												
263	210	286	2.87	26.85	8.27	9.11	26.02	3.85	1609.97	-893.81	1609.94	-
893.78-8.45												
		287	2.26	33.71	3.89	5.17	32.43	-6.05	1091.65	-843.48	898.11	-
649.94-580.57												
		310	2.01	38.52	5.38	5.40	38.49	0.94	807.93	-686.19	805.99	-
684.25-53.78												
		309	2.25	31.91	7.32	7.64	31.60	2.76	829.67	-985.61	828.49	-
984.4346.39												
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868.90-971.67												
		288	2.19	71.96	-2.66	-2.19	71.49	5.92	-10.72	-938.78	-33.19	-
916.32-142.65												
		311	2.79	106.57	-2.02	-1.69	106.24	-6.04	-25.02	-1046.00	-27.75	-
1043.27-52.73												
		310	2.49	63.70	-9.94	-9.49	63.24	-5.78	388.88	-1135.82	239.76	-
986.70-452.90												
264	79	287	3.63	68.15	-18.10	-2.06	52.10	33.56	870.98	-1487.02	260.37	-
876.40-1032.95												
		288	2.29	76.78	-2.17	-1.51	76.11	7.22	13.91	-968.12	-30.21	-
924.01-203.42												
		311	2.87	110.70	-2.41	-2.31	110.60	-3.29	-9.39	-1063.20	-21.72	-
1050.87-113.35												
		310	2.62	66.02	-10.55	-10.45	65.92	-2.80	431.15	-1179.48	245.77	-
994.10-514.02												
264	144	287	2.65	49.30	-11.88	-1.48	38.91	22.97	631.29	-1106.79	200.11	-
675.61-750.67												
		288	1.70	54.95	-1.40	-0.98	54.54	4.82	5.57	-741.12	-23.70	-
711.85-144.91												
		311	2.11	78.37	-1.58	-1.52	78.31	-2.20	-10.25	-815.72	-17.45	-
808.52-75.81												
		310	1.95	48.91	-7.10	-7.05	48.85	-1.75	303.44	-880.05	188.33	-
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264	159	287	2.15	38.54	-5.67	-1.29	34.16	13.21	493.32	-972.59	198.55	-
677.82-587.55												
		288	1.45	40.05	-0.74	-0.64	39.95	2.01	-15.34	-723.63	-26.20	-
712.76-87.07												
		311	1.76	54.93	-0.56	-0.49	54.86	-2.04	-21.41	-806.97	-21.85	-
806.53-18.61												
		310	1.73	42.00	-3.56	-3.51	41.95	-1.46	218.83	-798.15	184.00	-
763.32-184.94												
264	164	287	1.80	31.96	-1.46	-0.85	31.35	4.47	398.72	-884.80	198.96	-
685.03-465.29												
		288	1.28	28.45	0.15	0.15	28.45	0.06	-19.76	-725.76	-26.72	-
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		310	1.60	36.85	-0.64	-0.62	36.83	0.83	187.44	-770.40	183.67	-
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264	186	287	1.90	35.31	-1.57	-0.78	34.52	5.34	426.92	-908.79	201.25	-
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		288	1.38	33.59	0.53	0.54	33.57	0.77	-9.26	-744.83	-24.43	-
729.66-104.53												
		311	1.56	39.39	-0.53	-0.39	39.25	2.41	-15.37	-821.87	-17.03	-

820.21-36.51
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266 57 290	8.36	214.03	-9.86	-8.13	212.30	19.58	1439.97	-4096.34	605.45	-
3261.831980.84										
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3515.522171.33										
314	5.98	17.98	-21.32	-18.60	15.26	9.98	-632.21	-5074.30	-1227.88	-
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313	7.56	196.13	-20.47	-19.91	195.57	-10.99	990.89	-3329.19	631.98	-
2970.281192.36										
266 133 290	5.87	148.56	-6.60	-5.58	147.54	12.55	989.26	-2867.05	449.95	-
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291	4.33	20.57	12.45	13.14	19.88	2.26	176.56	-3354.19	-600.83	-
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266 159 290	3.86	92.38	-4.35	-4.06	92.10	5.24	492.05	-1925.10	275.22	-
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291	3.16	22.53	12.78	13.40	21.91	-2.38	-341.52	-2527.39	-658.08	-
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314	3.74	19.98	0.94	2.78	18.14	-5.63	-829.92	-3171.51	-840.08	-
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313	3.87	96.78	-4.04	-2.44	95.17	-12.61	346.63	-1828.35	346.36	-
1828.0824.13										
266 164 290	2.33	45.36	-1.52	-1.21	45.05	-3.81	358.07	-1159.65	347.38	-
1148.96126.93										
291	2.28	31.60	6.74	13.02	25.32	-10.80	-456.03	-1758.76	-466.45	-
1748.34116.06										
314	3.52	37.56	-7.92	7.35	22.29	-21.48	-500.72	-2993.54	-644.37	-
2849.89-580.92										
313	3.07	64.05	-5.20	0.14	58.70	-18.48	517.78	-1712.49	353.22	-
1547.93-583.03										
266 190 290	2.52	51.14	0.75	0.79	51.09	1.52	344.54	-1283.61	324.62	-
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291	2.62	29.43	12.28	14.46	27.26	-5.71	-528.63	-2063.98	-546.75	-
2045.86165.82										
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313	3.26	67.28	-3.23	-0.12	64.16	-14.49	479.81	-1809.54	310.22	-
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266 226 290	2.36	46.35	-1.62	-1.39	46.12	-3.31	335.62	-1188.33	323.13	-
1175.85137.36										
291	2.33	31.78	6.87	12.96	25.69	-10.71	-493.64	-1804.20	-508.00	-
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314	3.58	38.79	-7.61	7.98	23.20	-21.91	-544.96	-3044.46	-683.93	-
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313	3.14	65.69	-4.97	0.05	60.67	-18.16	516.58	-1744.37	353.81	-
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267 15 291	5.92	25.84	-6.55	0.46	18.83	13.34	-1.49	-4768.90	-1093.08	-
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315	7.99	-14.39	-79.24	-25.20	-68.43	24.17	-1780.38	-6354.10	-2510.12	-
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314	6.01	36.34	-15.82	-1.48	22.01	23.29	-862.05	-5235.26	-1376.38	-
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267 101 291	6.47	29.92	-5.48	3.09	21.35	15.17	-51.53	-5240.86	-1185.79	-
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274 163 298 3.73 16.77 -0.22 16.50 0.06 -2.14 -1533.81 -3482.10 -1545.61 -
3470.30-151.18
299 3.55 17.44 3.08 17.38 3.14 -0.91 -1951.96 -3263.22 -1952.17 -
3263.01-16.77
322 4.96 20.38 0.13 20.00 0.52 -2.78 -2211.99 -4664.60 -2226.33 -
4650.26187.00
321 5.47 16.31 -1.61 14.80 -0.10 -4.98 -1771.76 -5050.17 -1785.36 -
5036.57210.71
274 164 298 3.54 17.03 0.81 16.65 1.20 -2.46 -1472.81 -3321.39 -1488.65 -
3305.56-170.35
299 3.40 17.33 3.99 17.20 4.12 -1.30 -1895.08 -3103.40 -1896.08 -
3102.40-34.72
322 4.80 20.27 0.91 19.71 1.46 -3.24 -2152.29 -4500.21 -2164.06 -
4488.44165.81

321	5.27	16.43	-0.86	14.56	1.01	-5.37	-1710.98	-4881.83	-1722.19	-4870.61188.25
274 190 298	4.12	16.20	-1.92	16.14	-1.86	-1.06	-1661.16	-3825.34	-1669.27	-3817.23-132.27
299	3.88	17.61	1.39	17.60	1.39	0.31	-2074.60	-3603.41	-2074.60	-3603.410.75
322	5.34	20.50	-1.27	20.41	-1.17	-1.46	-2340.65	-5008.44	-2356.90	-4992.19207.58
321	5.87	15.97	-2.76	15.16	-1.95	-3.80	-1901.88	-5400.71	-1917.43	-5385.16232.76
274 226 298	3.68	17.28	-0.59	16.85	-0.16	-2.74	-1519.16	-3433.89	-1534.37	-3418.67-169.99
299	3.50	17.44	2.58	17.28	2.74	-1.51	-1934.86	-3217.71	-1935.85	-3216.72-35.59
322	4.95	20.33	-0.41	19.73	0.20	-3.49	-2198.85	-4656.11	-2209.89	-4645.07164.34
321	5.45	16.49	-1.97	14.69	-0.16	-5.48	-1765.68	-5033.80	-1776.01	-5023.48183.41
275 15 299	7.03	-165.51	-185.53	-170.14	-180.90	-8.44	-2481.45	-4439.55	-4426.14	-2494.86-161.51
300	6.82	-170.32	-173.88	-172.93	-171.27	1.58	-2558.56	-4202.52	-4101.10	-2659.98-395.53
323	8.60	-179.81	-193.51	-193.23	-180.09	1.95	-3600.29	-5638.62	-4981.06	-4257.85-952.86
322	8.60	-187.79	-191.85	-188.80	-190.84	-1.75	-3980.90	-5422.55	-5421.10	-3982.35-45.67
275 79 299	7.52	-163.31	-193.19	-171.48	-185.02	-13.32	-3095.60	-4704.09	-4637.01	-3162.68-321.56
300	7.37	-172.03	-178.24	-174.37	-175.89	-3.01	-3096.15	-4569.74	-4316.65	-3349.23-555.78
323	9.26	-183.80	-194.95	-194.16	-184.59	-2.86	-3941.63	-6208.44	-5202.09	-4947.97-1126.26
322	9.12	-184.93	-199.59	-189.69	-194.83	-6.86	-4604.68	-5683.85	-5637.49	-4651.04-218.81
275 144 299	5.37	-106.89	-127.93	-112.03	-122.78	-9.04	-2466.18	-3401.46	-3347.19	-2520.45-218.66
300	5.26	-112.90	-117.61	-113.92	-116.59	-1.94	-2462.59	-3311.01	-3127.95	-2645.65-349.00
323	6.67	-122.11	-127.33	-126.71	-122.74	-1.70	-3068.44	-4586.39	-3756.04	-3898.79-755.61
322	6.57	-120.95	-132.51	-123.77	-129.69	-4.97	-3653.96	-4092.30	-4050.11	-3696.14-129.27
275 159 299	3.91	-45.95	-58.93	-46.98	-57.89	-3.51	-2499.97	-2645.39	-2562.75	-2582.61-72.03
300	3.85	-47.64	-54.34	-47.74	-54.24	0.80	-2422.85	-2648.63	-2430.31	-2641.17-40.36
323	5.19	-52.40	-59.06	-52.79	-58.68	1.55	-2787.68	-4066.48	-2884.26	-3969.90-337.90
322	5.14	-51.10	-63.20	-51.53	-62.76	-2.26	-3043.37	-3861.88	-3047.13	-3858.1255.32
275 164 299	3.40	17.28	4.13	17.17	4.25	-1.23	-1918.01	-3090.87	-1918.89	-3089.99-32.11
300	3.42	17.49	5.01	17.47	5.03	0.48	-1855.36	-3117.19	-1876.37	-3096.19161.44
323	4.81	20.65	2.24	20.51	2.38	1.59	-2159.30	-4501.63	-2159.84	-4501.08-35.79
322	4.77	20.58	1.05	20.12	1.50	-2.95	-2181.61	-4472.68	-2188.40	-4465.89124.49
275 182 299	3.83	17.11	0.73	16.11	1.73	-3.93	-2030.26	-3566.63	-2045.29	-3551.61-151.21
300	3.85	16.58	1.47	16.30	1.75	-2.05	-2005.70	-3576.40	-2006.87	-3575.2342.93
323	5.33	19.66	-0.89	19.59	-0.83	-1.14	-2278.83	-4989.81	-2288.98	-4979.66-165.59
322	5.26	20.86	-2.50	19.29	-0.93	-5.84	-2313.38	-4927.14	-2313.39	-4927.13-5.97
275 226 299	3.50	17.48	2.71	17.30	2.88	-1.60	-1957.79	-3205.23	-1958.66	-3204.36-32.85
300	3.51	17.66	3.43	17.66	3.43	0.28	-1894.14	-3226.05	-1913.56	-

3206.63159.66										
323	4.95	20.72	0.75	20.64	0.82	1.19	-2204.04	-4654.91	-2204.46	-
4654.49-32.37										
322	4.92	20.69	-0.30	20.16	0.23	-3.31	-2227.81	-4629.03	-2234.17	-
4622.66123.44										
276 15 300	6.78	-168.45	-174.85	-172.09	-171.21	3.17	-2579.64	-4161.37	-4053.97	-
2687.04-397.93										
301	6.35	-154.71	-177.89	-172.40	-160.19	9.85	-2570.98	-3781.62	-3210.38	-
3142.22-604.36										
324	8.62	-163.32	-199.90	-197.88	-165.34	8.36	-2944.66	-6044.40	-3870.75	-
5118.31-1418.80										
323	8.60	-176.80	-196.99	-193.41	-180.38	7.72	-3584.81	-5682.96	-4941.18	-
4326.58-1003.06										
276 79 300	7.33	-173.12	-176.03	-173.36	-175.79	-0.79	-3103.14	-4539.28	-4266.64	-
3375.79-563.23										
301	7.03	-162.30	-176.90	-173.78	-165.42	5.98	-2826.36	-4428.87	-3423.41	-
3831.82-774.80										
324	9.42	-169.91	-199.69	-199.08	-170.52	4.20	-3147.81	-6765.37	-4101.75	-
5811.43-1594.03										
323	9.27	-183.79	-195.61	-194.49	-184.91	3.47	-3919.55	-6271.21	-5171.89	-
5018.87-1173.34										
276 144 300	5.24	-113.17	-116.60	-113.23	-116.54	-0.45	-2464.77	-3291.47	-3091.07	-
2665.17-354.28										
301	5.05	-107.06	-116.21	-113.52	-109.76	4.17	-2186.18	-3283.19	-2479.24	-
2990.14-485.39										
324	6.85	-112.59	-131.14	-130.53	-113.20	3.31	-2419.49	-5071.07	-2967.94	-
4522.62-1073.99										
323	6.69	-121.74	-128.23	-127.00	-122.97	2.54	-3043.75	-4641.63	-3733.74	-
3951.65-791.48										
276 159 300	3.84	-47.14	-54.55	-47.40	-54.28	1.37	-2392.73	-2664.74	-2399.55	-
2657.92-42.52										
301	3.81	-44.91	-53.83	-47.54	-51.20	4.07	-1902.44	-2903.47	-1907.23	-
2898.68-69.10										
324	5.50	-49.59	-60.14	-56.64	-53.10	4.97	-2164.24	-4579.67	-2282.38	-
4461.53-520.97										
323	5.22	-51.43	-60.54	-53.14	-58.83	3.56	-2751.39	-4126.93	-2861.76	-
4016.56-373.68										
276 164 300	3.42	17.60	4.89	17.58	4.92	0.55	-1830.05	-3129.61	-1849.81	-
3109.84159.05										
301	3.54	17.66	3.75	17.52	3.89	1.38	-1447.26	-3296.93	-1477.24	-
3266.95233.56										
324	5.24	17.52	2.49	16.45	3.56	3.85	-1748.51	-4864.82	-1750.82	-
4862.52-84.77										
323	4.85	20.16	2.11	19.99	2.28	1.74	-2141.58	-4545.00	-2143.59	-
4543.00-69.40										
276 186 300	3.85	16.53	1.66	16.53	1.66	-0.20	-1961.15	-3586.14	-1963.85	-
3583.4466.14										
301	4.03	16.37	6.68e-03	16.35	0.03	0.59	-1583.57	-3754.64	-1592.36	-
3745.85137.87										
324	5.80	15.65	-0.82	15.15	-0.32	2.81	-1862.87	-5352.30	-1872.45	-
5342.73-182.57										
323	5.37	18.84	-1.01	18.81	-0.98	0.74	-2254.38	-5027.72	-2264.14	-
5017.96-164.24										
276 226 300	3.52	17.83	3.31	17.83	3.32	0.20	-1868.91	-3238.41	-1887.22	-
3220.11157.26										
301	3.63	18.00	1.92	17.91	2.01	1.19	-1486.29	-3397.73	-1514.18	-
3369.84229.21										
324	5.40	17.55	0.95	16.82	1.68	3.39	-1796.79	-5008.89	-1798.78	-
5006.89-79.97										
323	5.00	20.24	0.64	20.16	0.72	1.24	-2186.92	-4697.91	-2188.64	-
4696.18-65.73										
277 15 301	6.32	-152.56	-177.44	-169.96	-160.04	11.41	-2556.33	-3777.37	-3153.56	-
3180.14-610.37										
302	6.14	-135.77	-174.74	-167.62	-142.89	15.06	-1924.85	-4054.15	-2391.51	-
3587.49-880.85										
325	8.54	-141.30	-201.05	-199.93	-142.42	8.11	-2321.12	-6338.98	-2796.41	-
5863.69-1297.59										
324	8.61	-160.54	-203.22	-198.32	-165.44	13.61	-2882.43	-6096.01	-3799.50	-
5178.93-1451.23										

277	79	301	7.02	-159.93	-176.04	-170.82	-165.15	7.54	-2802.44	-4458.96	-3387.43	-3873.97-791.73
		302	6.95	-143.97	-173.49	-168.62	-148.85	10.96	-2099.80	-4795.33	-2623.36	-4271.77-1066.38
		325	9.42	-148.24	-201.76	-201.51	-148.49	3.64	-2496.98	-7092.63	-3039.43	-6550.19-1482.78
		324	9.43	-167.90	-202.49	-199.73	-170.67	9.37	-3088.34	-6831.45	-4044.73	-5875.06-1632.54
277	144	301	5.05	-105.26	-115.83	-111.48	-109.61	5.20	-2162.32	-3309.39	-2450.19	-3021.52-497.34
		302	5.03	-94.98	-113.76	-109.96	-98.77	7.54	-1617.68	-3582.85	-1901.64	-3298.89-690.94
		325	6.91	-98.09	-132.93	-132.73	-98.29	2.65	-1910.88	-5349.44	-2212.36	-5047.95-972.52
		324	6.87	-111.03	-133.42	-131.14	-113.31	6.77	-2371.24	-5122.84	-2924.12	-4569.96-1102.55
277	162	301	3.71	17.81	2.50	17.80	2.51	0.44	-1473.28	-3463.70	-1491.26	-3445.72188.31
		302	3.85	18.21	2.07	18.17	2.12	0.84	-1191.95	-3539.95	-1196.99	-3534.91108.60
		325	5.78	11.82	3.89	11.76	3.95	0.67	-1447.96	-5262.85	-1449.59	-5261.2178.88
		324	5.45	15.46	1.67	14.79	2.34	2.96	-1755.25	-5060.62	-1761.78	-5054.10-146.72
277	164	301	3.56	18.11	3.53	17.99	3.65	1.30	-1411.49	-3319.33	-1439.28	-3291.53228.61
		302	3.68	18.60	3.24	18.39	3.44	1.76	-1135.48	-3392.84	-1145.47	-3382.85149.83
		325	5.64	12.50	4.91	12.11	5.30	1.67	-1391.71	-5112.54	-1395.59	-5108.66120.03
		324	5.30	16.29	2.31	15.10	3.50	3.90	-1703.74	-4902.95	-1707.28	-4899.40-106.43
277	186	301	4.06	17.10	-0.16	17.09	-0.15	0.48	-1549.28	-3778.28	-1556.45	-3771.10126.27
		302	4.24	17.41	-0.98	17.39	-0.95	0.67	-1260.53	-3858.69	-1261.34	-3857.8845.86
		325	6.15	10.45	0.75	10.44	0.77	0.34	-1513.28	-5584.19	-1513.35	-5584.1217.65
		324	5.86	14.10	-0.99	13.54	-0.43	2.84	-1814.38	-5391.47	-1826.42	-5379.43-207.23
277	226	301	3.65	18.49	1.72	18.43	1.77	0.97	-1450.56	-3420.21	-1476.42	-3394.35224.21
		302	3.80	19.13	1.19	18.99	1.33	1.58	-1172.82	-3483.95	-1181.41	-3475.36140.64
		325	5.75	12.90	3.02	12.74	3.18	1.22	-1442.05	-5243.87	-1445.97	-5239.96121.95
		324	5.45	16.27	0.85	15.50	1.62	3.36	-1752.50	-5046.74	-1755.64	-5043.61-101.53
278	15	302	6.12	-133.24	-173.93	-165.25	-141.92	16.67	-1895.48	-4076.87	-2369.75	-3602.60-899.80
		303	6.00	-111.83	-167.63	-161.60	-117.85	17.32	-1608.24	-4264.52	-2248.31	-3624.44-1136.01
		326	8.00	-114.09	-188.42	-188.37	-114.14	1.88	-2341.57	-6119.67	-2540.64	-5920.60-844.09
		325	8.52	-139.12	-200.81	-198.11	-141.83	12.63	-2301.99	-6361.71	-2772.09	-5891.60-1299.04
278	79	302	6.93	-141.83	-171.91	-165.93	-147.80	12.00	-2028.06	-4810.65	-2560.17	-4278.54-1094.30
		303	6.85	-120.87	-166.05	-162.42	-124.49	12.28	-1730.96	-5004.55	-2437.76	-4297.74-1346.93
		326	8.89	-120.80	-190.28	-190.10	-120.97	-3.49	-2501.93	-6874.99	-2774.22	-6602.70-1056.70
		325	9.41	-146.80	-200.79	-199.68	-147.90	7.63	-2462.93	-7120.25	-3006.77	-6576.41-1495.68
278	144	302	5.02	-93.48	-112.76	-108.16	-98.08	8.22	-1566.45	-3595.91	-1857.85	-3304.51-711.67
		303	4.94	-79.43	-108.44	-105.72	-82.15	8.45	-1373.42	-3715.29	-1795.83	-3292.89-900.44
		326	6.54	-79.56	-124.87	-124.73	-79.70	-2.54	-1923.93	-5189.65	-2058.64	-

5054.94-649.44
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278 162 302 3.86 18.36 2.08 18.33 2.10 0.64 -1171.91 -3544.80 -1175.39 -
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303 3.63 19.06 4.84 19.01 4.90 0.90 -1319.87 -3359.66 -1321.98 -
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326 5.57 15.43 4.79 14.64 5.58 -2.79 -1582.10 -5088.67 -1620.60 -
5050.17365.43
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278 186 302 4.26 17.58 -0.96 17.58 -0.96 0.22 -1214.17 -3859.62 -1214.40 -
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303 3.98 18.20 1.52 18.20 1.52 0.24 -1351.69 -3682.23 -1359.92 -
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326 5.87 14.24 1.03 13.19 2.08 -3.57 -1651.57 -5393.25 -1674.85 -
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325 6.18 10.18 0.70 10.17 0.71 -0.26 -1492.36 -5597.72 -1492.37 -
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278 226 302 3.81 19.25 1.21 19.15 1.31 1.34 -1162.49 -3490.24 -1169.19 -
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279 15 303 5.97 -108.75 -164.80 -156.93 -116.61 19.46 -1616.47 -4278.97 -2284.72 -
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304 5.77 -87.42 -154.75 -149.90 -92.27 17.41 -1774.32 -4189.43 -2731.19 -
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5311.97-510.23
326 7.95 -112.57 -186.80 -186.37 -113.01 5.67 -2373.04 -6094.71 -2582.24 -
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304 3.30 20.25 9.99 19.73 10.51 2.24 -1835.33 -2922.01 -1856.27 -
2901.06-149.41
327 4.93 23.06 7.31 22.67 7.70 -2.45 -2043.28 -4537.96 -2144.15 -
4437.10491.38
326 5.53 15.97 4.66 15.07 5.55 -3.05 -1609.75 -5058.90 -1645.43 -
5023.22348.99
279 164 303 3.48 19.53 6.22 19.22 6.52 2.00 -1308.30 -3197.55 -1308.98 -
3196.87-35.98

304	3.17	21.33	10.77	20.03	12.07	3.47	-1802.86	-2758.95	-1813.65	-2748.16-101.01
327	4.81	23.17	9.18	23.07	9.28	-1.19	-1972.60	-4410.76	-2099.55	-4283.81541.67
326	5.40	15.83	6.69	15.45	7.07	-1.83	-1553.44	-4921.06	-1601.29	-4873.22398.54
279 186 303	3.96	17.84	1.60	17.84	1.60	0.04	-1375.19	-3673.44	-1386.02	-3662.60-157.44
304	3.58	18.75	6.75	18.60	6.90	1.35	-1854.55	-3260.95	-1891.41	-3224.10-224.66
327	5.19	21.83	3.37	21.18	4.02	-3.41	-2117.20	-4825.73	-2182.33	-4760.60414.93
326	5.83	14.80	0.87	13.62	2.05	-3.88	-1663.03	-5360.24	-1683.43	-5339.84273.90
279 226 303	3.53	20.19	4.22	20.02	4.39	1.64	-1339.47	-3278.38	-1340.85	-3277.00-51.71
304	3.22	21.79	9.17	20.82	10.13	3.35	-1821.13	-2829.93	-1836.40	-2814.66-123.17
327	4.88	24.11	7.02	24.00	7.13	-1.35	-2016.48	-4501.41	-2135.91	-4381.98531.53
326	5.49	16.75	4.41	16.32	4.85	-2.28	-1602.57	-5035.00	-1648.52	-4989.05394.47
280 15 304	5.72	-84.57	-150.40	-144.14	-90.83	19.31	-1796.19	-4198.29	-2783.65	-3210.83-1181.91
305	5.46	-66.15	-138.35	-133.82	-70.68	17.50	-1886.08	-3934.90	-3162.14	-2658.84-993.02
328	6.35	-69.33	-136.21	-135.01	-70.53	-8.88	-3210.12	-4615.18	-3309.74	-4515.56-360.61
327	7.12	-88.16	-161.87	-161.84	-88.19	-1.49	-2877.49	-5404.71	-3001.78	-5280.42-546.51
280 79 304	6.49	-93.82	-150.25	-146.08	-97.99	14.78	-1935.90	-4899.65	-2943.35	-3892.20-1403.88
305	6.08	-75.49	-138.65	-135.85	-78.29	12.98	-2123.35	-4539.89	-3321.18	-3342.06-1208.23
328	7.10	-75.15	-140.03	-137.06	-78.12	-13.57	-3279.78	-5370.29	-3454.59	-5195.47-578.69
327	7.93	-94.78	-164.34	-163.79	-95.34	-6.20	-2949.92	-6156.36	-3147.73	-5958.55-771.46
280 144 304	4.66	-60.58	-97.82	-94.70	-63.70	10.32	-1563.11	-3605.44	-2209.42	-2959.13-949.87
305	4.35	-47.51	-90.11	-87.87	-49.76	9.52	-1705.16	-3326.15	-2511.50	-2519.81-810.48
328	5.17	-48.60	-89.20	-87.36	-50.44	-8.45	-2560.26	-4014.26	-2632.17	-3942.35-315.26
327	5.81	-61.91	-106.46	-106.05	-62.33	-4.29	-2294.66	-4629.40	-2383.16	-4540.89-445.88
280 158 304	3.30	30.45	19.30	29.58	20.17	2.98	-1865.64	-2761.31	-1878.58	-2748.37-106.89
305	3.14	34.19	21.45	29.54	26.10	6.13	-2182.08	-2277.02	-2255.79	-2203.31-39.56
328	4.39	40.67	18.52	39.41	19.78	5.12	-2287.12	-3828.43	-2496.19	-3619.36527.76
327	4.91	33.39	16.97	33.28	17.08	-1.35	-2045.97	-4409.91	-2162.39	-4293.49511.52
280 164 304	3.17	21.46	10.88	20.12	12.22	3.52	-1841.59	-2744.76	-1853.88	-2732.47-104.65
305	2.99	25.77	12.72	20.23	18.27	6.45	-2166.31	-2252.28	-2230.33	-2188.25-37.49
328	4.25	31.21	11.22	30.13	12.31	4.52	-2258.22	-3800.39	-2468.33	-3590.28529.03
327	4.78	23.68	9.15	23.58	9.25	-1.19	-2017.84	-4381.20	-2135.09	-4263.95513.19
280 186 304	3.57	18.65	6.58	18.26	6.96	2.12	-1869.48	-3244.03	-1909.52	-3203.98-231.17
305	3.26	21.19	9.62	18.27	12.54	5.03	-2218.32	-2670.49	-2284.98	-2603.82-160.31
328	4.51	28.45	6.18	28.06	6.57	2.92	-2410.99	-4107.58	-2514.73	-4003.84406.49
327	5.15	22.04	3.55	21.61	3.98	-2.77	-2125.32	-4790.61	-2182.71	-4733.21386.89

280 226 304	3.22	21.88	9.37	20.96	10.29	3.26	-1859.48	-2816.09	-1876.63	-
2798.94-126.94										
305	3.03	25.66	11.96	20.99	16.63	6.50	-2174.48	-2304.06	-2238.47	-
2240.06-64.79										
328	4.30	32.03	9.45	31.04	10.45	4.64	-2294.07	-3860.54	-2486.48	-
3668.13514.18										
327	4.85	24.67	6.98	24.55	7.10	-1.44	-2061.43	-4472.12	-2171.43	-
4362.12503.07										
281 15 305	5.39	-63.37	-132.53	-126.59	-69.32	19.38	-1895.63	-3949.98	-3195.56	-
2650.05-990.30										
306	4.72	-49.02	-120.60	-115.29	-54.33	18.75	-1656.47	-3359.36	-2927.27	-
2088.57-741.01										
329	5.40	-56.74	-107.74	-107.05	-57.43	-5.89	-2971.60	-3844.27	-3065.81	-
3750.06-270.81										
328	6.35	-70.16	-132.51	-132.22	-70.45	-4.25	-3223.46	-4634.75	-3343.76	-
4514.44-394.09										
281 79 305	5.96	-71.76	-133.80	-128.63	-76.92	17.15	-2122.29	-4522.44	-3319.07	-
3325.66-1200.07										
306	5.15	-57.45	-121.75	-117.33	-61.88	16.28	-1921.13	-3819.65	-3038.34	-
2702.44-934.29										
329	6.00	-63.61	-111.28	-109.79	-65.11	-8.31	-3004.71	-4499.05	-3147.96	-
4355.79-439.94										
328	7.03	-77.47	-135.68	-134.96	-78.19	-6.42	-3262.05	-5357.07	-3437.16	-
5181.95-579.83										
281 144 305	4.28	-44.87	-86.99	-83.02	-48.84	12.31	-1705.81	-3315.79	-2513.53	-
2508.07-804.99										
306	3.68	-34.47	-79.42	-75.85	-38.04	12.16	-1532.65	-2791.52	-2301.34	-
2022.83-613.84										
329	4.36	-40.65	-69.50	-69.04	-41.12	-3.64	-2350.19	-3350.53	-2405.40	-
3295.32-228.42										
328	5.14	-50.13	-86.30	-85.92	-50.51	-3.67	-2550.16	-4007.34	-2623.78	-
3933.72-319.16										
281 158 305	3.15	34.04	21.26	29.27	26.03	6.18	-2181.81	-2297.10	-2281.66	-
2197.25-39.27										
306	2.75	39.03	19.05	26.13	31.95	9.56	-1662.78	-2102.73	-2092.72	-
1672.7965.60										
329	3.79	49.20	14.96	39.52	24.64	15.42	-2064.85	-3225.97	-2327.52	-
2963.30485.80										
328	4.39	40.60	18.43	39.49	19.53	4.83	-2324.59	-3818.24	-2520.53	-
3622.30504.25										
281 164 305	3.01	26.12	12.69	20.49	18.31	6.63	-2166.83	-2271.50	-2256.11	-
2182.22-37.06										
306	2.61	31.18	10.64	17.75	24.07	9.77	-1648.10	-2079.25	-2068.36	-
1658.9967.65										
329	3.65	40.04	8.25	31.17	17.12	14.26	-2037.26	-3199.36	-2300.66	-
2935.95486.54										
328	4.25	31.48	11.01	30.39	12.10	4.59	-2295.64	-3790.06	-2492.56	-
3593.13505.48										
281 188 305	3.37	21.54	12.35	19.79	14.10	3.61	-2283.94	-2750.77	-2383.25	-
2651.46-191.05										
306	2.90	25.36	11.79	17.09	20.06	6.62	-2048.33	-2227.65	-2187.71	-
2088.27-74.61										
329	3.95	35.68	7.50	30.14	13.05	11.21	-2278.87	-3479.07	-2398.36	-
3359.58359.35										
328	4.58	29.46	7.70	29.33	7.83	1.68	-2510.51	-4143.65	-2597.38	-
4056.78366.50										
281 228 305	3.06	25.60	11.99	20.39	17.21	6.62	-2187.44	-2346.66	-2299.81	-
2234.30-72.56										
306	2.64	30.88	9.96	17.43	23.41	10.02	-1695.88	-2097.25	-2094.91	-
1698.2230.55										
329	3.69	40.27	7.15	31.05	16.37	14.84	-2095.74	-3230.97	-2330.97	-
2995.73460.12										
328	4.30	31.72	9.62	30.59	10.75	4.86	-2368.26	-3848.82	-2545.13	-
3671.94480.20										
282 15 306	4.61	-44.72	-113.42	-105.90	-52.24	21.45	-1641.92	-3367.78	-2934.99	-
2074.71-748.09										
307	3.19	-33.42	-104.25	-99.31	-38.36	18.04	-1078.44	-2189.95	-1683.58	-
1584.81-553.55										
330	3.85	-39.95	-86.41	-85.89	-40.47	4.92	-1779.19	-2939.55	-1833.44	-

2885.30-244.96										
329	5.43	-58.92	-104.37	-104.31	-58.98	-1.68	-3005.16	-3890.72	-3119.21	-
3776.67-296.63										
282 79 306	4.99	-52.30	-115.86	-108.29	-59.87	20.59	-1894.93	-3786.35	-3002.47	-
2678.81-931.76										
307	3.49	-35.18	-104.73	-100.44	-39.47	16.73	-1132.64	-2590.95	-1726.56	-
1997.02-716.50										
330	4.24	-40.93	-89.74	-88.75	-41.93	6.90	-1824.61	-3361.83	-1899.26	-
3287.19-330.41										
329	5.98	-66.92	-108.43	-108.41	-66.93	0.84	-3051.38	-4493.50	-3174.46	-
4370.42-402.91										
282 144 306	3.58	-30.74	-75.60	-69.72	-36.63	15.15	-1513.81	-2769.62	-2277.91	-
2005.52-612.96										
307	2.45	-18.93	-69.03	-65.75	-22.21	12.39	-921.43	-1865.98	-1294.55	-
1492.87-461.75										
330	3.06	-22.21	-58.19	-56.21	-24.19	8.20	-1416.15	-2508.68	-1442.50	-
2482.33-167.61										
329	4.36	-42.27	-68.38	-68.15	-42.50	2.42	-2382.67	-3353.90	-2428.51	-
3308.06-205.96										
282 158 306	2.75	40.08	18.60	26.30	32.39	10.30	-1653.03	-2104.26	-2096.29	-
1661.0059.44										
307	1.86	41.96	12.89	16.04	38.81	9.03	-1027.13	-1293.31	-1096.39	-
1224.04116.79										
330	2.82	61.47	3.71	29.10	36.08	28.67	-1191.79	-2357.97	-1345.32	-
2204.44394.30										
329	3.81	47.98	14.51	39.07	23.42	14.79	-2115.73	-3238.83	-2368.67	-
2985.89469.14										
282 164 306	2.62	32.65	10.53	18.56	24.62	10.63	-1638.58	-2080.74	-2071.98	-
1647.3461.62										
307	1.73	34.17	5.60	9.03	30.75	9.28	-1006.64	-1281.06	-1076.27	-
1211.42119.41										
330	2.70	52.38	-2.03	22.15	28.20	27.04	-1168.49	-2335.51	-1322.49	-
2181.51394.97										
329	3.67	39.33	7.54	30.96	15.92	14.01	-2087.96	-3211.95	-2341.58	-
2958.34469.83										
282 188 306	2.89	27.86	10.39	17.69	20.57	8.61	-2027.63	-2200.24	-2157.46	-
2070.42-74.53										
307	2.02	32.72	6.81	8.92	30.61	7.08	-1144.96	-1504.47	-1145.01	-
1504.41-4.61										
330	2.98	51.58	-2.44	21.24	27.90	26.80	-1320.99	-2557.59	-1411.89	-
2466.69322.70										
329	3.95	37.05	3.95	29.29	11.71	14.02	-2286.31	-3510.41	-2423.07	-
3373.65385.63										
282 228 306	2.65	32.21	9.95	18.20	23.97	10.75	-1684.97	-2099.97	-2098.53	-
1686.4124.41										
307	1.75	34.00	4.92	8.40	30.53	9.44	-1042.39	-1273.31	-1079.03	-
1236.6884.36										
330	2.73	52.71	-2.90	21.59	28.21	27.61	-1189.57	-2353.55	-1322.63	-
2220.50370.37										
329	3.71	39.47	6.51	30.81	15.17	14.50	-2146.52	-3243.74	-2372.15	-
3018.12443.46										
283 7 307	2.69	70.12	33.98	38.70	65.41	12.17	-1384.55	-1715.02	-1460.24	-
1639.33138.87										
308	3.14	75.46	15.66	16.25	74.86	5.93	998.10	-1205.87	983.93	-
1191.70176.14										
331	4.02	109.20	-5.43	6.43	97.33	34.92	739.86	-1817.90	703.53	-
1781.56302.69										
330	3.84	89.02	2.07	32.65	58.44	41.52	-1590.65	-3122.72	-1801.74	-
2911.63528.06										
283 73 307	3.11	56.11	26.39	28.79	53.70	8.10	-1282.69	-2282.90	-1295.34	-
2270.25-111.77										
308	3.57	74.83	10.57	10.58	74.82	-0.63	1202.51	-1352.63	1200.46	-
1350.59-72.25										
331	4.49	104.02	-14.91	-6.67	95.78	30.20	953.62	-1949.29	933.56	-
1929.23240.49										
330	4.29	74.31	-13.50	15.53	45.27	41.31	-1512.81	-3613.66	-1616.94	-
3509.53455.97										
283 141 307	2.30	42.18	19.03	21.19	40.03	6.73	-1000.57	-1680.88	-1005.94	-
1675.52-60.15										

	308	2.68	55.02	7.10	7.10	55.02	0.27	901.53	-1018.31	901.07	-
1017.85-29.76											
	331	3.37	77.73	-11.80	-5.36	71.29	23.14	712.71	-1478.28	696.04	-
1461.61190.36											
	330	3.20	55.87	-10.52	11.69	33.67	31.32	-1166.05	-2712.10	-1252.97	-
2625.18356.13											
283	162	307	1.83	35.59	10.47	14.65	31.41	9.36	-1029.71	-1323.25	-1049.98	-
1302.9874.43											
	308	2.31	40.33	-0.03	0.43	39.88	4.26	792.02	-911.21	785.54	-
904.74104.84											
	331	2.96	63.78	-14.67	-7.78	56.90	22.20	607.42	-1364.34	583.05	-
1339.97217.86											
	330	2.69	47.08	-12.60	8.78	25.70	28.61	-1156.79	-2365.89	-1293.61	-
2229.07383.02											
283	164	307	1.77	36.29	10.32	14.94	31.67	9.93	-1010.99	-1272.01	-1067.82	-
1215.17107.73											
	308	2.24	39.24	-0.35	0.34	38.55	5.18	767.24	-892.45	755.69	-
880.89138.00											
	331	2.88	63.01	-14.10	-6.85	55.76	22.51	579.28	-1342.72	552.50	-
1315.94225.28											
	330	2.61	47.57	-11.42	10.02	26.13	28.37	-1157.16	-2296.66	-1312.61	-
2141.21391.11											
283	186	307	1.99	34.70	9.41	13.72	30.40	9.51	-981.56	-1499.25	-983.22	-
1497.5829.34											
	308	2.50	42.32	0.11	0.31	42.12	2.88	877.37	-970.91	875.77	-
969.3154.42											
	331	3.17	65.06	-18.55	-12.14	58.65	22.25	680.82	-1430.00	658.61	-
1407.78215.41											
	330	2.87	45.96	-18.38	3.71	23.86	30.55	-1126.31	-2540.35	-1240.76	-
2425.90385.66											
283	224	307	1.77	35.67	10.51	15.32	30.86	9.89	-1012.51	-1264.44	-1039.20	-
1237.7577.53											
	308	2.30	39.00	-0.30	0.32	38.37	4.92	819.52	-894.38	811.94	-
886.80113.73											
	331	2.95	63.10	-14.18	-7.08	56.00	22.33	637.74	-1355.55	614.29	-
1332.10214.92											
	330	2.63	47.21	-12.04	9.48	25.69	28.49	-1146.25	-2309.79	-1279.68	-
2176.36370.74											
284	7	308	3.01	77.20	22.48	24.52	75.16	10.36	831.85	-1292.01	812.27	-
1272.43202.97											
	309	3.22	63.84	11.26	11.40	63.71	2.70	988.53	-1359.85	984.87	-
1356.1892.75											
	332	3.35	63.17	15.06	15.11	63.12	1.56	1053.53	-1469.41	1014.16	-
1430.04312.69											
	331	4.16	92.05	-13.27	-12.77	91.55	7.23	624.65	-1903.26	604.54	-
1883.14224.59											
284	73	308	3.48	85.90	4.66	16.06	74.50	28.22	950.46	-1448.43	950.35	-
1448.31-16.77											
	309	3.58	72.42	-1.38	4.93	66.11	20.63	1150.75	-1388.62	1146.59	-
1384.46-102.69											
	332	3.65	69.54	1.80	6.47	64.88	17.16	1253.64	-1474.14	1240.66	-
1461.17187.65											
	331	4.62	95.35	-28.57	-23.82	90.59	23.80	804.37	-2039.04	802.48	-
2037.1473.37											
284	141	308	2.59	62.68	4.05	11.87	54.86	19.94	717.18	-1091.20	717.13	-
1091.14 9.86											
	309	2.68	52.46	-0.63	3.49	48.33	14.21	864.91	-1059.90	863.10	-
1058.09-58.94											
	332	2.74	50.00	2.21	4.87	47.34	10.95	941.10	-1128.49	929.24	-
1116.63156.24											
	331	3.47	70.19	-21.66	-18.74	67.26	16.12	598.87	-1546.71	596.53	-
1544.3770.80											
284	162	308	2.17	43.48	5.00	8.33	40.16	10.81	655.89	-978.42	645.72	-
968.24128.54											
	309	2.33	34.44	0.22	1.20	33.46	5.72	764.89	-1020.57	763.73	-
1019.4145.48											
	332	2.43	32.21	3.47	3.53	32.15	-1.26	822.74	-1100.39	797.80	-
1075.45217.58											
	331	3.06	52.97	-22.41	-22.16	52.71	4.37	499.73	-1432.69	488.80	-

1421.76144.93											
284	164	308	2.11	41.13	6.54	8.75	38.92	8.46	642.44	-957.74	626.71	-
942.02157.83												
		309	2.27	32.32	1.19	1.57	31.94	3.42	743.22	-1016.28	740.32	-
1013.3871.43												
		332	2.39	31.17	3.66	4.16	30.67	-3.67	795.23	-1098.15	765.98	-
1068.90233.50												
		331	2.99	51.55	-21.53	-21.48	51.50	1.90	475.96	-1411.45	461.57	-
1397.06164.18												
284	186	308	2.34	48.83	0.67	7.26	42.23	16.55	682.54	-1047.39	678.64	-
1043.4982.07												
		309	2.46	39.91	-2.72	0.30	36.90	10.93	804.94	-1044.35	804.91	-
1044.31 7.82												
		332	2.56	35.25	0.35	0.88	34.72	4.27	889.31	-1120.43	868.79	-
1099.92202.00												
		331	3.25	56.09	-26.31	-24.97	54.74	10.45	556.01	-1499.57	548.98	-
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284	228	308	2.16	41.82	5.37	8.04	39.15	9.50	671.76	-961.52	661.18	-
950.95131.02												
		309	2.29	32.72	0.20	0.71	32.20	4.06	731.97	-1025.45	730.40	-
1023.8852.53												
		332	2.41	31.98	3.01	3.35	31.64	-3.13	785.41	-1106.31	759.36	-
1080.27220.43												
		331	3.06	52.36	-22.66	-22.54	52.24	3.05	514.83	-1423.88	503.34	-
1412.38148.83												
285	7	309	3.20	63.50	12.38	12.40	63.49	0.91	1022.94	-1325.12	1021.81	-
1323.9951.56												
		310	2.65	62.95	5.70	5.71	62.93	-0.85	813.06	-959.15	805.53	-
951.62-115.28												
		333	2.66	61.67	4.00	5.80	59.88	10.01	885.71	-1052.73	784.33	-
951.34431.57												
		332	3.40	63.77	8.15	8.41	63.50	3.84	1011.11	-1499.33	955.08	-
1443.29370.84												
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1344.97-52.51												
		310	2.84	72.04	6.00	6.05	71.99	1.70	903.37	-956.72	876.98	-
930.33-219.99												
		333	2.82	71.38	2.43	5.07	68.73	13.25	917.07	-1031.09	857.68	-
971.70334.93												
		332	3.54	71.28	6.43	7.29	70.42	7.45	1054.05	-1492.78	1024.00	-
1462.73275.01												
285	139	309	2.56	51.54	8.61	8.80	51.34	2.88	828.94	-1029.02	828.47	-
1028.54-29.61												
		310	2.14	52.85	4.28	4.31	52.83	1.15	682.82	-732.72	664.87	-
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		333	2.13	52.15	1.78	3.65	50.27	9.53	699.47	-791.71	649.99	-
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1118.89220.40												
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999.2838.44												
		310	1.92	41.44	3.04	3.04	41.44	-0.25	609.48	-723.82	603.46	-
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717.17326.73												
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708.27328.46												
		332	2.40	31.08	1.00	1.03	31.05	-0.97	762.68	-1120.03	720.70	-
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289 15 314	6.32	71.52	-34.88	9.63	27.01	52.48	-962.93	-5210.70	-1401.50	-
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315	8.29	7.57	-105.02	-32.17	-65.29	53.81	-1832.26	-6320.48	-2503.06	-
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338	6.54	28.81	-135.10	-48.66	-57.63	81.83	-33.29	-3649.74	-1231.51	-
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338	7.05	30.40	-148.63	-53.08	-65.15	89.31	450.84	-3619.13	-889.26	-
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315	6.12	9.48	-77.55	-20.94	-47.13	41.50	-1149.07	-4604.14	-1593.44	-
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		316	4.48	20.39	6.16	19.52	7.03	-3.41	-2106.27	-4138.49	-2127.77	-4116.99-207.94
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		317	8.55	-88.02	-140.82	-98.17	-130.67	20.81	-2854.67	-6427.77	-3849.99	-5432.461601.78
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		340	5.20	-43.56	-122.10	-91.82	-73.83	38.23	-627.44	-3273.27	-2377.16	-1523.551252.17
		339	5.47	-8.99	-128.89	-75.82	-62.06	59.55	-293.85	-3150.04	-1809.48	-1634.401425.41
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		339	3.07	-2.51	-52.46	-30.06	-24.90	24.84	-1125.43	-2265.64	-1760.27	-1630.81566.42
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		339	2.14	14.58	-2.92	9.94	1.72	-7.73	-1382.79	-1920.27	-1548.00	-1755.06-248.00
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343	2.75	13.09	-1.87	12.70	-1.49	-2.38	-54.80	-2182.86	-58.26	-2179.4085.75
342	2.85	13.00	-1.48	12.41	-0.88	-2.88	-186.40	-2327.98	-416.49	-2097.88-663.19
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320	5.99	10.29	-8.13	7.39	-5.22	-6.71	-1322.41	-5322.20	-1326.91	-5317.70-134.01
343	2.97	14.35	-10.35	11.32	-7.33	-8.10	39.80	-2243.01	39.80	-2243.00-3.20
342	3.21	14.85	-10.20	11.08	-6.43	-8.96	-48.52	-2442.96	-320.35	-2171.13-759.59
294 226 319	5.79	13.60	-2.13	11.72	-0.26	-5.09	-1507.52	-5248.84	-1527.03	-5229.33-269.48
320	5.97	10.11	-0.71	10.02	-0.61	-1.00	-1440.81	-5396.88	-1441.31	-5396.37-44.78
343	2.94	13.14	-2.90	12.86	-2.62	-2.09	-130.54	-2366.37	-132.96	-2363.9473.57
342	3.02	13.34	-2.74	12.95	-2.35	-2.47	-275.69	-2501.92	-501.44	-2276.17-672.02
295 15 320	8.81	-170.37	-184.06	-170.54	-183.90	1.49	-3401.78	-6046.57	-4159.35	-5289.001195.70
321	8.64	-185.43	-192.29	-186.60	-191.11	2.59	-3828.59	-5540.49	-4772.47	-4596.60851.42
344	8.75	-182.58	-233.85	-231.89	-184.54	9.83	-226.75	-5314.53	-4692.56	-848.721666.61
343	7.57	-175.15	-238.16	-226.53	-186.78	24.44	-331.78	-4243.34	-3182.68	-1392.431738.92
295 101 320	8.83	-162.67	-177.77	-166.63	-173.80	6.64	-3377.52	-6139.14	-4304.40	-5212.261304.06
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343	7.84	-162.79	-237.75	-223.66	-176.89	29.29	-229.74	-4430.27	-3343.42	-1316.581839.59
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321	6.32	-115.51	-125.82	-120.08	-121.26	5.12	-2922.68	-4265.84	-3510.72	-3677.81666.37
344	6.20	-114.73	-153.45	-151.04	-117.14	9.36	-258.51	-3884.28	-3365.11	-777.681269.98
343	5.28	-108.59	-156.96	-147.44	-118.12	19.23	-346.90	-3059.55	-2240.79	-1165.651245.25
295 159 320	5.84	-50.89	-60.80	-50.89	-60.80	-0.03	-2113.52	-4796.48	-2175.76	-4734.24403.87
321	5.51	-53.96	-63.54	-54.29	-63.21	1.75	-2465.34	-4416.22	-2548.70	-4332.86394.56
344	3.78	-60.87	-70.44	-69.76	-61.56	2.47	-729.30	-2736.83	-2085.25	-1380.89939.95
343	3.13	-58.36	-73.15	-68.43	-63.07	6.89	-679.54	-2119.53	-1111.24	-1687.84659.76
295 164 320	5.79	10.61	0.79	10.52	0.88	-0.94	-1392.87	-5243.38	-1392.89	-5243.369.35
321	5.37	14.14	0.68	13.96	0.87	1.57	-1678.67	-4954.05	-1690.37	-4942.34195.45
344	2.53	13.46	-0.23	13.31	-0.08	-1.42	-580.43	-2276.70	-919.52	-1937.62678.38
343	2.71	12.84	-1.78	12.50	-1.44	-2.21	-79.23	-2169.07	-88.84	-2159.46141.38

295	185	320	5.98	9.46	-4.50	9.27	-4.31	1.63	-1341.12	-5327.11	-1345.83	-5322.40136.87
		321	5.58	13.77	-5.02	12.76	-4.01	4.24	-1616.08	-5057.14	-1641.39	-5031.82294.04
		344	2.82	12.48	-4.99	12.38	-4.89	1.33	-467.54	-2422.83	-859.49	-2030.89782.78
		343	2.95	11.55	-6.56	11.54	-6.55	0.43	-4.78	-2267.89	-30.67	-2241.99240.69
295	226	320	5.96	10.91	-0.61	10.82	-0.52	-1.02	-1456.46	-5388.68	-1456.47	-5388.674.73
		321	5.55	14.19	-0.57	14.06	-0.44	1.37	-1733.88	-5105.96	-1744.66	-5095.18190.33
		344	2.67	13.45	-1.28	13.31	-1.13	-1.46	-672.69	-2432.78	-978.13	-2127.34666.57
		343	2.91	13.05	-2.84	12.78	-2.56	-2.08	-155.47	-2351.63	-163.07	-2344.03128.99
296	15	321	8.61	-180.73	-191.56	-182.19	-190.10	3.70	-3765.50	-5577.75	-4829.18	-4514.07892.32
		322	8.48	-183.26	-192.23	-188.37	-187.12	-4.44	-3875.93	-5357.17	-5357.09	-3876.0110.66
		345	9.99	-174.83	-252.09	-251.88	-175.04	-3.99	-357.06	-6152.74	-6145.49	-364.31204.83
		344	9.17	-179.83	-249.27	-243.38	-185.72	19.35	-175.68	-5454.25	-4864.42	-765.511663.00
296	101	321	8.67	-171.70	-187.96	-178.58	-181.08	8.04	-3677.61	-5739.76	-4969.36	-4448.01997.58
		322	8.59	-180.12	-185.16	-185.16	-180.12	-0.11	-3972.98	-5517.20	-5509.11	-3981.06111.42
		345	10.12	-167.97	-248.37	-248.37	-167.97	-0.13	-467.86	-6310.76	-6308.87	-469.75104.83
		344	9.25	-168.97	-247.12	-239.47	-176.62	23.22	-195.93	-5520.56	-5016.23	-700.261559.17
296	155	321	6.29	-113.00	-124.71	-117.13	-120.58	5.59	-2882.72	-4276.78	-3542.37	-3617.13696.03
		322	6.18	-119.87	-120.80	-120.79	-119.87	0.08	-3236.02	-3972.39	-3959.87	-3248.5595.23
		345	6.98	-111.62	-163.65	-163.65	-111.62	-0.21	-525.26	-4477.76	-4474.09	-528.92120.30
		344	6.33	-112.57	-163.01	-157.84	-117.75	15.30	-314.20	-3885.12	-3481.65	-717.671130.47
296	159	321	5.46	-52.09	-63.26	-52.55	-62.79	2.23	-2482.26	-4377.50	-2584.97	-4274.79429.09
		322	5.08	-51.47	-61.55	-51.54	-61.48	-0.83	-2995.55	-3829.06	-3005.97	-3818.6492.59
		345	4.37	-56.66	-75.93	-75.76	-56.83	-1.84	-1001.90	-3224.76	-3188.25	-1038.40282.51
		344	3.94	-59.58	-75.77	-73.44	-61.91	5.68	-723.56	-2803.46	-2205.85	-1321.18941.19
296	164	321	5.31	14.66	0.79	14.44	1.01	1.75	-1704.07	-4905.36	-1721.02	-4888.41232.32
		322	4.76	19.93	1.50	19.85	1.57	1.14	-2142.76	-4469.43	-2153.42	-4458.77157.12
		345	2.55	14.54	2.60	14.48	2.67	-0.89	-1388.63	-2240.87	-2011.33	-1618.17378.07
		344	2.50	13.70	-0.14	13.56	-3.84e-04	-1.36	-652.06	-2260.38	-1031.24	-1881.20682.69
296	194	321	5.31	17.70	6.27	16.89	7.08	2.93	-1801.09	-4897.91	-1826.70	-4872.31280.43
		322	4.93	22.22	5.87	21.84	6.25	2.47	-2250.98	-4570.76	-2268.79	-4552.94202.52
		345	2.67	17.02	7.38	17.02	7.38	0.09	-1560.21	-2285.78	-2133.40	-1712.60295.54
		344	2.46	16.42	6.10	16.39	6.13	-0.51	-806.38	-2202.68	-1143.76	-1865.30597.71
296	226	321	5.49	14.66	-0.42	14.53	-0.28	1.43	-1759.11	-5057.34	-1774.83	-5041.62227.20
		322	4.92	19.87	0.15	19.84	0.18	0.77	-2189.42	-4626.23	-2199.40	-4616.24155.66
		345	2.65	14.56	1.30	14.44	1.42	-1.26	-1540.46	-2328.37	-2056.34	-1812.49374.61

344 2.64 13.82 -1.20 13.65 -1.03 -1.57 -748.56 -2411.52 -1088.85 -2071.24670.88
297 15 322 8.49 -183.02 -191.11 -187.42 -186.72 -4.03 -3846.22 -5393.97 -5393.95 -3846.23-4.55
323 8.65 -166.59 -201.13 -191.72 -176.00 -15.38 -3454.00 -5648.44 -4953.76 -4148.67-1020.71
346 10.05 -161.19 -259.27 -254.11 -166.35 -21.89 -50.94 -5983.86 -5481.98 -552.81-1650.97
345 10.09 -174.04 -255.88 -255.51 -174.40 5.47 -360.02 -6185.26 -6182.26 -363.02132.11
297 79 322 8.61 -172.09 -194.28 -185.87 -180.50 -10.76 -3944.88 -5522.51 -5499.41 -3967.98-189.50
323 8.80 -155.75 -203.86 -190.11 -169.49 -21.73 -3265.04 -5840.87 -5054.59 -4051.32-1186.21
346 10.36 -151.77 -259.61 -251.70 -159.68 -28.11 112.44 -6139.82 -5564.26 -463.13-1807.56
345 10.13 -168.01 -253.18 -253.17 -168.02 -1.12 -476.40 -6267.82 -6267.49 -476.74-43.89
297 144 322 6.19 -113.59 -127.75 -121.23 -120.12 -7.06 -3221.51 -3972.39 -3957.31 -3236.59-105.35
323 6.32 -102.54 -134.13 -124.00 -112.66 -14.74 -2655.95 -4298.19 -3656.69 -3297.45-801.23
346 7.14 -100.53 -171.22 -165.76 -105.99 -18.87 -121.28 -4374.24 -3972.57 -522.94-1243.75
345 6.99 -111.63 -166.85 -166.83 -111.64 -0.88 -533.20 -4450.55 -4450.49 -533.2615.43
297 159 322 5.07 -50.98 -61.39 -51.04 -61.32 -0.85 -3024.91 -3804.96 -3034.89 -3794.9887.67
323 5.17 -48.06 -61.44 -52.25 -57.25 -6.20 -2744.82 -4044.34 -2870.84 -3918.32-384.56
346 4.42 -51.01 -78.48 -76.01 -53.48 -7.85 -850.64 -3189.32 -2945.38 -1094.58-714.84
345 4.42 -56.46 -76.98 -76.91 -56.54 1.25 -1011.78 -3242.25 -3217.43 -1036.59233.94
297 164 322 4.74 20.21 1.58 20.17 1.62 0.88 -2171.83 -4445.48 -2182.78 -4434.53157.39
323 4.78 20.78 2.30 20.58 2.50 -1.90 -2149.57 -4476.92 -2152.21 -4474.29-78.22
346 2.46 15.42 3.40 15.34 3.48 -0.98 -1446.38 -2133.07 -1973.03 -1606.42-290.32
345 2.55 14.67 2.73 14.58 2.82 -1.02 -1431.53 -2225.42 -2041.20 -1615.74335.13
297 194 322 4.88 22.38 5.72 22.08 6.01 2.20 -2261.24 -4528.30 -2267.08 -4522.46114.89
323 4.93 22.45 6.70 22.44 6.71 -0.20 -2238.21 -4567.59 -2238.22 -4567.58-4.93
346 2.57 18.13 7.83 18.09 7.87 0.62 -1588.86 -2149.33 -2043.51 -1694.69-219.34
345 2.63 17.38 7.38 17.38 7.38 0.20 -1573.63 -2234.54 -2109.70 -1698.47258.69
297 226 322 4.89 20.18 0.22 20.17 0.23 0.39 -2218.38 -4602.45 -2228.68 -4592.15156.33
323 4.92 20.95 0.55 20.69 0.82 -2.33 -2194.70 -4630.59 -2196.97 -4628.31-74.44
346 2.56 15.56 1.67 15.39 1.84 -1.51 -1607.44 -2212.65 -2018.71 -1801.39-282.43
345 2.65 14.81 1.38 14.62 1.56 -1.56 -1588.53 -2307.77 -2086.11 -1810.19332.10
298 15 323 8.66 -167.85 -202.31 -193.55 -176.60 -15.00 -3494.74 -5635.33 -4907.07 -4223.01-1014.17
324 8.84 -153.46 -202.24 -194.87 -160.82 -17.46 -2875.92 -6092.00 -3859.30 -5108.62-1481.75
347 8.89 -153.46 -252.44 -243.29 -162.61 -28.68 489.53 -4974.52 -3300.60 -1184.38-2518.80
346 9.86 -164.86 -252.07 -250.25 -166.68 -12.46 -31.36 -5934.61 -5399.19 -566.77-1695.29
298 79 323 8.89 -157.39 -204.90 -192.15 -170.14 -21.05 -3442.14 -5895.68 -5015.91 -4321.92-1176.67
324 8.99 -141.62 -204.12 -193.14 -152.59 -23.78 -2774.87 -6239.07 -3954.55 -5059.39-1641.64

347	9.24	-142.59	-253.78	-241.89	-154.48	-34.36	613.03	-5146.46	-3397.22	-1136.21-2648.57
346	10.12	-156.85	-252.57	-249.10	-160.31	-17.88	-51.98	-6120.54	-5508.34	-664.18-1827.68
298 144 323	6.40	-103.69	-134.84	-125.42	-113.12	-14.31	-2758.89	-4352.85	-3628.04	-3483.71-793.70
324	6.53	-93.36	-134.47	-126.59	-101.25	-16.19	-2195.02	-4698.53	-2869.56	-4023.99-1110.73
347	6.35	-94.57	-167.29	-159.14	-102.72	-22.94	266.08	-3668.35	-2402.38	-999.89-1837.99
346	6.99	-103.99	-166.45	-164.02	-106.42	-12.08	-228.02	-4359.41	-3929.88	-657.54-1260.97
298 159 323	5.20	-48.79	-61.87	-53.12	-57.53	-6.16	-2728.23	-4082.86	-2843.11	-3967.98-377.39
324	5.57	-46.09	-61.17	-55.70	-51.56	-7.25	-2141.30	-4606.09	-2277.51	-4469.88-563.18
347	3.90	-48.98	-76.14	-72.06	-53.06	-9.71	-400.86	-2709.08	-1684.88	-1425.05-1146.78
346	4.35	-52.57	-75.75	-74.71	-53.61	-4.81	-832.00	-3164.40	-2894.76	-1101.64-745.79
298 164 323	4.82	20.34	2.13	20.11	2.36	-2.04	-2128.73	-4520.21	-2130.74	-4518.19-69.41
324	5.27	16.81	3.13	16.33	3.61	-2.52	-1744.20	-4887.71	-1748.96	-4882.95-122.23
347	2.29	15.95	2.01	15.95	2.02	-0.27	-755.31	-2094.59	-1031.79	-1818.10-542.07
346	2.44	15.48	3.34	15.37	3.45	-1.15	-1414.40	-2128.69	-1932.41	-1610.68-318.87
298 169 323	4.92	21.72	-3.85	17.80	0.07	-9.21	-1997.53	-4590.10	-2002.17	-4585.46-109.58
324	5.44	19.19	-4.75	13.89	0.56	-9.94	-1621.96	-4985.94	-1622.82	-4985.09-53.71
347	2.42	16.48	-4.68	12.93	-1.12	-7.92	-664.40	-2118.95	-869.13	-1914.22-505.84
346	2.30	17.04	-3.51	12.47	1.06	-8.55	-1328.84	-2109.60	-1767.45	-1671.00-387.39
298 226 323	4.97	20.57	0.33	20.24	0.66	-2.57	-2174.24	-4673.63	-2175.96	-4671.92-65.42
324	5.43	17.24	1.05	16.68	1.61	-2.96	-1792.74	-5031.39	-1796.97	-5027.16-116.98
347	2.42	16.13	1.22e-03	16.09	0.05	-0.88	-847.62	-2248.62	-1087.47	-2008.78-527.73
346	2.54	15.71	1.57	15.47	1.81	-1.83	-1569.74	-2214.80	-1978.83	-1805.71-310.70
299 15 324	8.85	-155.41	-207.52	-201.03	-161.90	-17.21	-2872.07	-6073.70	-3781.05	-5164.72-1443.60
325	8.73	-136.77	-195.58	-193.99	-138.36	-9.52	-2333.44	-6436.92	-2833.13	-5937.24-1341.92
348	6.53	-138.79	-236.33	-228.20	-146.91	-26.95	472.49	-3459.35	-1035.91	-1950.94-1911.94
347	8.53	-157.36	-236.99	-232.48	-161.87	-18.42	501.42	-4917.29	-3138.57	-1277.31-2544.51
299 79 324	9.01	-143.68	-209.62	-199.58	-153.72	-23.69	-2780.12	-6224.66	-3888.92	-5115.86-1609.31
325	8.79	-124.81	-196.45	-192.32	-128.95	-16.71	-2286.23	-6488.64	-2927.10	-5847.78-1510.78
348	6.84	-126.59	-238.55	-227.28	-137.86	-33.69	578.70	-3583.58	-1141.26	-1863.62-2049.56
347	8.91	-146.98	-238.53	-231.45	-154.05	-24.45	621.41	-5108.26	-3257.85	-1229.00-2679.22
299 144 324	6.54	-94.83	-138.23	-131.03	-102.02	-16.14	-2191.16	-4694.08	-2819.22	-4066.03-1085.14
325	6.46	-82.56	-129.33	-126.61	-85.28	-10.94	-1787.36	-4940.55	-2140.66	-4587.25-994.59
348	4.66	-84.04	-156.91	-149.26	-91.68	-22.33	270.57	-2563.51	-772.34	-1520.60-1366.76
347	6.13	-97.58	-157.04	-152.17	-102.45	-16.30	276.13	-3641.95	-2296.34	-1069.47-1860.52
299 159 324	5.60	-47.32	-63.10	-58.40	-52.01	-7.22	-2105.03	-4625.65	-2223.43	-4507.25-533.32

325	5.82	-42.84	-58.24	-57.88	-43.20	-2.32	-1700.38	-4954.54	-1748.75	-
4906.17-393.76										
348	2.98	-44.74	-69.74	-66.47	-48.01	-8.43	-151.35	-2075.42	-394.18	-
1832.58-638.96										
347	3.80	-50.75	-70.57	-68.45	-52.86	-6.12	-366.92	-2697.01	-1575.06	-
1488.87-1164.25										
299 164 324	5.31	15.75	2.89	15.19	3.44	-2.62	-1696.93	-4918.53	-1699.56	-
4915.90-91.98										
325	5.69	12.29	4.84	11.97	5.16	1.51	-1417.10	-5167.84	-1419.48	-
5165.4694.50										
348	2.60	17.00	1.64	16.94	1.70	0.97	-86.26	-2086.36	-86.26	-
2086.35-2.90										
347	2.34	15.96	1.93	15.96	1.93	0.03	-674.40	-2134.96	-933.30	-
1876.05-557.78										
299 181 324	5.46	13.65	-2.33	13.64	-2.32	-0.23	-1590.95	-4968.19	-1591.26	-
4967.8832.53										
325	5.88	11.67	-2.90	10.26	-1.49	4.31	-1307.49	-5257.52	-1319.94	-
5245.07221.43										
348	2.87	16.22	-5.29	15.65	-4.72	3.47	31.49	-2168.31	26.67	-
2163.49102.90										
347	2.32	14.84	-3.86	14.60	-3.61	2.11	-649.88	-2088.29	-811.65	-
1926.52-454.45										
299 226 324	5.48	16.23	0.75	15.55	1.43	-3.18	-1745.71	-5062.20	-1747.98	-
5059.93-86.70										
325	5.81	12.72	2.80	12.61	2.91	1.02	-1467.21	-5298.28	-1469.65	-
5295.8496.80										
348	2.81	17.17	-0.50	17.16	-0.49	0.28	-151.73	-2267.34	-151.79	-
2267.2810.99										
347	2.50	16.20	-0.05	16.17	-0.02	-0.70	-763.35	-2293.13	-989.85	-
2066.62-543.32										
300 15 325	8.69	-136.80	-202.98	-202.27	-137.51	-6.80	-2360.39	-6412.45	-2808.87	-
5963.97-1271.27										
326	8.06	-109.49	-185.71	-185.53	-109.67	-3.68	-2347.03	-6195.62	-2550.93	-
5991.72-862.05										
349	4.40	-107.16	-209.73	-206.03	-110.86	-19.13	-648.13	-2348.76	-830.52	-
2166.37-526.22										
348	6.14	-140.69	-213.68	-208.60	-145.76	-18.57	414.86	-3376.18	-975.96	-
1985.36-1827.09										
300 79 325	8.74	-125.30	-203.39	-200.59	-128.10	-14.52	-2304.74	-6463.41	-2894.93	-
5873.21-1451.24										
326	8.04	-98.76	-185.70	-183.91	-100.54	-12.34	-2307.04	-6179.07	-2629.69	-
5856.42-1070.14										
349	4.62	-95.33	-214.22	-207.31	-102.23	-27.81	-619.61	-2402.76	-977.76	-
2044.61-714.39										
348	6.51	-128.12	-216.07	-207.33	-136.85	-26.30	504.95	-3543.94	-1131.48	-
1907.50-1986.91										
300 112 325	6.42	-90.56	-133.72	-133.28	-90.99	-4.32	-1819.56	-4907.54	-2060.59	-
4666.52-828.37										
326	5.98	-72.13	-121.72	-121.68	-72.18	-1.55	-1814.19	-4748.72	-1909.80	-
4653.11-520.99										
349	3.05	-70.95	-137.32	-134.91	-73.36	-12.41	-567.59	-1760.37	-615.95	-
1712.01-235.26										
348	4.22	-93.51	-140.24	-136.80	-96.95	-12.20	169.12	-2431.30	-657.90	-
1604.28-1211.05										
300 158 325	5.83	22.66	13.46	22.30	13.82	1.78	-1430.70	-5212.66	-1436.01	-
5207.35141.59										
326	5.56	28.44	11.83	25.02	15.25	6.72	-1548.09	-5015.85	-1595.00	-
4968.94400.59										
349	2.91	29.18	12.28	28.63	12.83	3.00	-99.74	-2408.36	-488.85	-
2019.25864.23										
348	2.60	27.19	10.72	26.99	10.92	1.80	-75.07	-2116.47	-76.26	-
2115.2849.32										
300 164 325	5.71	12.14	4.72	11.75	5.10	1.64	-1404.59	-5184.46	-1410.06	-
5178.99143.60										
326	5.45	18.89	3.18	15.07	7.00	6.74	-1521.42	-4987.22	-1568.89	-
4939.75402.83										
349	2.95	18.76	3.69	18.31	4.14	2.57	-77.97	-2397.32	-467.06	-
2008.22866.64										
348	2.65	17.15	1.61	17.04	1.72	1.31	-53.09	-2106.66	-54.44	-
2105.3152.61										

300	185	325	5.91	11.96	-3.43	9.99	-1.46	5.15	-1289.96	-5277.94	-1309.93	-5257.97281.49
		326	5.73	19.59	-5.54	13.36	0.69	10.85	-1385.98	-5129.82	-1472.03	-5043.77561.02
		349	3.44	20.48	-3.87	18.45	-1.84	6.74	139.80	-2560.34	-318.37	-2102.181013.50
		348	2.96	16.66	-5.62	15.54	-4.51	4.86	112.10	-2188.19	98.11	-2174.20178.81
300	226	325	5.83	12.44	2.74	12.33	2.85	1.04	-1455.01	-5314.79	-1460.52	-5309.28145.73
		326	5.55	18.66	1.93	15.94	4.65	6.18	-1570.25	-5100.07	-1615.96	-5054.36399.06
		349	3.12	18.89	1.59	18.69	1.79	1.86	-152.55	-2553.14	-531.46	-2174.22875.23
		348	2.86	17.50	-0.46	17.48	-0.45	0.48	-118.44	-2288.13	-120.46	-2286.1166.24
301	15	326	8.00	-109.71	-186.15	-186.15	-109.71	0.23	-2410.19	-6152.25	-2594.60	-5967.84-809.99
		327	7.11	-83.57	-164.58	-164.38	-83.77	-4.04	-2840.13	-5445.35	-2935.83	-5349.65-490.05
		350	4.52	-68.86	-191.72	-183.75	-76.83	-30.26	-1840.80	-2041.59	-2007.66	-1874.7375.24
		349	4.29	-103.98	-201.60	-198.96	-106.62	-15.83	-783.42	-2257.90	-967.33	-2073.98-487.19
301	57	326	7.96	-106.91	-183.49	-182.64	-107.76	8.01	-2579.29	-6140.17	-2842.25	-5877.21-931.25
		327	7.25	-81.72	-161.09	-160.90	-81.90	3.79	-3037.77	-5587.55	-3193.16	-5432.17-609.96
		350	4.72	-70.37	-184.78	-180.17	-74.97	-22.49	-1785.30	-2271.08	-2264.58	-1791.79-55.81
		349	4.38	-103.96	-196.07	-195.35	-104.68	-8.12	-869.90	-2327.77	-1214.48	-1983.19-619.36
301	133	326	5.90	-70.11	-120.52	-119.73	-70.90	6.26	-1986.51	-4696.62	-2108.73	-4574.40-562.40
		327	5.35	-53.08	-104.46	-104.19	-53.35	3.71	-2346.84	-4254.01	-2406.66	-4194.19-332.43
		350	3.32	-45.88	-120.32	-117.41	-48.79	-14.43	-1381.96	-1754.99	-1720.52	-1416.43108.02
		349	3.01	-68.81	-128.15	-127.71	-69.24	-5.05	-776.62	-1689.51	-884.89	-1581.24-295.16
301	158	326	5.55	28.62	11.89	25.24	15.27	6.72	-1574.02	-5007.61	-1630.43	-4951.20436.44
		327	4.90	36.85	12.96	32.90	16.91	8.88	-1980.17	-4456.43	-2111.34	-4325.26554.62
		350	3.21	31.75	14.78	30.37	16.16	4.64	-551.91	-2727.98	-1604.07	-1675.821087.45
		349	2.87	29.05	12.23	28.66	12.62	2.53	-155.14	-2385.36	-586.25	-1954.25880.70
301	164	326	5.43	19.19	3.11	15.24	7.06	6.92	-1547.33	-4978.89	-1604.25	-4921.97438.26
		327	4.77	27.47	4.98	23.10	9.35	8.90	-1952.00	-4427.75	-2084.17	-4295.59556.53
		350	3.11	21.69	7.58	20.30	8.97	4.21	-532.63	-2712.67	-1581.03	-1664.271089.22
		349	2.89	19.38	3.63	18.88	4.13	2.75	-133.44	-2374.21	-564.32	-1943.33883.09
301	181	326	5.72	19.66	-5.63	13.44	0.60	10.89	-1427.79	-5132.23	-1527.31	-5032.71598.97
		327	5.04	28.52	-3.14	21.49	3.90	13.16	-1812.51	-4635.89	-2008.50	-4439.89717.60
		350	3.44	23.05	-0.33	19.04	3.68	8.82	-409.29	-2902.31	-1503.20	-1808.401237.13
		349	3.36	19.85	-4.44	17.59	-2.18	7.06	25.41	-2564.57	-485.38	-2053.781030.55
301	226	326	5.54	18.82	1.92	16.04	4.71	6.27	-1596.52	-5091.42	-1651.36	-5036.58434.36
		327	4.84	27.45	3.67	24.03	7.09	8.35	-1995.99	-4517.26	-2120.55	-4392.70546.38
		350	3.21	21.81	5.68	20.96	6.54	3.61	-623.56	-2818.56	-1632.16	-1809.961093.89

349	3.05	19.68	1.61	19.49	1.81	1.85	-210.04	-2528.10	-628.44	-
2109.69891.53											
302 15 327	7.08	-83.78	-161.36	-161.29	-83.85	-2.34	-2904.97	-5410.90	-2996.33	-
5319.54-469.67											
328	6.34	-63.08	-137.69	-134.66	-66.11	-14.73	-3224.80	-4613.20	-3312.51	-
4525.49-337.76											
351	4.98	-38.75	-178.16	-163.84	-53.07	-42.33	-1672.77	-2724.64	-2715.44	-
1681.9797.93											
350	4.50	-70.08	-183.62	-178.69	-75.00	-23.13	-1852.90	-2074.01	-2064.92	-
1861.9943.90											
302 57 327	7.23	-81.65	-158.34	-157.96	-82.02	5.33	-3099.21	-5554.17	-3248.76	-
5404.62-587.18											
328	6.52	-62.95	-131.93	-131.25	-63.63	-6.86	-3408.09	-4791.72	-3572.46	-
4627.35-447.67											
351	5.20	-40.68	-169.86	-160.00	-50.54	-34.30	-1784.37	-2960.65	-2960.32	-
1784.71-19.80											
350	4.67	-70.86	-177.19	-174.95	-73.11	-15.29	-1762.60	-2314.44	-2302.14	-
1774.91-81.48											
302 133 327	5.34	-52.98	-102.62	-102.17	-53.44	4.74	-2393.58	-4229.16	-2449.44	-
4173.30-315.29											
328	4.78	-40.45	-83.79	-83.47	-40.77	-3.70	-2654.77	-3619.31	-2710.95	-
3563.14-225.89											
351	3.70	-25.47	-110.19	-103.88	-31.78	-22.23	-1369.05	-2277.20	-2263.37	-
1382.88111.21											
350	3.31	-46.16	-115.27	-113.90	-47.53	-9.64	-1383.70	-1771.07	-1750.23	-
1404.5487.41											
302 158 327	4.89	36.99	13.00	33.17	16.82	8.78	-2012.79	-4447.86	-2154.29	-
4306.36569.68											
328	4.38	41.64	17.38	39.46	19.57	6.94	-2277.60	-3836.27	-2497.68	-
3616.18542.77											
351	3.31	33.54	17.99	30.76	20.77	5.95	-826.35	-2830.97	-2197.17	-
1460.15932.11											
350	3.20	31.29	15.11	30.23	16.17	4.00	-593.85	-2716.37	-1639.14	-
1671.081061.14											
302 164 327	4.76	27.86	5.03	23.56	9.33	8.92	-1984.65	-4419.01	-2127.00	-
4276.66571.19											
328	4.24	32.33	10.28	30.19	12.43	6.54	-2248.49	-3808.09	-2469.77	-
3586.82544.19											
351	3.21	23.37	11.86	20.87	14.35	4.74	-809.67	-2812.04	-2173.68	-
1448.04933.13											
350	3.09	21.83	7.74	20.49	9.08	4.13	-574.58	-2700.98	-1616.04	-
1659.521062.98											
302 183 327	5.01	32.73	-4.40	23.33	5.00	16.14	-2011.29	-4629.75	-2212.07	-
4428.97696.72											
328	4.41	36.78	1.42	29.99	8.22	13.93	-2271.72	-4070.70	-2562.28	-
3780.15662.03											
351	3.36	28.89	2.35	21.02	10.22	12.12	-881.09	-3048.39	-2283.20	-
1646.281035.80											
350	3.40	26.53	-1.09	20.60	4.83	11.34	-575.27	-2922.63	-1717.39	-
1780.511173.26											
302 228 327	4.83	27.57	3.82	23.91	7.48	8.57	-2064.13	-4501.77	-2194.99	-
4370.92549.41											
328	4.30	32.34	9.00	30.39	10.95	6.45	-2322.12	-3865.44	-2522.39	-
3665.17518.63											
351	3.26	23.35	10.38	21.12	12.61	4.90	-920.32	-2882.55	-2235.71	-
1567.16922.41											
350	3.17	21.78	6.04	20.80	7.02	3.80	-695.79	-2804.15	-1697.59	-
1802.351052.88											
303 15 328	6.33	-63.51	-134.30	-131.66	-66.15	-13.41	-3267.90	-4607.77	-3349.03	-
4526.64-319.57											
329	5.48	-39.22	-120.29	-106.43	-53.08	-30.52	-2990.28	-3841.68	-3075.22	-
3756.74-255.15											
352	4.69	-15.98	-168.10	-143.61	-40.46	-55.90	-1462.32	-2589.36	-2584.53	-
1467.1473.56											
351	4.88	-40.65	-167.74	-156.96	-51.42	-35.40	-1680.48	-2731.28	-2722.70	-
1689.0694.57											
303 57 328	6.51	-63.20	-128.95	-128.42	-63.74	-5.92	-3457.58	-4781.58	-3609.04	-
4630.13-421.41											
329	5.66	-42.11	-111.23	-103.22	-50.11	-22.11	-3166.39	-4039.31	-3337.66	-
3868.04-346.66											

352 4.87 -18.38 -157.17 -138.29 -37.25 -47.57 -1579.14 -2828.18 -2827.84 -1579.48-20.61
351 5.07 -41.56 -158.72 -151.60 -48.68 -27.98 -1793.93 -2963.61 -2963.52 -1794.02-9.93
303 117 328 4.73 57.41 23.07 51.34 29.13 13.09 -2544.64 -4014.15 -2769.24 -3789.55528.77
329 4.20 54.99 30.82 50.61 35.20 9.31 -2304.09 -3404.86 -2574.23 -3134.73473.69
352 3.23 55.13 21.47 40.69 35.91 16.66 -916.02 -2736.39 -2304.14 -1348.27774.60
351 3.55 50.84 23.22 43.87 30.19 11.99 -997.70 -2993.73 -2414.75 -1576.68905.78
303 158 328 4.40 41.56 17.23 39.51 19.28 6.76 -2288.08 -3854.19 -2523.11 -3619.16559.32
329 3.88 39.71 24.21 39.49 24.43 1.80 -2067.91 -3249.01 -2338.99 -2977.94496.67
352 2.99 34.26 18.90 27.42 25.74 7.63 -772.62 -2567.54 -2096.00 -1244.16789.95
351 3.32 32.77 18.62 30.51 20.87 5.18 -832.91 -2832.94 -2198.30 -1467.55930.88
303 164 328 4.26 32.52 10.14 30.47 12.19 6.46 -2259.14 -3825.67 -2495.10 -3589.71560.32
329 3.75 31.23 17.20 31.18 17.25 0.79 -2040.19 -3222.05 -2312.03 -2950.21497.37
352 2.90 24.12 13.29 18.05 19.35 5.37 -757.98 -2547.42 -2073.51 -1231.89789.58
351 3.21 23.44 12.21 21.10 14.55 4.56 -816.18 -2814.04 -2174.81 -1455.42931.92
303 183 328 4.45 35.76 2.71 30.43 8.04 12.16 -2327.95 -4088.51 -2625.13 -3791.32659.46
329 3.93 33.20 9.51 31.00 11.72 6.88 -2121.64 -3495.25 -2446.20 -3170.69583.51
352 3.08 27.28 5.10 18.40 13.98 10.86 -898.00 -2801.66 -2239.56 -1460.10868.38
351 3.41 27.03 4.88 21.35 10.56 9.67 -923.39 -3078.15 -2336.69 -1664.851023.67
303 228 328 4.32 32.45 8.89 30.64 10.70 6.28 -2333.43 -3882.34 -2547.73 -3668.04534.80
329 3.78 31.10 16.31 31.05 16.36 0.85 -2098.92 -3252.63 -2342.25 -3009.30470.66
352 2.92 24.00 12.39 18.05 18.34 5.80 -841.34 -2588.38 -2108.64 -1321.08779.73
351 3.27 23.31 10.82 21.31 12.81 4.58 -926.68 -2884.59 -2236.90 -1574.37921.20
304 15 329 5.50 -41.41 -117.40 -103.88 -54.93 -29.06 -3053.62 -3857.71 -3127.26 -3784.07-231.92
330 4.08 -8.46 -111.73 -84.54 -35.65 -45.48 -1812.13 -2925.01 -1839.80 -2897.34-173.29
353 3.50 -6.11 -157.31 -126.52 -36.91 -60.89 -1193.07 -1545.90 -1541.14 -1197.8340.71
352 4.53 -16.54 -155.28 -134.09 -37.73 -49.91 -1440.36 -2591.69 -2584.09 -1447.9693.25
304 57 329 5.68 -43.65 -107.51 -99.33 -51.82 -21.34 -3248.87 -4048.91 -3401.38 -3896.39-314.26
330 4.18 -13.27 -100.20 -80.17 -33.30 -36.61 -2048.63 -3040.28 -2108.47 -2980.44-236.14
353 3.61 -9.37 -144.40 -119.41 -34.35 -52.44 -1281.40 -1766.15 -1765.30 -1282.24-20.23
352 4.67 -17.66 -143.42 -126.79 -34.29 -42.61 -1559.65 -2814.22 -2814.07 -1559.8113.98
304 133 329 4.14 -26.81 -67.69 -62.08 -32.42 -14.08 -2537.97 -3036.87 -2581.09 -2993.75-140.19
330 3.00 -4.61 -64.49 -50.56 -18.54 -25.30 -1572.04 -2302.29 -1585.16 -2289.17-97.00
353 2.49 -4.62 -93.63 -78.42 -19.83 -33.50 -972.56 -1360.11 -1345.99 -986.6872.60
352 3.33 -9.47 -92.70 -82.02 -20.15 -27.83 -1187.88 -2166.43 -2152.28 -1202.03116.80
304 158 329 3.91 39.41 22.84 39.15 23.10 2.05 -2083.54 -3294.03 -2378.47 -

2999.11519.64										
330	3.09	37.93	25.62	28.55	35.00	-5.24	-1183.68	-2475.50	-1369.30	-
2289.89453.13										
353	2.08	39.31	8.03	17.27	30.07	14.27	-481.02	-1807.92	-1288.11	-
1000.83647.72										
352	3.03	33.04	21.05	27.51	26.58	5.98	-745.90	-2576.68	-2094.22	-
1228.36806.55										
304 164 329	3.78	31.15	15.85	31.06	15.93	1.12	-2055.93	-3266.53	-2351.26	-
2971.20519.90										
330	2.99	31.90	17.27	21.70	27.46	-6.72	-1160.70	-2452.26	-1346.40	-
2266.56453.17										
353	2.06	28.98	2.99	8.95	23.03	10.93	-468.01	-1789.28	-1268.42	-
988.87645.68										
352	2.94	23.94	15.19	18.80	20.34	4.31	-731.37	-2556.58	-2071.79	-
1216.16806.12										
304 183 329	4.01	31.24	10.50	31.14	10.60	1.43	-2200.89	-3523.54	-2525.13	-
3199.30568.97										
330	3.15	28.67	15.61	21.72	22.56	-6.52	-1297.81	-2647.92	-1510.08	-
2435.64491.46										
353	2.39	29.07	-1.98	8.76	18.32	14.77	-579.28	-2041.18	-1455.81	-
1164.65716.30										
352	3.15	24.81	9.12	18.71	15.22	7.65	-896.00	-2824.42	-2269.46	-
1450.96873.05										
304 202 329	3.81	31.22	16.07	31.09	16.20	1.37	-2101.38	-3283.50	-2392.20	-
2992.68509.13										
330	3.01	31.96	17.53	21.57	27.92	-6.48	-1199.47	-2466.38	-1381.13	-
2284.71444.01										
353	2.08	29.91	2.75	9.03	23.63	11.45	-497.85	-1812.82	-1300.67	-
1010.00641.22										
352	2.96	24.65	14.91	19.03	20.53	4.81	-770.94	-2588.53	-2112.68	-
1246.80799.04										
305 7 330	4.23	53.56	31.58	32.14	53.00	-3.46	-1554.14	-3375.29	-1835.30	-
3094.14658.01										
331	4.20	88.88	2.98	3.37	88.48	5.83	713.55	-2052.67	661.37	-
2000.49376.31										
354	2.33	86.12	-5.05	19.93	61.14	40.66	441.92	-1282.37	311.53	-
1151.98455.88										
353	2.91	68.16	26.47	43.07	51.55	20.41	-606.54	-2434.86	-1719.91	-
1321.49892.19										
305 73 330	3.90	60.38	15.27	18.24	57.41	-11.19	-1139.55	-2942.23	-1455.61	-
2626.17685.47										
331	4.48	94.38	-8.09	-8.04	94.33	-2.09	998.09	-1910.90	941.87	-
1854.69400.46										
354	2.63	79.36	-6.42	6.13	66.82	30.30	732.61	-1067.23	669.98	-
1004.60329.85										
353	2.30	60.85	23.56	27.65	56.76	11.65	-318.95	-1834.23	-1275.70	-
877.48731.01										
305 141 330	2.99	43.58	11.19	13.44	41.33	-8.24	-910.70	-2292.57	-1148.77	-
2054.49521.83										
331	3.39	69.54	-6.53	-6.51	69.52	-1.25	739.70	-1476.70	697.33	-
1434.33303.51										
354	1.97	58.20	-5.81	4.08	48.31	23.14	533.74	-835.53	481.17	-
782.96263.09										
353	1.80	44.36	17.11	20.50	40.97	9.00	-272.75	-1461.10	-1018.92	-
714.93574.40										
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2301.09486.54										
331	3.09	57.43	-3.73	-3.62	57.32	2.56	542.87	-1535.10	505.88	-
1498.11274.76										
354	1.69	51.23	-8.33	6.66	36.24	25.84	332.86	-950.99	243.89	-
862.01326.05										
353	2.09	39.20	14.12	23.01	30.31	12.00	-462.41	-1806.36	-1282.58	-
986.19655.43										
305 164 330	2.95	25.11	7.40	9.60	22.91	-5.85	-1131.34	-2484.20	-1337.72	-
2277.82486.43										
331	3.03	49.72	-8.59	-8.57	49.70	1.07	557.40	-1520.78	520.61	-
1483.99274.05										
354	1.63	40.26	-12.04	-0.03	28.25	22.00	346.64	-936.96	258.90	-
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353	2.02	29.61	9.39	15.54	23.45	9.31	-450.23	-1787.76	-1263.40	-

974.59652.99
305 174 330 3.05 27.75 -5.18 0.28 22.29 -12.25 -1007.09 -2503.54 -1228.56 -
2282.08531.38
331 3.31 50.10 -17.69 -17.50 49.91 -3.61 663.54 -1590.06 612.03 -
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354 1.87 36.30 -12.77 -4.83 28.36 18.08 496.59 -984.73 405.66 -
893.81355.56
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1305.07696.04											
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701.14200.44											
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685.13796.89											
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658.98853.34											
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1004.92587.14											
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954.48544.13											
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	334	2.03	49.70	0.74	0.76	49.68	-1.01	-30.16	-1095.77	-32.31	-
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308 139	333	2.02	54.17	0.20	0.42	53.95	-3.39	271.28	-890.90	196.78	-
816.40284.67											
	334	1.72	48.20	0.93	0.93	48.20	-0.02	-22.27	-855.75	-22.28	-
855.751.21											
	357	1.47	39.81	0.11	0.28	39.64	2.63	-17.51	-755.40	-23.47	-
749.4366.08											
	356	2.27	45.00	-1.57	-1.37	44.80	-3.03	568.72	-1086.52	198.95	-
716.75689.44											
308 158	333	1.82	39.55	-0.87	-0.48	39.15	-3.98	285.53	-877.57	193.22	-
785.26314.40											
	334	1.49	34.40	0.31	0.31	34.39	-0.32	-22.94	-825.35	-24.54	-
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	357	1.21	23.65	0.43	0.44	23.65	0.41	-11.45	-730.42	-25.60	-
716.2799.86											
	356	2.18	30.23	-2.24	-0.82	28.82	-6.63	596.82	-1084.45	196.61	-
684.25716.03											
308 164	333	1.75	34.47	-1.58	-1.16	34.06	-3.85	287.20	-869.48	193.60	-
775.89315.44											
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	357	1.13	18.35	0.35	0.35	18.34	-0.21	-11.13	-719.43	-25.62	-
704.93100.28											
	356	2.16	25.15	-3.64	-0.80	22.31	-8.58	603.07	-1077.75	197.83	-
672.51718.96											
308 178	333	1.94	42.16	-2.57	-1.91	41.50	-5.40	304.81	-914.89	197.11	-
807.19346.06											
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844.7666.38											
	357	1.33	29.05	0.10	0.14	29.01	0.98	0.76	-759.18	-22.99	-
735.43132.24											
	356	2.29	31.37	-3.31	-1.67	29.73	-7.36	624.66	-1128.74	200.04	-
704.12751.15											
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772.72332.12											
	334	1.45	33.11	0.07	0.07	33.11	0.07	-22.82	-812.71	-24.64	-
810.9037.85											
	357	1.15	19.73	0.32	0.32	19.73	-0.26	-10.66	-717.54	-25.58	-
702.62101.60											
	356	2.18	25.51	-3.32	-0.77	22.96	-8.18	613.88	-1089.10	196.20	-
671.42732.70											
309 1	335	2.20	39.23	-0.27	-0.20	39.16	-1.60	25.10	-1341.45	-7.99	-
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1327.68-1782.48											
	359	5.29	18.90	-17.03	1.24	0.63	17.96	2491.59	-2074.33	75.15	
342.10-2279.05											
	358	0.83	2.14	-2.21	0.40	-0.47	2.13	527.91	-177.07	-35.91	
386.75-282.11											
309 61	335	2.49	53.35	0.78	1.04	53.10	-3.64	43.15	-1432.97	-4.22	-
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	359	5.31	24.80	-10.01	-0.07	14.87	15.72	2507.18	-2131.15	95.98	
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312.77-323.29											
309 135	335	1.88	39.55	0.50	0.67	39.38	-2.59	31.17	-1090.90	-3.60	-
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	359	4.07	18.30	-8.23	0.08	10.00	12.30	1921.61	-1628.94	71.71	
220.96-1773.71											

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247.34-243.87										
309 162 335	1.73	33.06	0.04	0.12	32.97	-1.65	22.45	-1037.70	-5.04	-
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336	3.74	39.44	-6.97	-1.42	33.89	15.06	1068.58	-1893.76	197.11	-
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359	3.99	15.48	-11.02	0.62	3.83	13.15	1879.86	-1574.10	62.57	
243.19-1724.62										
358	0.59	3.31	-0.45	-0.01	2.87	1.21	392.91	-141.27	-23.08	
274.72-221.73										
309 164 335	1.67	29.93	-0.20	-0.15	29.88	-1.20	18.60	-1017.53	-5.87	-
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256.98-1716.11										
358	0.62	1.71	-1.52	0.31	-0.11	1.60	397.56	-133.57	-27.17	
291.16-212.58										
309 189 335	1.49	18.91	-0.90	-0.89	18.90	0.52	34.60	-986.83	-10.80	-
941.44-210.50										
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964.93-1393.86										
359	4.15	10.89	-20.80	1.84	-11.75	14.31	1950.74	-1610.73	42.34	
297.67-1776.15										
358	0.87	1.90	-10.96	1.61	-10.67	1.92	481.23	-181.61	-41.05	
340.67-270.95										
309 200 335	1.61	25.91	-0.29	-0.26	25.88	-0.89	19.09	-1011.53	-7.37	-
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989.91-1406.35										
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278.07-1805.87										
358	0.68	0.79	-4.84	0.40	-4.45	1.43	414.17	-143.82	-28.28	
298.63-226.09										
310 15 338	6.56	26.09	-133.89	-57.61	-50.19	79.91	-72.36	-3750.93	-1286.29	-
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339	7.62	-24.15	-172.98	-110.14	-87.00	73.51	-397.08	-4518.89	-2643.24	-
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121.90264.51										
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304.88-1570.42										
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287.30222.08										
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1023.68-729.06										
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366	6.91	-46.68	-105.64	-105.37	-46.95	3.97	1592.01	-3813.09	-3798.47	

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		366	3.81	12.85	2.58	12.53	2.90	-1.81	1135.02	-2259.60	-2207.58	
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		346	2.27	15.70	0.31	14.83	1.18	3.55	-1141.09	-1953.92	-1908.68	-
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		367	4.05	13.47	0.61	12.96	1.12	2.51	1531.56	-2115.84	-2104.24	
1519.96-205.36											
		366	4.14	12.31	0.11	11.63	0.80	2.80	1497.56	-2270.76	-2182.10	
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315	223	345	2.48	14.84	3.98	14.80	4.03	-0.73	-1215.85	-2170.54	-2023.15	-
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		346	2.37	15.59	4.98	15.52	5.05	-0.85	-1222.89	-2065.65	-1929.34	-
1359.19-310.31											
		367	3.90	14.07	4.59	13.74	4.92	-1.73	1437.92	-2111.41	-2079.19	
1405.69-336.65											
		366	3.96	12.95	3.86	12.72	4.09	-1.43	1350.77	-2227.09	-2177.26	
1300.94419.26											
316	15	346	10.04	-161.48	-261.01	-257.01	-165.48	-19.55	115.11	-5912.62	-5363.27	-
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1258.60-2551.01											
		368	13.11	-136.90	-339.17	-320.58	-155.49	-58.43	4849.43	-4799.47	-3091.40	
3141.37-3682.86											
		367	14.50	-141.18	-319.59	-317.16	-143.62	-20.69	3387.08	-7168.81	-6736.44	
2954.71-2092.15											
316	57	346	10.30	-161.47	-256.50	-253.72	-164.25	-16.01	253.75	-6134.21	-5565.65	-
314.81-1818.98											
		347	8.76	-152.61	-226.96	-223.91	-155.65	-14.73	584.53	-5169.41	-3447.80	-
1137.07-2634.78											
		368	13.37	-138.04	-328.77	-312.33	-154.47	-53.52	4955.16	-5074.97	-3368.04	
3248.24-3769.23											
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3059.59-2179.30											
316	133	346	7.10	-107.13	-169.01	-167.05	-109.09	-10.82	-12.10	-4366.06	-3965.23	-
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		347	6.04	-101.32	-149.40	-147.26	-103.46	-9.92	245.95	-3684.85	-2431.34	-
1007.56-1831.94											
		368	9.27	-91.73	-217.23	-205.96	-103.00	-35.88	3566.30	-3504.71	-2311.39	
2372.98-2648.39											
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2203.49-1500.82											
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1007.74-774.33											
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		368	5.93	-44.12	-105.03	-97.26	-51.89	-20.32	2733.39	-2115.54	-1311.08	
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316	164	346	2.41	15.78	3.02	15.69	3.12	-1.10	-1320.26	-2113.63	-1910.98	-
1522.92-346.00											
		347	2.35	15.15	2.27	15.11	2.31	-0.74	-718.52	-2148.88	-996.07	-
1871.33-565.66											
		368	3.24	17.07	-0.24	16.94	-0.11	-1.49	1974.69	-913.75	-495.20	
1556.14-1016.74											
		367	3.87	14.31	3.47	13.83	3.94	-2.22	1265.76	-2219.90	-2182.38	
1228.25-359.66											
316	175	346	2.52	17.95	2.97	17.67	3.25	2.02	-1176.40	-2174.16	-2005.15	-
1345.41-374.26											
		347	2.32	17.60	-1.28	16.69	-0.37	4.03	-723.08	-2063.57	-1090.72	-
1695.93-598.05											

368	3.65	22.11	-1.38	21.87	-1.14	2.36	2118.74	-1047.85	-648.54	1719.43-1051.19
367	4.29	20.06	4.84	20.06	4.84	-0.02	1434.15	-2375.80	-2335.36	1393.71-390.43
316 227 346	2.33	15.60	4.87	15.57	4.89	-0.49	-1150.92	-2040.65	-1864.47	-1327.10-354.56
347	2.23	15.04	4.35	15.03	4.35	-0.15	-621.98	-1999.17	-940.15	-1681.01-580.47
368	3.43	17.10	1.86	17.03	1.92	-1.01	2207.54	-842.30	-436.48	1801.71-1035.86
367	4.03	14.20	5.42	13.94	5.68	-1.49	1502.34	-2177.63	-2140.77	1465.48-366.48
317 15 349	4.33	-98.78	-203.64	-201.20	-101.21	-15.78	-788.46	-2369.75	-955.47	-2202.75-486.00
350	4.40	-66.63	-187.51	-182.76	-71.39	-23.49	-1765.45	-2009.61	-1933.81	-1841.25112.97
370	5.14	-47.73	-207.65	-193.95	-61.43	-44.76	1593.39	-1379.70	-1374.71	1588.39121.74
369	4.23	-94.52	-213.58	-204.93	-103.17	-30.90	2201.83	1059.68	1071.15	2190.36-113.91
317 57 349	4.46	-97.45	-198.09	-197.34	-98.20	-8.63	-894.29	-2474.72	-1208.62	-2160.38-630.85
350	4.62	-65.93	-181.99	-178.98	-68.94	-18.45	-1875.89	-2198.77	-2196.10	-1878.56-29.22
370	5.49	-49.17	-206.48	-195.64	-60.00	-39.84	1551.96	-1631.86	-1631.44	1551.55-36.40
369	4.07	-95.96	-211.69	-206.53	-101.12	-23.88	2284.81	771.99	823.61	2233.19-274.64
317 133 349	3.07	-64.41	-129.69	-129.25	-64.84	-5.33	-780.58	-1809.00	-878.93	-1710.66-302.44
350	3.26	-42.91	-118.44	-116.57	-44.77	-11.72	-1406.10	-1732.12	-1667.76	-1470.46129.76
370	3.91	-31.90	-134.94	-127.88	-38.95	-26.03	1169.40	-1278.63	-1271.23	1162.00134.37
369	2.89	-63.75	-138.44	-134.94	-67.24	-15.78	1665.69	633.40	633.43	1665.66-5.40
317 158 349	2.94	28.08	11.81	27.51	12.39	3.00	-156.07	-2453.69	-570.72	-2039.04883.62
350	3.22	31.81	14.77	30.68	15.90	4.24	-480.28	-2717.62	-1550.67	-1647.231117.62
370	3.66	29.77	12.44	28.75	13.46	4.08	1452.27	-1891.88	-1397.40	957.801187.05
369	3.23	28.81	11.06	28.80	11.06	0.18	2348.51	-405.77	614.06	1328.691329.98
317 164 349	2.97	18.09	3.91	17.35	4.65	3.15	-134.32	-2442.55	-548.86	-2028.01886.00
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370	3.59	20.39	6.58	19.13	7.85	3.99	1456.80	-1876.58	-1377.05	957.271189.79
369	3.20	20.63	1.20	20.57	1.26	1.06	2356.66	-397.52	632.67	1326.481332.68
317 183 349	3.12	22.31	-5.59	17.59	-0.86	10.46	21.24	-2328.78	-507.91	-1799.62981.59
350	3.28	27.21	0.31	20.71	6.80	11.51	-241.05	-2677.13	-1489.41	-1428.781217.66
370	3.91	27.64	-1.29	20.58	5.77	12.42	1707.28	-1873.43	-1331.49	1165.351283.28
369	3.63	24.77	-7.41	21.58	-4.23	9.61	2607.65	-370.66	680.80	1556.181423.38
317 218 349	2.96	18.20	3.88	17.32	4.77	3.45	-41.97	-2379.23	-483.65	-1937.54915.01
350	3.11	22.07	7.60	20.49	9.18	4.52	-360.05	-2663.51	-1470.63	-1552.931151.00
370	3.65	20.50	7.13	19.07	8.56	4.13	1581.34	-1823.81	-1316.34	1073.871212.63
369	3.32	20.85	0.90	20.73	1.03	1.59	2490.46	-327.25	708.38	1454.831358.52
318 15 350	4.45	-66.11	-182.35	-178.29	-70.17	-21.34	-1826.87	-2067.03	-2042.80	-1851.1072.33

351	4.94	-38.44	-172.24	-162.76	-47.92	-34.33	-1620.35	-2733.98	-2721.23	-1633.11118.50
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370	5.00	-52.53	-200.00	-191.14	-61.39	-35.05	1521.85	-1335.42	-1335.25	1521.6821.92
318 57 350	4.65	-65.26	-176.77	-174.34	-67.69	-16.27	-1873.70	-2293.74	-2283.69	-1883.74-64.16
351	5.17	-38.67	-166.07	-158.90	-45.83	-29.35	-1675.45	-2966.61	-2966.60	-1675.47-4.61
371	5.98	-15.14	-191.14	-173.58	-32.71	-52.76	681.60	-2518.16	-2508.80	672.23-172.84
370	5.23	-52.23	-194.14	-187.42	-58.96	-30.15	1497.38	-1549.16	-1544.37	1492.59-120.80
318 133 350	3.29	-42.44	-114.98	-113.50	-43.92	-10.25	-1440.14	-1770.83	-1735.66	-1475.32101.95
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371	4.25	-8.77	-124.55	-113.25	-20.07	-34.36	493.96	-1943.51	-1943.51	493.96 0.28
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318 158 350	3.20	31.25	14.46	30.04	15.67	4.34	-556.05	-2723.73	-1622.02	-1657.771083.69
351	3.34	33.37	17.96	31.02	20.31	5.54	-789.21	-2839.15	-2204.23	-1424.13947.85
371	3.43	32.30	14.18	28.70	17.77	7.23	620.87	-2331.75	-2052.54	341.66863.96
370	3.50	29.69	13.34	29.17	13.85	2.86	1358.57	-1808.96	-1351.04	900.651113.90
318 164 350	3.11	22.03	7.52	20.50	9.05	4.46	-536.82	-2708.31	-1598.96	-1646.171085.49
351	3.22	23.78	11.58	21.15	14.21	5.02	-772.59	-2820.11	-2180.77	-1411.93948.85
371	3.34	22.41	9.10	18.53	12.99	6.05	625.82	-2314.62	-2032.32	343.52866.25
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371	3.52	28.29	2.20	18.64	11.84	12.59	781.19	-2337.01	-2029.52	473.70929.66
370	3.67	24.99	-0.03	19.66	5.30	10.24	1575.09	-1821.45	-1334.25	1087.881190.56
318 218 350	3.09	22.20	7.71	20.49	9.41	4.67	-435.71	-2669.88	-1542.11	-1563.491117.03
351	3.22	23.76	11.88	21.08	14.55	4.96	-681.83	-2794.89	-2134.64	-1342.08979.39
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372	5.33	3.40	-190.27	-161.49	-25.38	-68.89	270.46	-2250.21	-2250.18	270.43-8.26
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1022.88623.17

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	373	2.37	30.12	-0.84	12.91	16.37	15.38	250.33	-1648.40	-1476.33	
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1189.0022.34											
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63.90-778.13											
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150.35-20.01											
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348	2.51	16.47	3.37	16.29	3.55	1.50	-217.05	-2109.29	-232.49	-2093.86-170.20
379	3.54	15.20	4.30	14.96	4.55	-1.62	3080.48	2233.41	3070.45	2243.4591.65
368	3.46	13.11	1.29	13.06	1.35	0.83	2292.85	-777.09	-190.42	1706.17-1207.01
328 15 348	6.39	-143.44	-247.41	-245.84	-145.01	-12.68	120.14	-3703.24	-948.70	-2634.40-1715.85
349	4.15	-96.44	-205.78	-198.11	-104.11	-27.93	-365.46	-2272.37	-465.41	-2172.41-424.99
369	4.03	-86.27	-221.64	-201.51	-106.40	-48.16	1819.44	955.85	968.44	1806.85-103.50
379	7.17	-99.79	-240.10	-184.23	-155.67	-68.69	5347.31	1701.70	3985.29	3063.72-1763.60
328 35 348	6.44	-139.90	-243.49	-243.37	-140.03	-3.62	93.90	-3852.43	-1184.26	-2574.27-1846.72
349	4.20	-95.71	-199.28	-195.62	-99.37	-19.13	-517.12	-2332.18	-707.17	-2142.13-555.73
369	3.74	-87.93	-214.03	-200.08	-101.88	-39.55	1886.72	662.13	715.21	1833.64-249.38
379	7.15	-104.93	-228.49	-182.64	-150.77	-59.69	5367.86	1506.56	3742.47	3131.95-1906.37
328 112 348	4.40	-95.38	-162.91	-161.90	-96.39	-8.22	-52.08	-2679.37	-666.36	-2065.09-1112.00
349	2.86	-63.79	-134.40	-129.47	-68.71	-17.98	-349.19	-1703.77	-366.87	-1686.09-153.72
369	2.90	-57.15	-146.05	-132.35	-70.84	-32.09	1393.68	671.02	687.62	1377.09108.25
379	5.13	-65.55	-158.46	-120.60	-103.41	-45.65	3856.88	1516.38	3039.93	2333.34-1115.65
328 159 348	3.08	-46.76	-73.86	-73.46	-47.16	-3.23	-356.47	-2294.44	-460.28	-2190.63-436.36
349	2.34	-30.01	-56.73	-54.99	-31.75	-6.59	-280.54	-1849.96	-395.65	-1734.85409.16
369	2.69	-27.01	-66.78	-58.72	-35.07	-15.99	1749.47	87.33	501.30	1335.49718.82
379	4.00	-28.83	-73.46	-51.97	-50.32	-22.30	3089.35	2124.51	2956.46	2257.39-332.50
328 164 348	2.81	15.20	1.85	14.97	2.08	1.75	-226.81	-2343.56	-254.21	-2316.16239.27
349	2.96	20.96	3.76	19.50	5.22	4.79	82.02	-2290.07	-424.43	-1783.61972.04
369	3.19	14.92	0.69	14.92	0.69	0.10	2221.08	-612.19	314.99	1293.901329.39
379	3.50	16.74	2.69	16.66	2.77	1.06	3095.24	1959.21	2873.00	2181.45450.65
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349	3.17	21.04	-4.39	17.32	-0.67	8.99	392.50	-2169.87	-241.31	-1536.061105.59
369	3.59	15.83	-6.12	14.72	-5.00	4.82	2595.32	-492.49	551.86	1550.971460.85
379	3.85	17.73	-5.28	16.25	-3.80	5.64	3430.48	2121.03	3105.87	2445.64565.41
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329 15 354	3.24	13.37	-167.69	-123.53	-30.79	-77.75	678.62	-1158.76	561.79	-1041.93-448.35
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374	4.93	29.19	-150.36	-97.40	-23.78	-81.88	959.98	-1505.42	-412.79	-

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		355	3.04	8.90	-0.26	7.21	1.44	-3.56	1302.01	-1481.04	1288.38	-
1467.40-194.30												
		380	7.52	3.89	-254.32	-191.34	-59.09	-110.89	4288.16	511.36	4242.16	
557.37-414.29												
		374	4.58	31.47	-137.19	-91.73	-13.99	-74.84	869.42	-1441.88	-372.45	-
200.01-1152.43												
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816.72-283.45												
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1208.07-92.92												
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358.04-314.33												
		374	3.51	22.87	-101.46	-64.23	-14.35	-56.94	651.54	-1135.19	-360.84	-
122.82-885.40												
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866.23-83.79												
		355	2.47	11.73	-0.64	2.64	8.46	-5.46	995.47	-1247.96	994.54	-
1247.0345.63												
		380	4.67	4.88	-87.65	-63.41	-19.36	-40.68	3297.29	307.62	3286.00	
318.91-183.42												
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190.36-701.18												
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915.73115.88												
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1285.99184.17												
		380	3.93	8.25	2.70	3.84	7.11	-2.25	3327.91	278.88	3327.01	
279.79-52.51												
		374	1.66	26.16	-9.66	5.28	11.22	-17.66	101.42	-1001.64	-642.32	-
257.90-516.95												
329	174	354	2.18	42.59	-11.03	-1.26	32.82	-20.70	537.57	-941.06	519.57	-
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225.26-19.84												
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259.66-488.05												
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1270.15201.64												
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		396	8.89	-0.97	-211.31	-187.30	-24.98	-66.89	4150.72	-1782.75	-1242.88
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		395	11.02	-98.25	-228.11	-219.12	-107.24	-32.96	9183.34	1515.54	2146.45
8552.43-2107.05											
339	122	369	3.36	-52.96	-135.11	-131.01	-57.06	-17.89	2200.01	489.46	618.40
2071.08451.58											
		370	4.21	-35.46	-134.27	-130.45	-39.28	-19.06	1464.24	-1306.57	-1299.44
1457.11140.40											
		396	6.39	-0.11	-138.29	-122.34	-16.05	-44.14	3068.71	-1354.75	-1033.85
2747.81-1147.39											
		395	8.14	-65.13	-150.59	-144.39	-71.33	-22.16	6853.81	1189.21	1551.93
6491.09-1386.76											
339	159	369	3.48	-25.27	-56.47	-54.66	-27.08	-7.30	2544.91	-7.24	707.75
1829.921146.10											
		370	3.59	-15.20	-57.14	-55.30	-17.04	-8.59	1585.08	-1449.95	-1278.84
1413.97700.03											
		396	5.05	1.93	-61.08	-52.64	-6.51	-21.46	2768.75	-1300.34	-1219.17
2687.58-568.93											
		395	7.20	-31.34	-71.29	-66.77	-35.86	-12.65	6231.55	1227.95	1296.04
6163.46-579.71											
339	164	369	4.24	22.28	3.15	21.08	4.35	4.63	2983.72	-667.94	638.12
1677.661750.28											
		370	3.88	20.29	5.40	19.31	6.39	3.71	1734.61	-1860.07	-1418.95
1293.501179.44											
		396	4.55	19.66	3.77	18.91	4.53	3.39	2555.66	-1540.75	-1539.44
2554.35-73.37											
		395	6.82	12.82	1.07	12.65	1.24	-1.42	5924.66	903.60	907.21
5921.05134.54											
339	183	369	4.82	25.54	-4.82	22.10	-1.39	9.62	3561.81	-438.48	768.51
2354.821836.16											
		370	4.26	26.12	3.49	21.38	8.23	9.21	2214.90	-1748.56	-1316.59
1782.931235.11											
		396	5.10	29.43	-0.23	22.52	6.68	12.54	3028.84	-1522.90	-1519.26
3025.20-128.62											
		395	7.68	17.28	-6.67	14.84	-4.24	7.24	6581.72	946.70	951.27
6577.16160.33											
339	227	369	4.34	22.08	5.60	20.58	7.09	4.74	3145.66	-516.50	718.55
1910.611731.35											
		370	3.92	20.55	7.19	18.58	9.16	4.74	1910.59	-1764.04	-1355.22
1501.761155.48											
		396	4.78	20.44	8.25	19.42	9.27	3.37	2869.00	-1473.09	-1469.03
2864.94-132.74											
		395	7.19	13.24	2.28	13.19	2.33	0.74	6274.92	992.01	993.67
6273.2693.59											
340	15	370	5.38	-43.76	-197.77	-189.70	-51.82	-34.31	1818.24	-1415.52	-1413.41
1816.1382.65											
		371	5.89	-15.95	-192.50	-178.94	-29.52	-47.02	842.86	-2335.97	-2334.94
841.82-57.27											
		397	7.07	16.46	-197.09	-165.46	-15.17	-75.86	2268.35	-1906.23	-1676.01
2038.14-952.91											
		396	8.27	-25.86	-208.35	-189.88	-44.33	-55.04	4467.61	-1194.75	-726.68
3999.54-1559.26											
340	35	370	5.52	-42.26	-192.30	-185.30	-49.26	-31.65	1705.65	-1616.41	-1616.23
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		371	6.04	-15.51	-186.57	-174.63	-27.46	-43.60	748.07	-2546.72	-2539.95
741.30-149.14											
		397	7.16	17.29	-188.95	-158.99	-12.67	-72.67	2212.41	-2106.32	-1835.25

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341 133 371 4.22 -5.56 -116.86 -108.00 -14.42 -30.12 548.79 -1933.34 -1933.28
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	397	3.77	6.89	-48.07	-40.84	-0.34	-18.57	1499.85	-1506.47	-1495.57
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341 164	371	3.39	22.63	8.92	18.30	13.25	6.37	705.80	-2313.05	-2035.20
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	398	3.12	30.01	4.69	23.50	11.20	11.07	981.23	-1825.89	-1710.71
866.05556.83										
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392.91783.30										
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242.13731.38										
	398	3.20	30.83	6.77	24.11	13.49	10.79	1134.75	-1772.40	-1690.73
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1647.39164.72										
342 15	372	5.29	1.70	-177.31	-156.36	-19.25	-57.56	363.78	-2271.21	-2271.19
363.76 6.84										
	373	4.56	5.09	-174.37	-150.72	-18.56	-60.70	307.44	-1618.73	-1604.36
293.07-165.75										
	399	4.90	3.43	-183.38	-144.25	-35.71	-76.02	1317.97	-1493.81	-1493.65
1317.8021.47										
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1278.69-364.43										
342 57	372	5.38	3.82	-167.61	-146.74	-17.05	-56.05	283.76	-2458.75	-2456.50
281.51-78.46										
	373	4.66	7.02	-165.08	-141.28	-16.78	-59.40	223.65	-1827.18	-1798.25
194.72-241.86										
	399	4.91	7.58	-169.81	-129.19	-33.04	-74.53	1225.90	-1663.54	-1661.85
1224.21-69.83										
	398	5.65	26.45	-157.90	-128.32	-3.13	-67.66	1268.45	-1931.25	-1862.08
1199.28-465.33										
342 133	372	3.84	4.01	-108.83	-95.70	-9.12	-36.18	206.87	-1903.00	-1901.70
205.5652.38										
	373	3.26	5.44	-106.99	-92.42	-9.12	-37.75	154.22	-1401.41	-1395.94
148.75-92.09										
	399	3.49	4.61	-108.84	-83.24	-20.99	-47.42	945.41	-1323.19	-1322.04
944.2651.08										
	398	3.98	18.35	-101.32	-82.43	-0.54	-43.63	936.84	-1490.38	-1467.61
914.06-234.04										
342 158	372	3.08	33.96	12.85	25.62	21.19	10.32	387.24	-2256.65	-1999.11
129.70783.96										
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133.93518.67										
	399	3.24	44.32	-0.35	32.07	11.90	19.93	1147.23	-1813.77	-1622.81
956.28727.29										
	398	3.22	38.68	8.31	32.96	14.03	11.88	978.38	-1833.05	-1713.63
858.96566.99										
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134.17785.13										
	373	2.35	28.28	0.39	13.22	15.45	13.90	293.79	-1630.09	-1478.30
142.01518.64										
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960.87732.26										
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859.07571.39										

342	187	372	3.36	27.99	11.05	20.91	18.14	8.35	640.48	-2342.76	-2104.05
401.77809.42											
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338.08543.93											
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1157.85689.53											
		398	3.56	36.36	10.67	33.14	13.89	8.51	1218.20	-1907.67	-1816.67
1127.20525.54											
342	208	372	3.13	26.38	6.89	15.42	17.85	9.66	393.48	-2272.31	-2029.11
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		373	2.42	29.34	-0.32	12.65	16.36	14.71	285.25	-1681.60	-1542.38
146.03504.41											
		399	3.27	34.81	-3.68	22.72	8.41	17.86	1152.26	-1842.26	-1664.60
974.61707.41											
		398	3.15	31.32	5.22	24.08	12.46	11.68	997.93	-1844.32	-1736.48
890.10543.02											
343	15	373	4.60	5.64	-196.26	-151.91	-38.71	-83.59	427.36	-1552.70	-1551.41
426.08-50.37											
		374	3.61	-45.55	-131.35	-130.38	-46.51	-9.04	1144.55	-1395.24	-465.19
214.49-1223.58											
		400	6.49	-36.85	-273.69	-142.17	-168.37	-117.69	2875.78	-1272.81	-1271.11
2874.0884.07											
		399	5.00	36.05	-148.54	-138.21	25.71	-42.44	1122.46	-1479.59	-1479.55
1122.4210.43											
343	57	373	4.68	9.35	-184.18	-138.45	-36.38	-82.21	327.27	-1789.48	-1783.96
321.74-107.96											
		374	3.68	-40.37	-118.28	-117.56	-41.09	-7.46	966.41	-1650.28	-714.20
30.34-1254.26											
		400	6.35	-27.78	-259.85	-124.65	-162.98	-114.44	2714.90	-1448.95	-1448.74
2714.6929.81											
		399	4.94	38.37	-129.51	-120.07	28.93	-38.68	1044.77	-1648.40	-1645.89
1042.27-82.07											
343	112	373	3.19	4.21	-127.61	-99.52	-23.88	-53.97	319.51	-1227.48	-1225.96
317.9948.43											
		374	2.50	-29.72	-85.31	-85.21	-29.82	-2.35	804.68	-1043.56	-395.12
156.24-882.05											
		400	4.83	-26.84	-179.20	-91.88	-114.16	-75.36	2218.87	-1062.94	-1057.74
2213.67130.52											
		399	3.61	24.53	-95.43	-89.44	18.54	-26.13	860.46	-1205.51	-1200.25
855.20104.10											
343	161	373	2.48	29.02	2.10	16.14	14.98	13.44	421.22	-1679.19	-1489.33
231.36602.28											
		374	2.04	41.03	-15.22	15.68	10.12	27.99	311.57	-945.95	-692.77
58.39-504.26											
		400	4.57	37.05	-24.57	25.60	-13.12	23.97	2273.50	-1693.77	-1617.00
2196.73546.52											
		399	3.10	35.98	-0.51	24.24	11.23	17.04	975.67	-1832.70	-1641.10
784.07708.07											
343	164	373	2.49	26.96	0.65	13.15	14.46	13.14	454.48	-1637.60	-1437.66
254.54615.08											
		374	1.99	38.58	-16.83	12.83	8.92	27.64	349.93	-888.05	-637.44
99.32-497.44											
		400	4.54	33.10	-25.71	21.71	-14.32	23.24	2312.36	-1657.73	-1577.52
2232.15558.57											
		399	3.13	32.28	-1.56	20.21	10.51	16.21	1005.34	-1807.59	-1604.14
801.89728.63											
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441.30629.90											
		374	2.35	37.64	-21.11	19.22	-2.69	27.26	479.18	-1047.12	-827.91
259.98-535.28											
		400	5.24	36.41	-31.10	30.87	-25.56	18.53	2436.66	-1925.81	-1864.66
2375.51512.85											
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971.42687.42											
343	227	373	2.54	26.71	0.92	12.93	14.70	12.86	506.67	-1648.75	-1473.99
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403 2.46 -0.62 -11.28 -0.64 -11.26 0.44 1908.98 47.77 48.22
1908.5428.77
402 3.41 1.17 -26.41 1.15 -26.39 0.76 2254.92 -399.19 -386.01
2241.74186.57
344 181 375 3.85 9.30 -15.22 4.15 -10.07 -9.99 1709.85 -1667.34 -202.04
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376 1.01 1.17 -20.39 1.07 -20.28 1.47 629.16 14.44 83.22
560.38193.78
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2044.7285.54
402 3.83 -0.05 -40.03 -0.22 -39.86 2.59 2402.47 -489.59 -465.81
2378.70261.13
344 223 375 3.68 13.75 -8.30 3.32 2.13 -11.01 1538.39 -1677.14 -238.44
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376 0.70 -0.23 -11.89 -0.32 -11.80 1.05 465.45 11.34 56.38
420.41135.73
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1943.4525.72
402 3.50 0.82 -29.80 0.74 -29.73 1.52 2289.49 -402.05 -391.72
2279.17166.36
345 5 359 8.06 58.50 -34.81 0.70 22.98 -45.30 4399.77 -1947.66 630.65
1821.45-3117.37
377 6.84 15.89 -10.73 -10.05 15.21 4.19 3699.42 -2437.26 2692.45 -
1430.29-2272.76
383 17.00 46.76 -19.37 -13.49 40.87 -18.83 1.514e+04 1.114e+04 1.259e+04
1.368e+04-1925.52
382 7.76 3.66 -49.40 -5.85 -39.89 -20.35 2734.51 -4249.13 -4173.89
2659.27-720.96
345 51 359 7.56 51.56 -32.08 6.83 12.65 -41.72 4705.81 -1098.27 1406.43
2201.12-2874.71

377	6.83	34.48	-5.70	-2.24	31.01	11.29	4315.34	-1496.76	3500.53	-681.95-2017.88
383	17.80	58.16	2.99	3.81	57.34	-6.68	1.547e+04	1.219e+04	1.340e+04	1.427e+04-1581.55
382	7.43	11.47	-53.52	8.55	-50.60	-13.47	3070.73	-3281.03	-3250.58	3040.28-438.71
345 130 359	5.83	39.05	-25.55	3.88	9.63	-32.17	3580.39	-923.99	1003.22	1653.18-2228.62
377	5.22	23.04	-4.81	-2.70	20.93	7.37	3250.36	-1240.90	2608.14	-598.68-1572.24
383	13.56	41.15	0.51	1.47	40.20	-6.16	1.184e+04	9255.18	1.020e+04	1.089e+04-1247.63
382	5.75	7.68	-41.27	5.21	-38.80	-10.72	2324.18	-2614.04	-2586.99	2297.13-364.51
345 161 359	5.95	34.49	-31.18	-4.25	7.57	-32.30	3377.06	-1333.30	596.14	1447.62-2316.38
377	5.03	4.08	-8.06	-8.06	4.07	-0.24	2893.31	-1705.65	2169.16	-981.50-1675.10
383	12.88	21.63	-10.38	-5.76	17.01	-11.25	1.153e+04	8609.78	9681.69	1.046e+04-1409.38
382	5.95	1.83	-43.12	-1.78	-39.51	-12.21	2132.06	-3082.75	-3033.16	2082.47-506.08
345 164 359	6.00	35.36	-31.47	-5.06	8.94	-32.67	3326.71	-1441.42	492.04	1393.25-2341.09
377	5.03	2.09	-9.20	-9.07	1.97	-1.18	2804.40	-1826.37	2058.37	-1080.33-1702.39
383	12.75	20.51	-13.80	-8.06	14.77	-12.81	1.146e+04	8454.74	9556.23	1.036e+04-1449.49
382	5.98	0.73	-42.41	-3.70	-37.97	-13.10	2082.85	-3205.28	-3149.49	2027.07-540.26
345 179 359	5.93	31.25	-34.21	-3.79	0.83	-32.65	3548.02	-1107.75	809.41	1630.87-2291.36
377	4.96	3.10	-7.28	-7.28	3.10	0.12	3115.10	-1361.76	2403.77	-650.43-1636.62
383	13.21	20.37	-7.84	-3.61	16.14	-10.07	1.175e+04	9018.89	9975.90	1.080e+04-1304.67
382	5.95	2.73	-49.56	-0.13	-46.69	-11.90	2301.61	-2805.35	-2770.06	2266.31-423.09
345 201 359	5.84	36.45	-29.09	-2.87	10.22	-32.11	3361.73	-1229.39	694.62	1437.72-2265.29
377	5.03	2.44	-8.61	-7.99	1.83	-2.54	2924.10	-1716.94	2257.46	-1050.30-1627.73
383	12.90	18.85	-10.47	-6.13	14.51	-10.41	1.154e+04	8715.46	9776.30	1.048e+04-1369.05
382	5.92	2.57	-43.30	-2.25	-38.47	-14.07	2104.33	-3096.16	-3060.34	2068.51-430.14
346 15 377	7.20	1.60	-192.62	-132.61	-58.41	-89.74	2465.09	-2044.69	1903.82	-1483.431488.68
360	10.54	86.80	-267.27	-145.24	-35.23	168.27	4502.44	-1291.91	913.72	2296.812813.43
384	8.52	-79.92	-192.50	-164.25	-108.17	-48.81	4940.32	-2336.43	-1961.90	4565.791607.81
383	16.92	129.02	-391.33	-217.49	-44.81	245.43	1.393e+04	8762.60	1.047e+04	1.222e+042428.59
346 35 377	7.71	-13.02	-199.78	-143.36	-69.44	-85.75	3082.12	-1750.73	2303.99	-972.601776.25
360	11.24	80.33	-277.88	-156.20	-41.35	169.65	5191.43	-1200.53	1295.15	2695.753118.32
384	8.97	-91.15	-205.08	-181.62	-114.61	-46.06	5469.12	-2017.55	-1518.51	4970.081867.38
383	17.64	119.88	-411.05	-235.24	-55.92	249.87	1.465e+04	9023.87	1.094e+04	1.274e+042665.83
346 126 377	4.05	1.56	-5.15	-4.67	1.09	1.73	2782.87	-784.07	2778.35	-779.55-126.87
360	3.54	8.89	-14.52	-7.98	2.35	-10.51	3162.81	1309.45	2040.71	2431.55905.84
384	5.86	7.32	-22.59	-22.58	7.30	0.72	4104.88	-769.78	-762.08	4097.19-193.54
383	13.32	0.53	-38.97	-25.64	-12.80	-18.68	1.133e+04	9713.74	1.013e+04	

1.091e+04708.26
346 161 377 3.90 8.68 4.70 5.41 7.97 -1.52 2348.45 -1269.11 2319.46 -
1240.12-322.54
360 2.84 15.01 -6.18 3.27 5.56 -10.53 2584.57 1109.40 1602.90
2091.06696.03
384 5.74 9.98 -2.51 -2.51 9.98 -0.20 3778.53 -1277.83 -1252.84
3753.54-354.59
383 12.52 14.19 -26.87 -5.89 -6.78 -20.531.074e+04 9328.03 9613.71
1.045e+04566.17
346 164 377 3.90 11.31 6.31 7.93 9.69 -2.33 2243.08 -1393.61 2204.74 -
1355.27-371.46
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2005.94643.58
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3667.63-394.85
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389 22.28 -154.43 -361.24 -335.64 -180.03 68.111.888e+04 8914.75 9218.94
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388 18.76 -79.07 -332.20 -278.42 -132.85 103.54 8530.06 -6340.03 -5211.92
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389 22.59 -148.85 -359.29 -330.79 -177.35 72.011.920e+04 9274.92 9628.78
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1.430e+041106.63
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2682.98-555.08
378 1.10 -48.86 -70.51 -69.94 -49.42 -3.46 157.77 -376.12 134.49 -
352.84109.03
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1.358e+0459.72
388 9.67 -31.13 -108.74 -91.41 -48.47 32.32 5843.54 -2488.51 -2280.31
5635.351300.53
347 164 364 4.29 10.56 -0.12 8.32 2.13 -4.35 3603.71 426.41 1555.55
2474.57-1520.74
378 2.69 7.69 -4.35 6.54 -3.20 -3.55 1558.13 -793.04 1266.22 -
501.13-775.31

389	14.69	3.20	2.66	2.91	2.96	-0.27	1.329e+04	9905.32	1.017e+04	1.303e+04
-903.18										
388	7.63	3.81	-8.72	2.47	-7.39	-3.87	5590.71	-958.31	-958.24	5590.64
-21.02										
347 195 364	4.96	9.61	-8.79	5.35	-4.53	-7.76	4322.15	862.77	1948.43	3236.49
-1605.32										
378	2.78	5.98	-15.23	3.12	-12.37	-7.24	2087.76	-44.06	1670.69	373.02
-845.68										
389	15.60	2.02	-9.21	-1.60	-5.59	-5.25	1.416e+04	1.040e+04	1.067e+04	1.389e+04
-963.41										
388	8.29	2.74	-18.29	-1.54	-14.01	-8.46	6364.10	-475.51	-474.47	6363.06
-84.30										
347 227 364	4.44	12.05	-0.08	7.81	4.17	-5.79	3767.16	597.57	1661.33	2703.40
-1496.70										
378	2.59	7.23	-3.85	5.95	-2.57	-3.55	1650.89	-570.36	1361.06	-280.52
-748.19										
389	15.01	6.00	1.60	3.15	4.45	-2.10	1.358e+04	1.006e+04	1.030e+04	1.334e+04
-884.88										
388	7.92	3.61	-8.09	2.59	-7.07	-3.30	5892.46	-860.77	-860.76	5892.46
6.88										
348 15 378	6.93	-146.61	-303.69	-295.26	-155.05	-35.41	2610.49	-2659.76	-895.53	846.27
2487.05										
365	14.25	-166.20	-332.64	-308.36	-190.48	58.75	6487.58	-4835.34	-3982.29	5634.53
2988.53										
390	22.73	-140.91	-443.81	-426.30	-158.43	-70.70	5969.07	-1.120e+04	-1.119e+04	5954.93
492.53										
389	21.89	-94.08	-511.29	-445.34	-160.02	152.20	1.922e+04	6872.81	7851.48	1.824e+04
3335.43										
348 35 378	7.31	-151.32	-309.32	-302.61	-158.03	-31.87	3008.05	-2577.62	-697.18	1127.61
2639.59										
365	14.53	-167.76	-340.28	-316.22	-191.82	59.76	6806.95	-4731.94	-3786.72	5861.73
3164.39										
390	22.79	-144.10	-456.04	-439.37	-160.78	-70.17	6215.96	-1.098e+04	-1.095e+04	6189.31
676.31										
389	22.32	-96.83	-525.29	-458.52	-163.60	155.40	1.960e+04	7035.11	8096.76	1.854e+04
3494.48										
348 122 378	5.05	-101.21	-205.02	-200.47	-105.77	-21.26	2142.75	-1568.43	-137.24	711.571
806.40										
365	10.18	-111.77	-225.32	-209.35	-127.74	39.48	5030.29	-3186.73	-2450.91	4294.462
346.24										
390	16.11	-96.47	-303.16	-291.96	-107.66	-46.79	4669.54	-7732.25	-7714.81	4652.09
464.82										
389	16.72	-65.28	-348.93	-305.15	-109.06	102.48	1.474e+04	5959.86	6707.24	1.399e+04
2450.14										
348 159 378	3.41	-50.16	-96.30	-93.02	-53.44	-11.86	1741.17	-536.27	1093.54	111.361
027.38										
365	7.03	-55.08	-104.38	-96.54	-62.91	18.03	4278.54	-1771.89	-1014.74	3521.392
001.95										
390	11.53	-48.62	-144.28	-138.05	-54.84	-23.59	4225.14	-5498.47	-5493.33	4220.00
223.46										
389	15.13	-34.42	-165.10	-146.21	-53.31	45.95	1.352e+04	7687.95	8182.11	1.302e+04
1623.90										
348 164 378	3.45	9.53	-3.10	9.53	-3.10	-0.10	2500.30	-345.03	2456.57	-301.29
350.05										
365	5.06	11.72	0.32	11.02	1.02	-2.74	3853.83	-402.23	551.80	2899.80
1774.89										
390	7.64	7.14	-3.59	7.14	-3.59	-0.04	3945.71	-3115.29	-3113.74	3944.16
104.61										
389	13.90	10.65	-6.66	3.94	0.05	-8.44	1.255e+04	9521.68	9820.49	1.225e+04
903.68										
348 195 378	3.45	6.05	-13.75	5.98	-13.68	-1.18	2891.79	442.68	2815.56	518.914
25.31										
365	5.72	9.53	-3.06	8.06	-1.59	-4.04	4542.46	-76.63	890.07	3575.76
1879.04										
390	7.97	0.99	-6.29	0.69	-5.99	1.45	4639.94	-2707.74	-2701.51	4633.71
213.90										
389	14.86	0.44	-14.91	-2.30	-12.17	-5.87	1.331e+04	1.007e+04	1.029e+04	1.309e+04
4814.28										
348 227 378	3.41	10.41	-2.00	10.30	-1.88	-1.20	2598.47	-123.86	2549.77	-2.00

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365 5.24 11.26 0.94 10.67 1.53 -2.40 4061.53 -312.72 613.68
3135.131787.20
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4185.50104.24
389 14.21 8.63 -6.76 2.41 -0.54 -7.55 1.285e+04 9668.93 9950.99
1.257e+04 903.99
349 15 368 14.97 -125.57 -345.68 -307.40 -163.85 -83.43 7611.29 -3902.73 -1796.22
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206.85 -2765.98
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1.835e+04 -4288.13
393 19.51 -138.37 -394.73 -378.13 -154.97 63.09 6894.77 -8790.60 -8333.77
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349 35 368 15.31 -122.53 -336.10 -297.22 -161.41 -82.42 7721.38 -4188.46 -2111.16
5644.08 -4519.41
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372.63 -2851.81
394 23.80 -30.89 -494.09 -395.67 -129.31 -189.48 2.103e+04 1.079e+04 1.329e+04
1.853e+04 -4400.83
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349 159 368 7.52 -37.37 -109.10 -94.44 -52.03 -28.93 4742.24 -1451.76 -276.69
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394 16.03 -8.48 -163.07 -129.82 -41.73 -63.52 1.428e+04 9316.69 1.029e+04
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394 14.45 13.87 3.82 13.67 4.01 1.40 1.300e+04 9773.96 1.008e+04
1.269e+04 -948.86
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420.13 -202.17
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1.352e+04 -806.28
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1.308e+04 -949.27
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395 11.92 -29.47 -254.55 -212.06 -71.97 -88.09 8015.86 -486.85 32.82
7496.19 -2036.81

394	23.82	-135.00	-290.34	-242.57	-182.77	-71.68	1.905e+04	1.457e+04	1.517e+04	1.845e+04	-1523.20
350 35 379	5.58	-98.32	-209.82	-209.42	-98.72	6.67	2267.88	-1205.20	1668.19	-605.52	-1312.68
369	5.98	-110.45	-207.77	-196.82	-121.40	-30.76	3418.75	2382.82	2460.19	3341.38	272.33
395	12.46	-30.67	-254.82	-215.94	-69.55	-84.88	8191.54	-831.11	-243.30	7603.73	-2226.67
394	23.87	-141.69	-290.43	-247.17	-184.95	-67.55	1.925e+04	1.422e+04	1.489e+04	1.857e+04	-1713.59
350 122 379	3.80	-65.19	-137.71	-137.37	-65.53	4.98	1574.60	-750.45	1293.40	-469.25	-758.11
369	4.42	-72.98	-136.28	-128.99	-80.27	-20.22	2757.12	1665.24	1851.98	2570.38	411.13
395	9.13	-20.54	-167.92	-141.99	-46.47	-56.12	6149.38	-642.72	-301.90	5808.56	-1482.81
394	17.86	-93.36	-192.95	-163.12	-123.18	-45.61	1.450e+04	1.100e+04	1.132e+04	1.417e+04	-1017.10
350 159 379	2.69	-30.34	-60.03	-59.57	-30.79	3.65	1422.13	-531.64	1414.61	-524.12	120.97
369	4.33	-34.15	-59.90	-55.59	-38.46	-9.61	3409.71	1027.55	1810.82	2626.44	1119.09
395	7.78	-10.09	-76.68	-62.33	-24.44	-27.37	5712.91	-654.52	-582.79	5641.19	-671.97
394	16.36	-39.91	-94.33	-73.83	-60.41	-26.37	1.376e+04	1.097e+04	1.097e+04	1.376e+04	24.75
350 164 379	2.98	17.86	1.08	16.84	2.10	4.01	1709.40	-841.65	1359.53	-491.78	877.57
369	4.67	17.10	4.57	16.72	4.95	2.14	3870.32	289.47	1588.85	2570.94	1721.77
395	7.66	15.50	-1.54	14.74	-0.79	3.51	5545.53	-1047.79	-1047.77	5545.51	12.29
394	15.14	13.88	-0.57	12.41	0.90	-4.37	1.370e+04	1.017e+04	1.044e+04	1.343e+04	939.68
350 185 379	3.13	17.39	-9.73	14.97	-7.31	7.72	2233.89	-140.86	1706.93	386.09	986.76
369	5.41	19.67	-3.02	17.66	-1.01	6.43	4585.78	627.08	1914.65	3298.21	1854.53
395	8.30	16.71	-9.94	13.12	-6.35	9.10	6276.46	-639.49	-638.46	6275.43	84.50
394	15.98	10.72	-7.42	10.63	-7.33	1.29	1.455e+04	1.061e+04	1.088e+04	1.428e+04	987.90
350 223 379	2.90	17.51	2.79	16.56	3.74	3.62	1822.08	-611.38	1470.17	-259.47	855.87
369	4.83	17.46	6.29	16.35	7.40	3.34	4041.85	458.63	1700.28	2800.21	1705.11
395	7.97	15.70	0.70	15.34	1.06	2.28	5887.77	-941.07	-940.91	5887.61	-33.11
394	15.53	13.21	2.72	12.70	3.23	-2.24	1.406e+04	1.036e+04	1.060e+04	1.381e+04	913.91
351 15 374	7.74	64.22	-260.28	-147.55	-48.50	-154.51	2767.97	-754.93	667.49	1345.54	-1728.52
380	8.00	8.54	-203.22	-105.44	-89.24	105.57	3177.72	-2836.58	2992.73	-2651.59	-1038.44
401	18.48	77.54	-396.78	-227.14	-92.10	-227.35	1.435e+04	1.156e+04	1.321e+04	1.271e+04	-1370.31
400	7.95	-45.44	-187.55	-131.03	-101.95	69.55	2124.68	-4344.13	-4341.50	2122.05	-130.51
351 79 374	7.26	67.88	-239.92	-141.65	-30.40	-143.50	2448.76	-863.89	608.56	976.30	-1646.09
380	8.58	33.32	-195.52	-101.36	-60.84	112.61	3079.77	-3328.14	2915.35	-3163.72	-1013.18
401	17.97	77.99	-384.48	-238.95	-67.54	-214.77	1.403e+04	1.110e+04	1.296e+04	1.218e+04	-1412.66
400	8.33	-25.02	-205.61	-143.88	-86.76	85.66	1734.06	-4554.18	-4552.56	1732.43	-101.11
351 112 374	5.50	46.46	-174.87	-97.65	-30.76	-105.49	2051.96	-554.07	477.35	1020.54	-1274.39
380	5.94	5.71	-134.51	-70.18	-58.61	69.87	2436.24	-2202.09	2307.13	-2	

2072.98-763.01
401 13.96 50.83 -262.79 -150.55 -61.41 -150.34 1.107e+04 8983.91 1.021e+04
9839.41-1025.40
400 6.09 -31.68 -123.53 -85.02 -70.18 45.32 1612.68 -3464.04 -3463.84
1612.49-31.48
351 159 374 4.03 36.91 -92.53 -46.15 -9.47 -62.07 1803.75 -470.33 359.98
973.44-1094.88
380 5.38 2.98 -63.65 -34.68 -25.99 33.03 2414.48 -2272.21 2323.48 -
2181.22-646.68
401 13.28 22.16 -124.88 -72.00 -30.72 -70.56 1.117e+04 9272.06 1.039e+04
1.005e+04-932.15
400 6.02 -19.22 -57.95 -33.76 -43.41 18.75 1554.78 -3874.41 -3867.58
1547.94192.49
351 164 374 2.67 27.51 -10.34 5.36 11.81 -18.64 1561.60 -392.65 242.62
926.33-915.37
380 5.09 8.52 -1.07 0.82 6.63 -3.81 2399.82 -2349.43 2339.84 -
2289.45-530.34
401 12.90 13.04 -6.53 6.55 -0.04 9.21 1.126e+04 9560.19 1.056e+04
1.027e+04-838.91
400 6.83 19.21 -18.35 17.50 -16.64 -7.82 1513.38 -4301.29 -4271.31
1483.40416.46
351 177 374 2.79 22.30 -22.13 -6.05 6.22 -21.35 1727.36 -237.72 394.22
1095.42-917.86
380 4.94 2.99 -13.82 -8.82 -2.00 -7.68 2558.16 -2044.62 2502.94 -
1989.40-501.09
401 13.43 -3.44 -18.56 -14.57 -7.42 6.66 1.151e+04 9957.87 1.089e+04
1.058e+04-762.75
400 6.44 -2.17 -24.32 -3.34 -23.15 -4.94 1709.19 -4008.32 -3974.97
1675.84435.39
351 209 374 2.68 28.05 -11.09 5.95 11.01 -19.40 1588.87 -353.14 284.19
951.54-911.87
380 5.16 7.33 1.08 2.44 5.97 -2.57 2497.85 -2341.45 2440.69 -
2284.30-522.81
401 13.03 10.21 -5.82 4.53 -0.14 7.67 1.139e+04 9677.79 1.071e+04
1.036e+04-836.88
400 6.82 18.39 -19.17 16.98 -17.76 -7.14 1545.32 -4265.63 -4234.89
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352 7 380 7.79 37.22 -2.25 9.04 25.93 -17.84 3832.78 -3141.37 3472.45 -
2781.041543.74
375 6.60 43.11 -12.05 7.92 23.15 26.51 4199.47 -1062.14 1439.23
1698.092627.62
402 6.63 7.52 -23.12 -0.83 -14.78 13.64 1987.70 -4066.20 -4006.55
1928.05597.93
401 17.20 45.16 -16.49 -14.52 43.19 10.86 1.539e+04 1.137e+04 1.357e+04
1.320e+042004.21
352 91 380 8.15 52.04 3.29 10.84 44.49 -17.64 3632.09 -3516.37 3305.63 -
3189.921492.34
375 6.30 50.35 -6.28 8.80 35.27 25.03 3914.26 -1110.87 1302.73
1500.662510.61
402 6.70 9.85 -10.67 2.09 -2.90 9.95 1761.19 -4356.82 -4306.04
1710.42555.05
401 16.88 62.04 -10.98 -10.45 61.51 6.24 1.504e+04 1.092e+04 1.321e+04
1.276e+042047.06
352 108 380 5.95 26.10 -1.71 6.63 17.76 -12.74 2947.11 -2411.09 2670.39 -
2134.361185.81
375 5.05 31.01 -10.15 4.82 16.03 19.80 3230.17 -812.98 1107.47
1309.722019.05
402 5.12 5.06 -18.60 -0.54 -13.00 10.06 1532.28 -3124.62 -3078.64
1486.30460.45
401 13.20 31.00 -11.94 -10.45 29.51 7.86 1.184e+04 8741.48 1.043e+04
1.015e+041540.69
352 158 380 5.80 17.92 -1.76 5.50 10.66 -9.49 2930.00 -2385.56 2658.06 -
2113.621171.14
375 4.95 24.02 -12.97 0.72 10.33 17.86 3214.10 -795.42 1103.22
1315.462001.95
402 5.17 3.24 -21.71 -0.24 -18.24 8.64 1537.35 -3104.61 -3059.08
1491.82457.47
401 13.06 18.85 -9.53 -8.11 17.44 6.18 1.178e+04 8706.72 1.038e+04
1.010e+041527.82

352	164	380	5.70	10.42	-2.31	4.53	3.57	-6.35	2939.43	-2376.30	2665.64	-2102.521174.91
		375	4.90	17.04	-15.93	-3.41	4.52	16.00	3228.98	-786.69	1109.88	1332.412004.75
		402	5.25	2.14	-25.68	0.11	-23.65	7.24	1553.60	-3103.69	-3057.04	1506.95463.76
		401	13.00	7.04	-7.45	-5.77	5.37	4.63	1.180e+04	8717.91	1.040e+04	1.012e+041534.14
352	181	380	5.69	4.53	-20.09	2.74	-18.30	-6.39	3164.01	-2026.20	2835.95	-1698.151262.96
		375	5.22	10.15	-22.46	-3.69	-8.61	16.12	3546.06	-765.76	1249.72	1530.582151.34
		402	5.28	1.12	-39.78	-1.98	-36.68	10.82	1784.99	-2835.57	-2772.47	1721.89536.26
		401	13.56	-3.00	-23.22	-9.48	-16.74	9.43	1.218e+04	9109.49	1.073e+04	1.055e+041531.85
352	206	380	5.79	9.53	-0.43	5.71	3.39	-4.85	3047.84	-2379.20	2763.91	-2095.281208.42
		375	4.98	18.51	-13.45	-1.07	6.12	15.57	3345.07	-721.67	1251.12	1372.292032.47
		402	5.24	4.45	-26.53	1.89	-23.97	8.52	1573.38	-3054.38	-3006.64	1525.64467.60
		401	13.17	6.26	-3.84	-3.06	5.47	2.71	1.195e+04	8798.17	1.054e+04	1.021e+041569.28
353	15	381	4.59	-0.73	-65.35	-1.55	-64.52	7.25	3060.80	87.69	98.94	3049.55182.53
		382	5.68	62.15	-8.27	5.28	48.60	-27.76	3890.49	-1011.90	-467.07	3345.661540.82
		405	5.09	16.52	-64.63	2.60	-50.71	30.60	3221.85	-818.47	805.23	1598.161980.87
		404	2.51	-3.39	-28.92	-4.53	-27.78	-5.27	1653.91	-156.43	-139.83	1637.31172.57
353	35	381	5.00	-0.78	-70.94	-1.03	-70.69	4.18	3287.77	12.13	45.40	3254.50328.46
		382	6.03	62.83	-10.79	6.43	45.61	-31.16	4180.87	-1141.60	-519.54	3558.821709.95
		405	5.48	14.94	-67.31	1.70	-54.08	30.22	3571.89	-832.06	900.93	1838.902151.45
		404	2.88	-5.17	-35.21	-6.04	-34.34	-5.04	1922.29	-96.56	-44.62	1870.36319.61
353	122	381	3.72	-0.56	-49.65	-0.75	-49.46	3.05	2489.66	20.93	39.63	2470.96214.03
		382	4.39	41.64	-8.09	4.78	28.76	-21.78	3080.02	-785.52	-416.84	2711.331135.45
		405	3.94	9.20	-45.16	0.78	-36.74	19.67	2546.08	-673.39	605.71	1266.991575.41
		404	2.04	-3.32	-23.75	-3.97	-23.09	-3.59	1373.76	-65.17	-29.02	1337.61225.19
353	160	381	3.06	-0.23	-18.97	-0.32	-18.88	1.31	2305.24	58.29	58.30	2305.23-4.61
		382	3.77	7.37	-16.37	3.99	-12.98	-8.30	2588.30	-540.23	-540.22	2588.293.71
		405	2.46	-0.41	-8.35	-2.87	-5.89	-3.67	1316.99	-896.15	59.42	361.421096.22
		404	0.97	0.85	-3.73	0.10	-2.98	-1.70	753.06	5.60	26.61	732.05123.54
353	164	381	2.97	-0.21	-17.74	-0.44	-17.51	1.99	2260.32	69.57	70.19	2259.69-37.04
		382	3.69	6.72	-15.31	3.73	-12.32	-7.55	2541.30	-528.94	-528.56	2540.92-33.88
		405	2.37	-0.11	-7.70	-2.67	-5.14	-3.59	1239.91	-893.84	38.15	307.921058.31
		404	0.89	1.46	-2.55	0.43	-1.52	-1.75	692.29	-6.56	5.46	680.2690.87
353	191	381	3.48	0.38	-24.54	0.36	-24.52	-0.76	2556.59	-0.66	0.41	2555.5252.35
		382	4.22	9.44	-20.87	5.09	-16.52	-10.63	2866.66	-594.91	-593.10	2864.8578.92
		405	2.77	-1.37	-11.71	-3.35	-9.73	-4.06	1614.53	-833.14	120.91	

660.491193.73
404 1.39 -0.52 -9.18 -0.77 -8.93 -1.45 1047.36 40.85 83.27
1004.94202.24
353 227 381 3.16 -0.33 -21.96 -0.55 -21.74 2.17 2366.10 72.41 72.79
2365.72-29.65
382 3.87 7.46 -17.48 4.35 -14.38 -8.23 2652.37 -534.22 -533.82
2651.9735.68
405 2.56 0.59 -9.76 -3.01 -6.16 -4.93 1370.09 -897.13 67.95
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404 1.01 1.35 -3.60 0.47 -2.72 -1.89 775.85 -13.08 -1.12
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2610.49610.40
383 16.34 -13.23 -39.77 -27.76 -25.23 13.21 1.396e+04 1.194e+04 1.266e+04
1.324e+04969.78
406 6.27 26.03 -20.46 6.25 -0.68 -22.98 909.81 -4529.07 826.11 -
4445.38669.48
405 4.38 -6.88 -18.25 -8.84 -16.29 4.30 3268.68 -492.33 1564.82
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383 17.02 -15.58 -33.79 -16.26 -33.11 3.44 1.472e+04 1.215e+04 1.333e+04
1.355e+041281.08
406 6.31 28.24 -43.40 -2.86 -12.30 -35.51 1395.48 -4132.45 1227.63 -
3964.60948.52
405 5.42 -16.04 -20.80 -16.42 -20.42 -1.30 4034.72 -509.26 1974.35
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383 12.99 -12.57 -23.84 -12.65 -23.76 0.96 1.123e+04 9308.12 1.016e+04
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1.009e+04782.88
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406 4.48 9.17 -5.11 -1.99 6.04 -5.91 1011.13 -2918.19 861.81 -
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1.202e+04479.37
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384 6.55 5.77 -4.89 5.19 -4.32 2.40 4213.86 -1666.76 -1357.53
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1149.941573.29
407 3.62 -7.43 -251.24 -169.71 -88.96 115.03 565.77 -44.29 507.79
13.69178.91

356	112	384	7.31	127.39	-132.80	-84.11	78.69	101.48	3994.50	343.78	448.40
3889.88609.11											
		385	5.76	-18.51	-166.11	-120.89	-63.73	68.04	2286.30	-1573.51	-1271.56
1984.351036.48											
		408	4.99	90.08	-136.85	-60.11	13.34	107.36	1536.35	-563.62	-121.95
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		407	2.76	0.29	-160.64	-104.33	-56.02	76.75	412.11	59.18	248.61
222.68-175.99											
356	158	384	5.32	19.47	-20.24	9.36	-10.12	-17.30	4460.68	332.13	534.96
4257.86-892.31											
		385	4.26	20.11	7.83	10.07	17.87	-4.74	2270.75	-1580.95	-1463.42
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		408	2.66	27.52	-12.87	15.86	-1.21	-18.30	1203.48	-1102.03	-775.00
876.46-804.37											
		407	3.80	21.37	-13.19	3.91	4.27	-17.28	1630.57	-1547.30	7.07
76.19-1588.56											
356	164	384	5.31	11.43	-15.97	1.83	-6.37	-13.07	4468.32	342.86	549.68
4261.50-900.25											
		385	4.24	11.54	-0.36	0.99	10.19	-3.77	2274.04	-1568.15	-1447.66
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		408	2.69	21.61	-12.65	8.60	0.35	-16.63	1213.98	-1092.10	-756.55
878.43-813.15											
		407	3.75	9.97	-18.73	-7.34	-1.42	-14.04	1657.21	-1545.88	25.44
85.89-1601.26											
356	189	384	6.06	12.34	-2.43	7.98	1.93	-6.74	5124.75	445.47	610.00
4960.22-861.86											
		385	4.96	16.57	5.47	6.57	15.47	3.32	3023.20	-1457.64	-1369.90
2935.46-620.86											
		408	3.06	23.40	-0.86	16.44	6.10	-10.97	1876.32	-864.35	-653.98
1665.95-729.58											
		407	3.61	13.88	-5.45	1.08	7.35	-9.14	2015.96	-1115.16	110.36
790.44-1528.19											
356	223	384	5.52	11.80	-11.46	2.62	-2.28	-11.37	4653.99	400.56	574.60
4479.96-842.59											
		385	4.49	14.23	-0.08	1.37	12.78	-4.33	2517.49	-1498.78	-1403.52
2422.23-611.16											
		408	2.85	25.17	-7.93	11.98	5.26	-16.21	1536.31	-930.21	-698.03
1304.13-720.26											
		407	3.56	12.92	-16.71	-5.20	1.40	-14.44	1744.08	-1255.39	73.60
415.08-1489.98											
357	15	385	9.38	65.77	-245.95	-184.38	4.20	124.11	3350.10	-1896.25	-1261.95
2715.801710.38											
		386	10.93	-17.38	-266.68	-239.81	-44.25	77.32	3592.03	-3707.83	-2138.95
2023.152998.53											
		409	12.22	133.15	-297.52	-156.23	-8.13	202.20	4791.58	-1692.99	641.55
2457.043112.62											
		408	7.09	79.75	-234.15	-107.48	-46.92	154.00	2206.74	-881.68	-49.74
1374.801370.13											
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		409	12.27	123.96	-303.10	-167.50	-11.65	198.80	4746.26	-1867.18	737.13
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		408	7.21	71.22	-239.40	-118.64	-49.55	151.42	2136.07	-1026.86	45.32
1063.891497.21											
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1902.001140.40											
		386	7.50	-14.82	-181.35	-165.53	-30.64	48.82	2442.70	-2611.05	-1559.79
1391.432051.26											
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1561.232153.11											
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815.67886.43											
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2187.80211.87											
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387	5.66	11.99	-0.08	3.40	8.51	-5.46	3804.70	-1252.62	-1235.29	3787.37295.51
410	3.41	16.09	5.18	15.66	5.60	2.11	2044.25	-1077.00	-773.38	1740.64924.92
409	3.11	24.74	4.86	21.55	8.05	-7.30	1840.28	-903.62	-903.02	1839.6840.63
358 223 386	4.19	13.10	1.07	4.57	9.59	-5.46	2207.88	-1653.51	-1648.63	2203.00-137.20
387	5.01	12.55	-1.24	3.67	7.64	-6.60	3237.09	-1306.97	-1289.37	3219.49282.25
410	2.99	11.74	3.16	11.20	3.70	2.09	1645.23	-1125.72	-811.25	1330.75878.92
409	2.70	19.74	2.70	17.15	5.29	-6.11	1478.96	-917.86	-917.28	1478.3737.48
359 15 387	14.50	-92.02	-221.06	-202.80	-110.28	44.98	5686.66	-6268.69	-4006.70	3424.674682.56
388	19.63	-45.14	-305.56	-293.38	-57.31	54.98	1.070e+04	-4800.73	-3212.62	9114.974701.03
411	19.50	-90.40	-445.21	-440.37	-95.24	41.14	2578.51	-1.105e+04	-6615.80	-1857.916386.69
410	19.53	83.52	-541.74	-472.82	14.60	195.81	5505.74	-6003.52	-2119.60	1621.825442.08
359 35 387	14.60	-96.92	-220.07	-204.76	-112.23	40.63	6068.53	-6111.29	-3774.86	3732.104795.67
388	19.81	-44.38	-304.34	-295.06	-53.66	48.24	1.107e+04	-4637.60	-2972.10	9401.024835.41
411	19.59	-88.24	-453.82	-450.37	-91.69	35.37	3016.43	-1.092e+04	-6326.00	-1574.696549.22
410	19.72	77.80	-549.18	-483.12	11.74	192.50	5933.56	-5849.54	-1839.89	1923.905582.90
359 122 387	10.15	-64.90	-145.98	-136.27	-74.62	26.33	4331.28	-4206.26	-2727.07	2852.093231.20
388	13.94	-29.88	-202.02	-196.09	-35.81	31.40	8154.64	-2958.50	-1871.41	7067.553301.39
411	13.44	-59.13	-304.41	-302.00	-61.55	24.21	2240.25	-7475.86	-4199.42	-1036.194593.39
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359 159 387	6.84	-31.88	-70.57	-66.56	-35.88	11.78	3222.27	-2763.81	-2230.19	2688.651705.74
388	9.88	-16.39	-98.05	-95.16	-19.27	15.08	6917.95	-1082.16	-603.41	6439.201897.59
411	8.21	-31.34	-156.41	-154.23	-33.52	16.36	1847.08	-4537.70	-2129.11	-561.513094.68
410	7.98	30.56	-177.39	-152.57	5.74	67.42	2509.97	-2645.85	-1232.00	1096.132300.12
359 164 387	4.67	7.36	-3.99	1.83	1.55	-5.67	2745.29	-1593.87	-1578.75	2730.17255.68
388	7.07	8.42	-4.07	4.64	-0.29	-5.74	6066.48	760.01	824.94	6001.55583.38
411	3.73	-1.28	-14.98	-13.14	-3.13	4.68	1822.59	-1586.20	134.39	101.991704.32
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359 191 387	5.54	16.18	-9.39	1.13	5.66	-12.58	3643.57	-1381.90	-1357.33	3619.00350.51
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413 16.63 -94.30 -546.58 -544.51 -96.37 30.52 678.31 -7603.34 -7455.72 530.69-1095.79
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361 122 389 15.67 -61.81 -291.87 -285.43 -68.26 37.97 1.375e+04 6256.79 6272.80 1.373e+04345.92
390 16.19 -38.32 -294.11 -292.43 -40.01 -20.68 4477.57 -7331.53 -7331.25 4477.30-57.12
413 11.16 -63.41 -364.84 -363.84 -64.41 17.27 693.00 -5034.60 -4883.56 541.96-917.74
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361 159 389 14.50 -34.54 -136.81 -133.54 -37.81 17.98 1.286e+04 7635.63 7686.33 1.281e+04-512.25
390 11.46 -19.81 -139.97 -139.57 -20.21 -6.92 4122.46 -5155.09 -5139.25 4106.62-382.99
413 6.20 -31.47 -180.31 -180.31 -31.47 -0.44 1340.58 -2617.05 -2188.95 912.49-1229.22
412 5.48 0.57 -196.67 -192.59 -3.52 28.10 -2625.79 -3822.75 -2631.04 -3817.50-79.10
361 164 389 13.70 11.48 -13.19 9.37 -11.08 -6.90 1.255e+04 8794.69 9271.92 1.207e+04-1250.32
390 7.29 4.81 -3.40 4.40 -3.00 1.77 3923.76 -2830.37 -2778.93 3872.32-587.19
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412 4.36 1.56 -35.15 -34.81 1.22 -3.52 533.37 -3033.48 370.81 -2870.92-743.91
361 193 389 14.60 18.23 2.48 18.16 2.55 1.03 1.340e+04 9089.58 9597.31 1.289e+04-1389.06
390 7.89 17.65 -1.81 12.04 3.79 8.81 4662.81 -2555.72 -2476.55 4583.63-751.83
413 4.54 19.35 -18.96 -4.62 5.01 -18.54 3218.24 -268.09 847.93 2102.22-1626.44
412 3.98 15.55 -27.87 -27.81 15.48 1.69 886.23 -2346.25 592.86 -2052.88-928.57
361 223 389 13.95 12.41 -9.32 10.55 -7.46 -6.08 1.283e+04 8887.80 9337.73 1.238e+04-1254.03
390 7.54 5.12 -2.20 5.09 -2.17 0.45 4162.26 -2818.35 -2767.87 4111.79-591.42
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414 3.41 34.57 -9.46 26.10 -0.99 -17.35 867.80 -1946.72 -1940.16
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414 3.72 29.46 -7.22 20.76 1.48 -15.60 1447.02 -1781.53 -1778.54
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2606.9513.89
414 3.49 33.47 -7.63 25.74 0.10 -16.06 1018.05 -1903.90 -1899.32
1013.47-115.57
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363 15 391 20.04 -82.39 -442.10 -441.99 -82.51 6.51 3738.67 -9655.16 -9640.46
3723.97-443.48
392 19.44 -67.77 -425.30 -416.76 -76.32 -54.61 4415.25 -8798.39 -8646.70
4263.55-1407.65
415 20.18 -10.17 -549.25 -533.90 -25.51 -89.64 -802.01-1.055e+04-1.047e+04 -
882.93-884.34
414 20.96 -23.72 -556.18 -556.06 -23.85 -8.05 -410.58-1.099e+04-1.092e+04 -
478.44-844.58
363 57 391 20.26 -80.25 -438.84 -438.57 -80.53 -9.94 3640.18 -9909.78 -9904.92
3635.31-256.60
392 19.64 -63.93 -428.43 -414.07 -78.29 -70.91 4298.97 -9025.70 -8908.38
4181.65-1244.79
415 20.51 -5.44 -552.74 -530.75 -27.43 -107.47 -924.47-1.087e+04-1.083e+04 -
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414 21.31 -20.51 -553.47 -552.20 -21.78 -26.03 -540.81-1.132e+04-1.128e+04 -
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363 133 391 14.13 -52.91 -291.32 -291.11 -53.13 -7.10 2754.72 -6920.90 -6918.18
2752.00-162.19
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2637.27-110.10
392 9.23 -18.68 -135.22 -131.57 -22.33 -20.30 2952.91 -4249.00 -4238.34
2942.25-276.85
415 8.07 -3.86 -166.62 -160.78 -9.71 -30.30 81.13 -4721.29 -4719.12
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414 8.46 -8.13 -171.06 -170.34 -8.85 -10.78 311.88 -4800.06 -4769.44
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658.71700.48

414 3.41 32.48 -7.58 26.49 -1.59 -14.29 792.05 -2005.99 -1991.72
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3290.84553.15
415 4.57 34.01 1.60 33.99 1.63 -0.90 1517.67 -2381.86 -2130.79
1266.60957.08
414 3.89 36.29 -4.04 30.11 2.14 -14.52 1303.76 -1961.67 -1960.60
1302.6959.26
363 227 391 5.39 11.26 3.65 9.66 5.25 -3.10 2700.89 -2329.85 -2328.44
2699.4884.34
392 5.78 15.05 5.87 13.46 7.45 -3.47 2977.79 -2385.82 -2361.87
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415 4.09 30.76 -0.28 30.74 -0.26 -0.79 1080.68 -2328.91 -2145.12
896.89770.00
414 3.47 32.43 -7.74 25.53 -0.84 -15.15 936.10 -1957.34 -1947.94
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364 15 392 19.20 -160.32 -448.03 -437.85 -170.50 -53.15 4367.14 -9084.09 -8943.20
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393 18.40 70.03 -346.62 -316.31 39.72 -108.21 7874.38 -4658.07 -4165.44
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416 16.79 -62.74 -644.74 -591.29 -116.18 -168.07 -915.85 -7082.41 -6977.54 -
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415 20.09 56.37 -510.26 -498.15 44.26 -81.93 -749.75-1.051e+04-1.040e+04 -
855.51-1010.38
364 57 392 19.67 -152.63 -446.24 -427.72 -171.14 -71.37 4294.84 -9542.18 -9375.85
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416 17.40 -47.65 -629.38 -567.07 -109.96 -179.91 -1028.90 -7761.09 -7620.60 -
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415 20.64 64.50 -492.63 -474.71 46.58 -98.31 -849.44-1.118e+04-1.105e+04 -
985.15-1176.45
364 133 392 13.73 -100.78 -296.44 -283.80 -113.42 -48.09 3198.94 -6684.17 -6591.35
3106.12-953.32
393 13.23 55.31 -228.01 -201.88 29.18 -81.98 5789.07 -3456.34 -3147.95
5480.68-1660.14
416 11.64 -32.51 -417.29 -376.39 -73.41 -118.59 -705.96 -5307.24 -5263.98 -
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415 14.05 42.94 -324.06 -311.97 30.85 -65.52 -492.84 -7719.38 -7651.17 -
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415 8.04 18.38 -151.39 -146.91 13.90 -27.20 121.76 -4682.98 -4682.83
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364 164 392 5.66 12.15 3.03 10.10 5.08 -3.80 2682.30 -2584.80 -2555.82
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1.752e+04-1382.85
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416 11.55 -45.14 -404.66 -369.38 -80.42 -106.95 462.83 -4829.84 -4698.45
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1.294e+04260.86
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4425.74808.40
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1.291e+041271.76
417 3.96 6.37 -13.68 -13.05 5.75 3.48 259.78 -2985.36 91.71 -
2817.29719.13
416 4.26 18.48 -5.77 11.03 1.68 11.18 2686.69 -977.17 191.03
1518.491707.47
366 15 394 24.74 52.27 -256.99 -237.37 32.65 75.39 2.136e+04 1.193e+04 1.550e+04
1.780e+04-4575.60
395 14.72 -44.00 -250.23 -196.65 -97.58 -90.43 9392.19 -1986.09 -410.65
7816.75-3929.86
418 13.87 -7.64 -334.58 -290.12 -52.10 -112.08 9412.65 -1353.66 5696.40
2362.59-5118.57
417 12.71 81.44 -474.83 -386.32 -7.07 -203.46 2519.89 -5925.80 1140.34 -
4546.25-3122.19

366	35	394	24.56	51.88	-256.93	-240.35	35.30	69.60	2.129e+04	1.152e+04	1.519e+04	1.762e+04
-4733.33												
		395	15.36	-43.91	-255.83	-199.90	-99.83	-93.40	9625.66	-2326.83	-716.47	8015.30
-4081.00												
		418	14.26	-2.27	-332.03	-284.62	-49.68	-115.70	9430.91	-1486.91	5394.46	2549.54
-5270.32												
		417	13.23	89.62	-473.89	-380.58	-3.70	-209.46	2357.15	-6237.31	835.69	-
4715.85	-3280.44											
366	122	394	18.22	33.01	-168.94	-158.02	22.09	45.66	1.595e+04	9088.73	1.159e+04	1.344e+04
-3301.62												
		395	11.19	-29.14	-168.78	-131.37	-66.54	-61.84	7183.15	-1679.44	-611.86	6115.58
-2884.74												
		418	10.17	-0.58	-222.95	-190.16	-33.37	-78.85	6741.57	-1124.79	3837.39	1779.39
-3796.19												
		417	9.01	59.35	-317.36	-255.72	-2.28	-139.35	1527.16	-4574.59	599.35	-
3646.78	-2190.99											
366	159	394	16.33	10.77	-75.74	-69.73	4.76	21.99	1.459e+04	9957.35	1.140e+04	1.314e+04
-2145.99												
		395	9.18	-14.02	-75.93	-57.49	-32.46	-28.31	6449.72	-1270.28	-707.31	5886.76
-2007.28												
		418	7.51	1.52	-118.41	-98.46	-18.43	-44.66	5067.95	-1018.30	2923.41	1126.24
-2907.43												
		417	6.24	25.65	-164.49	-137.28	-1.57	-66.59	810.29	-3903.41	559.55	-
3652.67	-1057.86											
366	164	394	14.85	17.65	-11.88	16.57	-10.80	-5.54	1.325e+04	1.048e+04	1.101e+04	1.272e+04
-1095.51												
		395	8.35	14.92	-0.58	14.22	0.12	3.24	6006.24	-1222.57	-1006.63	5790.30
-1230.58												
		418	5.18	10.42	-15.39	-3.09	-1.88	-12.89	3407.46	-1001.60	1808.13	597.73
-2119.83												
		417	4.97	1.67	-15.28	-15.00	1.38	2.17	316.87	-3771.84	316.64	-
3771.62	-30.22											
366	183	394	15.74	20.88	1.45	20.01	2.31	-4.00	1.400e+04	1.091e+04	1.134e+04	1.357e+04
-1067.93												
		395	9.12	19.71	5.93	17.04	8.60	5.45	6899.66	-913.25	-687.95	6674.36
-1307.49												
		418	5.47	17.52	-7.11	2.55	7.86	-12.03	3922.15	-548.21	1933.55	1440.39
-2221.54												
		417	4.22	14.77	-9.07	-8.70	14.40	2.94	453.74	-2967.37	449.66	-
2963.29	-118.01											
366	227	394	15.24	17.32	-5.21	16.91	-4.80	-3.01	1.361e+04	1.062e+04	1.114e+04	1.310e+04
-1126.92												
		395	8.66	15.35	4.23	15.02	4.56	1.88	6362.31	-1154.40	-930.23	6138.14
-1278.59												
		418	5.29	12.31	-9.91	-0.42	2.81	-10.99	3705.63	-725.51	1889.22	1090.90
-2179.32												
		417	4.51	5.95	-12.87	-12.84	5.91	0.78	375.53	-3319.77	375.30	-
3319.54	-28.94											
367	15	395	11.92	-26.29	-196.72	-192.80	-30.20	-25.53	9464.27	971.17	2229.13	8206.31
-3016.87												
		396	8.62	-41.26	-226.05	-210.69	-56.62	-51.01	4393.67	-1582.14	-925.31	3736.84
-1869.14												
		419	9.79	85.30	-209.85	-127.74	3.19	-132.26	3896.24	-1954.27	348.86	1593.11
-2858.34												
		418	12.69	-39.00	-346.65	-297.46	-88.19	-112.76	6966.30	-2480.21	3056.79	1429.30
-4652.63												
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-3189.06												
		396	9.34	-33.76	-232.81	-212.14	-54.43	-60.73	4648.61	-1835.58	-1123.36	3936.39
-2027.54												
		419	10.41	95.92	-213.63	-123.69	5.98	-140.54	4108.19	-2123.64	190.33	1794.23
-3010.95												
		418	13.29	-33.33	-350.97	-293.78	-90.52	-122.05	7119.85	-2601.56	2894.52	1623.77
-4819.00												
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-2211.59												
		396	6.70	-21.94	-152.82	-139.24	-35.51	-39.91	3397.55	-1396.36	-951.57	2952.76
-1390.84												
		419	7.33	66.54	-141.89	-79.56	4.22	-95.43	2912.93	-1570.23	17.31	1325.39
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		420	2.91	41.41	4.35	41.17	4.59	-2.96	1360.09	-993.81	-930.05 1296.33-382.13
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		421	2.78	52.47	-0.09	50.85	1.53	9.07	901.22	-1165.75	-1114.48 849.95321.48
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401 13.49 25.48 -0.40 22.45 2.62 -8.32 1.217e+04 8889.97 1.094e+04
1.011e+041584.28
424 5.24 7.32 -16.04 -11.01 2.28 9.61 1236.50 -3466.84 1124.95 -
3355.29715.67
423 5.28 41.01 -10.43 30.71 -0.12 20.59 2708.44 -1765.07 163.64
779.732215.44
372 206 400 7.58 10.13 -17.32 10.12 -17.31 -0.61 2109.15 -4608.11 -4238.96
1740.001530.83
401 13.27 11.55 -4.45 11.53 -4.43 0.49 1.206e+04 8690.24 1.087e+04
9877.771610.34
424 5.57 3.85 -25.35 -18.22 -3.29 12.54 1186.52 -3795.83 1077.82 -
3687.12727.87
423 5.41 37.66 -17.02 22.24 -1.61 24.60 2591.58 -1924.66 155.16
511.752251.07
373 15 401 16.37 248.38 -113.08 74.33 60.97 180.61 1.397e+04 1.102e+04 1.295e+04
1.204e+04-1401.53
402 6.90 37.70 -110.47 -23.35 -49.42 -72.92 2101.30 -3771.86 -3630.71
1960.14-899.50
425 5.96 68.88 -68.60 3.74 -3.45 68.64 3409.26 -317.15 1599.87
1492.24-1862.43
424 7.51 60.73 -172.59 -108.89 -2.97 -103.95 1717.87 -4104.31 1658.82 -
4045.25-583.39
373 79 401 15.82 240.52 -113.06 71.99 55.46 176.60 1.354e+04 1.063e+04 1.257e+04
1.160e+04-1372.91
402 7.05 42.33 -113.26 -25.26 -45.67 -77.12 1786.84 -4088.01 -3976.48
1675.32-801.72
425 5.52 70.93 -65.52 5.29 0.13 68.18 3045.82 -344.63 1454.57
1246.63-1692.04
424 7.79 56.83 -178.05 -111.98 -9.24 -105.61 1519.52 -4499.56 1479.92 -
4459.96-486.58
373 144 401 12.15 159.75 -76.34 47.44 35.97 117.90 1.049e+04 8294.34 9751.06
9028.58-1034.21
402 5.29 27.21 -75.94 -16.80 -31.93 -51.01 1398.50 -3111.32 -3028.17
1315.36-606.67
425 4.14 46.68 -44.25 2.64 -0.21 45.44 2391.83 -256.67 1159.60
975.56-1321.05
424 5.81 36.40 -117.61 -74.75 -6.46 -69.02 1138.36 -3467.67 1109.44 -
3438.75-363.88
373 159 401 12.36 80.25 -41.78 22.41 16.05 60.93 1.086e+04 8817.59 1.015e+04
9528.58-972.66
402 4.86 8.65 -39.03 -7.61 -22.76 -22.60 1580.68 -2897.02 -2813.26
1496.92-606.64
425 3.94 20.39 -25.32 -2.51 -2.41 22.85 2671.58 -219.84 1340.31
1111.44-1441.17
424 5.21 14.06 -53.02 -36.70 -2.27 -28.78 1104.56 -3356.15 1074.93 -

3326.52-362.32										
373 164 401	12.50	-3.74	-7.97	-4.17	-7.53	1.29	1.095e+04	9077.08	1.029e+04	
9731.20-892.02										
402	4.93	1.04	-11.84	0.30	-11.10	3.01	1555.47	-2895.74	-2828.87	
1488.60-541.43										
425	3.49	-2.23	-6.63	-6.63	-2.23	-0.05	2711.54	-203.82	1424.14	
1083.57-1447.70										
424	4.99	8.89	-11.87	-0.72	-2.25	10.35	940.96	-3510.57	921.16	-
3490.77-296.22										
373 184 401	12.13	-5.59	-12.70	-6.59	-11.71	-2.46	1.061e+04	8751.21	9971.19	
9391.76-884.00										
402	4.97	-1.76	-8.90	-1.78	-8.89	-0.30	1322.14	-3176.55	-3126.81	
1272.39-470.43										
425	3.15	0.50	-4.79	-4.70	0.40	-0.70	2438.04	-235.05	1301.54	
901.46-1321.49										
424	5.28	4.31	-12.99	-1.84	-6.84	8.28	785.40	-3814.49	772.94	-
3802.03-239.09										
373 209 401	12.64	-0.05	-9.78	-1.52	-8.31	3.49	1.107e+04	9192.47	1.044e+04	
9821.68-886.61										
402	4.91	2.06	-10.38	1.69	-10.01	2.11	1579.32	-2855.44	-2785.00	
1508.89-554.43										
425	3.54	-2.01	-6.86	-6.65	-2.22	0.98	2730.61	-222.52	1432.53	
1075.56-1465.74										
424	5.10	6.01	-11.04	-2.94	-2.09	8.52	1001.04	-3546.61	982.31	-
3527.88-291.30										
374 15 402	4.41	89.08	-33.64	8.58	46.85	58.30	2808.50	-505.73	-479.93	
2782.70-291.30										
403	4.19	-0.72	-85.22	-1.69	-84.24	-9.04	2479.88	65.75	66.07	
2479.55-27.94										
426	1.13	3.66	-13.74	-2.56	-7.52	8.34	798.63	-13.93	-0.45	
785.15-103.80										
425	3.94	15.30	-65.64	-8.75	-41.58	-36.99	1761.67	-1118.92	119.91	
522.84-1426.13										
374 57 402	4.29	86.97	-31.34	8.10	47.53	55.78	2738.79	-412.62	-393.01	
2719.18-247.81										
403	4.03	0.13	-82.74	-1.48	-81.14	-11.41	2422.77	153.93	153.93	
2422.77-3.00										
426	1.01	6.21	-11.94	-1.48	-4.24	8.97	715.67	-37.70	-30.37	
708.34-73.97										
425	3.83	15.40	-64.57	-8.27	-40.90	-36.51	1653.05	-1124.60	88.92	
439.54-1377.72										
374 112 402	3.28	58.94	-23.56	6.29	29.09	39.64	2154.36	-392.09	-376.31	
2138.58-199.85										
403	3.12	-0.57	-58.62	-1.24	-57.94	-6.21	1903.17	51.22	51.36	
1903.03-16.20										
426	0.86	2.53	-9.39	-1.60	-5.26	5.67	611.05	-9.46	1.48	
600.11-81.67										
425	2.91	9.23	-42.93	-6.31	-27.39	-23.86	1331.54	-872.97	77.65	
380.92-1091.78										
374 159 402	2.96	28.65	-16.86	5.29	6.50	22.74	2137.98	-405.29	-399.51	
2132.20-121.08										
403	2.79	-0.64	-36.08	-1.05	-35.67	-3.79	1889.00	53.11	53.11	
1889.000.99										
426	0.81	1.64	-5.57	-0.39	-3.54	3.25	600.53	-5.54	7.40	
587.59-87.62										
425	2.51	0.99	-18.37	-4.93	-12.44	-8.92	1254.93	-912.88	30.26	
311.79-1074.73										
374 164 402	3.17	5.83	-17.64	4.28	-16.08	5.84	2126.52	-423.41	-422.71	
2125.82-42.32										
403	2.45	-0.71	-13.54	-0.86	-13.39	-1.36	1875.15	54.67	54.85	
1874.9718.18										
426	0.76	1.05	-2.06	0.81	-1.82	0.82	590.24	-1.85	13.33	
575.07-93.56										
425	2.41	6.21	-7.26	-3.55	2.50	6.02	1178.39	-952.86	-17.14	
242.67-1057.67										
374 181 402	3.46	7.56	-20.93	5.15	-18.53	7.91	2272.86	-505.37	-501.51	
2269.00-103.51										
403	2.72	-0.41	-17.87	-0.43	-17.86	0.50	2004.90	-26.82	-26.57	
2004.65-22.52										

426 1.01 0.03 -6.59 -0.02 -6.54 0.54 759.89 26.13 56.77
729.25-146.75
425 2.59 4.29 -8.45 -3.97 -0.19 6.08 1367.03 -927.76 28.91
410.36-1131.43
374 227 402 3.23 7.01 -18.03 4.78 -15.80 7.13 2165.31 -427.52 -426.03
2163.82-62.11
403 2.53 -0.69 -15.72 -0.87 -15.54 -1.62 1912.46 55.66 55.82
1912.30 17.11
426 0.79 1.34 -1.89 0.90 -1.44 1.11 619.91 -3.78 11.30
604.84-95.79
425 2.45 5.68 -7.77 -4.18 2.09 5.95 1221.11 -956.23 -9.22
274.11-1079.41
375 15 404 1.97 -7.91 -39.62 -8.43 -39.09 4.05 1115.08 -225.92 -182.78
1071.93236.63
405 5.12 62.52 -51.42 18.24 -7.15 -55.54 3007.27 -247.60 1156.52
1603.141612.04
428 1.06 -6.23 -32.89 -31.70 -7.42 5.49 449.86 -239.82 414.30 -
204.27152.51
427 0.31 9.26 5.09 5.23 9.11 0.77 40.63 -164.03 -14.11 -
109.29-90.59
375 35 404 2.06 -8.60 -40.64 -8.95 -40.28 3.34 1216.29 -182.25 -116.24
1150.28296.59
405 5.28 62.77 -52.86 17.71 -7.80 -56.39 3151.05 -212.48 1229.45
1709.121664.57
428 1.09 -7.17 -33.42 -32.45 -8.14 4.96 536.52 -180.63 459.39 -
103.50222.18
427 0.15 7.85 4.37 4.40 7.82 0.34 27.43 -38.46 24.63 -
35.67-13.28
375 122 404 1.45 -5.73 -27.28 -5.99 -27.02 2.33 861.31 -131.89 -84.78
814.20211.12
405 3.73 42.16 -36.28 11.61 -5.73 -38.25 2237.48 -168.71 869.71
1199.051191.77
428 0.77 -4.73 -22.39 -21.73 -5.39 3.35 385.84 -126.54 336.01 -
76.71151.83
427 0.11 5.33 2.98 3.01 5.30 0.24 17.96 -36.84 13.82 -
32.70-14.47
375 159 404 0.95 -2.59 -14.03 -2.88 -13.74 1.80 585.73 -119.10 -91.88
558.51135.81
405 2.57 22.17 -21.57 5.23 -4.63 -21.30 1584.22 -198.05 598.35
787.82886.09
428 0.54 -1.87 -11.43 -10.99 -2.31 2.01 276.29 -112.60 264.53 -
100.8466.60
427 0.17 3.48 1.99 2.05 3.42 0.30 16.45 -106.56 -15.75 -
74.36-54.07
375 164 404 0.53 0.28 -1.65 -0.13 -1.24 0.79 378.37 -77.93 -54.62
355.05100.47
405 1.53 2.34 -7.81 -1.49 -3.98 -4.92 1027.90 -205.04 375.61
447.24615.43
428 0.33 0.37 -0.83 -0.74 0.28 0.31 225.84 -60.52 223.11 -
57.7927.82
427 0.12 0.70 0.51 0.54 0.67 0.07 5.13 -91.56 -19.50 -
66.93-42.13
375 191 404 0.71 -0.41 -2.88 -0.42 -2.87 -0.15 516.81 -65.56 -16.87
468.11161.21
405 1.72 3.56 -9.00 -1.21 -4.23 -6.09 1173.27 -182.50 416.98
573.78673.33
428 0.36 -0.11 -1.27 -1.26 -0.11 -0.05 291.65 27.35 252.27
66.73 94.11
427 0.09 -0.24 -1.13 -0.25 -1.12 -0.09 58.48 -7.91 6.25
44.3127.20
375 221 404 0.62 0.20 -2.79 -0.09 -2.50 0.88 438.69 -85.77 -62.08
415.00108.92
405 1.74 3.55 -8.87 -1.66 -3.65 -6.13 1175.23 -213.87 420.13
541.24691.90
428 0.36 0.28 -1.25 -1.18 0.21 0.34 239.19 -73.68 234.36 -
68.8538.56
427 0.13 0.83 0.61 0.61 0.83 9.06e-04 6.26 -99.79 -20.02 -
73.51-45.79
376 15 405 4.34 -5.48 -34.34 -21.91 -17.91 -14.29 2806.96 -670.07 1029.06

1107.831738.07
406 5.91 74.96 -67.74 -7.77 14.99 -70.44 3153.58 -696.26 2318.31
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429 3.76 -3.83 -116.33 -115.46 -4.70 9.81 1791.68 -12.33 1750.94
28.42268.04
428 1.54 1.43 -22.77 -20.75 -0.59 -6.70 889.88 -188.27 874.27 -
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376 35 405 4.83 -6.04 -39.11 -25.91 -19.24 -16.20 3153.68 -678.24 1235.85
1239.601915.96
406 6.41 76.70 -71.97 -11.30 16.03 -73.07 3403.49 -835.26 2489.83
78.411742.99
429 4.06 -3.35 -120.71 -120.18 -3.88 7.84 1952.42 -108.86 1882.59 -
39.03372.90
428 1.82 0.23 -28.36 -25.94 -2.19 -7.96 1098.07 -105.28 1041.21 -
48.43255.31
376 122 405 3.47 -3.63 -26.75 -17.34 -13.03 -11.36 2238.52 -544.61 863.16
830.741391.47
406 4.45 51.64 -49.44 -8.84 11.03 -49.56 2425.59 -551.45 1870.81
3.331159.23
429 2.88 -2.27 -81.53 -81.15 -2.65 5.47 1434.55 -61.79 1391.89 -
19.14249.02
428 1.28 0.27 -19.19 -17.53 -1.39 -5.43 787.48 -64.30 752.72 -
29.53168.54
376 159 405 2.52 -0.07 -14.37 -7.61 -6.83 -7.14 1515.12 -617.47 509.90
387.751064.55
406 2.92 27.21 -28.86 -8.12 6.47 -27.07 1805.20 -297.66 1669.19 -
161.65517.21
429 2.00 -1.40 -43.30 -42.85 -1.84 4.29 1172.50 31.41 1165.18
38.73 91.12
428 0.82 0.95 -8.78 -7.93 0.10 -2.75 542.54 -48.02 540.36 -
45.8435.85
376 164 405 1.95 3.20 -5.25 -0.53 -1.52 -4.19 1029.71 -702.63 294.49
32.59856.22
406 2.36 5.27 -12.43 -9.76 2.59 -6.34 1582.14 -367.25 1581.92 -
367.03-20.69
429 1.33 -0.06 -8.13 -7.70 -0.49 1.81 1026.25 51.62 1026.24
51.63 3.13
428 0.55 0.84 -2.10 -1.79 0.52 -0.91 439.67 20.30 439.30
20.68-12.50
376 175 405 2.30 2.52 -8.88 -3.79 -2.56 -5.67 1299.57 -699.05 476.01
124.50983.73
406 2.67 6.86 -16.03 -12.64 3.47 -8.13 1739.42 -428.05 1736.13 -
424.7684.38
429 1.57 0.20 -11.11 -11.08 0.18 0.53 1140.81 -17.94 1136.78 -
13.9168.24
428 0.76 -0.01 -6.17 -5.55 -0.64 -1.86 588.81 93.32 577.34
104.7974.49
376 201 405 2.12 4.17 -7.07 -0.82 -2.07 -5.59 1140.36 -711.55 350.28
78.52915.93
406 2.49 6.55 -14.19 -10.96 3.32 -7.52 1670.75 -355.00 1669.30 -
353.5454.31
429 1.47 -0.28 -11.09 -10.73 -0.64 1.94 1102.55 51.29 1102.38
51.4613.44
428 0.61 0.96 -2.80 -2.48 0.65 -1.05 472.96 12.05 472.85
12.16-7.29
377 5 406 3.18 5.27 -11.58 -11.53 5.22 -0.91 2106.15 -543.78 2105.08 -
542.71-53.34
407 4.41 14.87 -14.29 -0.06 0.63 14.58 1768.39 -2051.61 313.19 -
596.41-1855.06
430 0.72 7.79 0.11 7.71 0.18 -0.77 548.61 100.19 513.00
135.80-121.24
429 1.64 1.27 -1.29 0.59 -0.61 -1.13 1351.73 54.37 1346.98
59.12-78.39
377 73 406 2.75 6.32 -2.22 -0.08 4.18 -3.70 1926.35 -521.58 1885.59 -
480.83-313.23
407 4.84 21.03 -10.87 10.62 -0.46 14.96 1881.80 -2346.60 100.28 -
565.08-2087.86
430 1.01 15.83 -1.36 15.82 -1.35 -0.34 639.91 -176.39 307.50
156.01-401.06

429	1.71	10.21	-1.49	8.89	-0.17	-3.70	1261.86	-6.48	1145.54	109.84-366.06
377 141 406	2.18	4.15	-4.47	-3.24	2.92	-3.02	1497.28	-398.49	1472.79	-374.00-214.06
407	3.66	14.87	-8.11	6.50	0.27	11.06	1434.44	-1768.67	102.26	-436.49-1578.74
430	0.73	9.36	-0.99	9.34	-0.97	-0.43	477.72	-99.34	260.61	117.77-279.55
429	1.29	6.48	-1.13	5.59	-0.24	-2.44	973.46	8.02	902.45	79.03-252.02
377 162 406	2.55	1.66	-23.27	-22.43	0.83	-4.49	1593.89	-397.19	1590.98	-394.28-76.07
407	3.36	9.60	-8.37	-2.94	4.16	8.26	1373.14	-1581.24	237.09	-445.18-1437.26
430	0.59	-0.46	-8.25	-7.96	-0.75	-1.47	440.05	56.00	389.99	106.07-129.31
429	1.24	-0.86	-1.46	-1.43	-0.89	-0.13	1024.94	40.44	1014.97	50.41-98.57
377 164 406	2.61	1.62	-24.57	-23.91	0.96	-4.10	1618.75	-401.63	1617.98	-400.86-39.31
407	3.29	9.23	-9.29	-4.36	4.30	8.18	1354.61	-1537.35	265.54	-448.29-1401.24
430	0.60	-0.28	-9.31	-9.04	-0.55	-1.52	441.71	78.57	417.07	103.21-91.33
429	1.29	-0.92	-2.58	-2.56	-0.95	0.21	1044.21	39.94	1040.63	43.51-59.83
377 182 406	2.36	1.90	-18.44	-17.25	0.71	-4.78	1514.94	-386.22	1500.58	-371.86-164.59
407	3.51	11.51	-5.78	2.08	3.66	8.61	1400.00	-1699.63	142.09	-441.72-1522.07
430	0.57	-0.92	-4.46	-3.92	-1.46	-1.27	447.19	-31.55	301.91	113.73-220.10
429	1.22	2.83	-0.77	2.78	-0.71	-0.43	972.94	32.76	931.38	74.31-193.23
377 226 406	2.60	2.33	-24.59	-23.79	1.53	-4.55	1594.57	-440.35	1578.59	-424.36-179.67
407	3.56	8.44	-9.81	-5.36	3.99	7.84	1490.57	-1659.85	257.74	-427.03-1537.55
430	0.63	-0.31	-10.55	-10.34	-0.52	-1.46	449.60	56.35	405.49	100.46-124.10
429	1.27	-0.92	-3.49	-3.49	-0.92	0.10	1015.88	37.75	1007.29	46.35-91.31
378 16 407	3.12	26.05	-126.62	-125.14	24.57	14.95	1429.44	-654.08	572.11	203.241025.31
408	4.77	-36.16	-111.08	-109.76	-37.48	-9.83	2561.73	-1436.30	267.53	857.901977.10
431	2.64	-2.88	-134.53	-134.33	-3.09	-5.18	650.76	-359.16	378.38	-86.78448.21
430	2.85	-2.51	-147.68	-145.59	-4.61	17.32	731.83	-117.09	638.45	-23.70265.62
378 36 407	3.50	27.06	-140.42	-138.87	25.51	16.03	1572.27	-696.33	693.43	182.501105.16
408	4.97	-37.92	-124.46	-123.78	-38.60	-7.62	2682.99	-1454.19	388.62	840.182056.23
431	3.00	-3.76	-146.99	-146.90	-3.84	-3.48	804.35	-410.67	498.69	-105.02527.21
430	3.20	-1.25	-159.96	-157.90	-3.30	17.93	886.94	-172.70	758.96	-44.71345.31
378 141 407	3.14	14.16	-2.88	12.40	-1.12	5.19	1483.07	-1357.52	122.26	3.29-1419.05
408	2.81	28.68	1.29	28.37	1.60	2.90	953.33	-1417.21	-873.84	409.95-996.41
431	1.09	4.33	-0.68	1.89	1.75	-2.50	98.59	-819.06	-709.68	-10.79-297.33
430	0.81	1.39	-4.66	-2.68	-0.59	-2.84	419.08	-286.41	144.37	-11.70-344.00
378 162 407	2.93	6.52	-10.81	-5.91	1.63	7.80	1377.19	-1190.25	194.63	-7.69-1279.73
408	2.46	14.40	-4.63	11.77	-2.00	6.57	846.10	-1237.55	-795.75	

404.31-851.68										
431	0.83	1.48	-0.47	0.58	0.43	-0.98	13.74	-663.90	-629.76	-
20.41-148.23										
430	0.57	-0.18	-6.93	-6.92	-0.19	-0.21	332.57	-134.96	221.14	-
23.53-199.20										
378 164 407	2.86	6.51	-12.29	-7.54	1.76	8.17	1346.42	-1149.76	207.51	-
10.86-1243.31										
408	2.39	13.40	-5.63	10.12	-2.35	7.19	816.43	-1197.51	-783.02	
401.94-814.22										
431	0.80	2.15	0.05	2.03	0.17	-0.49	-2.79	-635.88	-615.95	-
22.72-110.55										
430	0.52	0.04	-5.47	-5.47	0.04	0.04	312.90	-104.36	235.05	-
26.51-162.55										
378 182 407	3.07	7.45	-6.42	-0.17	1.20	6.90	1440.84	-1291.92	146.73	
2.18-1364.47										
408	2.66	18.85	-2.36	17.62	-1.13	4.96	913.17	-1344.53	-843.37	
412.01-938.25										
431	1.00	2.93	-1.61	0.26	1.06	-2.24	61.83	-753.99	-679.38	-
12.79-235.17										
430	0.66	-0.79	-7.38	-7.29	-0.88	-0.79	377.68	-220.32	171.30	-
13.94-284.29										
378 226 407	3.14	5.96	-12.15	-7.59	1.41	7.86	1487.49	-1280.16	201.12	
6.20-1380.39										
408	2.56	12.20	-4.63	9.38	-1.81	6.29	934.66	-1268.31	-768.82	
435.17-922.42										
431	0.79	0.25	-0.84	-0.72	0.14	-0.33	3.64	-636.33	-606.13	-
26.56-135.71										
430	0.57	0.17	-7.11	-7.10	0.16	-0.26	330.99	-133.77	225.41	-
28.20-194.74										
379 16 408	4.67	-23.66	-98.53	-98.17	-24.02	5.22	2571.03	-1516.89	278.79	
775.352028.82										
409	10.89	43.56	-216.41	-162.25	-10.59	-105.57	5206.50	-2164.97	1125.92	
1915.613664.53										
432	4.40	-6.62	-206.83	-205.68	-7.76	15.09	1286.95	-711.00	908.31	-
332.36783.04										
431	2.96	8.95	-142.15	-142.11	8.90	-2.61	801.96	-266.78	545.18	-
10.01456.61										
379 36 408	4.86	-22.85	-109.39	-108.91	-23.33	6.43	2680.54	-1551.32	379.10	
750.122107.78										
409	11.08	39.61	-224.18	-173.05	-11.52	-104.27	5317.03	-2200.58	1225.34	
1891.113744.03										
432	4.74	-7.07	-219.54	-218.28	-8.33	16.31	1425.52	-774.09	1008.72	-
357.29862.02										
431	3.30	8.73	-154.68	-154.66	8.71	-1.46	939.90	-329.07	646.47	-
35.64535.03										
379 122 408	2.92	-15.37	-70.13	-69.40	-16.09	6.25	1525.39	-866.88	22.73	
635.781156.19										
409	7.27	26.99	-145.76	-110.42	-8.34	-69.68	3489.50	-1552.35	503.20	
1433.952477.60										
432	2.80	-4.61	-144.28	-143.43	-5.45	10.86	716.69	-598.94	375.37	-
257.61576.68										
431	1.93	6.00	-102.09	-102.08	5.99	-0.99	431.72	-249.05	222.65	-
39.98314.04										
379 159 408	1.28	-7.39	-28.02	-26.32	-9.09	5.67	563.98	-401.21	-367.06	
529.84178.29										
409	3.58	16.08	-65.14	-44.20	-4.85	-35.52	1702.85	-969.98	-252.08	
984.961184.66										
432	1.37	-2.00	-64.79	-64.39	-2.40	5.00	53.79	-494.87	-291.46	-
149.62265.01										
431	0.94	3.35	-45.33	-45.31	3.33	-0.91	-15.39	-255.32	-234.93	-
35.7866.91										
379 164 408	2.18	12.13	-4.15	9.61	-1.62	5.90	785.30	-1068.20	-689.99	
407.09-746.97										
409	1.79	14.84	-2.00	14.82	-1.99	-0.50	521.72	-943.17	-941.09	
519.63-55.27										
432	1.15	6.26	0.29	6.26	0.29	-0.04	-58.20	-891.39	-891.34	-
58.255.99										
431	0.82	3.09	0.54	3.09	0.55	-0.06	-21.55	-652.11	-624.98	-
48.67-127.94										
379 177 408	2.28	20.86	-3.39	19.96	-2.49	4.59	737.60	-1131.76	-808.05	

413.88-707.35
409 2.08 25.20 -2.09 25.19 -2.08 -0.46 530.40 -1057.91 -1057.76
530.25-15.56
432 1.49 19.90 0.32 19.90 0.32 4.89e-03 -45.63 -1012.27 -1010.11 -
47.7945.63
431 1.13 16.83 0.28 16.72 0.39 -1.35 -31.02 -756.06 -745.14 -
41.95-88.32
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418.47-714.71
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528.08-17.37
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60.0912.96
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50.49-121.30
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410 14.44 77.48 -269.33 -208.49 16.63 -131.91 5325.84 -5602.32 -1678.63
1402.155242.46
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414.43760.33
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2314.443695.32
410 14.64 76.51 -277.35 -218.01 17.17 -132.20 5456.17 -5589.36 -1514.93
1381.745329.47
433 7.70 -0.57 -396.75 -396.52 -0.80 9.63 397.58 -2039.39 -1437.42 -
204.391051.01
432 4.43 -0.20 -167.69 -167.33 -0.55 -7.72 1431.30 -815.39 1049.46 -
433.55843.84
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410 9.98 51.80 -184.79 -144.17 11.19 -89.22 3721.89 -3864.38 -1116.89
974.403646.17
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142.56716.47
432 2.82 -0.08 -110.89 -110.65 -0.32 -5.14 852.62 -569.90 579.59 -
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380 159 409 3.21 -10.01 -90.66 -87.41 -13.26 -15.87 1803.74 -858.61 -128.52
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410 5.83 29.52 -89.62 -64.53 4.43 -48.58 2147.14 -2467.50 -1014.01
693.662143.52
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87.84388.70
432 0.97 0.42 -48.06 -47.86 0.22 -3.11 50.57 -438.57 -216.58 -
171.42243.53
380 164 409 1.80 14.30 -2.35 14.27 -2.32 -0.65 523.10 -951.89 -951.35
522.57-28.14
410 2.21 13.14 -6.35 8.76 -1.98 -8.14 720.18 -1122.88 -802.01
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58.72-17.50
380 185 409 1.89 21.03 -3.91 20.74 -3.62 -2.66 521.87 -930.97 -924.38
515.2897.64
410 2.58 18.77 -6.24 15.21 -2.68 -8.74 786.36 -1328.87 -928.49
385.98828.61
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66.28105.65
380 203 409 1.94 17.45 -2.28 17.41 -2.25 -0.84 531.70 -1022.57 -1022.48
531.61 11.43
410 2.38 15.56 -5.54 12.07 -2.05 -7.84 715.12 -1252.16 -927.03
389.99730.69
433 1.10 4.54 0.50 4.52 0.52 -0.30 -28.10 -859.95 -841.41 -
46.64122.80

		432	1.32	11.52	0.36	11.52	0.36	0.07	-60.70	-972.35	-972.23	-60.81
	381	15	410	15.16	-17.74	-524.41	-488.44	-53.71	-130.12	5368.44	-5908.05	-1952.45	1412.84
			411	17.06	75.46	-430.38	-423.77	68.84	-57.45	1914.77	-1.022e+04	-6544.96	-1760.43
			434	14.95	-16.59	-517.77	-515.31	-19.05	-35.00	454.29	-6237.46	-6112.25	329.08
			433	6.76	2.46	-271.33	-269.34	0.47	23.28	140.03	-2510.00	-2074.10	-295.87
	381	101	410	14.78	-17.93	-519.00	-485.78	-51.15	-124.67	5253.44	-5879.83	-2078.57	1452.18
			411	17.09	72.58	-426.74	-421.02	66.86	-53.13	1814.99	-1.019e+04	-6671.70	-1705.77
			434	15.05	-19.35	-513.01	-510.94	-21.42	-31.93	477.27	-6339.81	-6244.79	382.25
			433	6.85	5.44	-268.24	-265.45	2.65	27.48	82.76	-2546.53	-2206.41	-257.36
	381	155	410	10.07	-11.64	-345.59	-322.69	-34.54	-84.40	3594.16	-4082.43	-1509.51	1021.23
			411	11.57	48.99	-286.43	-282.29	44.86	-37.02	1357.21	-6930.39	-4420.38	-1152.79
			434	10.03	-12.96	-343.87	-342.49	-14.34	-21.31	321.39	-4201.07	-4132.99	253.31
			433	4.69	3.72	-178.96	-177.09	1.85	18.38	50.19	-1789.91	-1565.05	-174.67
	381	159	410	6.04	-4.24	-173.39	-157.86	-19.77	-48.84	2184.73	-2665.00	-1176.94	696.67
			411	6.52	27.98	-151.94	-148.11	24.15	-25.98	1292.11	-4010.42	-2065.14	-653.17
			434	4.95	-5.81	-180.49	-179.69	-6.61	-11.78	171.94	-1977.77	-1909.04	103.21
			433	2.76	1.21	-91.00	-90.31	0.51	8.00	23.71	-1226.82	-1091.33	-111.78
	381	164	410	2.48	14.09	-8.64	8.74	-3.29	-9.64	760.01	-1290.13	-928.46	398.34
			411	2.96	9.01	-18.98	-12.09	2.12	-12.06	1284.61	-1196.11	205.61	-117.11
			434	0.56	-0.46	-13.98	-13.98	-0.46	-0.20	286.77	-71.67	226.55	-11.45
			433	0.90	0.74	-1.03	-0.93	0.63	0.42	-6.53	-722.50	-705.81	-23.22
	381	183	410	2.57	10.05	-12.79	1.38	-4.12	-11.09	910.54	-1253.90	-729.99	386.64
			411	3.39	9.41	-25.87	-19.32	2.87	-13.71	1546.33	-1274.19	403.75	-131.62
			434	1.09	0.31	-22.95	-22.83	0.20	-1.65	574.34	-162.57	437.31	-25.53
			433	0.89	-0.40	-9.93	-9.89	-0.44	-0.62	75.17	-605.69	-494.62	-35.90
	381	212	410	2.42	11.70	-9.16	5.69	-3.15	-9.45	791.93	-1239.06	-861.02	413.89
			411	3.03	8.21	-21.02	-15.06	2.25	-11.78	1373.57	-1173.83	292.31	-92.56
			434	0.69	-0.56	-16.98	-16.98	-0.56	0.02	361.69	-68.82	308.45	-15.59
			433	0.88	0.72	-4.67	-4.63	0.68	0.42	-5.01	-659.40	-639.80	-24.62
	382	16	411	17.23	35.22	-380.38	-379.76	34.60	16.05	1192.07	-1.037e+04	-6700.77	-2474.54
			412	15.00	-23.08	-513.85	-498.49	-38.44	-85.45	-1442.85	-8121.30	-7388.63	-2175.52
			435	17.43	-8.00	-518.06	-517.30	-8.76	19.68	281.76	-8099.95	-8055.68	237.49
			434	15.63	6.98	-520.64	-520.63	6.98	-0.69	617.51	-6403.15	-6297.38	511.74
	382	102	411	17.23	33.59	-377.37	-376.81	33.03	15.13	1029.88	-1.041e+04	-6930.73	-2446.75
			412	15.31	-22.98	-510.32	-495.40	-37.90	-83.96	-1306.42	-8380.10	-7606.48	-

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148.46-53.97
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436 13.80 -3.72 -435.15 -435.14 -3.73 1.99 106.90 -6164.52 -6164.23
106.61-43.07
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214.24219.45

383	159	412	4.42	-14.43	-210.10	-210.07	-14.46	-2.50	-481.06	-1708.43	-1427.17	-762.32515.85
		413	6.88	23.47	-168.50	-166.37	21.34	-20.09	-287.11	-3709.94	-3467.94	-529.11-877.37
		436	7.04	-2.08	-226.19	-226.19	-2.08	0.03	97.53	-3071.88	-3071.85	97.51 8.30
		435	5.00	-1.18	-175.51	-175.37	-1.32	-4.97	85.24	-2016.26	-2005.24	74.22151.75
383	164	412	2.63	4.30	-36.48	-36.24	4.05	3.14	1568.50	-231.69	1523.80	-186.99-280.12
		413	2.87	16.49	-18.92	-6.08	3.65	17.03	813.84	-1486.85	-553.04	-119.98-1129.78
		436	0.42	-0.14	-10.04	-9.92	-0.26	-1.09	68.98	-184.68	-172.97	57.27-53.23
		435	1.34	-1.65	-15.25	-15.23	-1.67	-0.58	916.28	-16.77	915.58	-16.07-25.45
383	186	412	2.24	4.32	-25.68	-25.53	4.17	2.08	1381.17	-249.63	1276.53	-145.00-399.61
		413	3.23	21.09	-12.99	4.63	3.46	17.03	810.73	-1779.96	-810.65	-158.59-1253.65
		436	0.70	0.73	-1.38	-0.39	-0.27	-1.05	85.81	-506.55	-437.94	17.21-189.55
		435	0.91	-0.96	-6.29	-5.69	-1.56	-1.69	697.77	-11.50	660.94	25.34-157.39
383	225	412	2.65	4.11	-35.86	-35.76	4.01	2.01	1599.58	-245.40	1533.78	-179.59-342.16
		413	2.93	16.21	-18.54	-6.21	3.87	16.63	887.39	-1485.27	-514.40	-83.49-1166.60
		436	0.41	-0.17	-11.71	-11.58	-0.30	-1.22	71.56	-158.64	-139.96	52.88-62.86
		435	1.35	-1.74	-15.43	-15.40	-1.77	-0.59	921.48	-18.83	919.59	-16.94-42.16
384	15	413	20.26	55.09	-629.06	-628.14	54.17	25.08	-759.60	-9316.21	-9291.40	-784.41-460.04
		414	20.76	-40.78	-563.17	-561.13	-42.82	32.64	-289.62	-1.088e+04	-1.080e+04	-373.14-936.92
		437	20.93	2.85	-551.30	-551.11	2.65	-10.36	90.40	-1.060e+04	-1.060e+04	87.39-179.40
		436	19.78	-13.96	-603.67	-603.04	-14.59	19.21	30.84	-9183.09	-9183.06	30.8116.54
384	35	413	20.45	56.52	-636.00	-634.90	55.42	27.58	-792.79	-9383.85	-9372.03	-804.60-318.37
		414	20.94	-41.40	-570.93	-568.35	-43.98	36.88	-287.46	-1.093e+04	-1.087e+04	-347.28-795.79
		437	21.10	2.07	-555.90	-555.82	1.99	-6.68	112.42	-1.068e+04	-1.068e+04	112.32-31.49
		436	19.96	-12.07	-608.04	-607.29	-12.83	21.14	12.44	-9272.62	-9269.68	9.50165.22
384	122	413	13.75	38.14	-425.15	-424.21	37.20	20.88	-484.27	-6335.23	-6316.35	-503.15-331.78
		414	14.26	-27.96	-377.22	-375.25	-29.93	26.21	-142.67	-7557.31	-7515.68	-184.29-553.98
		437	14.34	1.50	-368.51	-368.45	1.45	-4.53	74.06	-7362.99	-7362.93	74.00-21.21
		436	13.38	-8.08	-406.12	-405.63	-8.58	14.07	-1.37	-6241.45	-6240.06	-2.7592.97
384	159	413	7.32	20.67	-214.94	-213.41	19.14	18.96	8.66	-3516.33	-3387.54	-120.13-661.37
		414	8.18	-14.87	-173.52	-171.50	-16.89	17.78	111.37	-4766.31	-4731.26	76.32-411.99
		437	8.13	1.45	-174.90	-174.82	1.37	-3.77	26.19	-4577.74	-4576.94	25.39-60.74
		436	6.93	-4.78	-204.48	-204.28	-4.98	6.32	-26.94	-3318.58	-3317.19	-28.33-67.52
384	164	413	2.47	16.65	-21.85	-7.11	1.91	18.71	842.56	-1105.62	-512.48	249.42-896.51
		414	3.19	31.52	-8.72	27.42	-4.62	12.18	367.28	-2009.40	-1996.31	354.18-175.91
		437	2.47	15.70	0.84	15.68	0.86	-0.56	-6.60	-1844.33	-1844.33	-

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385 211 414 3.09 29.49 -6.50 25.94 -2.95 10.73 372.18 -1971.11 -1968.50
369.57-78.14

		415	3.65	32.26	-4.31	32.12	-4.18	-2.21	385.80	-2379.63	-2228.63	234.79628.32
		438	2.96	23.72	0.67	23.71	0.68	-0.56	-15.62	-2149.60	-2142.91	-22.31119.28
		437	2.53	15.94	0.71	15.91	0.74	0.59	-38.86	-1901.33	-1901.19	-39.01-16.46
	386	15	415	19.75	-32.00	-524.00	-523.94	-32.06	-5.33	-813.31	-1.064e+04	-1.049e+04	-970.57-1233.38
			416	15.87	42.28	-560.27	-558.94	40.95	28.28	-790.13	-7028.09	-6613.16	-1205.06-1554.38
			439	14.91	-6.45	-506.25	-504.73	-7.97	-27.51	224.11	-6192.13	-6166.69	198.66-403.27
			438	20.27	-4.54	-532.80	-532.39	-4.95	14.69	171.74	-1.030e+04	-1.029e+04	159.99-350.57
	386	57	415	20.17	-29.92	-500.53	-500.53	-29.92	1.28	-895.40	-1.131e+04	-1.113e+04	-1071.33-1342.02
			416	16.31	41.19	-537.59	-536.18	39.79	28.48	-863.65	-7687.76	-7256.18	-1295.23-1660.99
			439	15.49	-9.73	-494.93	-493.26	-11.40	-28.39	141.87	-6866.17	-6828.91	104.61-509.62
			438	20.85	-4.34	-521.08	-520.27	-5.14	20.39	74.49	-1.097e+04	-1.095e+04	55.36-459.25
	386	133	415	13.72	-20.51	-329.05	-329.05	-20.51	0.18	-593.53	-7807.44	-7715.95	-685.02-807.24
			416	10.98	27.14	-356.45	-355.71	26.40	16.85	-651.40	-5194.27	-4981.47	-864.20-959.91
			439	10.47	-6.45	-328.84	-327.74	-7.55	-18.83	86.57	-4707.70	-4686.50	65.37-318.07
			438	14.19	-2.77	-344.74	-344.20	-3.31	13.58	50.45	-7581.86	-7570.44	39.03-295.08
	386	159	415	7.82	-12.92	-155.10	-154.95	-13.07	-4.63	-199.05	-4748.03	-4747.69	-199.40-39.50
			416	5.86	13.13	-178.89	-178.88	13.13	0.35	-399.85	-2821.33	-2816.47	-404.71108.41
			439	5.57	-1.99	-164.01	-163.54	-2.47	-8.76	48.31	-2625.27	-2624.60	47.64-42.31
			438	8.00	-0.99	-166.36	-166.22	-1.13	4.82	63.37	-4573.85	-4572.80	62.32-69.74
	386	164	415	3.70	35.40	-4.84	34.76	-4.20	-5.03	384.83	-2375.30	-2209.52	219.05655.81
			416	3.13	23.58	-11.40	13.11	-0.93	-16.02	686.60	-1772.08	-1080.14	-5.341105.66
			439	1.37	8.37	0.27	8.30	0.33	0.72	-6.32	-1030.67	-1004.19	-32.79162.55
			438	2.76	19.85	0.92	19.85	0.92	-0.13	19.26	-2021.46	-2018.07	15.8783.15
	386	175	415	4.25	51.44	-3.23	51.41	-3.20	-1.28	286.17	-2730.60	-2591.80	147.37632.03
			416	3.46	36.28	-8.54	29.36	-1.62	-16.19	518.85	-2051.73	-1460.66	-72.221081.68
			439	1.92	17.02	-1.69	17.02	-1.69	-0.05	-88.17	-1409.23	-1394.66	-102.74137.97
			438	3.33	29.26	0.11	28.92	0.45	3.13	-57.36	-2411.77	-2410.31	-58.8258.57
	386	227	415	3.80	35.39	-5.03	34.91	-4.54	-4.41	426.12	-2434.46	-2232.77	224.44732.29
			416	3.26	23.54	-10.23	14.17	-0.87	-15.12	701.83	-1883.06	-1137.90	-43.341170.86
			439	1.46	9.48	0.23	9.44	0.26	0.60	2.68	-1086.71	-1056.00	-28.03180.31
			438	2.79	19.75	0.93	19.75	0.93	0.04	20.65	-2047.98	-2042.79	15.46103.52
	387	15	416	12.12	91.54	-349.63	-326.40	68.31	98.53	-1394.93	-6766.95	-6495.76	-1666.12-1176.13
			417	12.13	-54.45	-537.06	-531.59	-59.92	51.06	4291.37	-1565.63	2303.35	422.39-2773.38
			440	6.31	-2.10	-331.33	-330.96	-2.47	10.98	1260.25	-463.64	1037.86	-241.24-577.86
			439	15.74	-5.76	-610.11	-610.04	-5.83	6.32	437.74	-5579.28	-5545.33	

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389 227 418 3.39 12.87 -13.52 -4.33 3.68 12.57 1501.69 -1389.08 235.51 -
122.90-1434.23
419 3.16 31.22 -10.02 23.18 -1.97 16.34 990.28 -1479.63 -865.95
376.61-1067.30
442 1.08 17.61 0.23 17.59 0.26 -0.63 22.65 -688.11 -643.23 -
22.22-172.87
441 0.47 0.30 -0.78 0.26 -0.75 0.18 317.42 -109.01 233.00 -
24.58-169.93
390 15 419 8.37 23.13 -169.20 -130.90 -15.18 76.81 3596.37 -2229.59 557.24
809.55-2910.25
420 3.97 -14.59 -84.03 -80.68 -17.95 14.90 1805.50 -1698.17 -536.60
643.93-1649.40
443 1.82 0.89 -79.24 -78.92 0.57 -5.10 110.94 -615.29 -448.91 -
55.43-305.20
442 3.29 -2.21 -151.79 -151.70 -2.29 3.63 966.32 -393.70 672.40 -
99.78-559.78
390 57 419 8.53 26.56 -163.17 -121.78 -14.84 78.36 3639.31 -2376.22 427.77
835.32-3000.86
420 4.25 -13.11 -77.48 -71.76 -18.82 18.31 1853.13 -1865.09 -668.80
656.85-1736.94
443 1.86 0.41 -66.72 -66.66 0.36 -1.96 169.24 -787.14 -576.43 -
41.48-396.39
442 3.09 -1.28 -139.42 -139.25 -1.45 4.91 961.24 -486.58 547.62 -
72.96-654.03
390 133 419 5.95 19.84 -108.08 -78.23 -10.01 54.11 2525.96 -1728.60 188.59
608.77-2116.88
420 2.97 -7.60 -47.77 -42.60 -12.76 13.45 1264.03 -1343.25 -580.59
501.37-1186.09
443 1.33 0.31 -40.16 -40.12 0.27 -1.30 84.83 -634.70 -515.03 -
34.83-267.93
442 1.97 -0.80 -90.87 -90.75 -0.92 3.27 598.17 -373.70 279.59 -
55.11-456.21
390 158 419 2.72 35.03 -4.82 30.92 -0.71 12.12 867.87 -1223.06 -743.21
388.03-879.25
420 2.40 49.26 -2.56 47.49 -0.79 9.42 506.22 -1059.09 -1027.97
475.10-218.51
443 1.74 38.78 0.40 38.77 0.40 0.49 -52.98 -998.66 -997.76 -
53.88-29.10
442 1.15 23.41 0.61 23.40 0.61 -0.29 -12.70 -695.45 -659.45 -
48.70-152.59
390 164 419 2.67 28.79 -7.52 22.18 -0.92 14.01 867.25 -1202.52 -724.48
389.20-872.30
420 2.27 41.29 -3.59 39.28 -1.59 9.27 505.45 -1039.82 -1010.44
476.07-211.02
443 1.63 32.43 0.23 32.43 0.23 0.07 -53.04 -981.40 -980.59 -
53.86-27.49
442 1.03 15.64 0.38 15.64 0.38 -0.05 -12.10 -677.63 -641.19 -
48.55-151.42
390 187 419 3.02 38.95 -7.29 33.21 -1.56 15.24 905.23 -1376.87 -844.00
372.36-965.46
420 2.65 53.33 -6.72 50.07 -3.46 13.62 519.85 -1184.32 -1128.96
464.50-302.10
443 2.03 48.96 -0.89 48.62 -0.56 4.07 -51.96 -1109.04 -1095.97 -
65.04-116.84

	442	1.45	32.10	0.84	32.07	0.87	0.85	11.81	-834.20	-757.55	-
64.84-242.84											
390	227	419	2.87	30.01	-7.34	23.64	-0.97	14.05	923.08	-1323.25	-757.75
357.58-974.94											
	420	2.42	43.17	-3.96	41.04	-1.83	9.78	531.32	-1115.81	-1038.59	
454.10-348.18											
	443	1.72	35.85	0.22	35.85	0.22	-0.07	-47.98	-1009.35	-1005.80	-
51.54-58.36											
	442	1.12	18.58	0.34	18.58	0.34	0.12	0.02	-716.69	-671.48	-
45.19-174.24											
391	7	420	3.28	77.08	-1.85	75.85	-0.62	9.76	649.46	-1379.33	-1347.81
617.95-250.91											
	421	3.54	87.27	-1.12	86.64	-0.49	7.46	665.00	-1587.51	-1473.53	
551.02493.71											
	444	2.84	75.79	1.06	75.75	1.10	1.80	-60.86	-1475.02	-1468.29	-
67.6097.39											
	443	2.43	61.04	1.02	61.03	1.02	-0.48	-70.36	-1311.02	-1308.52	-
72.87-55.72											
391	51	420	3.85	93.42	-2.28	91.13	0.01	14.63	701.33	-1623.19	-1556.69
634.83-387.50											
	421	3.95	102.62	-4.61	101.17	-3.16	12.39	618.14	-1738.65	-1683.36	
562.85356.74											
	444	3.40	96.80	-0.94	96.40	-0.53	6.26	-52.86	-1673.13	-1672.26	-
53.74-37.73											
	443	3.03	82.78	2.21	82.67	2.32	3.08	-24.68	-1537.65	-1511.97	-
50.35-195.40											
391	130	420	2.86	67.75	-1.96	65.98	-0.19	10.97	533.30	-1215.77	-1168.56
486.09-283.46											
	421	2.95	74.74	-3.30	73.74	-2.30	8.79	479.39	-1313.36	-1265.76	
431.79288.23											
	444	2.52	70.27	-0.57	70.02	-0.32	4.20	-42.50	-1258.12	-1257.93	-
42.68-15.08											
	443	2.23	59.53	1.52	59.46	1.60	2.07	-24.24	-1151.53	-1134.90	-
40.87-135.91											
391	158	420	2.33	48.56	-2.44	47.14	-1.03	8.38	496.18	-1023.69	-998.18
470.67-195.24											
	421	2.53	55.61	-1.36	55.22	-0.97	4.70	508.29	-1179.53	-1093.90	
422.66370.40											
	444	2.01	49.34	0.50	49.33	0.51	0.70	-46.18	-1095.70	-1090.48	-
51.4173.86											
	443	1.70	38.51	0.54	38.51	0.54	-0.08	-52.86	-971.16	-969.09	-
54.93-43.58											
391	164	420	2.21	41.14	-3.41	39.18	-1.45	9.14	495.56	-1004.77	-980.71
471.50-188.45											
	421	2.41	47.50	-1.75	47.17	-1.42	3.97	514.01	-1166.22	-1076.39	
424.18377.98											
	444	1.90	43.16	0.25	43.16	0.25	0.18	-45.88	-1078.76	-1073.20	-
51.4475.55											
	443	1.60	32.59	0.35	32.59	0.35	0.14	-52.83	-953.90	-951.91	-
54.82-42.31											
391	187	420	2.62	55.23	-3.77	53.96	-2.50	8.57	507.37	-1166.36	-1116.00
457.01-285.92											
	421	2.72	62.64	-4.32	61.76	-3.44	7.63	465.29	-1257.01	-1209.84	
418.12281.10											
	444	2.37	64.90	-0.57	64.71	-0.38	3.56	-57.31	-1206.59	-1206.29	-
57.61-18.68											
	443	2.08	54.33	0.27	54.32	0.28	-0.63	-51.11	-1104.99	-1086.84	-
69.27-137.13											
391	222	420	2.15	40.68	-3.60	38.36	-1.27	9.87	499.08	-970.93	-968.14
496.29-64.02											
	421	2.51	47.18	-1.61	46.82	-1.24	4.20	594.07	-1238.01	-1074.78	
430.84521.93											
	444	1.89	41.71	0.28	41.71	0.28	0.39	-40.53	-1085.04	-1073.57	-
52.00108.84											
	443	1.55	30.25	0.38	30.25	0.38	-7.37e-03	-57.29	-942.30	-942.09	-
57.49-13.50											
392	7	421	3.56	85.97	0.13	85.65	0.45	5.21	672.22	-1612.12	-1487.85
547.95518.11											
	422	4.12	87.40	-2.91	87.36	-2.87	1.86	830.87	-2077.84	-1589.02	
342.061087.60											

	445	3.09	83.23	1.22	83.18	1.27	1.96	-18.76	-1592.34	-1566.80	-
44.30198.84											
	444	2.82	74.33	0.91	74.33	0.91	-0.04	-58.06	-1474.46	-1469.88	-
62.6480.39											
392 29	421	4.12	109.34	0.26	108.57	1.03	9.13	642.19	-1816.01	-1738.03	
564.21430.82											
	422	4.52	109.22	-4.39	109.03	-4.19	4.67	721.51	-2220.57	-1837.02	
337.96990.62											
	445	3.77	109.64	0.30	109.35	0.59	5.62	-47.32	-1839.23	-1832.84	-
53.70106.81											
	444	3.54	102.85	1.88	102.73	2.00	3.46	-78.90	-1738.19	-1738.19	-
78.90-2.84											
392 119	421	3.07	79.22	-0.03	78.66	0.53	6.66	496.62	-1367.77	-1303.59	
432.44339.89											
	422	3.40	78.99	-3.24	78.89	-3.14	2.82	567.27	-1685.39	-1379.53	
261.41771.66											
	445	2.79	79.30	0.27	79.11	0.45	3.79	-34.12	-1380.90	-1374.63	-
40.3991.70											
	444	2.61	74.36	1.30	74.29	1.37	2.34	-58.93	-1302.05	-1302.02	-
58.966.27											
392 158	421	2.54	55.14	-0.81	54.83	-0.51	4.13	513.66	-1197.62	-1104.51	
420.55388.15											
	422	3.01	55.10	-2.42	55.09	-2.42	-0.65	641.93	-1553.65	-1179.59	
267.87825.45											
	445	2.19	53.71	0.68	53.70	0.70	0.83	-14.17	-1183.29	-1163.26	-
34.20151.70											
	444	2.01	49.05	0.47	49.04	0.47	0.13	-44.22	-1095.07	-1091.65	-
47.6359.77											
392 164	421	2.43	47.45	-1.54	47.07	-1.16	4.30	519.47	-1183.96	-1086.77	
422.28395.10											
	422	2.93	46.65	-2.69	46.55	-2.59	-2.21	654.15	-1544.77	-1161.38	
270.76834.30											
	445	2.07	46.62	0.48	46.61	0.48	0.32	-13.54	-1166.41	-1145.54	-
34.41153.72											
	444	1.91	43.50	0.29	43.49	0.30	0.26	-44.04	-1077.88	-1074.24	-
47.6861.19											
392 183	421	2.81	64.26	-2.58	64.15	-2.47	2.72	466.14	-1300.28	-1246.91	
412.77302.36											
	422	3.17	63.68	-3.79	63.67	-3.78	-0.64	573.50	-1610.15	-1317.87	
281.22743.52											
	445	2.56	68.99	0.53	68.94	0.59	1.91	-19.28	-1303.26	-1299.64	-
22.8968.06											
	444	2.41	65.80	-0.06	65.78	-0.03	-1.25	-60.00	-1232.57	-1231.98	-
60.59-26.45											
392 222	421	2.52	47.33	-1.53	46.71	-0.91	5.46	600.23	-1257.53	-1086.00	
428.70537.81											
	422	3.10	46.81	-2.57	46.76	-2.52	-1.57	737.61	-1663.54	-1174.86	
248.93966.74											
	445	2.10	46.97	0.53	46.96	0.53	0.58	-2.32	-1187.14	-1157.70	-
31.76184.44											
	444	1.90	42.00	0.30	42.00	0.30	0.16	-39.55	-1083.34	-1074.69	-
48.2094.60											
393 7	422	4.29	87.15	2.28	87.14	2.29	0.97	782.57	-2250.24	-1791.12	
323.451087.03											
	423	4.86	79.99	-16.05	76.87	-12.93	-17.03	1233.76	-2428.12	-1140.35	-
54.011748.51											
	446	2.21	74.61	3.25	74.35	3.50	4.24	87.19	-992.74	-906.20	
0.64293.21											
	445	3.27	82.88	0.89	82.87	0.89	-0.77	3.86	-1712.60	-1697.76	-
10.97158.89											
393 29	422	4.94	118.39	1.54	118.29	1.64	3.45	623.43	-2503.80	-2180.23	
299.86952.46											
	423	5.09	106.72	-16.83	105.08	-15.19	-14.14	926.28	-2594.27	-1544.29	-
123.701610.61											
	446	3.07	104.38	-1.75	104.13	-1.50	5.17	-55.38	-1331.57	-1313.79	-
73.16149.58											
	445	4.19	116.79	2.17	116.76	2.21	1.94	-42.81	-2090.07	-2089.91	-
42.9717.93											
393 119	422	3.69	85.07	0.73	85.02	0.78	2.07	496.72	-1890.38	-1628.44	

234.78746.10											
	423	3.85	76.20	-12.39	74.69	-10.88	-11.47	745.15	-1972.08	-1139.38	-
87.551252.70											
	446	2.22	74.34	-0.93	74.18	-0.77	3.47	-30.52	-980.47	-962.35	-
48.64129.95											
	445	3.08	84.27	1.47	84.25	1.49	1.32	-29.50	-1559.79	-1559.27	-
30.0228.23											
393 158	422	3.14	54.86	-0.60	54.85	-0.59	-0.68	607.52	-1682.63	-1331.79	
256.68824.85											
	423	3.61	48.59	-11.08	44.95	-7.44	-14.28	955.46	-1830.18	-838.16	-
36.551333.91											
	446	1.50	44.64	2.07	44.58	2.13	1.50	69.31	-730.65	-661.67	
0.33224.56											
	445	2.33	54.41	0.37	54.41	0.37	-0.14	1.95	-1274.16	-1262.70	-
9.51120.38											
393 164	422	3.06	46.28	-2.43	46.22	-2.37	-1.71	620.88	-1671.50	-1312.14	
261.52833.45											
	423	3.57	39.91	-10.82	34.78	-5.68	-15.30	967.50	-1829.53	-823.88	-
38.141342.20											
	446	1.38	35.73	1.73	35.73	1.73	0.15	72.25	-719.98	-648.68	
0.95226.72											
	445	2.22	48.10	0.13	48.10	0.13	0.21	1.61	-1256.90	-1244.94	-
10.35122.11											
393 183	422	3.41	64.54	-3.46	64.39	-3.30	-3.24	550.19	-1784.00	-1502.31	
268.51760.37											
	423	3.72	56.97	-11.36	52.82	-7.22	-16.31	847.90	-1897.09	-1014.60	-
34.591282.04											
	446	1.82	54.47	0.28	54.45	0.30	-0.98	40.47	-847.17	-814.93	
8.22166.09											
	445	2.69	66.96	-0.67	66.93	-0.64	-1.43	1.70	-1412.30	-1410.63	
0.0448.49											
393 222	422	3.20	46.38	-1.83	46.38	-1.83	-0.09	694.63	-1785.29	-1325.45	
234.79963.80											
	423	3.72	40.33	-11.49	35.55	-6.71	-14.99	1002.65	-1942.48	-855.24	-
84.591421.26											
	446	1.46	38.27	1.93	38.26	1.93	0.34	86.35	-753.83	-674.73	
7.25245.37											
	445	2.25	48.62	0.10	48.62	0.10	0.24	10.71	-1275.18	-1256.92	-
7.55152.15											
394 15	423	3.82	46.24	-55.78	-53.94	44.41	13.56	1736.47	-1574.43	397.73	-
235.691624.87											
	424	6.07	-15.52	-178.44	-167.99	-25.98	39.92	2965.14	-307.62	2960.71	-
303.19120.35											
	447	3.19	-3.89	-53.22	-51.49	-5.63	-9.08	2012.85	-12.04	2010.07	-
9.2674.95											
	446	3.31	-6.86	-168.68	-167.97	-7.57	10.70	847.68	89.03	835.02	
101.6997.16											
394 79	423	4.03	50.28	-69.50	-66.73	47.51	18.00	1722.11	-1659.45	353.84	-
291.181659.73											
	424	6.27	-16.28	-195.48	-182.11	-29.65	47.09	3015.93	-224.58	3009.36	-
218.02145.68											
	447	3.33	-8.13	-61.25	-60.99	-8.39	-3.72	2088.88	75.16	2082.83	
81.21110.25											
	446	3.56	-2.52	-177.16	-176.14	-3.55	13.37	910.74	33.72	893.24	
51.21122.63											
394 144	423	3.10	32.32	-41.72	-40.66	31.25	8.81	1277.39	-1430.30	119.15	-
272.051339.64											
	424	4.53	-11.13	-131.32	-123.41	-19.04	29.80	2264.22	-208.38	2255.89	-
200.05143.30											
	447	2.36	-5.65	-38.47	-38.27	-5.85	-2.58	1537.46	48.69	1532.21	
53.9388.20											
	446	2.23	-1.48	-113.55	-112.78	-2.25	9.24	568.82	34.86	547.92	
55.75103.55											
394 159	423	3.53	17.31	-6.01	-1.72	13.02	-9.03	1146.01	-1919.39	-363.61	-
409.761532.53											
	424	3.62	-4.84	-65.20	-64.49	-5.55	6.53	2071.14	-356.79	2047.90	-
333.55236.40											
	447	1.67	-1.00	-9.00	-7.01	-2.99	-3.46	1286.50	-9.90	1280.57	-
3.9787.46											

	446	0.63	-1.31	-36.96	-36.25	-2.01	4.97	228.40	-26.50	76.15	
125.75125.01											
394 164	423	4.49	41.50	-15.96	28.69	-3.15	-23.91	1024.65	-2484.75	-875.63	-
584.471748.65											
	424	3.02	10.99	-20.49	-14.98	5.48	-11.96	1923.76	-461.68	1872.35	-
410.28346.38											
	447	1.60	17.94	-2.00	17.92	-1.97	-0.76	1088.59	-12.71	1077.44	-
1.56110.25											
	446	1.08	35.02	0.72	34.84	0.90	2.48	209.30	-404.01	-356.81	
162.11163.45											
394 174	423	4.53	27.83	-15.93	12.33	-0.43	-20.93	1200.66	-2496.04	-724.80	-
570.581846.74											
	424	3.46	4.14	-33.56	-32.38	2.96	-6.57	2097.12	-536.83	2023.12	-
462.83435.25											
	447	1.69	5.58	-4.82	4.44	-3.68	3.24	1247.41	-79.82	1223.32	-
55.74177.17											
	446	0.76	23.27	3.54	22.39	4.42	4.08	288.58	-310.85	-196.71	
174.44235.35											
394 210	423	4.55	38.70	-15.25	25.67	-2.22	-23.09	1118.62	-2496.75	-790.57	-
587.561804.83											
	424	3.14	9.16	-22.07	-17.97	5.07	-10.54	1989.16	-479.36	1930.36	-
420.56376.42											
	447	1.64	15.53	-1.97	15.49	-1.93	-0.81	1143.70	-12.10	1131.92	-
0.32116.08											
	446	0.93	30.20	0.56	29.99	0.77	2.47	222.39	-336.93	-275.35	
160.81175.07											
395 15	424	4.27	89.48	-70.40	4.26	14.82	79.76	2833.79	-321.82	2833.42	-
321.45-34.19											
	425	2.82	-23.01	-28.63	-27.55	-24.09	2.21	1426.98	-1117.91	402.59	-
93.51-1248.03											
	448	1.04	5.37	-13.97	-8.04	-0.56	8.92	759.47	62.78	758.24	
64.01-29.23											
	447	4.00	-1.02	-111.48	-109.88	-2.62	-13.21	1996.04	16.20	1996.00	
16.23-8.48											
395 79	424	4.06	87.06	-71.46	2.10	13.50	79.05	2750.89	-257.26	2749.88	-
256.2555.04											
	425	2.56	-22.68	-29.87	-29.39	-23.17	1.80	1222.46	-1097.54	291.95	-
167.02-1137.08											
	448	0.95	7.35	-13.44	-6.66	0.56	9.75	687.11	-5.27	684.07	-
2.2345.79											
	447	3.88	-1.97	-110.13	-108.35	-3.75	-13.77	1949.76	87.51	1948.66	
88.6145.22											
395 112	424	3.13	58.37	-45.87	2.10	10.40	51.96	2143.88	-259.72	2143.87	-
259.705.55											
	425	2.16	-15.10	-19.32	-18.70	-15.72	1.50	1108.34	-856.70	320.60	-
68.96-963.02											
	448	0.79	3.53	-9.40	-5.47	-0.41	5.95	586.18	47.77	585.40	
48.55-20.52											
	447	2.83	-0.71	-72.70	-71.54	-1.87	-9.06	1487.60	12.43	1487.59	
12.43 -1.70											
395 158	424	2.83	13.13	-18.68	-8.78	3.22	-14.73	1923.67	-358.18	1904.81	-
339.31206.62											
	425	2.19	4.57	0.09	0.54	4.12	1.35	1181.99	-833.99	392.35	-
44.35-984.06											
	448	0.72	0.43	-1.49	-1.04	-0.02	-0.81	599.79	42.74	599.66	
42.87-8.55											
	447	1.72	20.33	-0.96	20.29	-0.92	-0.94	1171.15	11.11	1170.43	
11.8228.82											
395 164	424	2.77	9.46	-11.16	-5.57	3.87	-9.16	1931.80	-360.44	1911.91	-
340.55212.58											
	425	2.16	2.54	-2.45	-2.44	2.53	0.20	1177.91	-835.96	391.56	-
49.61-982.48											
	448	0.72	-0.25	-0.80	-0.80	-0.25	-6.77e-03	599.36	43.97	599.25	
44.08-7.76											
	447	1.62	13.08	-1.15	12.82	-0.89	-1.92	1177.69	11.32	1176.93	
12.0829.67											
395 189	424	2.91	7.88	-10.66	-7.59	4.81	-6.89	2000.47	-412.97	1990.83	-
403.33152.17											
	425	2.37	1.66	-5.11	-4.76	1.31	1.50	1324.50	-843.39	491.69	-

10.58-1054.45
448 0.85 -1.59 -4.78 -4.56 -1.81 0.81 683.79 76.50 680.11
80.18-47.12
447 1.69 9.45 -0.27 9.44 -0.27 -0.19 1236.82 -54.61 1236.82 -
54.61-3.10e-03
395 225 424 2.80 8.47 -10.91 -5.99 3.55 -8.43 1972.76 -338.24 1959.48 -
324.97174.63
425 2.23 2.55 -2.36 -2.31 2.50 0.51 1216.45 -848.03 405.09 -
36.67-1008.33
448 0.74 -0.28 -0.92 -0.92 -0.28 -0.03 611.40 42.49 611.19
42.69-10.85
447 1.66 12.08 -1.16 11.80 -0.88 -1.89 1218.30 9.37 1217.88
9.7922.53
396 15 425 3.19 47.22 -48.14 11.16 -12.09 46.24 1493.47 -351.97 574.59
566.91-922.71
426 0.88 -6.99 -24.16 -8.80 -22.35 -5.28 486.62 -109.68 -85.29
462.23-118.11
449 0.24 9.61 3.64 4.49 8.76 -2.09 -5.04 -110.71 -47.11 -
68.6451.73
448 0.75 -4.89 -25.52 -21.51 -8.90 -8.16 388.31 -72.18 379.05 -
62.93-64.62
396 57 425 3.20 47.26 -46.95 11.75 -11.43 45.66 1508.34 -356.86 559.60
591.88-932.46
426 0.92 -6.08 -23.86 -8.21 -21.74 -5.77 514.50 -126.64 -99.45
487.30-129.22
449 0.23 10.68 4.18 5.41 9.45 -2.55 -11.00 -90.01 -57.09 -
43.9138.95
448 0.72 -3.68 -25.10 -20.61 -8.18 -8.72 382.11 -52.20 368.43 -
38.53-75.84
396 133 425 2.34 31.35 -31.53 7.39 -7.56 30.54 1150.16 -271.12 428.14
450.90-710.55
426 0.67 -4.00 -15.89 -5.40 -14.48 -3.84 384.87 -96.33 -74.61
363.15-99.90
449 0.16 7.17 2.76 3.58 6.35 -1.72 -7.73 -71.04 -42.40 -
36.3731.51
448 0.52 -2.36 -16.64 -13.51 -5.49 -5.90 293.12 -42.74 283.73 -
33.35-55.36
396 159 425 1.92 15.12 -17.05 1.83 -3.76 15.84 1112.39 -258.50 425.59
428.31-685.44
426 0.54 -2.09 -7.97 -2.65 -7.40 -1.74 340.45 -87.43 -63.76
316.78-97.82
449 0.14 3.45 1.07 1.37 3.15 -0.78 -1.70 -85.46 -34.14 -
53.0240.81
448 0.45 -1.21 -8.13 -6.22 -3.12 -3.10 293.39 -58.62 288.32 -
53.55-41.94
396 164 425 1.53 0.61 -3.48 -3.33 0.47 0.75 1084.55 -249.14 413.04
422.36-666.83
426 0.46 0.50 0.08 0.50 0.08 0.04 315.29 -90.51 -62.34
287.12-103.14
449 0.11 0.44 -0.26 -0.23 0.41 -0.16 -0.02 -85.71 -32.53 -
53.2041.58
448 0.43 1.89 -0.48 1.68 -0.27 -0.66 289.57 -61.22 285.84 -
57.49-36.00
396 187 425 1.59 -8.69e-03 -3.54 -3.37 -0.18 0.75 1138.82 -247.25 427.59
463.98-692.79
426 0.52 0.45 -0.39 0.44 -0.39 0.06 366.59 -89.12 -48.46
325.93-129.90
449 0.04 -7.90e-03 -0.25 -0.22 -0.05 -0.09 -4.55 -30.56 -20.29 -
14.8112.71
448 0.43 1.87 -1.04 1.73 -0.90 -0.62 311.11 -28.90 298.63 -
16.42-63.94
396 227 425 1.59 0.41 -3.58 -3.43 0.25 0.77 1131.65 -252.21 425.64
453.80-691.79
426 0.48 0.61 0.15 0.46 0.29 -0.21 335.86 -92.60 -64.60
307.86-105.89
449 0.11 0.30 -0.21 -0.17 0.27 -0.13 0.12 -88.30 -32.66 -
55.5242.71
448 0.44 2.07 -0.41 1.88 -0.22 -0.66 293.93 -66.02 289.51 -
61.60-39.65

397	1	423	6.06	47.12	-98.92	47.01	-98.81	3.90	273.67	-13.25	-3.05
263.47-53.12											
		587	6.28	39.52	-153.22	26.01	-139.71	49.21	66.60	5.24	14.38
57.47-21.84											
		424	6.54	30.40	-138.55	30.02	-138.17	-8.07	377.02	128.91	199.27
306.65-111.83											
397	17	423	5.86	51.40	-97.02	50.83	-96.45	9.20	239.59	-2.43	5.15
232.01-42.14											
		587	6.16	46.03	-153.54	29.83	-137.34	54.50	35.28	13.30	22.57
26.01-10.86											
		424	6.32	33.88	-135.85	33.83	-135.80	-2.78	347.72	134.95	207.47
275.19-100.85											
397	105	423	4.66	36.16	-75.95	36.08	-75.87	2.99	210.47	-10.09	-2.19
202.58-40.97											
		587	4.82	30.38	-117.56	19.99	-107.17	37.81	51.15	4.05	11.09
44.10-16.80											
		424	5.02	23.27	-106.37	22.97	-106.08	-6.17	289.88	99.09	153.26
235.71-86.03											
397	157	423	4.60	35.61	-75.01	35.54	-74.94	2.87	210.20	-9.40	-1.20
202.00-41.65											
		587	4.75	30.25	-115.65	19.87	-105.26	37.52	50.63	4.12	11.30
43.45-16.80											
		424	4.96	22.50	-105.02	22.22	-104.74	-5.91	289.02	98.63	153.07
234.58-86.03											
397	164	423	4.60	35.61	-75.01	35.54	-74.94	2.87	210.20	-9.40	-1.20
202.00-41.65											
		587	4.75	30.25	-115.65	19.87	-105.26	37.52	50.63	4.12	11.30
43.45-16.80											
		424	4.96	22.50	-105.02	22.22	-104.74	-5.91	289.02	98.63	153.07
234.58-86.03											
397	173	423	5.03	34.75	-83.45	34.75	-83.45	0.22	239.74	-10.50	-0.55
229.79-48.90											
		587	5.11	27.68	-122.37	19.09	-113.77	34.87	79.77	3.42	11.95
71.25-24.05											
		424	5.41	21.98	-113.80	21.44	-113.25	-8.56	315.99	100.10	153.72
262.38-93.28											
397	227	423	4.61	36.49	-75.24	36.43	-75.17	2.64	208.30	-12.82	-0.97
196.45-49.80											
		587	4.86	29.85	-117.20	19.58	-106.93	37.48	56.79	-6.06	7.72
43.00-26.01											
		424	5.02	23.93	-105.98	23.64	-105.68	-6.18	289.56	103.16	156.08
236.63-84.05											
398	7	450	2.39	18.31	-66.65	2.08	-50.43	-33.39	46.33	-96.35	34.09	-
84.11-39.96											
		451	4.17	48.23	-123.69	31.13	-106.60	51.44	-94.95	-230.16	-220.94	-
104.17-34.10											
		38	6.07	-24.45	-164.22	-27.17	-161.51	-19.29	-217.07	-697.05	-218.67	-
695.4427.71											
		37	2.39	6.36	-25.85	-3.91	-15.58	15.01	-34.85	-578.63	-47.90	-
565.58-83.21											
398	29	450	2.56	9.39	-59.40	5.59	-55.59	-15.72	201.84	-241.70	154.31	-
194.17137.20											
		451	5.85	50.81	-140.16	23.72	-113.07	66.62	-102.58	-500.51	-129.85	-
473.24100.54											
		38	7.46	-31.90	-166.80	-31.91	-166.79	0.68	-292.74	-1082.00	-293.73	-
1081.01-27.94											
		37	3.20	15.80	-48.65	-9.58	-23.27	31.49	-79.90	-686.77	-80.10	-
686.57-11.06											
398	119	450	1.87	8.06	-45.41	4.26	-41.62	-13.73	133.11	-167.82	105.06	-
139.7787.48											
		451	4.25	37.67	-105.73	18.01	-86.07	49.33	-90.38	-343.62	-107.69	-
326.3163.91											
		38	5.58	-23.42	-127.22	-23.42	-127.21	-0.74	-215.70	-789.74	-216.13	-
789.31-15.63											
		37	2.35	10.72	-35.27	-7.36	-17.19	22.46	-58.34	-513.23	-58.85	-
512.71-15.36											
398	160	450	1.68	14.20	-45.08	4.33	-35.22	-22.08	33.24	-91.61	32.92	-
91.29-6.30											
		451	2.95	29.73	-94.99	15.97	-81.22	39.08	-128.64	-148.78	-147.13	-

130.28-5.52
38 4.73 -16.67 -121.57 -17.10 -121.15 -6.65 -162.90 -568.15 -163.46 -
567.5915.05
37 1.82 2.88 -24.29 -7.81 -13.60 13.27 -38.43 -436.69 -44.96 -
430.16-50.60
398 164 450 1.75 15.87 -46.01 4.04 -34.18 -24.33 25.09 -86.15 16.40 -
77.46-29.85
451 2.94 28.87 -92.62 16.44 -80.18 36.83 -74.63 -164.92 -158.39 -
81.16-23.39
38 4.53 -15.37 -120.87 -16.13 -120.12 -8.91 -150.93 -516.17 -152.32 -
514.7822.46
37 1.72 1.37 -21.28 -7.34 -12.57 11.02 -31.49 -421.89 -40.92 -
412.46-59.94
398 191 450 1.86 9.31 -44.94 0.58 -36.20 -19.93 84.22 -213.37 -17.84 -
111.30141.27
451 4.04 28.79 -97.52 13.48 -82.21 41.23 -99.59 -417.47 -227.49 -
289.58155.88
38 5.30 -16.04 -122.33 -16.24 -122.14 -4.51 -181.70 -744.89 -205.89 -
720.70114.18
37 1.91 4.12 -27.30 -8.59 -14.59 15.42 -53.15 -405.05 -56.19 -
402.0132.58
398 198 450 1.64 17.67 -46.71 4.71 -33.74 -25.82 90.13 -93.65 79.33 -
82.8443.23
451 3.09 27.93 -91.44 17.31 -80.82 33.99 -72.06 -179.11 -120.67 -
130.5053.30
38 5.05 -16.16 -123.71 -17.19 -122.68 -10.50 -167.89 -649.55 -170.68 -
646.7636.55
37 1.73 -2.45 -16.88 -8.52 -10.81 7.13 -48.39 -440.63 -53.97 -
435.05-46.45
399 15 451 3.88 53.71 -101.63 48.22 -96.14 -28.67 10.17 -208.57 -137.76 -
60.63102.34
452 5.88 32.26 -172.02 -44.95 -94.81 99.06 145.61 -222.00 -50.41 -
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39 3.74 -3.92 -91.50 -24.13 -71.29 36.90 200.39 -290.64 49.77 -
140.02226.44
38 6.70 -57.16 -230.82 -114.49 -173.49 81.67 -151.33 -518.43 -162.38 -
507.3762.73
399 95 451 4.99 41.81 -113.59 33.30 -105.08 -35.35 525.49 -530.58 -263.85
258.77-458.84
452 8.38 54.16 -141.22 7.57 -94.63 83.26 1014.26 -170.87 -49.87
893.26-358.84
39 4.41 -13.20 -95.67 -18.78 -90.09 20.71 641.31 82.37 82.41
641.27 4.69
38 4.81 -15.53 -183.09 -29.54 -169.07 46.39 47.11 -454.92 -127.36 -
280.45-239.06
399 123 451 3.48 32.54 -85.39 32.30 -85.14 -5.37 -142.69 -321.86 -146.07 -
318.47-24.39
452 5.15 45.04 -144.49 -18.05 -81.40 89.31 -65.28 -356.85 -71.50 -
350.6342.11
39 4.24 -2.95 -96.12 -29.64 -69.44 42.12 -29.19 -544.71 -70.27 -
503.63139.60
38 6.15 -28.74 -184.30 -72.88 -140.16 70.13 -181.25 -711.77 -181.38 -
711.64-8.04
399 160 451 2.53 26.29 -77.88 22.97 -74.56 -18.29 -136.41 -143.03 -142.84 -
136.60-1.10
452 3.91 43.56 -115.09 -3.64 -67.89 72.53 -51.48 -134.41 -78.19 -
107.7138.75
39 3.18 -4.24 -74.16 -15.84 -62.56 26.01 -17.94 -375.30 -79.94 -
313.30135.32
38 5.10 -11.71 -144.31 -31.29 -124.73 47.04 -160.46 -567.35 -160.70 -
567.11-9.88
399 164 451 2.45 27.22 -76.84 22.54 -72.15 -21.58 -82.83 -141.07 -137.89 -
86.0113.23
452 3.71 41.01 -110.50 -4.01 -65.48 69.24 -7.33 -111.67 -75.13 -
43.8749.78
39 2.90 -3.92 -69.33 -13.10 -60.15 22.72 7.20 -323.21 -68.47 -
247.54138.84
38 4.86 -11.37 -139.57 -28.62 -122.32 43.75 -151.97 -514.83 -152.01 -
514.79-3.60

399	191	451	2.89	22.96	-73.26	20.26	-70.56	-15.87	8.76	-397.28	-112.79	-275.73185.96
		452	5.54	45.28	-115.34	-6.17	-63.89	74.95	-8.01	-560.68	-98.55	-470.14204.54
		39	4.48	0.04	-72.35	-13.74	-58.56	28.43	-82.01	-756.64	-151.97	-686.68205.69
		38	5.79	-7.61	-142.36	-29.23	-120.74	49.46	-175.67	-729.40	-187.84	-717.2381.19
399	214	451	2.84	26.97	-78.07	21.65	-72.75	-23.02	12.82	-300.43	-137.91	-149.70156.51
		452	4.66	39.33	-109.77	-4.61	-65.83	67.97	57.51	-320.65	-76.49	-186.64180.88
		39	3.97	-6.22	-69.16	-14.65	-60.73	21.44	-74.45	-651.98	-133.35	-593.08174.78
		38	5.46	-13.88	-139.43	-30.10	-123.22	42.10	-174.50	-680.17	-176.92	-677.7634.84
400	15	452	2.51	-8.52	-75.44	-9.31	-74.65	7.21	154.90	-256.04	-49.14	-52.00205.47
		453	5.43	35.25	-140.68	-61.52	-43.91	87.52	313.35	-155.32	60.25	97.79233.58
		40	2.69	11.35	-36.09	-24.63	-0.10	20.30	410.62	-98.83	-5.05	316.84197.43
		39	5.82	-0.63	-173.78	-83.11	-91.30	86.48	303.93	-223.53	88.23	-7.83259.32
400	95	452	5.79	2.74	-81.71	0.49	-79.46	13.60	944.53	-95.77	-28.95	877.71-255.04
		453	7.54	52.14	-121.70	-24.43	-45.14	86.30	1382.36	163.46	195.77	1350.05-195.81
		40	6.21	40.18	-30.03	21.78	-11.64	30.87	1621.56	326.06	326.08	1621.54-5.06
		39	6.12	43.24	-137.20	-0.22	-93.74	77.16	763.09	82.25	82.70	762.63-17.60
400	123	452	3.28	4.35	-75.76	-4.72	-66.69	25.38	-73.72	-392.86	-92.88	-373.7075.81
		453	4.68	45.10	-123.32	-36.17	-42.05	84.16	38.61	-314.42	6.93	-282.73100.91
		40	2.44	21.00	-53.50	-20.75	-11.75	36.98	50.16	-193.06	-32.08	-110.82115.06
		39	5.40	15.57	-148.51	-54.24	-78.69	81.12	8.40	-456.77	-44.35	-404.03147.49
400	160	452	1.89	-1.85	-58.43	-3.16	-57.12	8.52	-38.74	-159.10	-74.17	-123.6754.86
		453	3.37	35.33	-92.87	-26.13	-31.40	64.04	79.97	-91.71	35.96	-47.7074.95
		40	1.64	21.21	-23.03	2.95	-4.77	21.78	203.33	-16.36	49.88	137.09100.82
		39	4.02	21.82	-106.37	-16.30	-68.25	58.60	9.77	-279.25	-54.23	-215.26120.00
400	164	452	1.58	-2.90	-55.41	-3.28	-55.03	4.45	-0.09	-124.48	-65.85	-58.7362.09
		453	3.18	32.15	-87.82	-26.35	-29.32	59.97	113.23	-51.22	43.58	18.4481.26
		40	1.56	19.69	-16.70	5.68	-2.69	17.71	258.67	7.36	61.83	204.20103.54
		39	3.75	20.80	-100.35	-13.39	-66.17	54.52	38.31	-230.10	-42.37	-149.42123.07
400	191	452	3.29	-4.04	-54.64	-4.54	-54.14	5.01	-23.06	-561.21	-97.09	-487.18185.36
		453	4.61	32.28	-88.79	-28.08	-28.43	60.53	44.15	-619.80	-17.00	-558.66191.99
		40	2.29	17.81	-18.83	0.77	-1.79	18.27	21.43	-441.31	-38.79	-381.09155.69
		39	5.01	18.24	-101.61	-18.10	-65.27	55.09	-47.83	-651.58	-113.35	-586.06187.80
400	214	452	2.41	-3.66	-55.62	-3.85	-55.42	3.21	62.69	-335.78	-69.45	-203.63187.60
		453	3.95	30.79	-87.21	-26.56	-29.86	58.98	125.47	-299.68	25.77	-199.99180.13
		40	1.95	17.28	-17.17	3.75	-3.64	16.82	31.16	-332.33	-26.88	-

274.28133.15											
	39	4.62	18.23	-100.03	-14.95	-66.85	53.13	-51.31	-551.05	-106.32	-
496.04156.42											
401 15	453	1.94	-32.94	-54.47	-53.81	-33.61	3.72	284.36	-169.46	33.61	
81.29225.65											
	454	3.60	13.00	-101.27	-67.81	-20.46	52.00	265.54	-65.57	70.81	
129.15162.97											
	41	2.00	11.31	-8.16	-7.95	11.10	-2.01	460.58	23.95	48.35	
436.18100.30											
	40	3.77	31.28	-73.58	-32.10	-10.19	51.27	432.74	-49.89	51.45	
331.39196.57											
401 103	453	5.35	-24.35	-48.57	-43.53	-29.39	9.83	1395.71	187.93	190.84	
1392.81-59.15											
	454	6.63	26.02	-97.78	-55.37	-16.40	58.76	1680.06	278.04	283.30	
1674.80-85.69											
	41	7.23	18.82	5.96	9.93	14.85	5.94	2002.90	344.14	344.82	
2002.22-33.70											
	40	6.31	52.46	-66.50	-8.14	-5.89	59.47	1650.25	281.83	282.59	
1649.4932.34											
401 156	453	3.63	-19.81	-35.57	-32.41	-22.97	6.31	932.81	132.41	133.45	
931.78-28.79											
	454	4.55	19.13	-73.36	-41.23	-13.00	44.04	1128.30	198.33	201.04	
1125.59-50.10											
	41	4.98	13.45	5.73	8.20	10.99	3.60	1377.08	242.28	242.55	
1376.81-17.56											
	40	4.40	40.04	-49.58	-4.67	-4.88	44.81	1127.73	195.18	196.48	
1126.4434.76											
401 159	453	1.17	-25.56	-32.35	-32.35	-25.56	0.18	159.70	-81.20	37.64	
40.86120.44											
	454	2.30	11.78	-68.38	-40.98	-15.62	38.02	162.65	-5.79	75.33	
81.5484.16											
	41	1.31	9.27	3.11	4.06	8.32	-2.22	335.01	58.83	69.95	
323.8954.28											
	40	2.56	31.57	-46.49	-7.46	-7.45	39.03	287.05	-11.26	51.52	
224.27121.60											
401 164	453	0.98	-23.51	-27.26	-25.43	-25.34	-1.87	116.05	-45.11	46.66	
24.2879.80											
	454	1.97	13.50	-61.45	-32.43	-15.52	36.51	133.54	25.65	91.28	
67.9252.66											
	41	1.21	13.30	6.69	11.84	8.15	-2.74	320.98	89.00	94.99	
314.9936.80											
	40	2.37	38.53	-39.97	5.71	-7.16	38.72	252.01	9.48	60.66	
200.8398.96											
401 190	453	2.48	-21.18	-26.05	-24.47	-22.75	-2.28	602.57	112.30	112.40	
602.47-6.84											
	454	3.17	15.08	-59.46	-31.45	-12.93	36.10	734.28	173.35	174.38	
733.26-23.90											
	41	3.53	18.24	9.42	16.92	10.73	-3.14	986.65	208.91	208.93	
986.63-3.79											
	40	3.21	42.13	-36.00	10.71	-4.57	38.31	789.02	153.53	157.23	
785.3248.35											
401 215	453	1.33	-24.04	-25.99	-25.27	-24.77	-0.94	244.25	63.08	64.63	
242.69-16.70											
	454	2.29	14.44	-61.72	-32.41	-14.86	37.05	343.80	122.42	124.18	
342.04-19.66											
	41	3.13	14.74	8.34	13.91	9.17	-2.15	881.53	202.10	202.35	
881.28 13.14											
	40	3.04	41.08	-39.53	7.74	-6.19	39.70	688.06	140.29	149.77	
678.5771.45											
402 15	454	2.70	-6.80	-75.40	-63.21	-18.98	-26.22	261.89	-64.13	69.85	
127.91160.41											
	455	2.03	-24.92	-77.35	-62.22	-40.05	23.76	161.43	-28.89	45.95	
86.5992.97											
	42	1.82	7.36	-42.29	-16.57	-18.36	-24.81	324.92	45.67	45.67	
324.92-0.32											
	41	2.67	25.52	-31.37	-15.53	9.68	25.50	464.28	25.26	50.92	
438.62103.00											
402 95	454	6.13	16.58	-69.18	-36.01	-16.59	-41.76	1664.01	337.35	345.19	
1656.17-101.65											

		455	6.79	-21.40	-44.19	-29.14	-36.45	10.79	1749.09	316.84	328.00
1737.93	-125.94										
		42	7.47	47.49	-42.11	20.07	-14.69	-41.29	2007.75	379.17	390.58
1996.34	-135.87										
		41	7.00	38.66	7.25	31.04	14.87	13.46	1999.80	401.79	404.44
1997.15	-65.07										
	402	152	454	4.13	11.19	-52.65	-28.34	-13.12	-31.00	1117.44	238.04	242.32
1113.15	-61.22										
			455	4.63	-16.16	-35.39	-23.17	-28.38	9.25	1171.11	219.86	226.94
1164.03	-81.75										
			42	5.15	34.30	-32.03	13.92	-11.65	-30.60	1369.40	261.52	269.70
1361.21	-94.87										
			41	4.83	29.34	3.97	22.27	11.04	11.38	1374.92	280.87	282.24
1373.55	-38.73										
	402	163	454	1.84	2.91	-50.04	-32.25	-14.89	-25.01	281.27	116.09	120.63
276.73	27.00										
			455	1.65	-14.82	-43.09	-27.81	-30.09	14.09	265.32	94.35	94.42
265.25	-3.41										
			42	2.06	21.87	-30.29	4.93	-13.35	-24.42	459.16	103.37	109.11
453.42	-44.82										
			41	2.11	27.62	-5.91	12.72	8.99	16.66	527.22	129.66	130.68
526.20	20.13										
	402	164	454	1.68	1.18	-49.10	-32.49	-15.43	-23.65	130.13	29.12	91.47
67.78	49.10										
			455	1.08	-13.84	-44.86	-28.06	-30.64	15.45	71.07	31.61	62.05
40.62	16.57										
			42	1.38	19.84	-29.66	4.08	-13.89	-23.06	233.72	63.54	69.86
227.41	-32.18										
			41	1.57	28.24	-7.97	11.82	8.45	18.03	321.22	89.23	94.59
315.86	34.85										
	402	190	454	2.97	10.45	-55.16	-31.65	-13.06	-31.46	735.52	185.37	185.52
735.37	-9.16										
			455	3.13	-20.08	-35.40	-27.21	-28.27	7.64	751.02	162.19	164.30
748.90	-35.22										
			42	3.69	30.44	-34.23	7.74	-11.53	-30.87	945.57	187.53	193.13
939.98	-64.90										
			41	3.56	23.71	2.73	15.63	10.82	10.21	987.76	209.63	209.65
987.73	-4.40										
	402	215	454	1.73	1.13	-48.41	-32.50	-14.78	-23.14	343.77	122.46	124.52
341.71	-21.27										
			455	2.01	-13.48	-44.75	-28.14	-30.09	15.61	358.48	102.76	107.56
353.68	-34.72										
			42	3.33	21.15	-28.20	5.96	-13.01	-22.78	853.02	186.08	189.94
849.16	-50.58										
			41	3.26	30.53	-7.12	13.92	9.48	18.69	881.43	201.41	201.67
881.17	13.27										
	403	7	455	3.10	24.54	-100.67	-29.09	-47.05	-61.96	91.40	26.84	77.67
40.58	26.42										
			456	2.35	3.03	-90.67	-1.20	-86.45	19.44	0.02	-60.50	-46.39	-
14.09	25.59										
			43	4.13	12.45	-131.00	-4.74	-113.82	-46.58	-17.66	-198.50	-59.55	-
156.61	-76.29										
			42	1.55	20.68	-13.51	20.28	-13.11	-3.68	323.53	100.67	111.62	
312.59	-48.16										
	403	95	455	7.51	33.07	-116.58	-29.12	-54.39	-73.75	1738.72	343.61	350.25	
1732.08	-96.03										
			456	8.35	-1.91	-93.96	-2.36	-93.51	6.37	1711.52	232.27	236.94	
1706.85	-82.98										
			43	8.47	12.35	-146.41	-13.49	-120.57	-58.60	1600.97	266.29	284.87	
1582.39	-156.37										
			42	7.48	19.37	-27.11	12.93	-20.67	-16.05	2019.71	419.58	432.11	
2007.18	-141.04										
	403	152	455	5.20	24.04	-88.18	-23.20	-40.94	-55.40	1163.30	236.99	241.15	
1159.14	-61.94										
			456	5.77	-1.99	-71.56	-2.54	-71.02	6.12	1138.83	151.01	153.88	
1135.96	-53.19										
			43	5.88	7.97	-110.99	-11.23	-91.79	-43.76	1054.83	171.60	186.20	
1040.22	-112.64										
			42	5.12	13.34	-19.32	9.04	-15.02	-11.04	1377.73	288.47	297.55	

1368.65-99.02
403 161 455 2.14 11.82 -76.50 -28.70 -35.98 -44.01 50.37 -20.28 49.47 -19.387.90
456 1.90 -3.12 -70.41 -7.61 -65.92 16.79 -35.14 -63.96 -37.43 -61.677.80
43 3.12 -4.47 -99.34 -17.36 -86.45 -32.50 -5.72 -188.61 -36.47 -157.85-68.41
42 0.89 2.62 -10.18 2.61 -10.18 0.20 190.16 47.19 61.29 176.06-42.62
403 164 455 2.33 15.12 -78.62 -28.39 -35.12 -46.75 65.07 25.49 57.42 33.1315.63
456 1.71 -4.00 -68.29 -7.24 -65.05 14.06 -4.78 -40.41 -30.61 -14.5915.91
43 3.03 -1.92 -100.43 -16.77 -85.58 -35.24 6.18 -144.28 -27.79 -110.31-62.91
42 1.02 3.66 -9.81 3.16 -9.31 -2.53 237.44 62.63 71.05 229.02-37.43
403 195 455 3.28 8.27 -70.93 -29.79 -32.87 -39.57 -51.54 -676.66 -56.34 -671.8654.58
456 4.16 -1.00 -70.10 -8.30 -62.81 21.23 -141.76 -731.19 -145.92 -727.0349.34
43 4.97 -6.34 -93.57 -16.57 -83.34 -28.06 -163.74 -829.58 -165.92 -827.40-38.02
42 1.91 4.79 -8.89 2.97 -7.07 4.64 -65.45 -480.72 -65.56 -480.62-6.51
403 214 455 2.59 15.01 -78.89 -28.29 -35.59 -46.81 25.32 -293.96 11.39 -280.0365.22
456 2.89 -4.16 -68.59 -7.39 -65.36 14.06 -76.41 -361.82 -85.65 -352.5850.52
43 4.94 -3.26 -100.85 -18.09 -86.02 -35.03 -154.10 -769.86 -157.99 -765.97-48.77
42 1.68 1.99 -10.95 1.29 -10.25 -2.94 -46.54 -392.97 -47.82 -391.68-21.08
404 7 456 4.16 35.42 -133.70 0.55 -98.83 -68.42 30.58 -73.07 -55.12 12.6339.22
457 4.18 47.20 -137.28 22.19 -112.27 63.16 -15.08 -116.46 -106.76 -24.7829.82
44 5.76 -22.12 -184.91 -24.37 -182.66 -19.02 -108.76 -471.48 -136.15 -444.0995.84
43 3.65 -8.80 -107.03 -8.80 -107.02 0.81 -54.95 -355.79 -97.69 -313.05-105.04
404 95 456 9.35 41.43 -151.08 -0.12 -109.53 -79.20 1739.37 246.29 248.01 1737.64-50.76
457 9.56 35.38 -138.39 20.03 -123.04 49.31 1672.50 188.96 190.93 1670.53-54.00
44 9.01 -26.16 -198.09 -31.47 -192.79 -29.74 1267.82 216.50 217.66 1266.6734.84
43 7.73 -15.52 -119.53 -16.99 -118.07 -12.26 1456.33 241.53 266.77 1431.09-173.25
404 152 456 6.58 30.34 -114.13 -0.95 -82.84 -59.51 1160.24 159.75 160.66 1159.33-30.20
457 6.73 26.99 -105.90 14.35 -93.26 38.98 1112.45 116.44 117.53 1111.36-32.91
44 6.29 -21.00 -150.48 -24.65 -146.84 -21.42 801.65 130.62 132.21 800.0532.72
43 5.30 -12.82 -90.36 -13.72 -89.47 -8.30 943.94 149.52 169.98 923.47-125.84
404 160 456 2.77 15.58 -97.24 -6.87 -74.79 -45.04 -9.29 -81.74 -45.47 -45.5636.22
457 3.34 29.88 -107.98 7.23 -85.32 51.09 -37.55 -105.88 -81.98 -61.4532.58
44 4.44 -27.44 -138.86 -27.84 -138.46 -6.69 -85.14 -397.49 -105.57 -377.0677.23
43 2.83 -18.01 -82.07 -18.31 -81.77 4.35 -47.39 -303.98 -69.55 -281.82-72.08
404 164 456 3.00 20.36 -100.61 -6.57 -73.68 -50.32 20.20 -48.55 -35.10 6.7527.27
457 3.01 26.46 -103.18 7.49 -84.21 45.81 -9.07 -81.57 -73.19 -17.4523.18
44 4.26 -26.24 -138.64 -27.53 -137.35 -11.97 -76.89 -352.74 -96.67 -

332.9671.17											
	43	2.66	-17.95	-80.68	-17.96	-80.66	-0.93	-28.99	-259.41	-59.00	-
229.40-77.55											
404 191	456	4.29	12.43	-90.44	-7.94	-70.06	-41.00	-152.59	-720.39	-160.94	-
712.0368.37											
	457	5.25	32.97	-107.36	6.20	-80.60	55.13	-187.52	-723.43	-195.05	-
715.9063.08											
	44	6.60	-26.79	-133.80	-26.86	-133.73	-2.64	-228.52	-1048.00	-240.61	-
1035.9098.83											
	43	5.00	-16.22	-78.20	-17.38	-77.04	8.39	-204.14	-955.56	-207.01	-
952.69-46.34											
404 214	456	3.38	20.38	-100.72	-6.38	-73.96	-50.25	-76.26	-345.31	-90.36	-
331.2159.95											
	457	4.06	26.46	-103.50	7.39	-84.43	45.98	-125.74	-379.36	-133.57	-
371.5343.86											
	44	6.56	-27.73	-138.72	-29.00	-137.45	-11.80	-221.08	-1013.99	-229.19	-
1005.8879.80											
	43	4.88	-19.90	-81.21	-19.91	-81.19	-0.89	-182.55	-890.25	-188.81	-
883.99-66.27											
405 15	457	3.28	0.57	-111.36	-3.32	-107.47	-20.50	109.40	-158.87	-56.99	
7.53130.20											
	458	5.48	26.73	-176.86	-63.79	-86.34	101.17	155.40	-91.72	14.83	
48.85122.39											
	45	2.95	-13.15	-85.95	-37.85	-61.25	34.47	207.57	-157.87	21.48	
28.21182.69											
	44	6.30	-53.36	-224.51	-94.14	-183.73	72.91	-57.11	-359.08	-90.96	-
325.2395.26											
405 95	457	9.06	17.99	-120.07	16.72	-118.80	-13.17	1665.26	202.96	203.36	
1664.85-24.26											
	458	8.98	57.58	-166.77	-15.43	-93.77	105.11	1755.46	295.36	309.01	
1741.82140.50											
	45	7.59	11.37	-90.27	-3.84	-75.06	36.26	1715.65	296.39	332.59	
1679.44223.77											
	44	9.28	-2.84	-214.45	-28.85	-188.44	69.47	1323.81	221.58	229.31	
1316.0891.93											
405 152	457	6.34	13.44	-91.33	12.21	-90.10	-11.30	1107.01	126.08	126.19	
1106.90-9.94											
	458	6.32	42.70	-126.56	-12.94	-70.92	79.51	1174.32	196.54	206.69	
1164.1899.09											
	45	5.20	7.56	-67.62	-3.62	-56.44	26.75	1145.65	191.56	221.14	
1116.06165.38											
	44	6.52	-3.72	-163.21	-23.23	-143.69	52.27	844.08	135.38	141.44	
838.0165.28											
405 160	457	2.31	9.56	-84.66	7.65	-82.75	-13.28	-16.05	-130.41	-79.83	-
66.6256.80											
	458	3.92	37.39	-121.58	-20.12	-64.07	76.39	44.30	-58.47	-2.22	-
11.9551.15											
	45	2.34	2.28	-61.19	-9.88	-49.03	24.98	95.20	-167.67	-11.50	-
60.97129.09											
	44	4.87	-11.74	-156.73	-31.99	-136.48	50.26	-89.38	-344.93	-94.83	-
339.4836.92											
405 164	457	2.49	11.78	-85.56	7.96	-81.74	-18.90	6.04	-98.96	-70.44	-
22.4846.70											
	458	3.58	32.52	-115.45	-19.88	-63.06	70.76	55.28	-27.94	5.10	
22.2440.72											
	45	2.03	-0.15	-55.84	-7.97	-48.02	19.35	106.43	-137.57	-4.40	-
26.74121.48											
	44	4.59	-13.66	-151.83	-30.02	-135.47	44.64	-81.53	-299.52	-85.71	-
295.3329.91											
405 191	457	4.42	10.69	-82.28	6.85	-78.44	-18.51	-182.06	-736.16	-196.45	-
721.7888.11											
	458	4.83	33.33	-114.15	-21.07	-59.75	71.16	-119.53	-673.61	-119.97	-
673.1715.54											
	45	3.84	0.01	-53.43	-8.71	-44.71	19.75	-127.53	-743.54	-145.61	-
725.46103.98											
	44	6.71	-13.55	-149.26	-30.65	-132.16	45.03	-227.47	-998.18	-227.76	-
997.9014.83											
405 214	457	3.35	11.66	-85.69	7.91	-81.94	-18.73	-114.49	-393.04	-130.99	-
376.5465.76											

	458	4.26	32.73	-115.78	-19.71	-63.33	70.98	-47.61	-347.18	-56.06	-338.7449.58
	45	3.93	-1.44	-56.68	-9.57	-48.55	19.57	-112.95	-736.16	-139.53	-709.59125.93
	44	6.73	-15.05	-152.12	-31.55	-135.62	44.60	-216.23	-969.79	-217.99	-968.0436.32
406 15	458	1.99	-45.00	-72.19	-50.34	-66.86	10.80	163.93	-121.83	13.07	29.03142.66
	459	4.33	25.69	-142.60	-85.87	-31.04	79.55	204.36	29.73	91.08	143.0183.37
	46	2.46	17.26	-28.94	-20.17	8.49	18.11	455.98	14.02	27.75	442.2576.70
	45	4.67	8.35	-141.56	-60.68	-72.54	74.72	302.79	-93.41	61.04	148.34193.23
406 95	458	7.28	-13.08	-64.76	-18.60	-59.24	15.96	1748.92	305.63	324.76	1729.78165.09
	459	7.26	49.50	-114.77	-42.27	-23.00	81.57	1779.84	422.22	435.23	1766.83132.26
	46	7.64	45.88	-4.14	27.62	14.12	24.08	2138.34	463.74	472.49	2129.59120.73
	45	8.00	50.40	-110.99	2.89	-63.47	73.56	1819.53	321.67	347.46	1793.75194.83
406 152	458	5.00	-11.51	-49.71	-15.07	-46.15	11.11	1169.14	203.77	218.15	1154.75116.95
	459	5.05	36.08	-87.80	-33.41	-18.31	61.48	1197.53	294.10	303.37	1188.2691.04
	46	5.27	33.22	-2.79	20.17	10.26	17.31	1471.81	322.07	328.46	1465.4185.51
	45	5.57	36.62	-85.10	0.92	-49.40	55.42	1225.00	213.29	234.08	1204.21143.54
406 160	458	1.43	-18.06	-53.12	-20.68	-50.49	9.23	55.66	-72.93	5.21	-22.4862.79
	459	2.82	28.20	-90.94	-39.81	-22.93	58.97	112.81	35.98	94.31	54.4832.85
	46	1.50	24.35	-6.55	12.01	5.79	15.13	328.23	86.80	95.81	319.2245.76
	45	3.25	26.80	-89.33	-8.77	-53.76	53.53	130.28	-90.96	10.79	28.52110.26
406 164	458	1.16	-19.60	-50.33	-20.01	-49.92	3.53	63.75	-39.70	12.33	11.7251.72
	459	2.50	23.14	-84.73	-39.23	-22.36	53.27	112.49	64.44	99.13	77.8021.53
	46	1.41	19.79	-0.26	13.16	6.36	9.43	348.37	95.29	101.02	342.6437.65
	45	2.93	22.64	-83.35	-7.53	-53.19	47.83	145.38	-64.25	18.31	62.82102.43
406 191	458	3.52	-20.86	-53.33	-21.39	-52.79	4.12	-113.56	-684.96	-114.44	-684.0822.43
	459	3.36	21.56	-87.24	-40.45	-25.23	53.86	-21.75	-590.59	-21.92	-590.41-9.91
	46	1.37	19.04	-2.98	12.57	3.49	10.03	-28.63	-328.46	-29.58	-327.5116.91
	45	4.39	21.85	-86.16	-8.25	-56.06	48.42	-104.67	-648.24	-118.00	-634.9184.09
406 214	458	2.37	-19.47	-50.69	-19.94	-50.22	3.81	-41.82	-361.78	-52.80	-350.7958.25
	459	2.84	23.44	-85.26	-39.04	-22.78	53.73	36.86	-287.39	35.56	-286.0920.54
	46	1.41	19.11	-1.79	11.70	5.62	10.00	-27.57	-344.86	-32.24	-340.1938.22
	45	4.36	21.55	-84.18	-8.94	-53.68	47.90	-95.92	-640.00	-116.65	-619.27104.16
407 15	459	2.22	-24.69	-84.27	-83.12	-25.83	-8.18	188.96	24.71	77.86	135.8176.84
	460	2.84	-8.27	-105.12	-84.46	-28.93	39.68	142.10	62.76	78.50	126.36-31.64
	47	1.83	-0.92	-25.79	-22.88	-3.83	-7.99	425.87	46.06	55.95	415.98-60.48
	46	3.03	35.33	-54.22	-20.67	1.78	43.34	460.97	42.70	56.83	

446.8575.55
407 103 459 6.66 -11.93 -77.24 -67.23 -21.94 -23.53 1812.24 380.76 401.06
1791.94169.24
460 6.07 -13.58 -79.00 -67.65 -24.93 24.77 1693.94 373.23 377.57
1689.6075.56
47 6.99 21.75 -26.63 -5.02 0.15 -24.05 1987.29 370.63 370.64
1987.284.05
46 7.75 29.96 -26.90 -3.02 6.09 28.07 2122.25 383.08 393.17
2112.15132.10
407 156 459 4.55 -9.74 -57.46 -49.93 -17.26 -17.39 1219.85 266.73 280.86
1205.72115.16
460 4.15 -9.80 -59.89 -50.14 -19.55 19.83 1138.14 261.44 263.78
1135.8045.27
47 4.79 16.92 -18.91 -1.73 -0.26 -17.90 1365.71 259.14 259.16
1365.68-5.03
46 5.36 24.49 -20.37 -0.25 4.36 22.31 1460.31 268.01 275.20
1453.1292.32
407 163 459 1.77 -11.46 -45.78 -37.98 -19.26 -14.38 311.79 135.10 141.40
305.4932.76
460 1.90 -4.82 -54.09 -37.47 -21.43 23.29 284.16 124.91 128.30
280.76-23.01
47 1.94 22.39 -12.07 12.48 -2.16 -15.60 522.68 123.20 129.20
516.68-48.60
46 2.33 34.16 -17.77 13.60 2.78 25.40 564.12 135.19 139.20
560.1041.28
407 164 459 1.34 -13.25 -44.85 -38.33 -19.77 -12.79 111.91 72.46 101.17
83.2017.56
460 1.74 -3.76 -56.01 -37.83 -21.95 24.89 120.06 40.94 90.52
70.48-38.27
47 1.36 20.59 -11.10 12.16 -2.67 -14.00 320.82 75.93 90.53
306.21-58.00
46 1.79 35.32 -19.78 13.27 2.27 26.99 341.82 93.95 98.13
337.6431.93
407 192 459 2.90 -12.49 -44.11 -38.08 -18.52 -12.42 721.91 204.67 214.84
711.7471.82
460 2.89 -2.48 -55.71 -37.50 -20.69 25.26 697.64 202.60 203.13
697.11 16.13
47 3.36 21.21 -9.63 13.00 -1.42 -13.63 934.14 204.97 205.74
933.37-23.61
46 3.67 36.68 -19.05 14.11 3.52 27.36 972.45 208.47 214.25
966.6766.19
407 219 459 2.04 -13.54 -44.50 -38.64 -19.40 -12.12 445.88 161.64 163.36
444.1622.03
460 2.29 -3.28 -56.54 -38.25 -21.57 25.29 429.57 150.55 152.90
427.22-25.51
47 3.51 21.39 -9.99 13.44 -2.04 -13.65 984.28 218.46 222.22
980.53-53.48
46 3.73 36.91 -19.66 14.39 2.86 27.69 1019.10 229.80 231.34
1017.5734.76
408 7 460 2.64 13.46 -90.75 -39.19 -38.11 -52.10 153.11 47.38 119.53
80.96-49.22
461 2.10 -13.20 -78.88 -19.42 -72.66 19.24 73.25 -71.05 -1.48
3.68-72.11
48 3.54 34.65 -97.29 18.06 -80.70 -43.74 144.75 -132.86 -9.01
20.90-138.00
47 2.03 38.45 -3.53 36.56 -1.64 8.71 440.24 123.98 147.26
416.97-82.58
408 95 460 7.24 21.56 -108.18 -41.47 -45.15 -64.84 1662.39 397.64 401.67
1658.3671.30
461 6.86 -19.77 -79.82 -20.26 -79.34 5.38 1467.05 258.94 261.37
1464.6254.12
48 7.61 30.57 -115.09 2.91 -87.43 -57.13 1494.98 280.87 284.52
1491.34-66.43
47 7.19 24.01 -9.36 23.29 -8.64 -4.86 1989.13 444.97 445.08
1989.02-12.99
408 152 460 5.00 15.14 -81.83 -32.76 -33.93 -48.48 1116.12 277.10 279.23
1113.9942.22
461 4.72 -15.69 -60.85 -16.35 -60.18 5.45 977.09 173.17 174.19
976.0728.53

	48	5.30	21.98	-86.98	1.41	-66.41	-42.64	1001.25	186.38	190.66	
996.97-58.84											
	47	4.95	17.45	-6.06	17.20	-5.81	-2.40	1366.85	308.82	309.10	
1366.58-16.99											
408 158	460	2.02	7.90	-71.06	-34.41	-28.75	-39.38	115.16	33.76	87.47	
61.45-38.56											
	461	1.55	-13.50	-59.63	-18.24	-54.89	14.01	53.84	-56.56	-1.39	-
1.33-55.20											
	48	2.63	17.88	-75.50	3.51	-61.13	-33.69	116.08	-98.53	0.77	
16.78-107.00											
	47	1.40	20.79	-2.54	18.98	-0.73	6.25	325.52	83.30	100.68	
308.15-62.50											
408 164	460	2.05	6.14	-73.23	-38.37	-28.72	-39.39	115.91	33.08	85.85	
63.14-39.83											
	461	1.53	-16.31	-59.76	-21.37	-54.70	13.93	55.11	-58.12	-0.46	-
2.55-56.61											
	48	2.60	12.00	-76.94	-3.96	-60.97	-34.14	123.35	-95.41	7.32	
20.61-109.18											
	47	1.32	15.10	-2.98	12.54	-0.42	6.30	321.33	75.72	92.81	
304.24-62.49											
408 189	460	3.36	7.58	-72.00	-38.22	-26.20	-39.33	-11.07	-580.61	-28.00	-
563.69-96.71											
	461	3.14	-16.04	-57.60	-21.45	-52.18	13.99	-79.27	-611.64	-105.51	-
585.39-115.25											
	48	4.14	13.48	-74.60	-2.66	-58.45	-34.08	-65.54	-605.90	-107.29	-
564.15-144.28											
	47	1.43	16.42	-0.73	13.60	2.09	6.36	-1.48	-353.07	-30.14	-
324.41-96.20											
408 218	460	2.61	6.44	-73.49	-37.99	-29.06	-39.71	36.39	-301.28	27.27	-
292.16-54.74											
	461	2.39	-16.26	-59.76	-21.10	-54.93	13.68	-34.92	-368.13	-57.15	-
345.91-83.14											
	48	4.31	11.09	-77.46	-5.04	-61.33	-34.18	-97.64	-665.76	-123.16	-
640.24-117.67											
	47	1.51	13.66	-3.36	11.36	-1.06	5.82	-24.88	-384.98	-38.73	-
371.14-69.24											
409 7	461	3.90	28.17	-128.19	-14.29	-85.74	-69.54	64.12	-58.13	-11.42	
17.41-59.40											
	462	4.11	30.52	-134.20	12.81	-116.48	51.03	-18.45	-158.28	-125.50	-
51.23-59.24											
	49	6.32	-1.01	-193.54	-6.67	-187.89	-32.51	-133.06	-462.31	-136.29	-
459.08-32.41											
	48	2.51	7.64	-71.73	7.56	-71.65	-2.45	120.09	-241.58	-31.11	-
90.38-178.39											
409 73	461	7.64	9.24	-123.90	-16.68	-97.99	-52.72	1423.62	225.05	225.63	
1423.0426.43											
	462	8.50	38.57	-154.33	12.43	-128.19	66.02	1306.03	104.38	104.87	
1305.5424.26											
	49	8.06	-11.44	-201.05	-12.94	-199.56	-16.78	909.92	138.81	139.60	
909.1324.66											
	48	7.01	5.80	-85.28	4.03	-83.51	12.57	1381.86	205.95	258.57	
1329.24-243.12											
409 141	461	5.37	7.79	-95.64	-13.87	-73.97	-42.09	950.10	149.45	149.61	
949.94 11.50											
	462	6.04	28.09	-116.36	8.87	-97.14	49.07	865.55	58.17	58.30	
865.4110.36											
	49	5.67	-10.06	-153.56	-11.56	-152.06	-14.59	560.04	79.30	79.65	
559.6912.97											
	48	4.83	2.81	-63.73	1.85	-62.77	7.93	920.50	127.65	170.66	
877.49-179.59											
409 158	461	2.92	17.15	-98.27	-16.16	-64.96	-52.30	46.84	-44.78	-7.85	
9.91-44.94											
	462	3.04	20.35	-101.37	6.95	-87.97	38.09	-14.67	-115.74	-91.40	-
39.00-43.21											
	49	4.72	-10.11	-147.51	-14.85	-142.76	-25.08	-100.10	-353.00	-102.55	-
350.55-24.80											
	48	1.84	-1.09	-53.90	-1.25	-53.74	-2.91	92.01	-178.41	-17.96	-
68.44-132.83											
409 164	461	2.91	13.84	-99.37	-20.66	-64.87	-52.11	48.17	-44.93	-6.07	

9.31-45.91											
	462	3.00	17.94	-101.18	4.35	-87.59	37.88	-11.81	-112.39	-87.09	-
37.11-43.64											
	49	4.66	-16.80	-147.83	-21.99	-142.64	-25.56	-97.90	-350.73	-100.61	-
348.01-26.05											
	48	1.79	-6.06	-53.45	-6.30	-53.20	-3.42	94.93	-172.82	-12.88	-
65.01-131.31											
409	181	461	4.63	26.00	-106.98	-20.50	-60.47	-63.42	-84.64	-570.03	-100.92	-
553.74-87.40											
	462	4.07	11.93	-90.61	4.51	-83.19	26.57	-162.48	-601.18	-178.85	-
584.82-83.14											
	49	6.54	-13.62	-149.15	-24.52	-138.25	-36.87	-207.06	-903.84	-211.30	-
899.59-54.25											
	48	3.57	-4.07	-53.66	-8.91	-48.81	-14.73	-103.05	-655.44	-126.55	-
631.93-111.50											
409	218	461	3.78	14.22	-99.57	-20.27	-65.08	-52.30	-43.60	-353.15	-62.56	-
334.19-74.23											
	462	3.53	18.05	-101.15	4.60	-87.69	37.72	-108.02	-389.47	-137.34	-
360.15-85.98											
	49	6.78	-17.96	-147.88	-23.22	-142.62	-25.62	-222.13	-981.54	-224.27	-
979.40-40.26											
	48	3.90	-7.34	-53.89	-7.62	-53.61	-3.61	-110.41	-758.83	-143.42	-
725.82-142.53											
410	7	462	3.72	30.52	-128.17	21.01	-118.66	-37.67	-36.99	-136.16	-129.16	-
43.98-25.39											
	463	5.20	56.82	-164.89	-3.39	-104.67	98.61	8.29	-83.68	-76.95	
1.56-23.94											
	50	4.40	7.22	-116.72	2.61	-112.11	23.45	-68.47	-418.09	-119.26	-
367.30123.20											
	49	6.41	-8.80	-204.57	-20.52	-192.84	46.45	-131.40	-532.32	-154.69	-
509.03-93.77											
410	73	462	8.36	21.24	-133.89	18.88	-131.53	-18.99	1312.42	85.47	88.21	
1309.6757.93											
	463	8.90	66.51	-188.54	-4.52	-117.51	114.33	1347.35	133.30	137.29	
1343.3669.50											
	50	6.58	11.05	-137.90	-1.59	-125.25	41.52	1035.97	126.16	166.34	
995.79186.93											
	49	8.41	-4.61	-224.48	-23.88	-205.21	62.18	863.14	125.08	127.14	
861.08-38.91											
410	141	462	5.91	15.81	-101.87	13.52	-99.58	-16.26	870.37	45.21	46.79	
868.7936.07											
	463	6.38	49.19	-142.32	-4.34	-88.79	85.94	897.60	82.25	84.68	
895.1844.38											
	50	4.54	6.65	-103.79	-2.35	-94.79	30.22	661.07	67.60	101.05	
627.62136.87											
	49	5.96	-5.46	-170.13	-19.38	-156.21	45.80	525.49	67.14	69.86	
522.77-35.19											
410	158	462	2.71	18.21	-96.65	11.19	-89.63	-27.53	-28.93	-99.40	-94.35	-
33.98-18.18											
	463	3.84	39.41	-124.77	-6.50	-78.86	73.69	1.56	-58.99	-55.12	-
2.30-14.81											
	50	3.29	-0.65	-89.07	-4.80	-84.91	18.71	-44.06	-314.57	-81.61	-
277.0293.53											
	49	4.80	-13.12	-154.58	-21.66	-146.05	33.69	-98.20	-404.50	-114.93	-
387.77-69.60											
410	164	462	2.62	14.09	-96.30	7.03	-89.25	-27.01	-26.70	-95.93	-90.16	-
32.47-19.14											
	463	3.78	36.42	-124.71	-9.92	-78.38	72.93	1.15	-55.49	-51.40	-
2.95-14.67											
	50	3.24	-5.13	-89.24	-9.69	-84.68	19.05	-37.80	-307.83	-73.85	-
271.7791.85											
	49	4.74	-17.61	-153.86	-25.93	-145.55	32.61	-95.09	-401.24	-111.72	-
384.62-69.38											
410	181	462	4.55	21.40	-98.67	7.17	-84.44	-38.81	-168.03	-587.18	-176.21	-
579.00-57.98											
	463	4.25	27.24	-110.64	-9.81	-73.58	61.13	-129.94	-559.27	-137.39	-
551.82-56.07											
	50	4.74	-9.81	-80.63	-10.56	-79.88	7.25	-180.35	-832.10	-186.40	-
826.0562.52											

		49	6.42	-23.10	-144.42	-26.78	-140.75	20.80	-211.48	-948.83	-223.83	-936.48-94.61
410	218	462	3.76	14.26	-96.50	7.14	-89.37	-27.17	-123.27	-373.00	-140.47	-355.80-63.25
		463	3.87	36.63	-124.54	-9.38	-78.53	72.79	-66.02	-319.26	-91.89	-293.39-76.70
		50	5.09	-6.67	-89.58	-11.21	-85.05	18.86	-182.07	-866.30	-189.64	-858.7371.55
		49	6.86	-18.67	-153.71	-26.92	-145.46	32.34	-226.07	-1025.63	-235.35	-1016.35-85.65
411	7	463	2.29	-5.13	-92.56	-6.25	-91.44	9.82	-23.75	-69.81	-67.64	-25.92-9.77
		464	4.18	51.51	-132.98	-33.28	-48.19	91.95	63.03	46.46	62.95	46.54 -1.12
		51	2.13	53.45	-26.58	41.32	-14.45	28.70	316.63	76.02	103.03	289.6275.96
		50	5.26	41.53	-151.65	9.29	-119.40	72.03	-33.69	-255.81	-80.95	-208.5590.91
411	73	463	7.14	1.59	-108.01	-6.55	-99.88	28.73	1322.55	117.50	128.02	1312.03112.10
		464	6.82	65.14	-155.55	-33.51	-56.89	109.72	1317.39	218.28	236.41	1299.26140.00
		51	6.33	64.77	-48.41	39.70	-23.35	47.00	1570.52	310.05	333.29	1547.28169.57
		50	7.76	50.94	-173.07	5.48	-127.61	90.09	1178.04	156.73	185.16	1149.60168.02
411	141	463	4.97	-0.41	-81.19	-5.82	-75.79	20.19	878.30	72.25	79.16	871.3874.36
		464	4.86	48.13	-117.45	-26.57	-42.75	82.39	883.35	151.60	163.88	871.0794.02
		51	4.38	47.11	-35.16	28.91	-16.95	34.15	1076.84	213.52	230.82	1059.54120.95
		50	5.48	36.56	-131.00	2.66	-97.09	67.31	769.15	94.89	117.75	746.30122.01
411	160	463	1.74	-9.41	-71.31	-12.28	-68.44	13.01	2.55	-43.42	-43.07	2.20 4.03
		464	3.36	40.25	-108.98	-33.17	-35.55	74.60	73.47	45.40	50.99	67.88 11.21
		51	1.71	34.60	-25.56	18.88	-9.84	26.43	262.67	49.19	70.14	241.7263.51
		50	4.02	24.46	-120.82	-6.79	-89.57	59.69	9.89	-171.39	-38.05	-123.4579.95
411	164	463	1.67	-9.89	-70.03	-10.90	-69.02	7.73	-24.44	-46.73	-46.38	-24.80-2.79
		464	3.13	35.43	-103.28	-31.73	-36.13	69.32	49.20	34.60	47.08	36.72 5.15
		51	1.45	29.50	-21.62	18.29	-10.41	21.15	231.31	43.58	64.69	210.1959.31
		50	3.90	19.56	-117.13	-7.42	-90.15	54.41	-4.30	-189.20	-42.70	-150.8175.00
411	183	463	3.28	-12.61	-65.51	-13.10	-65.02	5.07	-114.31	-529.24	-118.68	-524.87-42.36
		464	3.44	33.59	-99.75	-34.03	-32.13	66.66	-13.27	-430.15	-17.62	-425.79-42.37
		51	1.64	26.89	-16.68	16.63	-6.41	18.49	-20.54	-260.15	-23.66	-257.0227.19
		50	5.00	17.46	-112.00	-8.39	-86.15	51.75	-133.62	-660.51	-138.58	-655.5550.87
411	220	463	2.65	-10.56	-70.57	-11.93	-69.20	8.97	-67.56	-330.63	-85.64	-312.55-66.54
		464	3.67	36.00	-105.12	-32.63	-36.49	70.53	46.33	-230.78	20.34	-204.79-80.79
		51	1.98	29.98	-23.34	17.67	-11.03	22.47	-27.87	-303.53	-31.90	-299.5033.12
		50	5.41	19.75	-118.15	-8.04	-90.36	55.32	-153.03	-739.47	-157.80	-734.7052.66
412	15	464	2.08	-34.09	-84.87	-77.34	-41.62	18.05	118.69	62.42	62.75	118.36-4.32
		465	3.96	30.54	-120.81	-78.20	-12.06	68.06	231.42	61.81	99.23	

194.00-70.33
52 2.21 23.95 11.81 16.70 19.07 5.95 535.11 84.35 85.45
534.01-22.26
51 3.14 50.83 -70.54 -0.89 -18.82 60.02 366.02 52.36 68.42
349.9669.13
412 73 464 5.24 -10.00 -60.40 -32.05 -38.35 25.00 1336.31 193.15 222.34
1307.12180.33
465 6.15 55.24 -104.15 -39.16 -9.75 78.33 1215.96 212.79 239.37
1189.38161.10
52 5.61 73.64 16.30 67.96 21.98 17.12 1528.12 293.56 303.69
1517.99111.42
51 6.55 94.64 -64.60 47.09 -17.05 72.88 1554.51 271.81 293.40
1532.92165.00
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877.35120.87
465 4.32 40.23 -78.92 -30.86 -7.83 58.45 822.73 155.37 171.95
806.16103.87
52 3.92 53.44 12.97 49.88 16.53 11.46 1063.37 208.58 215.02
1056.9373.93
51 4.60 69.39 -48.92 33.91 -13.44 54.21 1065.26 187.79 203.74
1049.32117.21
412 159 464 1.25 -26.20 -49.18 -43.42 -31.96 9.96 64.80 50.18 50.30
64.68 1.32
465 2.70 24.50 -80.43 -46.27 -9.66 49.17 145.59 60.98 85.66
120.91-38.46
52 1.51 25.43 13.89 25.00 14.32 2.20 369.27 81.57 81.85
369.00-8.91
51 2.30 43.40 -48.08 10.42 -15.10 43.93 248.08 42.27 57.38
232.9753.68
412 164 464 1.01 -24.55 -38.49 -31.13 -31.92 6.96 54.28 42.09 51.85
44.52 4.87
465 2.44 25.66 -71.27 -35.65 -9.95 46.73 122.72 69.34 92.80
99.26-26.49
52 1.46 34.30 14.05 34.29 14.06 0.38 337.08 94.14 94.17
337.05-2.63
51 2.26 47.27 -43.93 18.91 -15.57 42.21 223.27 42.99 61.01
205.2654.07
412 184 464 2.50 -12.90 -48.49 -31.15 -30.24 17.79 572.35 99.94 112.93
559.3677.25
465 3.49 37.13 -81.24 -35.83 -8.27 57.56 548.34 131.97 138.88
541.4353.20
52 2.99 45.28 11.49 41.03 15.74 11.21 787.57 162.14 165.33
784.3844.59
51 3.56 62.35 -50.79 25.45 -13.89 53.04 740.21 131.86 146.85
725.2294.31
412 219 464 1.66 -24.61 -38.47 -31.56 -31.52 6.93 324.61 43.59 78.66
289.5492.88
465 2.81 25.54 -71.08 -36.06 -9.48 46.44 317.47 73.90 108.02
283.3584.54
52 2.76 35.71 14.83 35.71 14.83 -0.03 750.02 169.78 171.36
748.4530.15
51 3.30 48.28 -43.01 20.17 -14.91 42.14 734.07 147.73 159.72
722.0783.00
413 15 465 2.11 -11.73 -82.86 -81.49 -13.10 -9.78 233.88 58.30 97.69
194.49-73.24
466 3.01 6.76 -87.40 -73.32 -7.32 33.58 285.29 -26.70 71.60
186.99-144.94
53 2.97 47.60 1.97 24.06 25.51 -22.80 594.07 65.75 87.85
571.96-105.78
52 2.54 55.26 -13.38 23.29 18.60 34.24 530.02 90.35 91.02
529.35-17.22
413 81 465 4.97 -9.98 -64.67 -64.63 -10.02 1.49 1258.10 181.79 214.47
1225.42184.68
466 4.87 21.94 -84.90 -58.73 -4.24 45.95 938.36 104.32 129.27
913.41142.08
53 4.81 56.67 24.09 53.05 27.70 -10.23 1282.45 200.30 202.07
1280.6943.71
52 6.20 83.63 -13.18 49.64 20.81 46.21 1566.96 260.79 269.38
1558.37105.60

413	145	465	3.35	-8.01	-47.78	-47.76	-8.02	-0.77	850.80	134.86	155.28
830.38119.18											
		466	3.35	15.53	-62.67	-43.56	-3.57	33.60	634.90	82.72	96.22
621.4085.27											
		53	3.40	44.53	16.98	40.65	20.86	-9.58	898.53	145.31	145.90
897.9421.06											
		52	4.34	62.10	-8.90	37.65	15.56	33.74	1088.46	186.41	191.86
1083.0069.92											
413	162	465	1.32	-5.31	-39.08	-34.73	-9.66	-11.32	241.70	106.58	106.64
241.64 2.96											
		466	1.63	8.83	-46.78	-32.74	-5.21	24.16	204.03	71.34	81.58
193.79-35.41											
		53	2.14	52.40	7.93	42.00	18.33	-18.82	438.37	92.81	98.01
433.16-42.09											
		52	2.15	51.42	-1.83	36.54	13.05	23.90	473.61	113.89	114.30
473.2012.08											
413	164	465	1.13	-4.38	-40.75	-35.06	-10.07	-13.22	126.41	66.64	92.26
100.79-29.58											
		466	1.72	6.81	-45.50	-33.07	-5.62	22.26	155.81	12.92	75.29
93.44-70.86											
		53	2.00	52.14	5.37	39.60	17.92	-20.72	345.16	69.87	83.91
331.12-60.58											
		52	1.69	47.88	-1.09	34.15	12.64	22.00	330.75	91.99	92.04
330.69-3.63											
413	184	465	2.06	-8.24	-35.38	-34.90	-8.72	-3.60	553.27	124.65	135.73
542.1968.03											
		466	2.36	16.35	-53.58	-32.96	-4.27	31.88	418.26	91.18	95.15
414.2835.82											
		53	2.61	52.40	15.55	48.68	19.26	-11.10	657.60	128.92	128.95
657.57 -4.13											
		52	3.28	63.44	-6.23	43.23	13.99	31.62	780.83	158.10	161.30
777.6344.54											
413	219	465	1.72	-3.79	-41.23	-35.44	-9.59	-13.54	317.85	72.82	106.49
284.1884.36											
		466	1.66	6.61	-45.12	-33.35	-5.16	21.69	229.37	62.11	86.92
204.5559.46											
		53	2.60	53.91	5.71	40.94	18.67	-21.37	602.34	133.77	134.97
601.15-23.63											
		52	2.93	48.79	0.11	35.52	13.39	21.68	743.47	167.42	169.14
741.7531.43											
414	15	466	3.44	10.77	-99.47	-78.09	-10.61	-43.58	299.89	-20.16	82.97
196.76-149.57											
		467	2.15	-20.73	-64.46	-63.37	-21.82	-6.80	176.71	-174.88	-55.54
57.38-166.48											
		54	4.05	69.22	-42.42	14.85	11.94	-55.80	561.18	-8.86	49.47
502.85-172.76											
		53	2.54	36.37	25.03	32.11	29.29	5.49	591.60	66.73	86.65
571.68-100.29											
414	81	466	4.09	9.08	-77.55	-61.51	-6.96	-33.65	962.89	133.55	170.90
925.54171.98											
		467	2.65	-17.09	-50.91	-50.00	-18.00	5.47	461.66	-133.17	-74.32
402.81177.60											
		54	3.67	77.43	-16.41	47.54	13.48	-43.72	793.52	88.73	88.75
793.50-3.22											
		53	4.96	67.05	24.16	60.41	30.80	15.51	1287.65	217.00	219.00
1285.6546.15											
414	145	466	2.88	8.34	-59.37	-45.44	-5.60	-27.38	650.47	103.77	124.57
629.67104.59											
		467	1.77	-13.67	-37.47	-37.07	-14.07	3.07	302.43	-84.60	-51.77
269.60107.84											
		54	2.66	60.37	-14.14	36.43	9.80	-34.79	559.49	63.15	63.66
558.97-16.04											
		53	3.49	49.72	19.01	45.61	23.12	10.46	902.49	157.15	157.84
901.8022.67											
414	159	466	2.36	13.88	-66.35	-44.85	-7.61	-35.53	191.60	0.56	72.86
119.30-92.65											
		467	1.25	-15.05	-38.00	-36.99	-16.06	-4.69	101.45	-105.82	-27.97
23.61-100.38											
		54	2.83	59.75	-27.25	25.07	7.43	-42.59	339.72	-9.13	35.62

294.97-116.65
53 1.73 33.78 20.34 33.37 20.75 2.31 395.11 64.62 79.20
380.53-67.86
414 164 466 2.19 19.08 -59.49 -33.21 -7.20 -37.07 163.18 11.39 79.77
94.80-75.52
467 0.96 -14.18 -29.33 -28.00 -15.50 -4.28 75.77 -84.55 -16.69
7.91-79.21
54 2.70 65.62 -24.03 35.51 6.08 -42.34 270.61 -12.11 33.76
224.75-104.23
53 1.62 40.02 19.35 39.99 19.38 0.85 349.41 74.63 88.79
335.24-60.76
414 165 466 3.07 32.52 -72.18 -32.89 -6.77 -50.70 139.96 -154.50 66.34 -
80.87-127.51
467 1.84 -2.38 -40.33 -27.63 -15.08 -17.91 82.47 -204.90 -20.71 -
101.72-137.86
54 3.36 71.95 -41.37 24.07 6.51 -55.97 208.60 -77.40 19.88
111.32-135.50
53 1.51 37.61 10.64 28.44 19.81 -12.78 207.30 10.53 62.10
155.74-86.53
414 216 466 2.99 18.04 -59.19 -33.43 -7.72 -36.41 242.99 -186.20 69.82 -
13.03-210.55
467 1.66 -15.14 -29.20 -28.29 -16.05 -3.46 162.53 -242.29 -48.91 -
30.85-202.21
54 2.81 64.02 -24.02 34.70 5.29 -41.49 213.90 -85.02 9.72
119.15-139.09
53 1.15 39.14 18.57 39.04 18.67 1.40 157.14 -46.22 39.10
71.83-100.35
415 15 467 5.12 26.16 -146.28 -73.66 -46.46 -85.14 230.65 -141.47 13.27
75.92-183.40
468 3.21 24.47 -83.23 -18.44 -40.33 -52.73 -283.78 -599.81 -596.68 -
286.9131.29
55 5.56 45.93 -149.85 -40.83 -63.09 -97.25 206.04 -211.52 -101.42
95.94-183.99
54 3.62 64.53 2.76 28.61 38.68 -30.47 595.80 -11.56 43.15
541.08-173.89
415 79 467 4.49 35.27 -149.06 -70.30 -43.49 -91.18 324.58 151.19 152.55
323.22-15.29
468 3.93 33.02 -86.43 -16.04 -37.37 -58.77 -150.54 -577.84 -496.88 -
231.50167.45
55 5.42 59.24 -149.52 -30.16 -60.12 -103.30 199.61 -143.87 -84.22
139.95-130.12
54 4.07 77.56 4.52 40.44 41.65 -36.51 783.66 88.41 99.71
772.36-87.90
415 112 467 3.85 21.43 -109.62 -53.21 -34.99 -64.89 164.60 -107.03 7.91
49.66-134.20
468 2.42 19.45 -63.73 -13.57 -30.71 -40.70 -206.35 -443.41 -440.71 -
209.0425.12
55 4.16 36.46 -110.21 -26.28 -47.47 -72.57 125.37 -176.04 -89.30
38.62-136.46
54 2.69 50.24 2.73 24.45 28.52 -23.66 438.53 -5.00 36.95
396.57-129.80
415 159 467 3.57 25.84 -100.37 -41.97 -32.56 -62.93 123.17 -101.45 0.46
21.27-111.83
468 2.30 21.50 -62.78 -11.57 -29.70 -41.15 -167.34 -385.13 -381.33 -
171.1428.52
55 3.80 40.67 -94.33 -9.61 -44.04 -65.27 21.76 -223.42 -125.96 -
75.70-119.99
54 2.43 53.17 3.74 32.40 24.50 -24.40 374.72 7.16 49.16
332.72-116.93
415 164 467 3.32 30.53 -91.40 -30.74 -30.12 -60.96 82.40 -96.52 -6.99 -
7.13-89.46
468 2.29 23.56 -61.82 -9.58 -28.68 -41.61 -127.99 -327.20 -321.94 -
133.2431.93
55 3.54 45.90 -79.46 7.05 -40.62 -57.97 -71.91 -280.74 -162.62 -
190.03-103.51
54 2.25 57.44 3.39 40.35 20.48 -25.13 312.07 18.18 61.37
268.87-104.06
415 169 467 4.18 39.28 -105.52 -34.17 -32.06 -72.39 87.13 -204.48 -15.53 -
101.81-139.28
468 2.84 31.99 -75.55 -12.93 -30.62 -53.04 -192.14 -331.06 -329.58 -

193.62-14.23											
	55	4.26	47.91	-95.80	-5.33	-42.56	-69.40	-75.13	-354.08	-174.92	-
254.29-133.71											
	54	2.67	60.07	-13.65	27.88	18.54	-36.56	260.14	-43.79	40.82	
175.52-136.23											
415 200	467	3.62	31.33	-92.09	-30.62	-30.13	-61.71	111.74	-150.31	-16.40	-
22.17-131.00											
	468	2.24	23.93	-61.98	-9.39	-28.65	-41.86	-132.78	-348.07	-347.15	-
133.7014.05											
	55	3.60	44.56	-80.45	5.13	-41.02	-58.09	-72.00	-294.04	-166.91	-
199.14-109.85											
	54	2.27	56.86	2.14	39.00	20.00	-25.66	289.37	-5.60	51.83	
231.93-116.80											
416 15	468	7.74	82.30	-172.35	-23.46	-66.58	-125.49	35.29	-68.33	26.43	-
59.4828.97											
	469	4.85	73.64	-92.42	40.23	-59.01	-66.58	-52.67	-77.75	-58.60	-
71.8210.66											
	56	9.00	14.98	-216.02	-73.50	-127.53	-112.30	-96.30	-391.78	-98.25	-
389.82-23.96											
	55	5.63	80.65	-82.81	22.26	-24.42	-78.33	54.21	-105.99	-21.06	-
30.72-79.96											
416 79	468	8.40	86.24	-178.43	-20.97	-71.21	-129.93	101.13	-60.56	74.81	-
34.2459.69											
	469	5.23	78.32	-99.17	42.78	-63.63	-71.02	-9.32	-108.17	-18.07	-
99.4228.08											
	56	9.41	20.68	-221.32	-68.48	-132.16	-116.74	-88.77	-423.67	-90.16	-
422.28-21.48											
	55	5.77	86.45	-88.36	27.14	-29.05	-82.77	56.81	-73.62	-5.94	-
10.87-65.17											
416 144	468	6.21	65.00	-131.50	-13.01	-53.50	-96.14	76.46	-42.18	57.64	-
23.3643.34											
	469	3.86	56.52	-74.40	31.22	-49.10	-51.69	-15.01	-76.64	-20.40	-
71.2517.41											
	56	7.06	14.66	-163.60	-47.34	-101.60	-84.90	-72.49	-331.62	-73.51	-
330.60-16.19											
	55	4.33	63.20	-65.50	19.77	-22.06	-60.86	36.60	-70.15	-7.70	-
25.84-52.60											
416 159	468	5.20	59.47	-110.94	-3.68	-47.79	-82.30	50.26	-30.55	41.79	-
22.0824.75											
	469	3.21	43.02	-66.21	24.88	-48.07	-40.65	-44.68	-55.44	-55.05	-
45.07-2.01											
	56	6.43	9.86	-141.38	-31.66	-99.86	-67.50	-88.69	-339.55	-89.70	-
338.54-15.93											
	55	3.93	50.52	-55.59	14.54	-19.60	-50.24	17.38	-129.58	-22.90	-
89.29-65.55											
416 164	468	4.65	57.16	-95.02	7.31	-45.17	-71.42	68.06	-13.83	58.21	-
3.9726.64											
	469	2.87	33.01	-62.89	20.25	-50.13	-32.57	-33.93	-66.02	-62.67	-
37.28-9.81											
	56	6.26	12.19	-126.03	-12.64	-101.20	-53.06	-99.77	-368.84	-100.51	-
368.11-14.01											
	55	3.68	41.79	-49.46	12.57	-20.23	-42.58	4.66	-172.19	-28.03	-
139.50-68.65											
416 182	468	5.07	59.99	-100.62	8.47	-49.10	-74.97	105.93	-13.84	87.07	
5.0243.62											
	469	3.24	35.71	-68.59	21.18	-54.05	-36.12	-38.73	-62.52	-38.78	-
62.47-1.10											
	56	6.66	14.96	-131.81	-11.72	-105.13	-56.61	-95.61	-397.19	-96.40	-
396.40-15.37											
	55	3.87	44.61	-55.10	13.67	-24.16	-46.12	7.99	-161.12	-19.26	-
133.87-62.17											
416 215	468	4.84	57.25	-94.57	7.31	-44.62	-71.33	120.51	-16.35	102.30	
1.8646.48											
	469	2.95	33.61	-62.74	21.00	-50.14	-32.49	-43.91	-81.09	-73.80	-
51.21-14.76											
	56	6.34	11.97	-126.91	-13.17	-101.77	-53.47	-105.43	-379.14	-106.36	-
378.21-15.94											
	55	3.65	42.18	-49.58	11.98	-19.37	-43.12	4.48	-172.07	-19.66	-
147.93-60.66											
417 15	469	5.44	48.32	-126.90	-11.53	-67.04	-83.10	-55.34	-112.80	-90.68	-

77.4627.96
470 3.12 46.78 -59.02 12.54 -24.78 -49.49 -10.74 -51.92 -49.55 -
13.11-9.59
57 4.14 11.06 -79.26 -35.58 -32.62 -45.13 -52.43 -451.10 -65.98 -
437.5572.24
56 7.85 52.35 -145.44 22.47 -115.56 -70.83 -114.19 -394.93 -118.52 -
390.61-34.57
417 79 469 5.60 50.29 -132.01 -10.45 -71.27 -85.93 -65.98 -131.94 -86.94 -
110.9730.71
470 3.32 49.11 -64.05 14.07 -29.01 -52.32 -26.30 -47.33 -46.04 -
27.60-5.05
57 4.35 12.16 -83.78 -34.77 -36.85 -47.96 -45.12 -469.02 -61.66 -
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56 8.15 53.08 -151.17 21.70 -119.79 -73.66 -121.85 -426.51 -123.91 -
424.45-25.02
417 144 469 4.15 38.26 -97.52 -4.63 -54.63 -63.12 -52.32 -94.40 -67.66 -
79.0520.26
470 2.42 33.43 -47.57 9.70 -23.84 -36.86 -14.17 -31.54 -28.26 -
17.46-6.80
57 3.19 9.16 -59.66 -24.19 -26.32 -34.39 -34.02 -355.28 -45.96 -
343.3460.79
56 6.13 34.55 -114.33 13.69 -93.47 -51.68 -96.71 -332.77 -98.32 -
331.15-19.44
417 159 469 3.65 36.90 -83.41 6.09 -52.60 -52.51 -44.75 -74.08 -71.45 -
47.398.39
470 1.92 18.94 -40.80 5.55 -27.41 -24.92 14.74 -21.31 -6.20 -
0.37-17.79
57 2.64 8.11 -42.59 -16.14 -18.34 -25.32 -34.04 -331.62 -42.63 -
323.0349.82
56 5.66 14.93 -107.07 4.22 -96.35 -34.54 -103.93 -337.35 -106.27 -
335.01-23.25
417 164 469 3.38 38.41 -74.26 17.53 -53.38 -43.78 -37.99 -72.82 -72.75 -
38.06-1.64
470 1.66 7.73 -39.10 2.42 -33.79 -14.86 38.98 -13.71 18.21
7.07-25.75
57 2.37 8.00 -28.72 -7.54 -13.18 -18.14 -29.14 -319.95 -36.42 -
312.6745.43
56 5.56 -2.06 -105.77 -5.78 -102.05 -19.28 -116.07 -363.17 -117.82 -
361.43-20.70
417 166 469 3.65 36.76 -79.00 17.42 -59.66 -43.18 -54.50 -81.86 -67.69 -
68.68-13.67
470 1.94 6.57 -44.42 2.21 -40.06 -14.26 61.81 -25.11 28.06
8.64-42.36
57 2.54 3.35 -32.94 -10.14 -19.45 -17.54 -33.55 -316.99 -39.24 -
311.3139.74
56 5.91 -5.02 -111.70 -8.40 -108.33 -18.68 -125.45 -396.22 -127.19 -
394.48-21.61
417 205 469 3.25 36.63 -72.73 18.37 -54.47 -40.79 -35.57 -69.84 -68.29 -
37.12-7.12
470 1.84 8.17 -39.48 4.11 -35.43 -13.30 68.17 -14.73 44.33
9.11-37.52
57 2.33 4.69 -26.89 -8.37 -13.82 -15.55 -28.02 -312.90 -34.04 -
306.8940.94
56 5.66 -3.27 -106.54 -6.29 -103.51 -17.42 -117.05 -376.40 -118.70 -
374.75-20.61
418 7 37 2.22 7.85 -21.53 0.09 -13.77 12.95 -14.85 -220.98 -31.68 -
204.1656.44
60 8.30 -35.77 -183.40 -35.77 -183.40 0.57 -137.60 -458.06 -139.82 -
455.84-26.57
471 4.15 37.12 -94.30 33.25 -90.43 -22.20 -18.43 -185.30 -138.41 -
65.32-75.01
450 3.19 18.55 -75.01 4.11 -60.57 33.80 60.49 -49.65 24.74 -
13.90-51.57
418 95 37 2.27 -4.07 -23.89 -5.43 -22.54 5.00 -0.84 -235.27 -1.40 -
234.7111.43
60 10.04 -43.08 -190.46 -43.74 -189.80 -9.82 -146.48 -703.15 -146.50 -
703.14-2.88
471 6.80 44.46 -104.81 38.31 -98.67 -29.66 35.58 -360.15 -27.06 -
297.50-144.45
450 3.87 25.46 -73.47 18.73 -66.74 24.91 269.01 -130.12 171.43 -

32.54-171.53											
418	152	37	1.70	-2.49	-18.06	-4.02	-16.52	4.64	-3.68	-177.16	-4.70	-
176.1413.26												
		60	7.53	-31.92	-145.30	-32.37	-144.85	-7.14	-110.26	-513.69	-110.31	-
513.63-4.72												
		471	4.94	32.67	-79.47	28.19	-74.98	-21.97	17.10	-253.59	-31.25	-
205.25-103.68												
		450	2.87	18.80	-55.83	13.10	-50.13	19.83	184.03	-92.94	115.68	-
24.59-119.41												
418	163	37	1.60	1.81	-17.74	-3.53	-12.40	8.71	-14.33	-161.72	-23.93	-
152.1236.37												
		60	6.49	-25.16	-138.80	-25.43	-138.53	-5.52	-95.45	-371.63	-96.61	-
370.47-17.86												
		471	3.44	24.17	-73.45	20.91	-70.19	-17.54	-18.87	-148.55	-84.73	-
82.69-64.83												
		450	2.35	15.51	-52.49	6.43	-43.42	23.13	63.85	-56.91	30.45	-
23.50-54.02												
418	164	37	1.63	3.47	-17.71	-3.00	-11.24	9.76	-14.73	-160.95	-28.21	-
147.4742.30												
		60	6.25	-23.94	-137.55	-24.12	-137.37	-4.48	-93.04	-338.36	-94.85	-
336.55-21.00												
		471	3.09	22.80	-72.00	19.83	-69.03	-16.50	-15.30	-135.58	-99.03	-
51.84-55.32												
		450	2.25	14.82	-52.49	4.59	-42.26	24.17	35.52	-46.80	10.44	-
21.71-37.89												
418	190	37	1.54	-1.57	-16.67	-4.39	-13.85	5.88	-14.35	-165.59	-16.69	-
163.2418.68												
		60	7.08	-26.83	-140.60	-27.45	-139.98	-8.35	-102.60	-457.62	-103.90	-
456.33-21.40												
		471	4.31	26.84	-75.85	22.62	-71.64	-20.37	-6.54	-225.90	-68.67	-
163.77-98.83												
		450	2.62	16.06	-51.63	9.30	-44.87	20.30	123.05	-92.71	60.41	-
30.08-97.93												
418	215	37	1.72	7.51	-20.91	-4.65	-8.75	14.06	-7.03	-164.25	-15.03	-
156.2634.54												
		60	7.02	-25.29	-141.50	-25.40	-141.40	-3.46	-119.70	-447.66	-120.98	-
446.39-20.45												
		471	3.53	22.83	-72.77	20.91	-70.85	-13.41	22.64	-178.21	-80.26	-
75.31-100.39												
		450	2.74	17.97	-52.09	6.47	-40.59	25.95	94.32	-83.82	34.93	-
24.43-83.98												
419	15	55	5.77	-41.45	-60.34	-43.60	-58.20	-5.99	90.62	-644.88	69.46	-
623.72122.95												
		78	10.87	21.71	-196.83	0.97	-176.10	-64.04	-312.69	-886.07	-341.91	-
856.85126.10												
		472	6.14	19.96	-132.41	-11.65	-100.80	-61.78	-2.66	-299.40	-208.68	-
93.38136.71												
		468	3.53	9.00	-55.67	5.51	-52.19	-14.60	464.30	238.30	459.46	
243.14-32.74												
419	79	55	6.07	-36.58	-76.76	-45.39	-67.94	-16.63	76.05	-669.07	48.36	-
641.37140.96												
		78	11.04	23.68	-212.45	-2.93	-185.84	-74.67	-320.61	-862.89	-356.57	-
826.92134.94												
		472	7.28	30.15	-147.82	-7.13	-110.55	-72.42	24.39	-337.62	-247.39	-
65.84156.60												
		468	3.80	19.86	-69.72	12.08	-61.93	-25.24	414.55	221.47	414.50	
221.52-3.14												
419	144	55	4.55	-26.88	-54.41	-31.57	-49.73	-10.34	63.80	-497.56	44.00	-
477.76103.56												
		78	8.34	11.65	-159.46	-5.67	-142.14	-51.61	-242.62	-658.23	-268.99	-
631.86101.31												
		472	5.37	23.85	-109.29	-1.93	-83.51	-52.61	12.39	-247.64	-181.41	-
53.84113.29												
		468	2.80	11.42	-51.13	7.61	-47.32	-14.95	316.26	163.91	316.03	
164.13-5.81												
419	159	55	4.12	-20.00	-38.31	-20.08	-38.23	1.16	86.30	-434.32	73.15	-
421.1781.70												
		78	7.90	-8.81	-142.90	-15.46	-136.24	-29.12	-226.61	-648.37	-246.90	-
628.0890.26												
		472	4.28	23.50	-90.69	8.11	-75.29	-39.00	-16.82	-196.21	-139.62	-

73.4183.36											
	468	2.39	0.21	-43.26	-0.01	-43.04	3.08	325.96	146.90	321.89	
150.97-26.69											
419 164	55	3.93	-8.53	-34.50	-9.79	-33.24	5.58	99.09	-387.20	88.23	-
376.3471.85											
	78	7.66	-26.16	-138.54	-27.86	-136.84	-13.72	-215.94	-622.99	-234.59	-
604.3585.10											
	472	4.02	31.23	-83.64	21.16	-73.57	-32.48	-28.08	-170.18	-123.64	-
74.6266.69											
	468	2.49	0.99	-49.51	-3.27	-45.26	14.03	302.11	119.05	297.78	
123.39-27.84											
419 166	55	4.28	-7.15	-40.75	-9.78	-38.12	9.01	91.50	-412.18	80.95	-
401.6472.10											
	78	8.25	-28.90	-142.67	-29.83	-141.73	-10.28	-235.62	-692.99	-250.43	-
678.1880.96											
	472	3.68	30.44	-86.21	22.70	-78.46	-29.04	-107.16	-197.63	-153.93	-
150.8645.21											
	468	2.60	4.94	-55.68	-0.60	-50.14	17.47	287.01	85.73	277.33	
95.41-43.06											
419 218	55	3.96	-7.72	-34.17	-8.43	-33.47	4.26	106.94	-385.99	96.71	-
375.7670.27											
	78	7.82	-26.34	-135.98	-27.88	-134.43	-12.92	-225.28	-663.81	-244.54	-
644.5689.85											
	472	3.86	29.92	-82.55	19.26	-71.90	-32.94	-34.12	-160.92	-116.27	-
78.7760.56											
	468	2.73	-2.20	-50.77	-6.80	-46.17	14.22	332.89	116.88	323.71	
126.06-43.58											
420 7	57	2.24	25.45	-37.91	6.21	-18.68	29.13	40.61	-27.57	-5.69	
18.73-31.83											
	80	6.39	-32.68	-168.58	-37.66	-163.60	25.54	220.32	58.36	59.57	
219.1113.96											
	473	4.05	31.33	-90.91	31.20	-90.78	3.92	55.85	-17.98	55.78	-
17.92-2.20											
	470	3.77	37.42	-82.65	2.68	-47.91	54.45	50.17	-41.41	-41.27	
50.03 3.63											
420 73	57	2.14	12.65	-41.74	0.75	-29.84	22.49	59.26	-26.74	2.88	
29.63-40.87											
	80	7.04	-39.91	-175.33	-41.98	-173.25	16.65	293.82	74.56	74.64	
293.74 4.11											
	473	4.03	27.28	-101.69	27.23	-101.65	-2.39	91.11	49.11	77.99	
62.2319.47											
	470	3.53	30.50	-82.37	5.17	-57.04	47.09	72.46	-32.18	-26.82	
67.1023.07											
420 141	57	1.64	10.57	-31.75	0.72	-21.90	17.88	43.37	-20.42	1.88	
21.07-30.41											
	80	5.33	-29.77	-133.65	-31.43	-131.98	13.05	217.56	54.41	54.52	
217.46 4.21											
	473	3.01	20.68	-77.09	20.66	-77.07	-1.21	63.95	33.35	57.15	
40.1612.73											
	470	2.72	24.18	-62.71	3.95	-42.48	36.72	54.32	-24.48	-21.24	
51.0915.64											
420 162	57	1.63	14.96	-30.32	1.12	-16.48	20.87	31.56	-19.62	0.52	
11.41-25.00											
	80	4.90	-24.72	-126.94	-26.62	-125.04	13.80	173.16	37.65	38.36	
172.46 9.73											
	473	2.93	18.69	-71.30	18.64	-71.25	2.04	41.88	0.37	41.86	
0.40 1.04											
	470	2.76	28.22	-59.16	3.94	-34.88	39.15	49.65	-23.96	-23.67	
49.37 4.60											
420 164	57	1.64	16.53	-29.92	1.62	-15.01	21.69	29.06	-19.56	-0.33	
9.83-23.77											
	80	4.80	-23.68	-125.72	-25.82	-123.58	14.62	163.15	34.75	35.70	
162.20 11.03											
	473	2.94	18.90	-69.88	18.81	-69.78	2.86	38.71	-10.04	38.63	-
9.96-1.89											
	470	2.79	29.22	-58.91	3.72	-33.41	39.97	47.71	-25.25	-25.20	
47.66 1.95											
420 184	57	1.57	13.21	-30.18	0.52	-17.50	19.73	34.28	-15.11	3.14	
16.03-23.84											
	80	5.10	-26.17	-127.67	-27.78	-126.06	12.67	206.69	46.02	46.88	

205.83 11.77											
	473	2.79	17.95	-72.28	17.94	-72.27	0.91	62.12	25.90	53.62	
34.4015.35											
	470	2.62	26.96	-58.89	3.97	-35.90	38.01	58.56	-21.63	-17.66	
54.5917.40											
420 207	57	1.64	18.75	-30.96	1.67	-13.88	23.61	15.84	-19.13	-3.61	
0.32-17.37											
	80	5.22	-23.79	-125.53	-26.17	-123.15	15.39	237.57	47.72	49.80	
235.5019.75											
	473	3.00	18.66	-69.42	18.45	-69.21	4.29	43.65	-48.63	19.09	-
24.0740.78											
	470	2.78	31.83	-58.93	3.88	-30.98	41.90	67.77	-4.43	3.83	
59.5222.97											
421 15	60	8.42	-69.16	-212.24	-98.41	-182.99	-57.70	-83.53	-369.39	-105.03	-
347.90-75.38											
	87	6.40	35.84	-105.66	-9.10	-60.72	-65.87	152.99	-221.70	45.20	-
113.91-169.62											
	474	7.71	44.84	-142.05	-25.89	-71.33	-90.64	113.20	-242.31	-45.95	-
83.17-176.78											
	471	5.10	48.60	-105.93	46.49	-103.82	-17.92	41.42	-200.15	-88.19	-
70.54-120.46											
421 103	60	10.55	-63.69	-234.14	-98.01	-199.83	-68.35	-171.63	-653.29	-175.12	-
649.81-40.82											
	87	8.21	29.60	-145.93	-31.37	-84.96	-83.57	-7.16	-467.60	-56.07	-
418.68-141.88											
	474	8.74	59.31	-161.92	-12.61	-89.99	-103.63	-22.13	-367.01	-67.27	-
321.87-116.32											
	471	7.23	49.42	-130.21	42.79	-123.58	-33.86	-89.74	-349.17	-112.27	-
326.65-73.05											
421 156	60	7.87	-46.15	-174.49	-69.70	-150.94	-49.68	-126.39	-481.16	-129.12	-
478.44-30.98											
	87	6.14	22.78	-108.85	-22.35	-63.72	-62.48	-2.11	-342.47	-42.47	-
302.11-110.05											
	474	6.45	44.82	-120.14	-8.59	-66.73	-77.19	-13.96	-257.27	-51.23	-
220.01-87.62											
	471	5.26	36.26	-97.19	31.80	-92.74	-23.97	-66.02	-245.09	-85.80	-
225.31-56.14											
421 163	60	6.68	-25.62	-145.73	-35.67	-135.69	-33.25	-98.93	-376.93	-101.33	-
374.53-25.72											
	87	5.27	22.49	-91.86	-13.50	-55.87	-53.11	11.94	-265.72	-46.63	-
207.15-113.28											
	474	4.95	41.24	-95.42	-0.88	-53.30	-63.10	10.72	-134.73	-49.85	-
74.16-71.70											
	471	3.68	26.37	-81.95	24.83	-80.40	-12.84	-35.39	-139.56	-84.40	-
90.55-51.99											
421 164	60	6.38	-23.98	-141.66	-32.74	-132.90	-30.89	-89.62	-342.44	-92.82	-
339.24-28.27											
	87	5.03	23.04	-86.92	-10.80	-53.08	-50.75	28.70	-239.27	-38.18	-
172.39-115.98											
	474	4.74	39.59	-91.47	-1.36	-50.51	-60.75	31.36	-119.95	-47.87	-
40.72-75.57											
	471	3.35	25.61	-78.68	24.54	-77.61	-10.48	-12.17	-126.58	-82.18	-
56.56-55.75											
421 190	60	7.34	-28.24	-151.83	-40.53	-139.53	-36.99	-121.25	-465.88	-123.67	-
463.46-28.78											
	87	5.89	21.70	-99.41	-18.00	-59.71	-56.85	-29.06	-363.01	-73.51	-
318.57-113.44											
	474	5.60	43.81	-101.41	-0.46	-57.15	-66.85	-20.27	-219.75	-58.21	-
181.82-78.29											
	471	4.43	27.33	-86.71	24.87	-84.25	-16.58	-57.67	-207.70	-89.62	-
175.75-61.42											
421 199	60	7.22	-25.91	-141.81	-33.94	-133.77	-29.45	-112.50	-481.21	-117.26	-
476.44-41.66											
	87	5.95	21.04	-86.81	-12.12	-53.64	-49.77	-41.12	-451.07	-81.42	-
410.78-122.04											
	474	5.60	38.31	-90.82	-1.73	-50.77	-59.73	58.03	-233.56	-33.27	-
142.27-135.23											
	471	4.04	24.89	-78.79	24.10	-78.00	-9.03	54.04	-230.70	-77.84	-
98.82-141.98											
422 15	78	11.01	-34.56	-250.52	-98.70	-186.37	-98.68	-204.17	-807.46	-219.69	-

791.9495.49										
	102	7.33	57.98	-148.17	-28.87	-61.31	-101.79	-155.18	-475.07	-155.55
474.7010.87										
	475	9.03	80.50	-178.37	-25.09	-72.78	-127.22	-20.11	-322.26	-119.93
222.45142.11										
	472	6.20	56.39	-121.60	40.26	-105.48	-51.08	25.62	-241.62	-112.08
103.92133.56										
422 79	78	11.63	-31.55	-279.19	-110.80	-199.93	-115.52	-191.29	-771.89	-205.82
757.3690.69										
	102	8.25	62.50	-177.32	-39.95	-74.87	-118.63	-138.32	-423.16	-138.32
423.161.09										
	475	10.05	93.27	-201.88	-22.28	-86.33	-144.06	-14.05	-290.73	-129.65
175.13136.46										
	472	7.49	66.88	-143.85	42.06	-119.03	-67.92	47.24	-245.46	-125.37
72.85143.98										
422 144	78	8.71	-24.24	-204.65	-77.54	-151.36	-82.31	-144.14	-589.41	-154.84
578.7168.19										
	102	6.15	46.67	-130.55	-27.66	-56.22	-87.45	-102.65	-326.35	-102.66
326.350.80										
	475	7.37	69.09	-147.72	-14.70	-63.93	-105.57	-15.09	-222.74	-94.57
143.26100.93										
	472	5.46	48.06	-107.00	30.86	-89.79	-48.70	29.36	-182.82	-92.55
60.91104.90										
422 159	78	7.91	-22.22	-165.22	-48.51	-138.92	-55.39	-138.62	-587.17	-148.15
577.6464.66										
	102	5.27	40.83	-102.06	-14.00	-47.23	-69.49	-96.16	-346.33	-96.23
346.273.95										
	475	5.86	56.22	-115.28	-7.70	-51.36	-82.92	-24.89	-236.49	-74.58
186.8089.69										
	472	4.07	34.15	-88.27	25.40	-79.52	-31.54	1.34	-163.91	-75.49
87.0782.42										
422 164	78	7.65	-14.52	-148.55	-27.55	-135.53	-39.70	-124.39	-561.34	-132.21
553.5257.93										
	102	5.01	38.29	-93.29	-7.73	-47.28	-62.75	-78.31	-331.84	-78.31
331.830.58										
	475	5.03	52.26	-98.91	1.18	-47.83	-71.50	-28.34	-231.52	-61.06
198.8074.68										
	472	3.56	27.35	-84.50	21.14	-78.29	-25.62	-11.84	-147.97	-67.29
92.5266.89										
422 184	78	7.73	-13.76	-163.80	-34.80	-142.75	-52.10	-108.11	-515.28	-116.53
506.8757.94										
	102	5.44	43.33	-112.22	-14.39	-54.50	-75.14	-58.15	-263.03	-58.22
262.96-3.84										
	475	5.87	62.89	-114.74	3.20	-55.05	-83.90	-12.00	-182.01	-60.81
133.2076.92										
	472	4.55	34.51	-97.55	22.47	-85.51	-38.01	21.21	-141.41	-71.48
48.7280.51										
422 212	78	7.57	-13.77	-149.93	-28.00	-135.70	-41.66	-120.92	-544.67	-128.87
536.7357.48										
	102	4.97	40.44	-94.80	-7.40	-46.96	-64.66	-73.42	-302.04	-73.42
302.04-0.39										
	475	5.25	55.08	-100.61	2.02	-47.55	-73.80	-19.95	-217.66	-61.30
176.3280.41										
	472	3.78	29.09	-85.59	21.87	-78.37	-27.84	3.04	-150.21	-66.30
80.8876.28										
423 15	80	5.17	-89.38	-156.71	-92.08	-154.00	-13.22	120.10	9.59	38.16
91.5348.38										
	103	2.42	-19.06	-56.75	-25.12	-50.68	-13.85	-30.15	-246.17	-119.44
156.88106.38										
	476	2.92	-16.54	-83.31	-31.59	-68.25	-27.90	29.62	-87.78	-29.64
28.5258.70										
	473	4.47	44.29	-92.33	37.49	-85.53	29.71	47.54	-77.00	-7.11
22.3561.80										
423 57	80	5.12	-87.16	-147.33	-87.78	-146.71	-6.07	164.49	14.69	47.35
131.8361.85										
	103	2.08	-19.51	-45.28	-21.39	-43.39	-6.71	56.27	-179.64	-93.15
30.22113.68										
	476	3.29	-22.43	-72.15	-33.61	-60.96	-20.76	151.09	-73.36	-17.52
95.2597.03										
	473	4.64	46.98	-89.09	36.14	-78.24	36.86	108.01	-107.44	-14.79

15.35106.66											
423	133	80	4.00	-61.40	-114.47	-62.01	-113.87	-5.64	129.15	17.88	37.96
109.0742.80											
		103	1.72	-13.10	-37.95	-15.80	-35.25	-7.74	41.90	-134.38	-64.82
27.6686.16											
		476	2.50	-13.03	-57.14	-22.75	-47.42	-18.28	97.96	-49.09	-10.99
59.8664.43											
		473	3.42	33.60	-68.53	26.66	-61.59	25.71	74.42	-69.49	-5.22
10.1571.54											
423	159	80	4.29	-43.88	-121.22	-45.53	-119.57	-11.18	126.51	33.91	39.89
120.5222.77											
		103	2.15	-5.89	-52.80	-14.93	-43.77	-18.50	13.43	-149.02	-51.38
84.2179.55											
		476	2.32	2.66	-66.21	-12.00	-51.55	-28.19	4.58	-36.53	-6.96
25.0018.47											
		473	3.10	25.70	-70.87	23.39	-68.57	14.74	30.50	-20.97	17.34
7.8122.46											
423	164	80	4.67	-24.69	-121.91	-26.18	-120.42	-11.95	160.07	46.73	47.96
158.84 11.72											
		103	2.56	0.86	-59.85	-11.57	-47.43	-24.50	41.48	-118.22	-20.41
56.3377.80											
		476	2.69	14.44	-67.85	-2.59	-50.82	-33.34	5.27	-27.45	5.16
27.34-1.93											
		473	2.95	20.04	-71.49	19.23	-70.68	8.54	35.09	-0.93	34.79
0.633.27											
423	166	80	4.65	-27.53	-129.17	-29.92	-126.78	-15.40	122.88	37.81	38.19
122.51 5.67											
		103	2.65	-0.33	-68.39	-14.94	-53.78	-27.94	-4.30	-197.11	-43.19
158.2277.36											
		476	3.64	17.29	-75.35	-0.88	-57.18	-36.78	1.03	-131.41	-3.87
126.51-25.01											
		473	3.37	20.59	-77.30	20.32	-77.04	5.09	48.74	-42.38	40.61
34.24-25.99											
423	207	80	5.13	-25.46	-121.29	-26.72	-120.03	-10.92	239.87	59.69	61.26
238.3016.76											
		103	3.05	-0.62	-59.66	-12.41	-47.88	-23.60	139.24	-42.79	7.90
88.5681.59											
		476	2.54	12.70	-67.36	-3.36	-51.30	-32.06	5.44	-47.69	-5.61
36.6421.57											
		473	3.06	20.07	-71.17	18.98	-70.08	9.90	45.69	-35.40	22.75
12.4636.52											
424	15	87	6.95	19.16	-133.96	-50.28	-64.52	-76.23	225.39	-178.86	84.34
37.81-192.67											
		106	4.29	65.95	-13.81	18.91	33.24	-39.23	105.17	-235.08	-84.22
45.69-169.03											
		477	7.32	60.02	-98.15	-27.25	-10.88	-78.66	266.52	-208.64	13.86
44.02-237.10											
		474	6.59	45.58	-99.23	0.35	-54.00	-67.11	120.57	-277.46	-51.79
105.10-197.22											
424	101	87	7.95	22.79	-157.49	-63.20	-71.50	-90.04	165.85	-281.73	72.98
188.86-181.50											
		106	4.83	70.75	-36.97	7.52	26.26	-53.04	40.68	-273.54	-79.31
153.54-152.66											
		477	7.72	68.52	-116.85	-30.48	-17.86	-92.47	194.09	-219.71	33.76
59.38-201.59											
		474	7.49	53.09	-118.39	-4.32	-60.98	-80.92	53.57	-344.34	-38.91
251.86-168.07											
424	155	87	5.94	18.41	-116.28	-43.56	-54.31	-67.13	116.30	-212.46	45.76
141.93-134.96											
		106	3.70	54.48	-28.11	6.58	19.78	-40.76	38.85	-199.26	-54.02
106.38-116.14											
		477	5.71	51.72	-86.38	-22.12	-12.53	-68.88	147.59	-152.87	26.13
31.41-147.45											
		474	5.53	39.44	-88.58	-2.98	-46.16	-60.26	38.98	-245.93	-32.19
174.76-123.33											
424	159	87	5.03	20.91	-93.50	-22.83	-49.76	-55.60	100.21	-165.04	15.85
80.68-123.53											
		106	3.46	53.11	-19.38	12.98	20.75	-36.04	84.77	-150.03	-32.95
32.31-117.40											
		477	4.87	45.70	-68.73	-16.73	-6.29	-56.98	170.08	-100.62	20.02

49.44-134.55											
	474	4.48	32.45	-74.18	-0.33	-41.40	-49.20	60.18	-168.17	-43.84	-
64.15-113.73											
424 164	87	4.84	26.47	-87.03	-10.71	-49.86	-53.27	44.78	-186.56	-21.64	-
120.14-104.66											
	106	3.60	55.04	-26.18	11.78	17.07	-40.52	88.91	-127.66	-8.61	-
30.14-107.74											
	477	4.29	45.35	-63.56	-13.50	-4.70	-54.28	143.70	-55.18	27.18	
61.34-97.96											
	474	4.03	30.46	-72.54	-0.79	-41.29	-47.35	35.57	-133.85	-46.91	-
51.38-84.68											
424 190	87	5.70	27.75	-99.72	-18.52	-53.45	-61.30	3.74	-301.43	-35.67	-
262.02-102.34											
	106	3.95	57.92	-39.56	4.88	13.48	-48.55	35.09	-199.92	-13.71	-
151.12-95.32											
	477	4.53	50.20	-74.66	-16.17	-8.30	-62.30	90.35	-95.21	48.57	-
53.44-77.50											
	474	4.81	34.39	-83.57	-4.30	-44.88	-55.38	0.47	-216.34	-28.68	-
187.19-73.96											
424 204	87	5.66	24.86	-86.71	-11.74	-50.11	-52.38	-28.67	-391.05	-66.75	-
352.97-111.13											
	106	3.55	54.17	-25.75	10.80	17.62	-39.82	3.88	-275.55	-32.38	-
239.29-93.91											
	477	4.60	44.65	-62.75	-13.91	-4.19	-53.48	91.91	-202.60	25.76	-
136.45-122.91											
	474	4.85	29.46	-72.23	-1.33	-41.44	-46.72	69.40	-232.70	-22.51	-
140.80-138.99											
425 15	102	7.28	59.90	-162.27	-39.11	-63.26	-110.42	-139.73	-435.16	-146.44	-
428.4544.02											
	124	6.37	99.07	-90.40	-9.93	18.60	-93.65	0.85	-233.18	-9.54	-
222.7848.21											
	478	7.70	89.04	-130.71	-31.90	-9.77	-109.32	-30.46	-304.77	-77.03	-
258.21102.98											
	475	7.53	69.94	-139.09	-15.12	-54.02	-102.69	-0.74	-301.49	-89.72	-
212.52137.27											
425 79	102	8.25	70.40	-190.21	-48.67	-71.15	-129.82	-150.32	-387.82	-156.39	-
381.7537.48											
	124	7.23	110.28	-117.63	-18.06	10.71	-113.04	-13.48	-197.39	-22.35	-
188.5239.40											
	478	8.53	103.23	-154.69	-33.80	-17.66	-128.71	-52.21	-270.14	-96.74	-
225.6187.87											
	475	8.55	83.86	-164.16	-18.39	-61.91	-122.08	-8.65	-265.32	-106.47	-
167.50124.66											
425 144	102	6.10	52.21	-138.75	-33.29	-53.26	-94.96	-109.26	-298.03	-113.11	-
294.1726.69											
	124	5.29	82.19	-83.05	-10.36	9.50	-82.02	-9.98	-153.11	-17.31	-
145.7831.55											
	478	6.28	76.52	-112.35	-23.72	-12.11	-94.26	-40.88	-214.97	-70.70	-
185.1565.59											
	475	6.25	61.45	-120.16	-12.22	-46.48	-89.17	-9.80	-203.96	-76.69	-
137.0792.27											
425 159	102	5.07	42.78	-105.24	-16.63	-45.84	-72.56	-84.32	-313.54	-86.43	-
311.4321.89											
	124	4.16	69.87	-49.80	3.84	16.23	-59.51	-3.89	-169.21	-13.41	-
159.6938.51											
	478	5.14	62.39	-82.75	-15.66	-4.70	-72.37	-31.72	-254.07	-52.06	-
233.7364.09											
	475	4.87	47.09	-92.10	-4.87	-40.14	-67.32	-11.34	-221.64	-54.18	-
178.8084.70											
425 164	102	4.71	40.78	-90.80	-6.34	-43.68	-63.08	-65.67	-298.25	-66.37	-
297.5512.74											
	124	3.62	65.16	-34.85	12.61	17.69	-49.94	-7.14	-161.67	-18.05	-
150.7639.60											
	478	4.57	57.77	-69.19	-8.87	-2.55	-63.40	-34.36	-272.78	-46.55	-
260.5852.52											
	475	4.18	42.24	-81.00	0.31	-39.06	-58.40	-15.80	-217.54	-42.83	-
190.5168.73											
425 188	102	5.20	49.22	-109.07	-11.85	-48.00	-77.05	-67.59	-241.97	-68.24	-
241.3210.64											
	124	4.18	74.59	-53.33	7.89	13.37	-63.90	-9.24	-110.93	-21.05	-

99.1232.57											
	478	5.09	69.12	-85.64	-9.65	-6.87	-77.37	-51.49	-223.49	-63.15	-
211.8343.23											
	475	4.98	53.06	-97.67	-1.22	-43.39	-72.36	-22.29	-173.08	-58.20	-
137.1764.23											
425 220	102	4.73	42.54	-88.16	-4.75	-40.87	-62.80	-71.01	-324.49	-72.06	-
323.4416.29											
	124	3.68	66.46	-32.79	13.72	19.95	-49.53	-7.38	-173.31	-19.02	-
161.6642.39											
	478	4.68	58.04	-68.27	-9.72	-0.51	-62.99	-34.62	-285.80	-49.89	-
270.5260.03											
	475	4.28	42.13	-80.32	-1.29	-36.91	-58.58	-11.09	-227.48	-43.59	-
194.9877.31											
426 5	103	3.18	9.16	-77.73	-7.78	-60.79	-34.43	14.12	-192.31	-34.41	-
143.7887.54											
	126	2.86	24.11	-9.56	10.57	3.98	-16.51	-79.22	-384.76	-95.33	-
368.6568.30											
	479	2.04	15.03	-47.50	-13.04	-19.42	-31.10	-45.25	-117.98	-51.54	-
111.6820.44											
	476	2.53	8.20	-66.88	-1.81	-56.87	-25.51	-1.02	-38.00	-2.11	-
36.916.25											
426 21	103	3.81	-2.89	-72.67	-19.63	-55.93	-29.80	193.50	-42.00	7.98	
143.5196.30											
	126	1.42	16.01	-5.94	1.13	8.94	-10.26	79.84	-66.43	-11.58	
24.9970.81											
	479	2.94	7.18	-44.98	-22.51	-15.28	-25.83	273.37	-11.95	0.65	
260.7758.61											
	476	3.63	-0.25	-59.31	-7.62	-51.94	-19.52	262.52	19.33	30.74	
251.1151.42											
426 115	103	2.85	-1.41	-56.70	-14.63	-43.48	-23.58	124.74	-42.49	0.84	
81.4173.27											
	126	1.16	12.82	-5.00	1.40	6.41	-8.55	36.59	-71.44	-16.03	-
18.8354.00											
	479	2.12	6.22	-35.08	-16.64	-12.22	-20.53	172.58	-14.32	-4.68	
162.9441.35											
	476	2.65	0.65	-46.40	-5.34	-40.42	-15.68	172.65	12.22	20.30	
164.5735.08											
426 162	103	2.67	3.37	-65.02	-13.91	-47.74	-29.72	13.06	-142.18	-32.18	-
96.9470.55											
	126	2.16	17.16	-12.22	2.78	2.16	-14.69	-47.32	-269.78	-60.86	-
256.2453.18											
	479	1.77	12.09	-41.36	-12.79	-16.47	-26.66	-29.30	-80.62	-37.79	-
72.1219.07											
	476	1.93	6.54	-53.96	-2.75	-44.67	-21.81	3.65	-16.02	-0.96	-
11.418.34											
426 164	103	2.52	3.88	-61.95	-11.57	-46.50	-27.90	6.96	-147.58	-33.64	-
106.9868.01											
	126	2.14	17.04	-8.75	4.89	3.40	-12.87	-50.31	-278.13	-62.32	-
266.1250.90											
	479	1.64	11.17	-38.62	-12.22	-15.23	-24.85	-32.47	-87.69	-38.35	-
81.8117.03											
	476	1.89	6.12	-51.50	-1.95	-43.43	-20.00	0.22	-22.95	-1.47	-
21.266.03											
426 165	103	2.97	7.44	-62.28	-7.74	-47.10	-28.77	-34.43	-246.32	-55.03	-
225.7162.78											
	126	2.89	19.85	-8.27	8.78	2.80	-13.74	-83.91	-425.61	-90.56	-
418.9547.22											
	479	2.35	13.45	-38.42	-9.13	-15.83	-25.72	-58.42	-233.00	-58.43	-
233.00 1.09											
	476	2.72	8.96	-52.25	0.74	-44.03	-20.86	-13.26	-139.67	-14.60	-
138.33-12.94											
426 206	103	3.04	5.48	-62.24	-10.71	-46.05	-28.88	-40.58	-272.71	-61.55	-
251.7566.54											
	126	3.08	18.90	-8.79	5.86	4.25	-13.82	-88.99	-447.70	-95.77	-
440.9248.85											
	479	1.71	13.43	-38.87	-11.03	-14.40	-26.10	-31.96	-79.94	-32.26	-
79.643.81											
	476	2.08	7.73	-51.91	-1.19	-42.99	-21.26	19.32	-19.19	11.33	-
11.20-15.62											
427 15	106	5.01	67.72	-33.28	10.85	23.59	-50.10	176.00	-188.41	14.19	-

26.59-181.06											
	129	3.32	71.25	52.77	68.21	55.80	6.84	-29.23	-230.36	-117.26	-
142.34-99.78											
	480	5.70	35.23	-73.79	-16.78	-21.78	-54.46	431.31	-1.66	241.33	
188.31-214.85											
	477	6.32	56.54	-63.19	-22.68	16.03	-56.65	210.33	-285.90	-93.51	
17.94-241.78											
427	29	106	6.62	87.74	-54.94	24.00	8.80	-70.93	475.80	27.83	112.92
390.70-175.73											
	129	4.12	78.80	17.51	53.89	42.43	-30.10	394.45	142.96	146.02	
391.39-27.56											
	480	7.07	62.16	-92.51	-22.43	-7.92	-77.00	862.76	610.47	633.54	
839.68-72.73											
	477	6.03	61.92	-56.96	-7.11	12.07	-58.66	573.47	109.80	142.51	
540.76-118.73											
427	119	106	4.93	65.92	-41.58	17.06	7.28	-53.53	326.46	5.72	76.70
255.47-133.15											
	129	2.94	59.12	14.16	40.20	33.08	-22.19	256.13	97.38	100.97	
252.53-23.62											
	480	5.25	47.24	-69.74	-16.97	-5.53	-58.21	617.90	441.53	464.86	
594.56-59.76											
	477	4.47	46.57	-43.22	-6.38	9.73	-44.17	396.70	60.61	88.72	
368.58-93.06											
427	160	106	4.21	57.50	-38.60	8.97	9.93	-48.05	144.78	-99.97	23.62
21.19-122.37											
	129	1.91	51.43	16.95	33.09	35.30	-17.20	61.89	-20.95	40.87	
0.07-36.04											
	480	4.42	44.02	-62.51	-15.92	-2.57	-52.84	416.56	256.50	346.49	
326.57-79.41											
	477	3.77	41.15	-40.67	-11.48	11.96	-39.20	175.31	-73.44	-20.14	
122.01-102.07											
427	164	106	4.10	56.07	-37.57	7.90	10.60	-46.80	108.99	-135.83	10.66	-
37.50-120.02											
	129	1.76	50.10	17.95	32.09	35.96	-15.96	41.97	-77.70	27.23	-
62.96-39.34											
	480	4.28	43.50	-60.53	-15.13	-1.90	-51.59	379.16	200.42	318.78	
260.80-84.54											
	477	3.65	40.10	-39.78	-12.29	12.62	-37.95	124.04	-110.64	-47.15	
60.55-104.25											
427	172	106	4.58	61.86	-44.41	9.38	8.07	-53.13	201.67	-57.39	34.36
109.92-123.90											
	129	2.35	55.69	11.11	33.37	33.43	-22.29	119.12	37.70	54.10	
102.73-32.65											
	480	4.81	46.48	-70.33	-19.41	-4.43	-57.92	478.66	325.00	372.02	
431.64-70.81											
	477	4.13	44.69	-46.57	-11.98	10.09	-44.28	248.23	-32.17	2.87	
213.18-92.73											
427	198	106	4.67	58.22	-38.76	8.66	10.80	-48.48	277.71	-32.31	67.69
177.71-144.92											
	129	2.01	48.94	14.69	33.94	29.69	-17.00	73.97	-44.16	41.81	-
11.99-52.58											
	480	5.95	46.96	-66.58	-15.24	-4.39	-56.51	771.06	543.22	574.54	
739.73-78.46											
	477	4.41	40.43	-38.71	-11.99	13.71	-37.42	277.47	-144.59	-120.27	
253.15-98.35											
428	15	124	6.80	96.28	-108.13	-24.16	12.31	-100.57	-135.69	-293.44	-161.33	-
267.8058.20											
	147	4.30	85.34	-46.65	12.83	25.86	-65.67	89.07	-170.66	89.03	-
170.63-3.10											
	498	8.16	102.36	-130.16	-31.78	3.98	-114.88	-119.62	-357.83	-227.41	-
250.05118.57											
	478	6.88	80.55	-96.54	-24.86	8.87	-86.92	48.87	-292.30	-4.27	-
239.15123.73											
428	81	124	7.82	117.42	-129.14	-18.99	7.27	-122.58	-37.17	-191.40	-56.61	-
171.9651.19											
	147	5.57	106.30	-68.79	15.78	21.73	-87.50	144.93	-46.64	139.34	-
41.0532.24											
	498	9.62	117.00	-158.16	-38.08	-3.08	-136.47	-46.87	-358.53	-117.41	-
288.00130.42											

	478	8.16	96.81	-124.41	-32.70	5.10	-108.99	224.74	-205.40	199.85	-
180.51100.42											
428 145	124	5.74	87.17	-92.21	-11.63	6.59	-89.23	-32.60	-152.81	-48.73	-
136.6940.97											
	147	3.96	78.51	-45.95	14.71	17.85	-62.21	97.76	-34.59	93.63	-
30.4623.01											
	498	7.06	86.43	-114.82	-26.70	-1.68	-99.85	-70.78	-300.99	-120.75	-
251.0394.90											
	478	5.98	71.19	-88.81	-22.73	5.11	-78.78	156.54	-172.50	137.78	-
153.7576.28											
428 159	124	4.56	69.78	-61.98	-3.70	11.51	-65.44	-78.09	-205.37	-100.48	-
182.9848.46											
	147	2.52	60.89	-15.90	22.07	22.92	-38.39	33.10	-70.32	32.81	-
70.035.42											
	498	5.61	69.95	-83.21	-16.16	2.90	-75.99	-212.25	-378.31	-256.33	-
334.2373.33											
	478	4.63	55.13	-57.15	-12.26	10.25	-55.00	42.68	-246.45	17.91	-
221.6880.92											
428 164	124	4.07	66.76	-46.01	7.67	13.07	-56.32	-57.94	-189.85	-82.41	-
165.3851.28											
	147	2.07	57.61	-0.96	31.40	25.24	-29.12	9.50	-27.18	5.54	-
23.2211.39											
	498	5.25	63.29	-70.34	-9.83	2.78	-66.52	-294.56	-466.75	-318.58	-
442.7359.66											
	478	4.19	49.92	-44.07	-7.01	12.87	-45.93	50.42	-266.82	34.13	-
250.5370.03											
428 182	124	4.69	75.00	-61.35	4.16	9.48	-68.12	-39.18	-192.31	-57.65	-
173.8449.88											
	147	2.75	65.86	-16.24	27.97	21.65	-40.92	36.67	-40.12	30.06	-
33.5221.53											
	498	5.91	70.16	-87.25	-16.28	-0.81	-78.32	-239.16	-470.51	-262.45	-
447.2269.62											
	478	4.92	56.74	-60.95	-13.49	9.27	-57.74	103.48	-266.31	90.48	-
253.3168.11											
428 218	124	4.13	66.80	-43.45	8.47	14.88	-55.03	-61.64	-215.18	-87.70	-
189.1257.64											
	147	2.02	56.50	1.20	31.97	25.73	-27.48	13.88	-22.42	5.71	-
14.2415.16											
	498	5.46	61.74	-69.77	-11.37	3.34	-65.35	-337.68	-537.55	-360.22	-
515.0163.22											
	478	4.38	48.71	-42.77	-8.67	14.62	-44.23	59.89	-298.74	41.95	-
280.8078.18											
429 5	126	2.71	23.79	-13.92	11.26	-1.39	-17.77	-74.00	-375.21	-88.70	-
360.5164.91											
	149	3.19	21.41	17.00	20.82	17.59	-1.49	-102.34	-457.67	-105.85	-
454.1535.16											
	499	1.42	6.41	-19.01	-12.17	-0.43	-11.27	-67.15	-178.21	-70.21	-
175.1518.18											
	479	1.43	3.61	-33.19	-11.94	-17.64	-18.18	-45.32	-122.56	-51.48	-
116.4020.92											
429 89	126	2.80	25.34	-21.08	6.96	-2.70	-22.70	-65.41	-348.12	-83.37	-
330.1668.96											
	149	3.07	22.95	10.08	16.75	16.27	-6.43	-96.25	-429.94	-100.70	-
425.4938.29											
	499	1.51	9.28	-25.57	-14.54	-1.75	-16.21	-61.73	-152.44	-67.26	-
146.9221.70											
	479	1.63	6.47	-39.97	-14.55	-18.95	-23.11	-35.74	-99.01	-48.29	-
86.4625.23											
429 107	126	2.08	18.01	-10.91	8.16	-1.06	-13.71	-56.21	-286.54	-67.51	-
275.2449.75											
	149	2.44	16.22	12.97	15.66	13.53	-1.22	-77.69	-349.42	-80.37	-
346.7326.86											
	499	1.09	4.94	-14.90	-9.64	-0.32	-8.76	-51.04	-136.01	-53.39	-
133.6613.91											
	479	1.10	2.75	-25.72	-9.42	-13.56	-14.08	-34.26	-93.56	-39.08	-
88.7316.22											
429 158	126	2.03	18.09	-11.24	7.80	-0.95	-14.00	-53.26	-274.10	-64.42	-
262.9448.38											
	149	2.36	16.36	12.55	15.36	13.54	-1.68	-74.12	-334.81	-76.70	-
332.2325.80											

	499	1.07	5.35	-15.27	-9.70	-0.22	-9.15	-48.88	-129.12	-51.14	-
126.8613.28											
	479	1.09	3.16	-25.99	-9.45	-13.37	-14.44	-32.28	-87.96	-37.10	-
83.1515.65											
429	164	126	2.03	16.23	-12.31	4.93	-1.00	-13.96	-51.61	-273.00	-62.82	-
261.7848.55											
	149	2.36	15.16	11.74	13.34	13.56	-1.71	-70.94	-332.28	-73.49	-
329.7425.68											
	499	1.11	5.03	-16.70	-11.44	-0.23	-9.31	-47.06	-128.98	-49.33	-
126.7113.44											
	479	1.09	2.59	-26.97	-10.92	-13.46	-14.73	-30.31	-88.91	-35.74	-
83.4817.00											
429	165	126	2.82	20.04	-10.20	8.92	0.93	-14.58	-82.15	-420.30	-88.37	-
414.0845.44											
	149	3.44	19.00	13.94	17.44	15.49	-2.33	-101.74	-503.67	-103.11	-
502.3123.40											
	499	2.03	7.97	-14.04	-7.76	1.70	-9.94	-76.20	-298.77	-76.24	-
298.733.03											
	479	1.91	6.04	-24.94	-7.37	-11.53	-15.35	-58.39	-235.39	-58.56	-
235.225.58											
429	206	126	2.95	18.16	-12.36	5.96	-0.16	-14.95	-89.81	-442.91	-96.63	-
436.0948.60											
	149	3.54	17.14	11.77	14.34	14.57	-2.68	-109.64	-522.42	-111.06	-
521.0024.23											
	499	1.12	7.11	-16.32	-9.91	0.70	-10.45	-46.30	-131.46	-46.63	-
131.135.29											
	479	1.21	4.81	-27.22	-9.76	-12.65	-15.95	-29.09	-81.62	-29.42	-
81.294.13											
430	5	480	5.53	99.80	82.25	87.77	94.29	-8.15	-106.92	-508.38	-508.26	-
107.04-6.84											
	481	8.34	-17.60	-213.41	-63.75	-167.26	83.11	209.91	-120.10	118.84	-
29.02147.52											
	130	3.49	42.10	-44.74	40.38	-43.02	12.09	281.59	12.56	71.17	
222.98111.06											
	129	4.51	7.32	-98.35	-75.73	-15.30	43.35	208.40	-55.92	-46.99	
199.4647.76											
430	95	480	5.79	96.72	46.11	56.35	86.48	-20.33	365.39	-281.32	-60.23	
144.29-306.76											
	481	12.54	-51.08	-207.41	-91.04	-167.45	68.19	1099.66	460.11	677.90	
881.87-303.08											
	130	8.47	42.98	-46.99	42.97	-46.98	-0.65	1057.27	252.02	257.26	
1052.02-64.77											
	129	4.01	-5.81	-82.99	-69.24	-19.57	29.54	370.59	8.49	9.53	
369.5619.32											
430	152	480	4.04	74.17	38.87	46.15	66.89	-14.28	221.05	-225.01	-89.59	
85.63-205.10											
	481	8.90	-35.89	-159.02	-66.98	-127.93	53.49	721.63	327.32	463.87	
585.08-187.61											
	130	5.97	32.60	-35.55	32.59	-35.54	0.87	725.33	176.81	178.72	
723.41-32.36											
	129	3.10	-3.10	-64.90	-53.57	-14.43	23.91	267.57	0.84	2.00	
266.4017.62											
430	160	480	4.30	78.32	69.72	78.27	69.76	0.61	-67.77	-352.27	-351.87	-
68.1710.59											
	481	6.49	2.24	-157.15	-33.21	-121.70	66.29	150.17	-99.93	113.96	-
63.7288.01											
	130	2.29	31.91	-35.11	27.94	-31.14	15.83	174.38	13.98	62.62	
125.7473.73											
	129	3.60	10.97	-78.01	-57.17	-9.86	37.68	150.19	-38.34	-30.33	
142.1838.03											
430	164	480	4.04	72.79	60.85	64.37	69.27	-5.45	-79.16	-370.86	-370.79	-
79.23-4.46											
	481	6.08	-13.69	-155.62	-47.12	-122.19	60.23	155.79	-87.49	89.54	-
21.24108.30											
	130	2.55	31.05	-33.15	29.53	-31.63	9.77	208.16	11.39	54.09	
165.45 81.11											
	129	3.33	5.91	-71.85	-55.59	-10.36	31.62	156.90	-39.26	-32.61	
150.2435.50											
430	191	480	5.69	89.10	70.35	87.83	71.62	4.70	-126.71	-562.84	-522.64	-

166.90126.16
481 9.40 13.63 -156.95 -23.47 -119.84 70.37 44.02 -566.93 -109.18 -
413.74264.81
130 3.93 33.02 -35.65 26.66 -29.28 19.92 65.44 -272.61 -11.76 -
195.41141.91
129 3.84 15.53 -82.15 -58.62 -8.01 41.77 91.52 -68.44 -52.24
75.3248.27
430 198 480 6.01 150.36 70.89 140.91 80.34 25.72 -75.33 -306.43 -306.25 -
75.516.49
481 6.16 7.26 -150.12 -19.95 -122.91 59.52 140.80 -76.32 82.17 -
17.7096.39
130 2.67 47.13 -24.06 37.94 -14.87 23.87 191.80 14.88 55.98
150.7174.71
129 4.12 -11.82 -104.31 -100.08 -16.04 19.32 154.52 -43.67 -37.42
148.2734.63
431 11 481 8.17 64.82 -165.53 -35.72 -64.99 -114.24 106.86 -132.92 -3.27 -
22.79119.49
482 8.56 40.51 -199.80 -74.51 -84.78 120.04 125.40 -89.25 31.57
4.58106.48
131 3.84 7.55 -83.78 -1.41 -74.82 -27.16 124.21 -64.34 6.55
53.3291.33
130 5.92 39.14 -126.00 -4.63 -82.23 72.89 211.83 -49.50 32.49
129.84121.26
431 95 481 11.09 65.29 -179.68 -44.44 -69.96 -121.82 775.07 -328.27 -268.23
715.03-250.29
482 12.95 25.71 -195.85 -80.06 -90.08 110.67 1212.30 -164.87 -152.70
1200.13-128.91
131 11.20 14.55 -94.97 -2.95 -77.46 -40.13 1346.45 219.21 220.61
1345.0439.75
130 10.05 31.95 -120.26 -3.95 -84.35 64.62 1003.08 140.85 146.98
996.95-72.43
431 152 481 7.83 50.06 -136.09 -32.91 -53.11 -92.52 509.89 -211.19 -175.65
474.35-156.08
482 9.15 21.37 -150.30 -60.37 -68.55 85.74 807.36 -102.99 -96.19
800.56-78.39
131 7.79 10.41 -71.65 -2.37 -58.87 -29.75 905.18 148.52 149.90
903.8032.31
130 7.17 25.37 -92.68 -3.12 -64.19 50.51 685.41 100.14 102.70
682.85-38.64
431 160 481 5.50 50.31 -113.40 -15.36 -47.73 -80.23 50.89 -94.63 8.80 -
52.5565.98
482 6.37 41.73 -147.92 -43.23 -62.96 94.31 54.13 -73.44 30.94 -
50.2549.20
131 2.25 2.29 -59.16 -3.45 -53.42 -17.88 47.34 -38.90 12.89 -
4.4542.24
130 4.45 34.87 -97.73 -4.00 -58.86 60.36 137.55 -9.03 30.83
97.6965.23
431 164 481 5.98 49.08 -122.27 -24.67 -48.52 -84.84 86.59 -80.32 23.75 -
17.4880.87
482 6.12 31.76 -148.00 -52.49 -63.75 89.70 82.68 -36.98 42.10
3.6056.65
131 2.73 5.48 -62.68 -2.99 -54.21 -22.49 83.64 -9.17 21.19
53.2743.55
130 4.21 30.78 -94.01 -3.60 -59.64 55.75 174.26 -2.28 35.37
136.6172.31
431 191 481 7.07 50.29 -108.11 -11.91 -45.90 -77.36 206.54 -415.72 127.26 -
336.45207.47
482 8.80 47.30 -148.25 -39.81 -61.13 97.19 139.42 -536.19 113.52 -
510.29129.74
131 4.79 1.09 -55.86 -3.18 -51.59 -15.00 -56.06 -500.68 -61.62 -
495.1349.37
130 6.11 38.25 -99.00 -3.72 -57.03 63.24 55.28 -280.59 -8.41 -
216.89131.67
431 204 481 6.32 35.32 -139.47 -55.43 -48.72 -87.33 91.52 -90.40 21.38 -
20.2688.55
482 6.26 21.80 -157.59 -72.34 -63.45 89.58 91.59 -41.28 46.40
3.9162.95
131 2.97 6.33 -66.75 -5.06 -55.36 -26.50 93.70 -10.40 23.47
59.8348.77

	130	3.93	23.64	-91.08	-3.47	-63.97	48.74	191.70	-3.99	37.69	
150.0280.12											
432 15	482	8.18	39.75	-184.36	-71.20	-73.41	-112.05	117.59	-116.42	1.33	-
0.16117.00											
	483	8.63	24.84	-212.00	-110.28	-76.88	117.23	99.71	-109.09	-11.61	
2.23104.17											
	132	3.51	0.95	-79.35	-9.16	-69.24	-26.64	93.84	-104.00	-18.31	
8.1498.03											
	131	6.11	39.84	-127.50	-8.68	-78.97	75.93	130.91	-100.68	-8.96	
39.19113.26											
432 95	482	12.38	48.89	-194.24	-64.64	-80.71	-121.30	1267.32	185.61	187.07	
1265.8639.63											
	483	11.19	25.18	-200.76	-92.55	-83.04	112.87	1264.38	150.60	158.04	
1256.9490.72											
	132	10.94	23.36	-97.82	0.22	-74.67	-47.64	1284.88	223.62	228.00	
1280.5167.97											
	131	11.36	31.78	-116.05	-3.83	-80.44	63.21	1353.34	245.97	247.60	
1351.7142.45											
432 152	482	8.86	36.68	-148.25	-50.14	-61.44	-92.29	845.52	127.41	128.99	
843.9433.60											
	483	7.96	19.91	-154.83	-71.69	-63.23	87.26	844.03	101.02	106.80	
838.2565.26											
	132	7.61	17.27	-73.98	0.07	-56.79	-35.68	858.18	149.12	152.58	
854.7249.38											
	131	7.95	25.13	-89.38	-3.00	-61.25	49.30	909.86	165.93	167.49	
908.29 34.11											
432 159	482	6.07	30.63	-141.20	-53.69	-56.89	-85.90	79.50	-60.78	18.62	
0.1069.52											
	483	6.30	21.54	-159.86	-79.22	-59.10	90.14	57.16	-52.93	2.25	
1.9855.05											
	132	2.71	7.47	-63.69	-3.36	-52.87	-25.56	52.00	-48.49	-3.64	
7.1649.95											
	131	4.26	30.13	-93.66	-4.80	-58.73	55.71	90.42	-39.62	7.34	
43.4562.46											
432 164	482	5.90	30.67	-140.74	-52.86	-57.22	-85.67	72.34	-39.98	32.08	
0.2753.86											
	483	6.04	23.47	-157.46	-74.93	-59.06	90.12	42.62	-29.63	10.80	
2.1835.87											
	132	2.72	12.72	-65.83	-0.54	-52.56	-29.43	36.63	-24.45	4.34	
7.8530.49											
	131	3.92	29.75	-90.30	-3.35	-57.19	53.65	82.99	-11.13	18.22	
53.6343.60											
432 191	482	6.16	27.74	-130.75	-48.13	-54.88	-79.17	-22.87	-551.77	-30.57	-
544.0763.32											
	483	7.44	33.40	-160.30	-70.18	-56.72	96.62	-49.89	-534.55	-50.38	-
534.0615.44											
	132	5.09	8.91	-59.11	0.02	-50.22	-22.92	-89.90	-535.89	-90.60	-
535.1917.70											
	131	6.32	36.71	-94.37	-2.81	-54.85	60.16	-72.87	-502.97	-78.32	-
497.5248.12											
432 200	482	6.14	21.21	-151.72	-73.40	-57.10	-86.08	79.47	-44.44	34.85	
0.1859.48											
	483	6.21	16.30	-166.22	-90.93	-58.98	89.85	46.83	-31.68	12.85	
2.3038.90											
	132	2.85	13.59	-67.97	-1.48	-52.90	-31.65	41.77	-25.12	5.26	
11.39 33.31											
	131	3.78	25.51	-88.18	-4.50	-58.17	50.11	92.30	-12.73	19.49	
60.0848.44											
433 15	483	8.32	21.66	-206.10	-108.82	-75.61	-112.66	98.16	-108.99	-12.34	
1.51103.34											
	484	8.68	13.68	-222.19	-131.74	-76.77	114.69	92.73	-104.43	-13.27	
1.5798.30											
	133	4.01	4.80	-89.60	-19.11	-65.69	-41.05	88.91	-104.43	-16.54	
1.0296.27											
	132	5.77	35.16	-121.04	-15.63	-70.26	73.17	98.39	-107.27	-17.62	
8.74101.98											
433 95	483	12.93	34.55	-209.52	-92.97	-82.00	-121.91	1293.76	255.23	269.95	
1279.04122.77											
	484	10.51	19.87	-201.94	-99.91	-82.16	110.55	1199.11	224.34	238.42	

1185.03116.29											
	133	10.54	36.66	-107.39	2.20	-72.92	-61.45	1178.61	232.40	237.84	
1173.17 71.57											
	132	10.58	30.38	-103.51	0.92	-74.05	55.46	1293.46	258.53	263.46	
1288.5271.28											
433 156	483	9.33	22.79	-159.81	-75.98	-61.04	-91.00	869.47	154.25	171.08	
852.64108.41											
	484	7.52	9.90	-159.56	-88.07	-61.60	83.69	806.65	136.78	153.36	
790.07104.08											
	133	7.20	14.51	-77.46	-9.26	-53.70	-40.26	793.75	143.54	151.96	
785.3373.50											
	132	7.25	21.12	-85.39	-8.25	-56.03	47.60	867.10	158.49	166.71	
858.8875.87											
433 159	483	6.12	18.44	-156.10	-79.31	-58.36	-86.64	56.62	-53.74	1.41	
1.4755.18											
	484	6.27	14.79	-164.04	-90.40	-58.85	88.01	49.44	-52.57	-4.54	
1.4250.92											
	133	3.13	14.52	-71.59	-6.00	-51.07	-36.69	44.76	-55.00	-6.08	-
4.1649.87											
	132	3.91	27.27	-85.73	-5.28	-53.18	51.17	54.26	-49.77	-3.29	
7.7851.72											
433 164	483	5.91	19.83	-154.29	-75.95	-58.51	-86.62	42.54	-31.08	9.75	
1.7236.59											
	484	5.96	18.25	-158.99	-82.04	-58.70	87.85	32.73	-31.36	-0.21	
1.5832.03											
	133	3.18	22.83	-73.65	0.66	-51.48	-40.59	27.10	-36.04	-0.99	-
7.9531.38											
	132	3.53	27.71	-80.36	-0.13	-52.53	47.26	37.91	-24.77	4.56	
8.5931.28											
433 191	483	6.65	16.25	-145.49	-72.83	-56.41	-80.45	-100.37	-544.37	-100.38	-
544.352.59											
	484	7.08	26.93	-162.42	-78.89	-56.60	94.02	-101.57	-500.78	-101.58	-
500.77-1.84											
	133	5.09	18.90	-66.74	1.55	-49.38	-34.42	-101.57	-511.06	-102.33	-
510.3017.61											
	132	5.95	34.38	-84.09	0.72	-50.43	53.43	-104.83	-538.18	-105.53	-
537.4817.38											
433 200	483	6.13	13.23	-163.78	-92.08	-58.46	-86.90	46.81	-33.26	11.76	
1.7939.72											
	484	6.10	12.69	-166.28	-94.94	-58.66	87.63	34.85	-32.09	1.17	
1.5933.47											
	133	3.29	23.69	-75.46	-0.08	-51.69	-42.33	29.94	-35.64	-0.38	-
5.3132.70											
	132	3.43	24.99	-78.82	-0.96	-52.87	44.95	43.11	-25.38	5.39	
12.3434.07											
434 15	484	8.61	15.84	-220.83	-128.84	-76.15	-115.37	92.15	-103.56	-13.07	
1.6697.58											
	485	8.39	13.90	-216.27	-126.17	-76.21	112.34	91.44	-91.10	-0.84	
1.1891.26											
	134	4.76	8.13	-108.99	-30.67	-70.20	-55.12	97.99	-89.55	-7.35	
15.8093.05											
	133	4.93	16.43	-107.89	-24.73	-66.73	58.50	92.75	-108.28	-16.49	
0.96100.13											
434 95	484	12.54	36.02	-214.20	-96.18	-81.99	-124.91	1199.10	231.65	244.47	
1186.27110.66											
	485	10.16	28.63	-187.92	-77.85	-81.43	108.26	1124.84	220.78	233.12	
1112.50104.92											
	134	10.58	42.25	-121.57	-1.48	-77.84	-72.47	1114.82	216.25	222.13	
1108.9372.50											
	133	9.71	20.80	-90.71	2.69	-72.60	41.13	1178.46	228.67	234.26	
1172.8772.64											
434 123	484	5.17	8.26	-128.84	-64.96	-55.62	-68.39	-22.17	-263.28	-54.17	-
231.2881.81											
	485	7.59	50.31	-163.08	-57.31	-55.46	106.69	-8.56	-227.92	-40.78	-
195.6977.65											
	134	2.78	-2.04	-64.49	-14.86	-51.67	-25.23	-16.92	-214.52	-41.34	-
190.1065.03											
	133	5.19	34.17	-93.76	-11.18	-48.41	61.20	-30.89	-257.74	-53.17	-
235.4667.51											

434	159	484	6.29	16.32	-164.11	-89.19	-58.60	-88.91	49.76	-52.67	-4.38
1.48	51.13										
		485	6.03	17.31	-156.45	-80.73	-58.41	86.16	49.26	-47.07	1.23
0.96	48.16										
		134	3.67	17.86	-84.31	-11.68	-54.76	-46.32	52.14	-49.02	-1.79
4.91	50.47										
		133	3.32	15.79	-75.12	-7.93	-51.40	39.93	46.60	-56.54	-5.96	-
3.98	51.56										
434	164	484	6.03	19.67	-159.89	-81.60	-58.62	-89.04	33.64	-32.05	-0.04
1.63	32.83										
		485	5.73	22.86	-149.36	-68.26	-58.25	85.96	33.15	-29.50	2.66
0.99	31.31										
		134	3.71	26.98	-84.90	-2.57	-55.35	-49.32	34.60	-34.07	1.17	-
0.63	34.32										
		133	3.03	19.00	-69.90	0.56	-51.46	36.04	28.06	-36.47	-0.82	-
7.59	32.08										
434	191	484	6.55	15.12	-152.62	-80.81	-56.68	-83.00	-103.50	-501.53	-103.83	-
501.21	11.32										
		485	6.96	30.31	-154.03	-67.41	-56.30	92.00	-93.77	-467.19	-94.09	-
466.86	10.99										
		134	5.10	22.94	-77.94	-1.59	-53.41	-43.28	-89.79	-469.44	-91.54	-
467.68	25.74										
		133	5.47	25.19	-73.23	1.48	-49.52	42.08	-99.32	-510.82	-100.53	-
509.61	22.28										
434	200	484	6.20	14.48	-167.64	-94.56	-58.60	-89.27	35.82	-32.81	1.37
1.65	34.32										
		485	5.81	17.96	-154.81	-78.63	-58.22	85.78	34.00	-29.37	3.63
0.99	31.66										
		134	3.79	27.73	-86.44	-3.20	-55.50	-50.74	35.97	-33.12	1.60
1.25	34.55										
		133	2.94	17.02	-68.76	-0.09	-51.65	34.28	30.91	-36.01	-0.20	-
4.90	33.38										
435	15	485	8.61	21.42	-218.60	-121.67	-75.51	-117.77	90.86	-89.11	0.53
1.22	89.98										
		486	8.01	22.66	-205.24	-107.45	-75.13	112.80	85.32	-67.39	19.12	-
1.19	75.67										
		135	4.87	-1.27	-119.48	-41.54	-79.21	-56.03	108.56	-52.49	8.13	
47.95	78.02										
		134	4.21	-5.14	-102.38	-35.85	-71.67	45.20	102.66	-92.13	-6.94	
17.46	96.63										
435	95	485	12.27	50.57	-204.18	-72.23	-81.37	-127.29	1123.20	219.02	230.46	
1111.76	101.05										
		486	10.04	47.57	-173.32	-45.12	-80.63	109.01	1058.93	219.60	229.79	
1048.74	91.92										
		135	10.50	33.59	-127.91	-7.75	-86.57	-70.48	1082.61	216.13	220.99	
1077.75	64.71										
		134	9.39	9.43	-89.17	-1.39	-78.35	30.82	1117.23	219.28	225.16	
1111.35	72.42										
435	152	485	8.86	37.53	-156.53	-57.01	-61.99	-96.99	749.91	145.53	154.13	
741.31	71.59										
		486	7.20	36.29	-133.96	-36.25	-61.42	84.19	706.66	147.33	154.91	
699.08	64.71										
		135	7.44	25.10	-97.28	-6.21	-65.98	-53.39	725.26	144.56	148.40	
721.42	47.06										
		134	6.52	7.43	-68.44	-1.35	-59.67	24.26	745.71	145.60	150.30	
741.01	52.92										
435	160	485	5.76	27.06	-146.88	-62.27	-57.56	-86.94	19.12	-61.71	-4.34	-
38.25	36.69										
		486	5.88	41.22	-140.28	-42.03	-57.03	90.44	23.04	-49.87	6.25	-
33.09	30.69										
		135	3.45	16.72	-86.23	-8.05	-61.46	-44.01	27.78	-36.79	1.52	-
10.53	31.71										
		134	3.04	11.76	-70.45	-3.44	-55.25	31.91	17.99	-62.82	-6.41	-
38.42	37.10										
435	164	485	6.00	28.85	-153.34	-66.44	-58.06	-91.00	34.02	-29.33	3.67	
1.02	31.65										
		486	5.56	34.69	-138.44	-46.23	-57.52	86.38	32.68	-20.41	12.91	-
0.64	25.67										
		135	3.74	20.28	-90.04	-7.81	-61.95	-48.06	45.15	-15.25	8.02	

21.8929.39											
	134	2.70	8.85	-67.76	-3.17	-55.75	27.86	35.94	-33.67	1.45	
0.8234.80											
435 191	485	6.44	23.26	-147.28	-67.86	-56.15	-85.07	-90.80	-466.92	-91.25	-
466.4712.94											
	486	6.82	40.79	-143.99	-47.59	-55.62	92.30	-75.85	-438.32	-76.00	-
438.177.34											
	135	4.95	16.38	-83.28	-6.85	-60.05	-42.14	-78.46	-416.79	-79.82	-
415.4421.36											
	134	5.12	14.44	-70.56	-2.28	-53.85	33.78	-90.53	-468.30	-92.38	-
466.4626.35											
435 200	485	6.10	24.22	-159.12	-76.86	-58.04	-91.19	34.89	-29.24	4.63	
1.0232.01											
	486	5.58	30.23	-142.24	-54.51	-57.50	86.22	32.67	-19.81	13.48	-
0.6225.27											
	135	3.80	20.88	-91.31	-8.37	-62.07	-49.25	45.46	-14.20	8.24	
23.0228.90											
	134	2.63	7.35	-66.93	-3.70	-55.87	26.43	37.29	-32.71	1.88	
2.6935.00											
436 15	486	8.26	29.46	-207.11	-103.41	-74.23	-117.38	84.22	-64.79	20.98	-
1.5573.64											
	487	7.89	27.82	-206.15	-103.31	-75.02	116.12	68.37	-42.43	28.93	-
2.9953.05											
	136	4.17	-17.66	-112.65	-47.25	-83.05	-43.99	96.17	-14.72	16.35	
65.1049.80											
	135	4.13	-14.35	-112.54	-46.07	-80.82	45.92	113.76	-53.15	9.22	
51.3980.75											
436 95	486	11.96	67.43	-188.42	-40.73	-80.26	-126.39	1058.47	223.84	233.48	
1048.8289.20											
	487	10.07	59.93	-171.51	-30.81	-80.77	112.99	997.98	220.34	227.37	
990.9473.62											
	136	9.91	19.51	-119.20	-9.59	-90.10	-56.48	1039.87	212.85	215.04	
1037.6842.46											
	135	9.46	5.11	-100.25	-7.77	-87.37	34.50	1085.90	218.08	222.68	
1081.3162.99											
436 123	486	4.98	17.66	-123.37	-46.59	-59.11	-70.23	7.76	-189.14	-18.07	-
163.3066.48											
	487	7.36	58.44	-161.04	-42.98	-59.62	109.42	13.19	-150.73	-6.26	-
131.2853.01											
	136	2.50	-19.42	-71.35	-24.55	-66.22	-15.49	2.95	-103.09	-13.71	-
86.4238.59											
	135	4.59	12.89	-100.86	-23.60	-64.36	53.10	1.13	-155.56	-24.64	-
129.7958.09											
436 160	486	5.58	37.51	-136.40	-41.37	-57.52	-86.58	23.61	-49.50	7.47	-
33.3630.33											
	487	5.90	47.83	-139.93	-34.17	-57.93	93.13	21.00	-35.62	13.03	-
27.6519.70											
	136	2.97	6.04	-80.96	-9.94	-64.98	-33.69	24.30	-9.00	6.52	
8.78 16.61											
	135	3.10	7.92	-79.55	-8.66	-62.97	34.28	28.99	-34.81	2.12	-
7.9431.50											
436 164	486	5.80	39.97	-141.70	-44.60	-57.12	-90.62	33.05	-19.84	14.12	-
0.9125.36											
	487	5.57	42.16	-137.13	-37.44	-57.53	89.08	26.15	-9.60	18.35	-
1.8014.76											
	136	3.22	9.48	-83.80	-9.75	-64.58	-37.73	41.42	4.87	11.69	
34.5914.25											
	135	2.77	5.08	-76.08	-8.43	-62.57	30.24	46.75	-13.66	8.61	
24.4829.14											
436 183	486	5.60	33.38	-136.17	-46.72	-56.07	-84.64	-36.26	-302.15	-45.59	-
292.8148.94											
	487	6.83	47.44	-143.43	-39.51	-56.48	95.06	-36.92	-305.18	-42.62	-
299.4838.68											
	136	3.91	5.38	-78.16	-9.25	-63.53	-31.76	-45.40	-266.09	-48.55	-
262.9426.17											
	135	4.39	10.29	-79.78	-7.98	-61.51	36.22	-43.04	-274.68	-50.42	-
267.3040.69											
436 202	486	5.77	44.07	-137.98	-36.78	-57.13	-90.45	33.13	-20.41	13.64	-
0.9225.76											

	487	5.59	45.64	-134.68	-31.49	-57.55	89.22	26.71	-10.39	18.15	-
1.8315.63											
	136	3.18	9.13	-82.77	-9.16	-64.48	-36.69	41.70	4.04	11.70	
34.04 15.17											
	135	2.83	6.48	-76.83	-7.88	-62.47	31.47	46.53	-14.69	8.46	
23.3829.69											
437 15	487	7.93	31.30	-202.94	-100.87	-70.77	-116.15	66.15	-39.86	28.85	-
2.5650.62											
	488	8.44	20.82	-233.70	-129.74	-83.14	125.11	40.89	-24.45	17.52	-
1.0831.32											
	137	3.55	-16.55	-102.77	-40.27	-79.05	-38.50	54.42	-3.81	7.72	
42.8923.20											
	136	4.65	-5.91	-132.18	-52.77	-85.31	61.00	97.24	-17.69	15.45	
64.1052.06											
437 95	487	11.47	73.81	-179.83	-29.37	-76.65	-124.60	997.14	218.61	225.16	
990.59 71.10											
	488	10.36	53.88	-194.28	-51.43	-88.96	122.65	942.38	201.84	206.26	
937.9657.05											
	137	9.27	24.27	-108.20	2.12	-86.05	-49.44	964.24	197.23	197.88	
963.5922.30											
	136	9.53	13.78	-116.67	-11.30	-91.58	51.41	1039.02	212.82	214.77	
1037.0740.10											
437 123	487	4.78	17.94	-120.60	-46.67	-55.99	-69.12	13.30	-149.44	-5.28	-
130.8651.75											
	488	7.63	50.65	-182.30	-66.26	-65.39	116.48	8.16	-112.36	-6.53	-
97.6839.42											
	137	2.33	-15.04	-65.11	-17.46	-62.68	-10.75	-5.84	-77.74	-12.99	-
70.5921.52											
	136	4.89	20.88	-115.58	-27.44	-67.26	65.26	3.09	-104.14	-14.02	-
87.0339.27											
437 160	487	5.36	41.38	-130.69	-34.52	-54.79	-85.44	20.64	-35.13	13.05	-
27.5419.12											
	488	6.23	42.54	-158.18	-51.56	-64.08	100.16	10.71	-22.63	7.94	-
19.869.20											
	137	2.63	9.75	-73.22	-1.64	-61.83	-28.55	4.47	-1.49	2.99	-3.38e-
032.58											
	136	3.51	15.31	-93.13	-11.68	-66.15	46.88	23.33	-8.57	6.44	
8.3115.93											
437 164	487	5.57	44.30	-135.57	-36.78	-54.49	-89.50	25.53	-9.12	18.16	-
1.7414.18											
	488	5.93	37.42	-155.04	-53.85	-63.77	96.10	13.09	-1.77	11.78	-
0.464.22											
	137	2.85	12.80	-75.84	-1.52	-61.53	-32.61	19.41	6.86	6.87	
19.41 0.14											
	136	3.21	12.03	-89.39	-11.52	-65.84	42.82	40.47	5.25	11.60	
34.1213.54											
437 183	487	5.47	37.04	-130.49	-40.08	-53.36	-83.50	-36.98	-305.17	-42.75	-
299.4038.91											
	488	7.19	42.25	-162.03	-57.13	-62.65	102.10	-47.34	-308.75	-50.72	-
305.3729.54											
	137	3.98	9.15	-70.59	-1.03	-60.40	-26.61	-54.11	-286.10	-54.86	-
285.3613.12											
	136	4.78	17.82	-93.59	-11.06	-64.72	48.82	-45.54	-266.49	-48.63	-
263.4025.93											
437 220	487	5.58	42.48	-137.03	-40.05	-54.50	-89.46	25.59	-9.24	18.09	-
1.7314.32											
	488	5.95	35.49	-156.86	-57.59	-63.78	96.13	13.31	-1.86	11.89	-
0.454.41											
	137	2.84	13.09	-75.53	-0.97	-61.47	-32.38	19.28	6.97	6.99	
19.26 0.46											
	136	3.23	12.81	-89.51	-10.93	-65.77	43.19	40.21	5.12	11.62	
33.7213.63											
438 15	488	7.79	22.57	-211.40	-120.50	-68.33	-114.04	37.90	-22.80	15.22	-
0.1229.36											
	489	8.56	11.61	-245.92	-155.27	-79.04	123.00	15.22	-15.78	-2.53	
1.9715.34											
	138	2.87	-16.25	-89.81	-39.52	-66.54	-34.21	11.20	-13.46	-8.24	
5.9810.08											
	137	4.20	-3.29	-122.62	-52.67	-73.24	58.77	52.19	-9.69	4.60	

37.9026.08											
438	73	488	9.21	64.13	-183.83	-46.06	-73.64	-123.21	748.31	158.80	163.40
743.72-51.86											
		489	10.34	39.26	-200.08	-76.41	-84.41	119.60	795.70	154.48	160.14
790.04-59.97											
		138	7.59	26.91	-92.02	8.05	-73.16	-43.44	782.96	155.37	157.18
781.15-33.64											
		137	7.87	18.30	-104.24	-6.64	-79.30	49.34	766.75	155.58	156.96
765.38-28.97											
438	141	488	6.76	47.76	-140.89	-37.04	-56.09	-93.84	498.77	107.31	110.30
495.78-34.05											
		489	7.59	29.99	-154.72	-60.37	-64.36	92.33	530.67	102.99	106.79
526.88-40.11											
		138	5.34	19.73	-69.83	5.60	-55.70	-32.65	521.28	103.43	104.68
520.03-22.83											
		137	5.61	14.20	-80.29	-5.66	-60.44	38.49	513.35	104.55	105.46
512.43-19.34											
438	160	488	5.19	34.17	-133.30	-46.42	-52.71	-83.68	9.27	-22.39	6.47	-
19.598.99											
		489	6.16	33.48	-163.89	-69.60	-60.82	98.59	-0.45	-12.59	-2.12	-
10.914.18											
		138	2.32	10.58	-61.02	1.76	-52.19	-23.54	-3.21	-17.83	-3.23	-
17.81-0.52											
		137	3.23	18.75	-85.03	-9.31	-56.96	46.10	3.16	-3.84	2.36	-
3.042.23											
438	164	488	5.39	37.79	-137.81	-47.51	-52.51	-87.76	11.51	-1.49	10.21	-
0.203.89											
		489	5.90	28.96	-160.31	-70.73	-60.62	94.50	1.90	-0.33	0.23	
1.35-0.97											
		138	2.43	13.38	-63.67	1.71	-51.99	-27.63	0.65	-7.00	-0.81	-
5.54-3.01											
		137	3.05	15.27	-81.27	-9.24	-56.77	42.01	16.37	6.19	6.20	
16.37-0.21											
438	183	488	5.44	30.24	-133.30	-51.75	-51.31	-81.77	-47.52	-308.53	-51.16	-
304.8930.61											
		489	7.11	33.62	-167.97	-74.93	-59.42	100.50	-60.96	-317.93	-63.70	-
315.1926.38											
		138	3.84	9.97	-58.49	2.27	-50.79	-21.63	-63.71	-322.42	-64.17	-
321.9610.83											
		137	4.55	21.24	-85.58	-8.77	-55.56	48.01	-54.01	-288.96	-54.73	-
288.2413.03											
438	216	488	5.41	35.18	-140.42	-52.73	-52.52	-87.80	11.48	-1.28	10.41	-
0.213.54											
		489	5.94	26.71	-162.80	-75.47	-60.62	94.47	2.42	-0.52	0.56	
1.33-1.42											
		138	2.44	13.85	-63.80	2.05	-52.00	-27.87	1.23	-7.04	-0.52	-
5.29-3.38											
		137	3.05	15.39	-80.97	-8.84	-56.74	41.81	16.49	6.36	6.40	
16.46-0.61											
439	15	489	8.39	7.90	-243.67	-156.58	-79.19	-119.69	14.33	-16.47	-4.04	
1.91 15.11											
		490	8.02	12.99	-231.42	-149.31	-69.13	115.44	7.71	-7.42	-1.91	
2.20 7.28											
		139	3.59	-5.95	-108.13	-48.10	-65.97	-50.30	9.04	-11.85	-8.15	
5.35 7.97											
		138	3.64	-0.67	-105.41	-39.92	-66.15	50.70	13.84	-18.36	-8.78	
4.2614.72											
439	73	489	9.56	51.29	-206.33	-77.94	-77.11	-128.81	795.12	149.36	155.21	
789.28-61.16											
		490	9.91	43.96	-180.03	-69.28	-66.79	111.99	849.62	162.31	168.11	
843.82-62.83											
		139	7.83	33.26	-97.73	0.18	-64.65	-56.91	838.44	166.08	167.23	
837.29-27.71											
		138	7.60	29.25	-85.36	8.93	-65.04	43.77	780.81	153.28	154.97	
779.12-32.52											
439	141	489	7.04	37.61	-158.70	-61.57	-59.51	-98.15	530.26	99.48	103.38	
526.36-40.81											
		490	7.25	33.24	-139.76	-54.92	-51.60	86.48	566.60	108.28	112.17	
562.72-42.04											

	139	5.53	24.44	-74.84	-0.46	-49.94	-43.03	558.38	110.71	111.46	
557.64-18.28											
	138	5.39	22.35	-66.34	6.24	-50.24	34.19	519.67	102.01	103.17	
518.51-21.96											
439 160	489	5.60	21.62	-154.73	-72.44	-60.67	-87.98	3.53	-12.63	1.87	-
10.984.90											
	490	5.75	33.62	-152.34	-65.80	-52.93	92.76	11.19	0.63	2.40	
9.42 3.95											
	139	2.61	13.68	-69.11	-4.24	-51.18	-34.10	6.79	-1.38	1.43	
3.98 3.88											
	138	3.06	24.93	-74.11	2.26	-51.44	41.61	1.39	-19.09	1.38	-
19.080.42											
439 164	489	5.77	25.78	-158.68	-72.11	-60.79	-92.06	1.36	-0.71	-0.68	
1.33-0.25											
	490	5.51	29.62	-148.17	-65.49	-53.05	88.68	2.17	-0.16	0.76	
1.24 -1.14											
	139	2.75	16.98	-72.65	-4.36	-51.30	-38.18	0.28	-4.66	-0.18	-
4.191.44											
	138	2.80	21.46	-70.85	2.17	-51.57	37.53	-0.40	-7.47	-1.07	-
6.80-2.07											
439 183	489	5.95	16.56	-156.36	-77.70	-62.10	-86.11	-55.84	-317.97	-58.87	-
314.9527.99											
	490	6.76	32.30	-157.69	-71.03	-54.36	94.63	-59.84	-322.16	-62.68	-
319.3327.13											
	139	4.04	12.26	-68.62	-3.75	-52.61	-32.23	-62.85	-325.66	-63.73	-
324.7815.15											
	138	4.61	26.54	-76.68	2.73	-52.87	43.48	-58.95	-323.59	-59.46	-
323.08 11.62											
439 216	489	5.82	23.62	-161.27	-76.86	-60.80	-92.10	1.55	-0.57	-0.33	
1.31-0.67											
	490	5.55	27.64	-150.44	-69.75	-53.05	88.65	2.78	-0.54	1.02	
1.22 -1.66											
	139	2.77	17.48	-72.78	-4.01	-51.29	-38.44	0.32	-4.25	0.11	-
4.040.96											
	138	2.79	21.57	-70.58	2.55	-51.56	37.30	0.21	-7.51	-0.77	-
6.54-2.56											
440 15	490	8.55	8.31	-250.43	-158.20	-83.93	-123.93	7.11	-5.82	-0.33	
1.63 6.39											
	491	7.70	17.13	-219.32	-130.74	-71.46	114.45	17.14	-1.32	16.02	-
0.20-4.41											
	140	4.52	1.70	-132.01	-50.49	-79.83	-65.23	35.65	6.37	6.48	
35.54 -1.79											
	139	3.44	-5.61	-103.27	-37.26	-71.61	45.71	15.33	-12.49	-5.61	
8.44 12.01											
440 73	490	10.23	49.72	-216.96	-77.36	-89.88	-133.19	850.14	165.92	171.74	
844.32-62.84											
	491	10.42	47.69	-175.81	-50.82	-77.31	110.96	901.76	187.72	194.78	
894.70-70.64											
	140	9.18	37.22	-126.88	-3.76	-85.91	-71.03	920.96	186.42	187.85	
919.53-32.35											
	139	8.31	27.21	-94.69	10.90	-78.38	41.50	840.76	167.56	168.68	
839.64-27.36											
440 141	490	7.50	36.71	-166.44	-61.21	-68.51	-101.51	566.94	110.85	114.75	
563.04-41.99											
	491	7.57	36.34	-136.00	-40.80	-58.87	85.69	601.32	126.54	131.42	
596.44-47.89											
	140	6.53	27.68	-96.62	-3.48	-65.47	-53.87	616.49	125.21	126.18	
615.52-21.79											
	139	5.87	20.80	-72.72	7.75	-59.67	32.40	560.15	111.76	112.48	
559.43-17.98											
440 162	490	6.10	28.54	-163.88	-70.36	-64.98	-96.17	114.48	23.51	24.40	
113.59-8.97											
	491	5.71	34.39	-139.88	-49.97	-55.52	87.09	121.50	33.30	35.69	
119.11-14.31											
	140	3.95	21.98	-91.44	-7.45	-62.01	-49.72	138.34	30.61	30.91	
138.03 -5.71											
	139	3.29	19.38	-72.11	3.47	-56.20	34.68	109.90	22.60	22.64	
109.86 -1.96											
440 164	490	5.97	27.05	-163.80	-72.31	-64.44	-95.35	2.34	0.77	1.88	

1.23-0.72											
	491	5.46	34.49	-141.37	-51.90	-54.97	87.92	14.23	-2.69	11.76	-
0.22-5.98											
	140	3.47	21.52	-90.27	-7.28	-61.47	-48.89	18.96	6.85	7.10	
18.72-1.69											
	139	2.84	20.23	-72.27	3.62	-55.65	35.51	1.27	-3.53	0.22	-
2.491.98											
440	183	490	6.14	18.84	-160.77	-79.15	-62.78	-89.43	-59.45	-322.47	-62.41	-
319.5127.75											
	491	6.68	37.87	-149.87	-58.68	-53.31	93.83	-54.67	-341.95	-56.47	-
340.1522.68											
	140	4.51	17.34	-83.74	-6.60	-59.81	-42.97	-60.19	-321.70	-60.76	-
321.1312.16											
	139	4.61	25.75	-75.51	4.24	-53.99	41.42	-62.83	-324.11	-63.78	-
323.1715.65											
440	216	490	6.01	25.05	-166.09	-76.59	-64.44	-95.38	2.95	0.41	2.13	
1.22 -1.18											
	491	5.48	32.53	-143.22	-55.71	-54.98	87.88	14.58	-3.04	11.77	-
0.23-6.46											
	140	3.48	22.11	-90.42	-6.90	-61.42	-49.22	18.90	6.79	7.19	
18.51 -2.15											
	139	2.82	20.36	-71.99	4.01	-55.63	35.25	1.02	-2.95	0.45	-
2.381.39											
441	15	491	7.81	18.42	-224.03	-130.24	-75.37	-118.08	19.76	-2.70	17.82	-
0.77-6.30											
	492	7.81	21.69	-213.16	-117.74	-73.73	115.35	42.33	-15.72	29.27	-
2.65-24.24											
	141	3.88	-15.16	-122.13	-51.59	-85.71	-50.69	72.32	5.31	17.26	
60.36-25.65											
	140	3.35	-20.87	-104.91	-47.32	-78.46	39.03	39.32	8.02	8.08	
39.26 1.41											
441	73	491	9.58	49.93	-181.32	-49.80	-81.59	-114.52	902.88	193.35	200.91	
895.32-72.84											
	492	11.47	66.29	-186.08	-39.60	-80.19	124.54	961.27	210.78	221.64	
950.40-89.66											
	141	9.24	11.98	-110.21	-6.57	-91.66	-43.85	1005.30	204.25	207.99	
1001.56-54.57											
	140	8.99	20.20	-107.46	-2.09	-85.17	48.46	924.80	188.66	190.23	
923.23-33.95											
441	141	491	6.97	38.09	-140.21	-40.00	-62.11	-88.46	602.05	130.46	135.69	
596.82-49.38											
	492	8.30	49.36	-142.52	-32.12	-61.04	94.85	641.22	142.61	150.47	
633.36-62.10											
	141	6.51	9.23	-84.71	-5.62	-69.86	-34.28	675.55	137.58	140.36	
672.77-38.58											
	140	6.34	14.54	-81.60	-2.20	-64.86	36.46	619.39	126.77	127.84	
618.33-22.87											
441	162	491	5.58	36.30	-143.91	-49.12	-58.50	-89.98	121.61	35.00	37.60	
119.01-14.78											
	492	5.97	40.65	-139.11	-41.04	-57.42	89.50	133.24	38.41	46.40	
125.26-26.33											
	141	3.60	8.76	-84.46	-9.49	-66.21	-36.99	168.22	34.99	38.34	
164.87-20.86											
	140	3.39	8.50	-75.86	-6.18	-61.19	31.98	140.99	31.38	31.70	
140.67-5.90											
441	164	491	5.61	36.45	-145.37	-51.03	-57.90	-90.84	15.47	-2.83	13.08	-
0.45-6.16											
	492	5.60	39.03	-138.79	-42.94	-56.82	88.64	29.97	-11.40	20.34	-
1.76-17.49											
	141	3.02	9.69	-84.64	-9.34	-65.61	-37.85	46.08	4.62	12.76	
37.94-16.47											
	140	2.74	8.07	-74.69	-6.04	-60.59	31.12	21.53	7.43	7.65	
21.31 -1.74											
441	184	491	5.94	31.77	-138.41	-47.31	-59.34	-84.88	360.37	83.97	86.67	
357.67-27.16											
	492	7.09	46.34	-143.82	-39.23	-58.25	94.60	388.79	94.16	99.45	
383.50-39.11											
	141	4.91	4.66	-81.23	-9.52	-67.05	-31.89	425.12	88.13	90.35	
422.90-27.25											
	140	4.84	12.29	-80.52	-6.21	-62.02	37.08	379.62	79.31	79.78	

379.15-11.89											
441	216	491	5.63	34.51	-147.28	-54.86	-57.91	-90.89	15.76	-3.12	13.08	-0.44-6.59
		492	5.61	37.26	-140.22	-46.12	-56.83	88.58	30.08	-11.70	20.12	-1.74-17.80
		141	3.04	10.40	-84.86	-8.93	-65.53	-38.32	45.83	4.21	12.66	37.39-16.74
		140	2.73	8.18	-74.33	-5.62	-60.54	30.79	21.45	7.33	7.71	21.07-2.30
442	15	492	7.69	20.77	-213.43	-118.43	-74.23	-114.99	44.36	-17.77	29.45	-2.86-26.54
		493	8.44	18.12	-227.76	-135.44	-74.20	119.07	58.47	-36.53	23.23	-1.29-45.89
		142	3.33	-27.51	-103.28	-48.11	-82.68	-33.71	85.83	-25.82	11.78	48.24-52.77
		141	4.34	-11.79	-122.72	-49.21	-85.30	52.45	71.26	7.55	17.69	61.12-23.31
442	73	492	9.60	51.60	-173.54	-41.16	-80.78	-110.81	962.34	211.06	222.85	950.55-93.37
		493	12.03	58.30	-200.36	-61.06	-81.00	128.94	1029.56	215.36	231.13	1013.78-112.23
		142	9.32	3.88	-96.66	-3.87	-88.91	-26.82	1061.69	210.00	217.86	1053.84-81.42
		141	10.00	25.95	-125.00	-6.98	-92.07	62.34	1006.46	204.71	208.87	1002.30-57.58
442	141	492	6.94	39.55	-134.12	-33.11	-61.46	-85.67	641.98	142.79	151.31	633.46-64.66
		493	8.71	43.39	-153.39	-48.37	-61.63	98.17	687.47	144.63	156.37	675.73-78.95
		142	6.51	2.86	-74.11	-3.54	-67.71	-21.25	712.71	140.44	146.56	706.59-58.86
		141	7.09	18.95	-95.00	-5.91	-70.13	47.07	676.41	137.87	140.95	673.32-40.67
442	162	492	5.47	38.58	-137.23	-40.95	-57.70	-87.51	133.82	38.16	46.74	125.24-27.33
		493	6.35	35.65	-149.35	-55.86	-57.84	92.50	150.02	29.38	44.98	134.43-40.47
		142	3.16	1.68	-72.94	-7.33	-63.92	-24.32	176.53	26.27	37.31	165.49-39.19
		141	4.08	12.93	-88.79	-9.57	-66.28	42.22	168.97	34.87	38.50	165.34-21.77
442	164	492	5.58	38.94	-138.55	-42.56	-57.06	-88.45	30.62	-11.87	20.55	-1.81-18.07
		493	5.98	34.22	-148.89	-57.47	-57.20	91.56	40.38	-24.16	17.12	-0.90-30.99
		142	2.60	2.50	-72.98	-7.19	-63.28	-25.26	55.95	-15.73	9.95	30.27-34.37
		141	3.44	12.41	-87.48	-9.43	-65.64	41.28	47.00	4.20	12.81	38.40-17.16
442	184	492	5.80	33.41	-132.22	-40.28	-58.53	-82.31	389.30	94.22	100.00	383.52-40.88
		493	7.49	40.79	-154.63	-55.16	-58.67	97.69	423.76	93.42	102.64	414.54-54.41
		142	4.79	-1.51	-70.53	-7.29	-64.75	-19.12	451.43	87.88	93.91	445.39-46.44
		141	5.59	17.13	-93.80	-9.56	-67.11	47.42	425.86	88.30	90.74	423.42-28.59
442	208	492	5.57	36.98	-140.16	-46.12	-57.06	-88.40	29.90	-11.12	20.58	-1.80-17.19
		493	6.00	32.22	-151.01	-61.58	-57.21	91.59	39.61	-23.36	17.14	-0.89-30.17
		142	2.58	2.19	-72.75	-7.34	-63.23	-24.96	55.18	-14.88	9.94	30.36-33.51
		141	3.44	12.58	-87.80	-9.60	-65.62	41.65	46.34	4.89	12.80	38.42-16.29
443	15	493	7.99	8.64	-222.94	-139.46	-74.84	-111.19	59.28	-38.94	21.29	-0.95-47.83
		494	9.21	4.35	-255.87	-176.12	-75.40	119.97	66.56	-57.88	7.07	1.60-62.16

	143	3.23	-20.88	-90.23	-38.87	-72.24	-30.40	76.93	-60.78	-1.21	17.37-68.23
	142	5.24	8.50	-133.98	-44.20	-81.28	68.79	80.48	-25.15	10.58	44.76-49.97
443 73	493	9.54	31.66	-181.28	-68.29	-81.33	-106.27	1031.97	215.52	232.75	1014.74-117.33
	494	12.54	35.92	-226.30	-108.20	-82.18	130.46	1109.90	216.54	236.86	1089.58-133.21
	143	9.36	10.81	-84.50	5.15	-78.83	-22.54	1109.09	211.15	222.05	1098.19-98.32
	142	10.79	43.78	-135.42	-3.37	-88.27	78.91	1058.43	206.70	214.98	1050.15-83.56
443 141	493	6.86	24.69	-140.02	-53.44	-61.88	-82.25	689.18	144.53	157.29	676.41-82.40
	494	9.09	26.55	-173.15	-84.07	-62.53	99.27	741.73	143.67	158.89	726.51-94.20
	143	6.50	8.16	-64.73	3.38	-59.96	-18.03	741.85	139.88	148.45	733.28-71.33
	142	7.68	32.62	-102.94	-3.12	-67.20	59.73	710.24	138.13	144.57	703.80-60.32
443 162	493	5.55	26.22	-142.72	-58.40	-58.10	-84.47	150.89	28.12	44.23	134.78-41.46
	494	6.72	20.78	-168.08	-88.58	-58.72	93.24	166.33	17.36	37.64	146.04-51.09
	143	2.87	6.87	-63.52	-0.47	-56.18	-21.51	170.73	14.90	32.14	153.49-48.88
	142	4.68	26.39	-96.40	-6.68	-63.33	54.47	174.32	25.03	36.41	162.93-39.63
443 164	493	5.63	27.10	-143.90	-59.34	-57.46	-85.50	40.07	-24.74	15.96	-0.63-31.33
	494	6.37	19.74	-167.36	-89.54	-58.07	92.22	44.78	-36.45	7.41	0.92-40.49
	143	2.55	7.67	-63.57	-0.36	-55.53	-22.54	49.34	-37.60	3.13	8.61-43.39
	142	4.09	25.75	-94.99	-6.55	-62.69	53.45	54.38	-17.27	9.34	27.76-34.62
443 184	493	5.67	19.99	-138.27	-59.41	-58.87	-79.13	425.01	92.89	102.83	415.07-56.58
	494	7.86	25.21	-174.23	-89.54	-59.48	98.58	463.81	88.90	101.30	451.41-67.05
	143	4.68	3.95	-61.24	-0.34	-56.95	-16.17	467.13	84.37	93.17	458.33-57.37
	142	6.19	31.01	-101.71	-6.60	-64.10	59.81	448.97	86.16	92.42	442.71-47.24
443 208	493	5.64	25.10	-145.94	-63.39	-57.46	-85.47	39.28	-23.92	15.98	-0.62-30.49
	494	6.42	17.92	-170.00	-94.00	-58.08	92.23	44.09	-35.68	7.48	0.93-39.75
	143	2.52	7.29	-63.41	-0.62	-55.49	-22.30	48.68	-36.71	3.14	8.83-42.60
	142	4.10	25.82	-95.29	-6.81	-62.66	53.73	53.63	-16.44	9.34	27.86-33.79
444 15	494	8.81	-6.61	-250.86	-181.20	-76.27	-110.28	66.57	-59.73	5.38	1.45-63.12
	495	9.72	-7.42	-275.58	-206.59	-76.41	117.22	75.87	-69.99	2.89	2.99-72.93
	144	3.93	2.65	-95.32	-29.23	-63.44	-45.91	75.13	-72.77	-4.76	7.12-73.71
	143	5.28	20.65	-125.59	-34.15	-70.79	70.79	71.84	-58.39	-1.88	15.34-64.54
444 81	494	10.39	-8.86	-226.07	-154.03	-80.90	-102.26	1111.39	200.34	223.92	1087.81-144.66
	495	13.05	3.72	-265.72	-180.82	-81.18	125.17	1204.71	215.09	239.46	1180.34-153.38
	144	9.34	3.76	-87.17	-15.05	-68.36	-36.84	1194.52	221.30	233.56	1182.25-108.58
	143	10.66	35.45	-132.21	-20.93	-75.83	79.21	1111.26	206.41	218.08	1099.59-102.09
444 145	494	7.54	-4.51	-172.16	-114.94	-61.72	-79.49	742.80	132.65	150.13	

725.32-101.79										
	495	9.46	3.47	-201.19	-135.76	-61.96	95.45	805.28	141.97	160.15
787.11-108.29										
	144	6.47	5.36	-66.75	-9.27	-52.12	-29.00	797.78	146.26	155.82
788.22-78.35										
	143	7.59	28.17	-99.96	-13.90	-57.89	60.17	743.15	136.66	145.77
734.04-73.79										
444 159	494	6.29	3.51	-174.54	-112.49	-58.54	-84.84	47.06	-40.67	5.43
0.96-43.81										
	495	6.96	1.37	-193.68	-133.51	-58.79	90.08	52.52	-47.46	3.15
1.91-49.98										
	144	2.97	12.49	-67.98	-6.51	-48.98	-34.18	50.69	-49.19	-1.11
2.60-49.90										
	143	4.08	26.08	-92.03	-11.18	-54.77	54.89	51.19	-40.91	1.02
9.27-45.86										
444 164	494	5.98	11.31	-161.66	-91.91	-58.44	-84.85	43.91	-36.65	6.42
0.83-40.18										
	495	6.61	7.72	-180.61	-114.09	-58.81	90.02	48.05	-42.59	3.85
1.61-45.31										
	144	3.00	21.43	-64.85	5.71	-49.12	-33.31	45.33	-44.08	0.85
0.41-44.70										
	143	4.14	34.45	-89.09	0.37	-55.01	55.22	48.14	-37.91	2.90
7.33-42.97										
444 184	494	6.16	2.70	-157.54	-94.18	-60.66	-78.34	463.53	83.40	96.40
450.53-69.08										
	495	8.14	11.72	-189.10	-116.36	-61.03	96.52	507.42	88.75	102.38
493.79-74.28										
	144	4.86	16.47	-61.94	5.88	-51.34	-26.81	501.20	90.87	99.46
492.61-58.74										
	143	6.30	39.74	-96.52	0.46	-57.23	61.72	465.76	84.31	93.01
457.06-56.94										
444 207	494	6.01	9.85	-163.66	-95.39	-58.43	-84.76	43.52	-36.14	6.54
0.84-39.73										
	495	6.68	6.19	-183.72	-118.72	-58.81	90.11	48.06	-42.28	4.11
1.67-45.16										
	144	2.95	20.39	-64.40	5.13	-49.14	-32.58	45.39	-43.59	0.83
0.97-44.49										
	143	4.16	34.59	-89.89	-0.24	-55.05	55.89	47.86	-37.24	2.89
7.73-42.48										
445 15	495	9.58	-13.65	-275.42	-210.97	-78.10	-112.78	75.49	-69.91	2.19
3.39-72.70										
	496	9.59	-8.86	-264.22	-197.27	-75.82	112.32	108.63	-77.91	26.04
4.68-92.65										
	145	5.43	35.06	-117.44	-22.67	-59.72	-73.97	108.43	-59.04	8.33
41.06-82.12										
	144	4.35	14.83	-100.57	-24.00	-61.74	54.53	68.51	-70.72	-5.83
3.62-69.46										
445 81	495	11.85	-19.95	-257.97	-195.28	-82.64	-104.84	1173.20	115.80	130.16
1158.84-122.38										
	496	11.96	-1.31	-262.98	-183.74	-80.55	120.23	1182.41	151.02	153.20
1180.23-47.35										
	145	10.03	32.54	-106.67	-9.27	-64.87	-63.81	1229.08	210.87	214.52
1225.44-60.81										
	144	10.50	30.00	-108.60	-11.60	-67.01	63.52	1183.07	188.51	198.99
1172.59-101.56										
445 145	495	8.56	-12.99	-195.65	-145.59	-63.06	-81.48	783.79	76.26	87.26
772.80-87.51										
	496	8.69	-0.14	-198.42	-137.07	-61.48	91.65	789.29	101.79	103.98
787.11-38.71										
	145	7.01	26.97	-81.63	-5.18	-49.48	-49.57	822.57	140.63	143.86
819.34-46.80										
	144	7.39	23.99	-82.06	-6.92	-51.14	48.20	789.81	124.48	132.72
781.57-73.58										
445 159	495	6.82	-3.08	-192.58	-135.78	-59.87	-86.81	51.89	-46.96	2.79
2.14-49.42										
	496	6.84	-3.84e-03	-186.05	-127.73	-58.33	86.31	71.24	-51.96	16.51
2.77-61.21										
	145	4.01	33.78	-83.50	-3.31	-46.40	-54.54	69.76	-39.57	6.37
23.82-53.96										

	144	3.41	21.91	-74.54	-4.55	-48.08	43.04	47.55	-48.68	-1.68	
0.56-48.10											
445 164	495	6.45	3.62	-178.85	-115.52	-59.72	-86.86	47.17	-41.75	3.63	
1.79-44.45											
	496	6.47	6.09	-173.79	-109.37	-58.34	86.25	61.82	-45.86	13.82	
2.14-53.52											
	145	3.93	39.67	-78.94	7.49	-46.75	-52.74	59.38	-35.17	6.34	
17.87-46.93											
	144	3.49	30.46	-72.90	6.09	-48.53	43.87	43.70	-44.38	0.46	-
1.15-44.03											
445 184	495	6.94	-6.42	-178.02	-122.46	-61.98	-80.29	493.64	47.07	56.01	
484.70-62.54											
	496	7.59	8.48	-185.32	-116.24	-60.60	92.82	500.54	65.20	68.39	
497.34-37.17											
	145	5.40	33.76	-74.77	8.01	-49.02	-46.17	523.43	89.15	93.06	
519.52-41.02											
	144	5.96	35.71	-80.22	6.30	-50.80	50.44	495.98	76.98	84.77	
488.19-56.60											
445 207	495	6.51	1.97	-181.78	-120.10	-59.71	-86.77	47.14	-41.42	3.85	
1.86-44.27											
	496	6.57	4.14	-177.68	-115.21	-58.33	86.35	62.97	-45.97	14.73	
2.27-54.11											
	145	3.88	38.45	-78.43	6.83	-46.81	-51.92	60.62	-34.52	6.60	
19.50-47.13											
	144	3.52	30.54	-73.70	5.41	-48.57	44.59	43.62	-43.92	0.42	-
0.71-43.77											
446 15	496	9.60	-14.21	-273.17	-201.70	-85.68	-115.75	121.50	-71.49	38.48	
11.53-95.55											
	497	8.61	11.84	-206.43	-130.87	-63.72	103.84	158.60	-124.66	49.45	-
15.51-137.85											
	146	7.46	67.65	-149.90	-20.82	-61.43	-106.86	251.58	-5.69	54.21	
191.68-108.73											
	145	2.91	-3.49	-65.27	-15.37	-53.38	24.35	97.50	-60.15	6.56	
30.79-77.89											
446 81	496	11.97	-15.36	-259.29	-194.07	-80.58	-107.96	1127.69	-164.77	-159.16	
1122.0884.96											
	497	11.42	23.63	-209.89	-127.23	-59.04	111.67	732.95	-268.94	-232.13	
696.14188.48											
	146	9.77	64.75	-131.24	-9.18	-57.31	-94.99	949.26	132.48	135.22	
946.5147.28											
	145	9.52	15.01	-67.85	-3.26	-49.58	34.35	1213.30	174.75	178.15	
1209.90-59.38											
446 123	496	6.62	-32.54	-195.69	-159.59	-68.63	-67.72	236.88	24.11	67.93	
193.06-86.04											
	497	8.29	24.55	-185.78	-109.09	-52.13	101.23	239.66	-38.78	83.44	
117.44-138.17											
	146	4.40	34.20	-89.23	-4.14	-50.89	-57.12	299.84	12.40	48.49	
263.76-95.24											
	145	4.14	25.79	-70.02	0.76	-44.99	42.10	230.36	20.70	32.64	
218.42-48.58											
446 160	496	6.42	-2.28	-179.18	-115.60	-65.87	-84.89	95.32	-23.61	29.08	
42.63-59.08											
	497	6.22	25.24	-144.07	-69.04	-49.79	84.10	106.23	-59.49	30.41	
16.33-82.56											
	146	4.88	52.44	-97.64	3.91	-49.10	-70.20	153.60	-3.94	27.01	
122.65-62.59											
	145	2.85	20.69	-54.99	9.22	-43.52	27.14	82.54	-17.07	12.03	
53.44-45.30											
446 164	496	6.55	4.14	-179.81	-110.42	-65.26	-89.16	68.30	-42.28	20.55	
5.47-54.77											
	497	5.81	23.66	-136.66	-63.82	-49.18	79.83	79.50	-69.24	19.55	-
9.29-72.96											
	146	5.10	56.32	-101.42	3.40	-48.50	-74.48	126.77	-8.53	23.95	
94.29-57.79											
	145	2.49	17.34	-51.59	8.67	-42.92	22.86	56.47	-36.29	6.66	
13.52-46.25											
446 183	496	7.82	2.67	-179.04	-108.85	-67.52	-88.47	133.09	-427.36	103.53	-
397.81-125.26											
	497	7.60	23.81	-137.59	-62.33	-51.44	80.52	219.88	-349.60	135.52	-

265.24-202.30											
	146	6.36	54.82	-102.34	3.24	-50.76	-73.79	49.72	-246.03	-8.73	-
187.57-117.78											
	145	4.31	17.44	-54.04	8.58	-45.18	23.55	-48.79	-422.35	-55.52	-
415.61-49.71											
446 207	496	6.63	1.98	-183.36	-116.13	-65.25	-89.11	69.71	-42.18	21.75	
5.78-55.37											
	497	5.92	20.68	-141.25	-71.34	-49.22	80.21	82.32	-71.04	21.03	-
9.75-75.12											
	146	5.05	54.99	-100.95	2.98	-48.94	-73.52	132.77	-7.11	25.24	
100.42-58.98											
	145	2.52	17.15	-52.32	7.82	-42.99	23.68	57.45	-35.65	6.98	
14.82-46.39											
447 15	497	8.69	-76.87	-247.82	-161.04	-163.66	-85.47	306.68	-121.42	185.18	
0.08-193.01											
	498	5.24	101.80	71.84	75.38	98.26	-9.67	-185.15	-483.45	-482.01	-
186.59-20.73											
	147	7.29	20.23	-164.64	-113.78	-30.63	-82.56	451.84	58.17	76.44	
433.57-82.81											
	146	4.57	63.81	-47.64	30.76	-14.59	-50.91	299.63	-2.29	63.66	
233.69-124.74											
447 73	497	12.70	-72.38	-231.29	-133.36	-170.30	-77.28	1020.04	421.92	590.11	
851.85268.91											
	498	4.63	109.13	84.49	96.24	97.38	-12.31	351.08	-185.44	18.30	
147.34260.38											
	147	5.49	-8.49	-130.04	-105.27	-33.26	-48.97	463.67	35.07	35.63	
463.11-15.49											
	146	7.86	72.86	-35.24	60.59	-22.97	-34.29	966.62	237.86	242.98	
961.5060.85											
447 141	497	9.08	-53.36	-177.11	-100.33	-130.13	-60.05	670.76	300.10	403.89	
566.98166.43											
	498	3.52	85.96	65.35	76.06	75.25	-10.30	211.98	-148.54	-22.70	
86.14171.85											
	147	4.23	-5.41	-100.94	-81.38	-24.97	-38.54	335.84	20.97	21.69	
335.12-15.08											
	146	5.52	55.97	-27.28	45.77	-17.07	-27.30	659.19	166.12	168.16	
657.1431.67											
447 159	497	6.30	-47.89	-179.43	-102.23	-125.10	-64.77	182.24	-79.88	106.27	-
3.91-118.92											
	498	4.13	88.31	64.06	75.70	76.68	-12.11	-112.52	-310.05	-309.00	-
113.56-14.31											
	147	4.90	7.61	-115.23	-85.55	-22.07	-52.58	265.81	7.55	16.72	
256.64-47.80											
	146	3.23	52.81	-32.05	33.10	-12.34	-35.84	190.55	3.42	47.48	
146.50-79.40											
447 164	497	6.03	-38.19	-171.98	-85.68	-124.49	-64.02	141.22	-69.56	78.61	-
6.95-96.32											
	498	4.24	100.12	66.63	89.24	77.51	-15.69	-89.66	-262.76	-261.77	-
90.65-13.06											
	147	4.41	1.84	-106.81	-84.04	-20.93	-44.22	203.65	-21.25	-15.45	
197.86-35.64											
	146	3.08	56.28	-29.16	40.31	-13.19	-33.30	160.18	7.22	46.34	
121.06-66.73											
447 181	497	8.94	-19.72	-172.41	-69.90	-122.24	-71.72	41.06	-510.69	-98.03	-
371.61-239.58											
	498	5.40	119.02	65.83	105.09	79.76	-23.39	-138.53	-461.20	-395.29	-
204.43-130.08											
	147	4.81	9.38	-114.75	-86.68	-18.68	-51.92	124.21	-56.10	-41.53	
109.64-49.15											
	146	4.53	61.01	-34.31	37.64	-10.94	-41.00	29.15	-276.93	-29.93	-
217.85-120.80											
447 206	497	5.99	-33.88	-169.40	-78.86	-124.43	-63.82	134.44	-67.98	73.61	-
7.14-92.81											
	498	4.58	115.46	67.16	103.35	79.27	-20.94	-83.52	-248.56	-247.35	-
84.72-14.07											
	147	4.40	-2.93	-110.15	-91.08	-21.99	-41.00	189.60	-22.71	-16.96	
183.85-34.48											
	146	3.20	60.00	-28.54	42.30	-10.84	-35.41	153.31	5.09	44.27	
114.12-65.37											

448	15	129	2.98	67.44	60.71	66.19	61.96	2.62	-26.76	-177.44	-73.64	-130.56-69.75
		152	9.06	167.78	-90.94	82.15	-5.31	121.74	-27.54	-280.63	-131.28	-176.88-124.48
		500	5.72	47.38	-87.19	43.93	-83.74	21.27	184.71	-203.46	-95.78	77.04-173.79
		480	3.09	-6.30	-36.78	-30.83	-12.26	12.08	217.05	-221.16	-102.74	98.64-194.59
448	35	129	2.70	76.73	53.85	70.68	59.90	10.09	164.96	-32.94	-19.46	151.48-49.86
		152	9.42	177.75	-97.56	87.56	-7.37	129.21	196.39	-91.18	-63.99	169.19-84.14
		500	7.17	52.66	-91.77	46.69	-85.80	28.74	460.09	-1.35	25.22	433.52-107.50
		480	3.95	-0.27	-41.53	-27.49	-14.32	19.55	442.09	-45.98	5.14	390.96-149.46
448	122	129	1.89	53.56	41.95	51.01	44.50	4.80	101.65	-31.71	-21.98	91.91-34.69
		152	6.35	122.79	-62.50	60.89	-0.60	87.39	142.73	-54.09	-35.95	124.59-56.93
		500	4.63	32.98	-56.61	28.99	-52.62	18.49	314.18	-0.14	17.57	296.48-72.47
		480	2.80	-1.09	-30.46	-21.72	-9.84	13.43	321.87	-24.71	11.04	286.13-105.40
448	159	129	1.80	46.65	31.99	38.60	40.04	-7.30	-41.52	-103.39	-62.82	-82.09-29.39
		152	3.39	74.45	-19.81	38.07	16.57	45.89	33.11	-57.20	-15.25	-8.84-45.04
		500	1.32	6.71	-9.60	5.54	-8.43	4.21	89.28	-60.60	-28.72	57.40-61.33
		480	1.69	-3.78	-26.25	-24.70	-5.33	5.71	184.12	-44.84	-1.92	141.20-89.36
448	164	129	1.67	46.33	17.07	29.18	34.22	-14.42	-56.96	-78.65	-67.55	-68.06-10.84
		152	1.52	37.16	14.07	18.86	32.37	9.37	89.45	49.31	50.31	88.44-6.26
		500	1.86	34.89	-16.57	-16.06	34.38	-5.08	56.69	4.94	5.65	55.98-6.01
		480	1.53	-1.83	-25.82	-25.45	-2.20	2.96	203.88	44.32	57.05	191.15-43.22
448	171	129	1.74	39.73	26.90	33.30	33.33	-6.42	129.10	-38.70	-38.52	128.93 5.41
		152	3.06	45.39	9.80	23.70	31.48	17.37	326.94	85.49	87.42	325.0121.53
		500	3.18	33.66	-15.92	-15.74	33.49	2.92	304.68	66.92	73.15	298.4637.98
		480	2.60	1.47	-29.44	-24.88	-3.09	10.96	394.42	116.00	116.46	393.96-11.35
448	198	129	1.57	44.48	15.04	31.37	28.14	-14.63	-13.04	-50.28	-46.98	-16.3410.59
		152	3.32	38.12	13.94	19.49	32.56	10.17	386.99	116.59	120.86	382.7333.69
		500	3.81	35.90	-16.40	-15.67	35.16	-6.15	313.41	-82.40	-71.72	302.7364.13
		480	4.13	-2.13	-27.21	-24.72	-4.62	7.49	680.12	346.17	348.28	678.0226.44
449	15	147	3.75	63.70	-36.35	5.15	22.20	-49.29	103.82	-187.96	103.44	-187.5810.54
		170	4.01	52.93	-19.06	-6.48	40.35	-27.34	-123.58	-353.57	-144.26	-332.8965.80
		501	4.28	62.50	-56.98	-31.37	36.90	-49.03	-34.83	-189.82	-38.49	-186.1523.55
		498	3.73	16.66	-60.63	-47.86	3.89	-28.70	130.13	-162.65	129.15	-161.6716.92
449	79	147	4.80	81.13	-60.10	1.94	19.09	-70.09	71.43	-162.71	67.36	-158.6430.60
		170	4.67	67.19	-40.13	-10.18	37.24	-48.13	-141.19	-335.03	-178.49	-297.7376.41
		501	5.00	80.53	-70.51	-23.76	33.78	-69.83	-78.28	-174.42	-97.02	-

155.6938.08											
	498	4.10	34.00	-72.97	-39.74	0.78	-49.50	76.60	-144.70	68.83	-
136.9340.74											
449 144	147	3.36	60.37	-39.32	5.16	15.89	-49.55	56.26	-111.18	54.18	-
109.1018.56											
	170	3.34	48.82	-23.94	-4.55	29.43	-32.17	-111.40	-255.42	-133.59	-
233.2352.00											
	501	3.59	58.56	-48.46	-16.96	27.06	-48.77	-55.98	-140.32	-61.66	-
134.6421.14											
	498	2.88	22.27	-50.47	-29.06	0.86	-33.15	32.52	-146.62	29.25	-
143.3523.97											
449 157	147	1.86	47.74	4.99	28.99	23.74	-21.21	71.52	-26.99	69.54	-
25.01-13.83											
	170	2.51	34.57	16.78	16.80	34.55	-0.59	-109.11	-260.96	-109.52	-
260.54 7.94											
	501	2.98	39.80	-14.19	-8.43	34.04	-16.67	26.57	-235.26	22.64	-
231.33-31.86											
	498	2.61	2.58	-19.28	-19.23	2.52	-1.12	-122.66	-392.62	-124.79	-
390.49-23.90											
449 164	147	1.86	47.74	4.99	28.99	23.74	-21.21	71.52	-26.99	69.54	-
25.01-13.83											
	170	2.51	34.57	16.78	16.80	34.55	-0.59	-109.11	-260.96	-109.52	-
260.54 7.94											
	501	2.98	39.80	-14.19	-8.43	34.04	-16.67	26.57	-235.26	22.64	-
231.33-31.86											
	498	2.61	2.58	-19.28	-19.23	2.52	-1.12	-122.66	-392.62	-124.79	-
390.49-23.90											
449 165	147	1.76	36.81	13.69	28.97	21.53	-10.95	54.63	-162.17	52.41	-
159.94-21.85											
	170	3.48	37.02	12.36	17.04	32.34	9.67	-132.48	-424.81	-132.59	-
424.70-5.72											
	501	3.92	32.71	-15.19	-14.32	31.83	-6.41	-9.75	-407.38	-18.25	-
398.88-57.50											
	498	3.58	3.21	-28.51	-25.61	0.31	9.14	-154.87	-533.76	-159.76	-
528.87-42.76											
449 206	147	1.80	45.40	5.82	28.70	22.51	-19.55	69.31	-24.45	66.19	-
21.33-16.83											
	170	2.74	33.78	15.93	16.05	33.66	1.48	-117.89	-304.04	-117.89	-
304.04 0.59											
	501	3.35	38.15	-14.73	-10.19	33.60	-14.83	42.88	-287.99	36.82	-
281.93-44.36											
	498	3.12	1.51	-20.78	-20.64	1.37	1.78	-180.59	-493.52	-184.47	-
489.64-34.62											
450 15	149	3.01	35.36	-17.46	-2.10	19.99	23.99	-44.43	-367.62	-54.31	-
357.7455.65											
	172	3.38	50.87	-22.75	8.44	19.68	36.38	-53.09	-370.52	-54.88	-
368.7323.77											
	502	2.54	22.67	-45.45	-26.22	3.44	30.66	-15.04	-166.82	-32.84	-
149.0248.84											
	499	2.22	13.70	-36.69	-26.23	3.25	20.43	-1.67	-177.91	-35.53	-
144.0669.43											
450 59	149	2.04	32.10	-16.85	0.03	15.23	23.26	41.98	-76.76	-5.99	-
28.8058.27											
	172	2.43	47.28	-25.57	7.11	14.60	36.23	27.55	-23.62	1.45	
2.4825.58											
	502	3.28	18.99	-49.31	-28.83	-1.49	31.30	260.82	8.72	24.99	
244.5461.94											
	499	2.89	10.69	-40.82	-28.72	-1.41	21.83	233.02	-15.22	14.39	
203.4080.47											
450 112	149	2.28	25.00	-9.62	0.37	15.01	15.69	-39.22	-289.03	-45.98	-
282.2840.52											
	172	2.56	36.76	-14.47	7.60	14.69	25.36	-45.93	-294.04	-46.99	-
292.98 16.18											
	502	1.78	15.31	-32.04	-18.96	2.24	21.17	-17.80	-128.95	-28.70	-
118.0533.06											
	499	1.54	8.74	-25.54	-18.96	2.16	13.50	-8.17	-134.94	-30.16	-
112.9647.99											
450 159	149	2.25	17.87	2.75	6.80	13.82	6.70	-55.25	-309.69	-59.62	-
305.3233.07											

	172	2.46	29.11	-4.67	11.21	13.23	16.86	-62.18	-323.66	-62.51	-
323.339.33											
	502	1.27	8.45	-22.58	-15.03	0.91	13.31	-36.23	-132.78	-39.88	-
129.1418.39											
	499	1.04	3.21	-17.16	-15.00	1.05	6.28	-29.16	-130.12	-39.34	-
119.9430.40											
450	164	149	2.33	15.25	10.61	13.24	12.62	-2.30	-70.72	-330.90	-73.27	-
328.3625.63											
	172	2.45	21.78	4.80	14.81	11.77	8.35	-78.01	-353.70	-78.03	-
353.682.48											
	502	0.97	1.87	-13.40	-11.11	-0.42	5.46	-50.90	-140.40	-51.05	-
140.243.73											
	499	0.89	0.03	-11.12	-11.04	-0.06	-0.94	-46.49	-128.96	-48.53	-
126.9212.80											
450	165	149	3.40	18.59	12.68	16.86	14.42	-2.69	-102.66	-502.48	-103.99	-
501.1523.02											
	172	3.60	24.32	7.68	18.43	13.56	7.96	-111.40	-539.61	-111.40	-
539.610.52											
	502	2.11	3.74	-9.45	-7.08	1.37	5.06	-82.25	-325.80	-82.30	-
325.74-3.57											
	499	1.93	1.94	-7.21	-7.01	1.74	-1.34	-77.03	-299.39	-77.13	-
299.29 4.73											
450	206	149	3.51	17.29	10.63	14.28	13.64	-3.31	-108.97	-520.64	-110.66	-
518.9526.31											
	172	3.68	21.92	6.72	15.76	12.88	7.46	-117.72	-554.65	-117.72	-
554.650.99											
	502	1.04	2.25	-11.14	-9.38	0.49	4.52	-51.15	-150.44	-51.19	-
150.41-1.85											
	499	0.93	1.26	-9.93	-9.53	0.87	-2.07	-46.59	-132.26	-46.90	-
131.945.18											
451	15	152	6.22	118.50	-22.70	59.68	36.12	69.61	-120.74	-357.40	-206.94	-
271.19-113.89											
	175	34.40	451.82	-651.94	156.98	-357.10	488.36	147.74	-317.82	-90.68	-
79.40-232.71											
	503	28.45	381.30	-535.73	375.94	-530.37	-69.87	308.50	-41.76	-29.96	
296.70-63.20											
	500	7.82	57.61	-122.48	5.43	-70.30	81.70	221.02	-220.95	-99.01	
99.08-197.55											
451	35	152	5.94	124.88	-29.02	61.07	34.79	75.82	96.70	-173.82	-150.20	
73.09-76.36											
	175	35.67	457.63	-658.15	157.90	-358.42	494.57	415.70	-143.99	-27.45	
299.15-227.26											
	503	30.84	381.44	-536.14	377.00	-531.70	-63.67	660.94	-54.24	-51.64	
658.34-43.10											
	500	8.93	63.64	-128.75	6.52	-71.63	87.90	462.37	-163.68	-127.71	
426.40-145.70											
451	122	152	4.02	87.56	-15.83	43.72	28.01	51.09	73.52	-113.92	-98.64	
58.23-51.30											
	175	23.89	308.58	-439.25	107.03	-237.71	331.81	282.35	-91.49	-15.90	
206.76-150.15											
	503	20.51	252.15	-356.94	249.47	-354.26	-40.31	445.59	-34.54	-32.58	
443.63-30.63											
	500	5.99	42.73	-86.17	2.10	-45.53	59.89	318.71	-105.99	-81.07	
293.79-99.81											
451	159	152	2.42	58.13	7.06	32.68	32.51	25.53	-16.17	-96.43	-62.61	-
49.99-39.63											
	175	11.95	165.46	-219.37	59.84	-113.75	171.73	65.17	-80.55	-20.03	
4.65-71.81											
	503	9.28	118.11	-176.61	117.43	-175.92	-14.21	125.68	-8.78	-2.14	
119.03-29.14											
	500	2.92	21.98	-43.74	-7.76	-14.00	32.71	118.09	-60.31	-15.72	
73.49-77.25											
451	164	152	1.47	37.27	21.41	22.56	36.12	4.11	71.45	11.10	11.25	
71.31-2.95											
	175	1.20	27.18	-4.61	13.25	9.32	15.77	57.53	15.38	17.99	
54.91 10.16											
	503	1.20	11.60	-23.99	-13.92	1.54	16.03	42.59	6.79	13.85	
35.53-14.24											
	500	1.29	19.24	-19.48	-16.89	16.65	9.67	79.65	22.27	30.51	

71.41-20.11											
451 171	152	3.00	42.53	17.21	23.99	35.76	11.21	311.12	51.93	54.00	
309.0623.06											
	175	2.55	34.64	-11.43	14.26	8.95	22.88	311.05	63.18	64.01	
310.2114.36											
	503	2.52	18.02	-30.58	-13.73	1.17	23.13	279.09	1.24	1.28	
279.05-3.42											
	500	3.00	23.34	-23.60	-16.54	16.29	16.78	298.04	13.47	14.16	
297.3514.02											
451 198	152	3.29	37.00	22.60	23.89	35.71	4.11	372.45	49.86	51.75	
370.5524.65											
	175	3.05	28.11	-4.37	14.38	9.36	16.04	440.60	90.08	90.41	
440.2610.80											
	503	2.22	11.90	-24.16	-13.82	1.56	16.30	252.86	2.04	2.05	
252.85 1.53											
	500	3.03	19.00	-19.48	-16.59	16.11	10.13	332.32	38.54	42.25	
328.6032.82											
452 15	170	4.03	59.09	-20.48	-3.01	41.62	-32.93	-19.57	-290.75	-26.30	-
284.0242.18											
	193	2.90	20.74	-14.69	-5.90	11.96	-15.30	-41.64	-330.69	-55.03	-
317.3060.76											
	504	2.82	10.89	-39.76	-27.62	-1.25	-21.62	-5.96	-257.99	-17.86	-
246.0953.45											
	501	3.48	31.38	-45.17	-32.63	18.84	-28.33	0.09	-218.22	-16.83	-
201.3158.36											
452 79	170	4.73	74.84	-40.38	-4.09	38.54	-53.52	11.00	-249.25	-0.79	-
237.4554.14											
	193	3.59	37.85	-35.58	-6.60	8.87	-35.89	-15.53	-300.26	-32.06	-
283.7366.58											
	504	3.59	28.91	-57.92	-24.69	-4.33	-42.20	4.79	-230.99	-10.57	-
215.6458.17											
	501	4.22	46.81	-61.29	-30.24	15.76	-48.91	18.36	-183.06	-6.88	-
157.8266.69											
452 144	170	3.39	54.90	-24.14	0.16	30.59	-36.47	2.14	-196.75	-4.77	-
189.8436.43											
	193	2.57	26.09	-20.95	-2.49	7.63	-22.97	-18.52	-242.08	-29.77	-
230.8448.86											
	504	2.50	18.38	-38.31	-17.41	-2.52	-27.35	0.39	-186.54	-8.87	-
177.2840.56											
	501	2.98	32.66	-41.22	-21.51	12.95	-32.68	5.46	-151.63	-7.82	-
138.3543.70											
452 157	170	2.50	38.78	19.60	21.67	36.72	-5.95	-31.78	-236.54	-31.81	-
236.512.56											
	193	2.21	20.82	6.39	14.34	12.86	7.18	-58.51	-317.07	-62.93	-
312.6533.53											
	504	1.85	5.51	-9.88	-7.10	2.73	5.92	-12.96	-252.15	-13.71	-
251.4013.35											
	501	2.36	18.30	-10.11	-10.10	18.30	-0.52	-24.05	-248.64	-24.20	-
248.50-5.67											
452 164	170	2.50	38.78	19.60	21.67	36.72	-5.95	-31.78	-236.54	-31.81	-
236.512.56											
	193	2.21	20.82	6.39	14.34	12.86	7.18	-58.51	-317.07	-62.93	-
312.6533.53											
	504	1.85	5.51	-9.88	-7.10	2.73	5.92	-12.96	-252.15	-13.71	-
251.4013.35											
	501	2.36	18.30	-10.11	-10.10	18.30	-0.52	-24.05	-248.64	-24.20	-
248.50-5.67											
452 165	170	3.44	35.36	19.35	20.06	34.65	3.29	-63.74	-402.91	-64.08	-
402.57-10.75											
	193	3.31	28.03	-4.84	12.39	10.80	16.42	-95.89	-497.65	-98.32	-
495.2231.14											
	504	3.12	10.88	-21.81	-11.59	0.66	15.16	-17.58	-427.52	-17.64	-
427.455.22											
	501	3.53	18.55	-16.53	-14.20	16.23	8.72	-20.01	-409.78	-21.75	-
408.04-25.99											
452 206	170	2.73	36.89	20.00	21.07	35.82	-4.10	-36.89	-281.86	-36.91	-
281.84-2.23											
	193	2.57	21.56	3.64	13.51	11.68	8.91	-71.43	-381.57	-75.11	-
377.8933.58											

	504	2.17	5.86	-12.95	-8.95	1.87	7.69	-12.54	-295.77	-12.87	-
295.44 9.64											
	501	2.72	17.61	-11.95	-11.87	17.53	1.59	-26.69	-301.91	-27.58	-
301.02-15.61											
453 15	172	3.40	49.52	-23.90	5.31	20.30	35.94	-49.07	-371.21	-51.48	-
368.8027.77											
	195	3.58	50.04	-48.55	1.16	0.34	49.29	-55.96	-339.45	-56.04	-
339.37-4.69											
	505	3.48	30.00	-70.35	-25.52	-14.83	49.89	-12.83	-132.03	-23.64	-
121.2234.23											
	502	3.13	33.40	-54.28	-24.71	3.83	41.45	-16.50	-169.20	-35.34	-
150.3650.22											
453 57	172	2.78	52.15	-31.32	2.35	18.49	40.95	2.03	-134.25	-7.76	-
124.4735.19											
	195	3.21	52.74	-55.86	-1.64	-1.47	54.30	-7.53	-72.14	-7.68	-
71.993.07											
	505	3.93	31.78	-78.89	-30.47	-16.65	54.90	165.24	6.66	25.57	
146.3351.40											
	502	3.73	35.21	-63.01	-29.81	2.01	46.46	131.02	-27.65	9.23	
94.1467.02											
453 133	172	1.95	37.62	-20.04	3.54	14.03	28.35	-10.99	-135.12	-15.74	-
130.3623.82											
	195	2.32	38.15	-39.49	0.16	-1.50	38.81	-15.07	-92.74	-15.08	-
92.73-0.72											
	505	2.75	21.91	-56.88	-21.87	-13.10	39.15	95.36	-2.36	11.47	
81.5334.06											
	502	2.59	24.68	-44.78	-21.40	1.29	32.83	72.00	-28.67	-0.74	
44.0845.07											
453 158	172	2.49	23.34	6.61	17.09	12.86	8.09	-82.47	-357.94	-82.49	-
357.922.59											
	195	2.50	25.44	-17.54	11.84	-3.94	19.99	-74.71	-338.37	-76.32	-
336.76-20.54											
	505	1.58	6.93	-31.78	-9.79	-15.06	19.18	-43.28	-119.90	-43.28	-
119.90-0.36											
	502	1.20	9.64	-19.93	-9.83	-0.45	14.02	-53.48	-140.41	-53.59	-
140.303.10											
453 164	172	2.49	21.76	5.90	14.84	12.82	7.86	-79.25	-355.43	-79.28	-
355.402.74											
	195	2.45	23.42	-17.87	9.44	-3.89	19.54	-73.07	-337.18	-74.71	-
335.55-20.73											
	505	1.57	5.87	-32.55	-11.65	-15.02	19.14	-41.82	-120.23	-41.84	-
120.20-1.50											
	502	1.21	9.07	-20.86	-11.43	-0.36	13.90	-51.61	-140.23	-51.70	-
140.132.95											
453 165	172	3.64	23.48	8.14	17.27	14.35	7.53	-112.00	-541.21	-112.00	-
541.21-0.16											
	195	3.54	25.14	-15.78	11.73	-2.37	19.21	-107.25	-528.51	-108.60	-
527.16-23.82											
	505	2.46	8.41	-29.63	-7.72	-13.50	18.80	-75.94	-312.14	-76.18	-
311.91-7.46											
	502	2.23	11.12	-17.32	-7.36	1.16	13.56	-84.83	-326.06	-84.87	-
326.02-2.86											
453 206	172	3.71	21.89	7.90	15.83	13.95	6.93	-118.60	-556.14	-118.63	-
556.113.44											
	195	3.61	23.68	-16.22	10.24	-2.78	18.86	-114.43	-543.56	-115.61	-
542.39-22.40											
	505	1.55	6.62	-30.67	-9.85	-14.20	18.52	-42.81	-134.11	-43.13	-
133.78-5.44											
	502	1.27	9.37	-18.55	-9.73	0.55	12.98	-51.91	-150.41	-51.95	-
150.37-1.97											
454 15	175	8.58	-36.30	-196.11	-193.36	-39.05	20.78	-17.13	-582.52	-436.17	-
163.48-247.65											
	198	191.29	2616.03	-3851.48	1246.39	-2481.84	2642.40	1393.67	946.90	993.90	
1346.67-137.07											
	506	176.34	3086.41	-3015.83	2166.13	-2095.55	-2183.77	335.65	267.76	333.42	
269.99 12.10											
	503	33.45	494.22	-628.39	177.96	-312.13	504.99	393.46	143.50	144.32	
392.63-14.37											
454 35	175	9.12	-38.24	-200.35	-195.65	-42.94	27.19	301.03	-465.16	-378.14	
214.02-243.11											

198 193.11 2618.23 -3860.38 1243.57 -2485.73 2648.81 1723.56 997.92 1043.23
1678.25-175.58
506 176.81 3081.96 -3014.43 2166.97 -2099.44 -2177.37 590.17 284.27 291.09
583.36-45.14
503 35.32 499.79 -636.59 179.23 -316.02 511.40 754.14 108.92 111.07
751.99-37.15
454 122 175 6.05 -22.89 -132.48 -128.64 -26.73 20.15 206.08 -306.68 -250.18
149.58-160.55
198 128.96 1747.28 -2580.15 828.95 -1661.82 1769.37 1143.36 664.37 693.90
1113.83-115.21
506 117.81 2050.99 -2011.16 1443.49 -1403.66 -1448.68 396.41 188.41 193.51
391.30-32.17
503 23.73 334.70 -428.32 117.45 -211.07 344.34 507.55 74.39 76.06
505.88-26.88
454 159 175 2.66 -0.67 -61.13 -56.83 -4.97 15.54 13.31 -175.72 -137.26 -
25.16-76.10
198 64.69 879.64 -1311.70 415.04 -847.11 895.68 440.05 312.15 324.56
427.65-37.85
506 58.54 1013.32 -1011.86 717.14 -715.67 -715.61 110.95 98.06 108.81
100.20-4.80
503 11.95 171.33 -226.33 50.67 -105.68 182.82 152.19 54.71 56.69
150.21-13.75
454 164 175 1.24 29.04 -1.39 13.45 14.20 15.21 54.96 11.16 14.35
51.77 11.38
198 2.16 13.48 -49.21 -0.74 -34.99 26.25 -5.84 -43.54 -11.90 -
37.4913.84
506 1.76 4.81 -43.74 -8.65 -30.28 21.73 26.06 -12.17 -4.12
18.00-15.59
503 1.74 17.24 -35.38 -15.26 -2.88 25.57 43.08 6.20 15.15
34.12-15.81
454 171 175 2.61 34.30 -10.98 11.73 11.58 22.64 305.82 48.14 49.03
304.93 15.13
198 3.13 17.63 -58.15 -2.92 -37.60 33.68 180.52 15.43 16.00
179.96 -9.61
506 3.43 11.34 -52.12 -7.88 -32.89 29.16 233.48 -42.95 -33.40
223.92-50.49
503 2.94 23.49 -43.07 -14.09 -5.49 33.00 279.73 -10.90 -7.06
275.89-33.20
454 203 175 2.51 29.45 -2.39 12.72 14.34 15.90 -58.76 -329.35 -59.02 -
329.09 8.38
198 3.76 13.76 -49.46 -1.42 -34.28 27.01 -40.01 -332.48 -46.00 -
326.4941.42
506 3.02 5.39 -44.19 -8.81 -29.99 22.41 -22.09 -277.55 -22.79 -
276.8513.31
503 2.36 17.89 -35.98 -15.54 -2.55 26.14 32.76 -177.07 30.50 -
174.81-21.69
455 5 193 3.13 30.40 17.82 23.88 24.34 6.29 -78.51 -420.13 -84.05 -
414.5943.14
216 5.50 14.57 -60.37 4.85 -50.65 25.18 -64.04 -527.08 -82.77 -
508.35 91.21
507 4.50 8.23 -49.96 4.68 -46.41 13.92 -85.28 -452.11 -88.97 -
448.4336.57
504 2.62 18.73 -25.22 -7.91 1.41 21.48 -12.05 -348.09 -14.58 -
345.5729.02
455 89 193 3.07 29.12 18.90 25.05 22.96 -5.00 -82.13 -401.41 -89.26 -
394.2847.17
216 5.24 9.38 -55.17 6.23 -52.02 13.90 -69.19 -520.87 -90.26 -
499.8095.26
507 4.33 4.53 -47.92 4.40 -47.78 2.64 -93.10 -443.14 -96.31 -
439.9333.36
504 2.27 6.82 -15.28 -8.50 0.04 10.19 -18.01 -327.21 -20.08 -
325.1425.20
455 107 193 2.39 23.21 13.23 17.82 18.63 4.97 -59.34 -320.73 -63.59 -
316.4733.07
216 4.22 10.86 -46.55 3.31 -39.00 19.40 -50.01 -404.30 -64.23 -
390.0869.52
507 3.44 6.01 -38.52 3.21 -35.72 10.81 -65.62 -345.08 -68.35 -
342.3427.51
504 2.01 14.27 -19.68 -6.41 1.01 16.56 -9.40 -266.27 -11.29 -

264.3821.96											
455 158	193	2.28	23.02	11.91	16.97	17.96	5.53	-55.58	-305.26	-59.80	-
301.0432.19											
	216	4.14	10.42	-47.06	2.65	-39.28	19.66	-49.64	-391.84	-63.31	-
378.1767.01											
	507	3.35	5.76	-38.96	2.72	-35.92	11.25	-64.17	-329.86	-66.57	-
327.4625.11											
	504	1.97	14.12	-20.48	-6.79	0.43	16.92	-9.36	-255.58	-11.09	-
253.8520.59											
455 164	193	2.30	22.28	9.97	14.23	18.01	5.86	-52.46	-304.78	-56.68	-
300.5632.36											
	216	4.13	8.63	-47.27	0.60	-39.24	19.61	-54.89	-396.84	-67.86	-
383.8765.31											
	507	3.31	3.92	-39.15	0.63	-35.86	11.44	-65.68	-327.56	-67.80	-
325.4423.46											
	504	1.98	13.41	-21.48	-8.57	0.50	16.84	-10.24	-256.59	-11.81	-
255.0319.57											
455 165	193	3.32	27.56	-2.54	11.53	13.49	15.02	-82.22	-484.77	-85.19	-
481.8134.41											
	216	5.47	12.09	-58.58	-2.72	-43.76	28.77	-80.38	-564.93	-94.12	-
551.1980.42											
	507	4.67	6.10	-49.51	-3.03	-40.38	20.60	-56.57	-490.08	-60.74	-
485.9242.30											
	504	3.34	18.48	-34.09	-11.59	-4.02	26.01	-5.52	-431.47	-7.26	-
429.7227.24											
455 206	193	2.67	22.90	7.50	13.52	16.89	7.51	-65.83	-369.24	-69.13	-
365.9431.49											
	216	4.51	8.54	-49.90	-0.43	-40.93	21.06	-61.27	-448.32	-74.29	-
435.3069.79											
	507	3.72	2.92	-41.18	-1.18	-37.08	12.81	-69.52	-385.89	-71.99	-
383.4227.85											
	504	2.31	13.92	-24.80	-10.49	-0.39	18.69	-9.77	-300.05	-10.83	-
298.98 17.51											
456 15	195	3.70	50.43	-45.52	-1.87	6.78	47.78	-32.24	-338.34	-32.30	-
338.28-4.35											
	218	4.73	27.11	-115.67	-25.47	-63.09	68.87	-65.43	-235.17	-74.90	-
225.70-38.95											
	508	4.26	27.04	-93.62	-10.56	-56.02	55.89	20.00	-80.87	-1.11	-
59.7641.04											
	505	4.30	42.16	-86.53	-26.16	-18.21	64.22	-25.64	-137.67	-36.87	-
126.4433.64											
456 59	195	2.65	46.54	-43.40	1.56	1.57	44.97	66.53	29.52	29.59	
66.45 1.66											
	218	5.31	24.88	-112.75	-18.53	-69.34	63.95	226.76	24.62	28.96	
222.42-29.30											
	508	4.83	17.30	-96.12	-17.51	-61.31	52.31	398.13	77.63	86.35	
389.4152.14											
	505	4.41	32.73	-88.16	-32.58	-22.86	60.25	317.88	34.93	42.35	
310.4645.21											
456 134	195	1.90	34.28	-30.78	2.30	1.20	32.53	9.55	-1.73	9.20	-
1.37-1.98											
	218	3.81	17.82	-84.22	-12.89	-53.51	46.80	125.11	8.45	14.01	
119.54-24.86											
	508	3.42	12.15	-71.59	-12.24	-47.19	38.05	254.76	50.18	56.59	
248.3535.64											
	505	3.11	23.72	-64.68	-23.45	-17.51	44.10	196.65	17.45	22.63	
191.4730.02											
456 158	195	2.47	27.00	-13.81	12.15	1.03	19.63	-81.54	-346.76	-83.58	-
344.72-23.19											
	218	3.40	13.84	-68.89	-0.40	-54.64	31.24	-26.21	-219.63	-34.27	-
211.57-38.66											
	508	2.55	7.71	-57.81	-2.82	-47.29	24.06	-5.70	-86.07	-6.50	-
85.277.95											
	505	2.06	15.51	-43.63	-11.16	-16.97	29.43	-42.11	-114.92	-42.11	-
114.920.47											
456 164	195	2.45	24.83	-14.25	9.47	1.11	19.09	-76.97	-344.54	-78.99	-
342.52-23.15											
	218	3.36	10.86	-69.55	-4.06	-54.63	31.26	-31.03	-224.19	-39.70	-
215.52-39.99											

508 2.51 6.32 -57.95 -4.27 -47.36 23.84 -6.78 -85.01 -7.35 -84.446.64
505 2.05 14.58 -44.56 -12.95 -17.03 29.50 -42.04 -116.28 -42.05 -116.27-0.87
456 165 195 3.60 28.72 -16.65 10.03 2.05 22.33 -115.85 -536.92 -117.68 -535.10-27.66
218 4.47 14.00 -71.29 -3.59 -53.70 34.51 -72.34 -412.38 -78.09 -406.64-43.83
508 3.61 12.09 -58.97 -0.45 -46.42 27.09 -43.92 -275.22 -43.95 -275.192.59
505 2.94 20.60 -45.32 -8.63 -16.09 32.75 -78.82 -308.62 -78.95 -308.49-5.48
456 206 195 3.57 25.05 -12.46 10.30 2.29 18.32 -117.92 -550.27 -119.11 -549.08-22.65
218 4.53 11.12 -68.62 -3.72 -53.78 31.04 -77.76 -431.00 -82.86 -425.90-42.14
508 2.57 7.86 -56.85 -2.24 -46.75 23.48 -9.29 -99.38 -9.49 -99.174.27
505 2.03 15.33 -42.79 -11.20 -16.26 28.95 -43.49 -130.30 -43.69 -130.09-4.23
457 16 198 234.61 7042.40 368.79 4519.26 2891.94 3236.08 1374.81 -364.28 -87.04 1097.57-636.61
221 228.19 7267.05 1309.64 4737.59 3839.10 -2944.64 2777.35 1547.53 2267.48 2057.40605.87
509 212.08 6455.46 262.76 3076.23 3642.00 3083.40 1911.86 582.59 1833.65 660.80-312.80
506 201.48 6081.35 177.43 3124.17 3134.61 -2951.96 693.73 57.14 260.02 490.86296.63
457 36 198 234.22 7031.73 370.16 4515.37 2886.51 3229.68 1710.59 -259.88 11.89 1438.82-679.46
221 229.18 7268.87 1298.56 4733.76 3833.67 -2951.04 2946.38 1756.53 2355.71 2347.19594.91
509 212.38 6447.54 268.36 3079.33 3636.57 3077.00 2106.33 862.58 2002.29 966.62-344.35
506 200.25 6086.51 169.80 3127.13 3129.18 -2958.36 953.60 333.89 439.29 848.20232.84
457 122 198 156.44 4691.07 235.28 3011.03 1915.33 2159.49 1117.00 -182.01 -2.80 937.80-447.97
221 151.95 4819.05 858.78 3149.28 2528.55 -1955.66 1941.14 1153.38 1570.02 1524.49393.22
509 141.65 4293.07 166.24 2056.95 2402.36 2056.18 1416.04 589.50 1345.35 660.18-231.14
506 132.80 4038.35 114.89 2080.33 2072.91 -1961.73 637.16 222.76 287.21 572.71150.18
457 159 198 78.79 2353.99 99.94 1507.98 945.95 1091.43 411.52 -138.98 -50.48 323.03-202.20
221 74.41 2368.85 422.47 1566.08 1225.24 -958.15 889.11 471.00 754.92 605.19195.19
509 70.84 2141.48 62.02 1033.54 1169.95 1037.49 660.44 223.57 632.21 251.80-107.41
506 65.72 1988.48 62.51 1032.54 1018.46 -962.96 229.33 24.15 75.37 178.1188.80
457 164 198 1.80 11.75 -36.45 2.34 -27.05 19.10 -26.27 -70.17 -32.20 -64.2515.00
221 3.77 -3.85 -97.51 -19.67 -81.68 35.09 -0.51 -121.77 -1.36 -120.91-10.15
509 2.77 14.81 -68.68 12.20 -66.07 14.53 48.60 30.19 31.49 47.31-4.71
506 2.40 7.72 -60.62 -13.28 -39.62 31.53 26.94 -22.16 -16.95 21.74-15.12
457 169 198 3.21 20.39 -40.01 4.07 -23.69 26.82 -75.26 -288.19 -84.89 -278.5544.25
221 4.93 4.28 -100.52 -17.90 -78.33 42.81 -47.75 -305.03 -47.75 -305.03 0.39
509 3.41 17.99 -68.85 11.86 -62.72 22.25 -57.56 -150.01 -61.41 -146.1618.47
506 3.41 15.91 -65.79 -13.61 -36.27 39.25 -107.80 -210.25 -116.12 -201.9327.99
457 198 198 2.67 12.48 -35.71 2.88 -26.12 19.24 230.94 45.78 48.84

227.88-23.62											
	221	3.74	-4.83	-101.80	-19.56	-87.07	34.80	13.70	-113.90	6.27	-
106.48-29.87											
	509	5.94	14.58	-67.05	12.48	-64.95	12.93	666.89	372.50	380.76	
658.63-48.61											
	506	4.41	8.53	-62.46	-13.16	-40.76	32.70	314.96	-113.65	-102.81	
304.12-67.30											
458 15	216	5.48	-33.41	-66.12	-35.28	-64.25	-7.58	-297.18	-647.26	-323.08	-
621.3691.64											
	239	10.22	-3.22	-154.74	-10.91	-147.05	-33.26	10.15	-784.44	9.34	-
783.63-25.30											
	527	5.58	29.46	-119.74	-7.26	-83.02	-64.27	56.35	-178.71	-52.05	-
70.32117.18											
	507	3.01	-4.31	-46.33	-4.66	-45.99	3.80	-92.69	-275.07	-115.39	-
252.3760.21											
458 79	216	5.37	-11.69	-82.20	-30.07	-63.82	-30.95	-248.04	-631.93	-275.79	-
604.1899.42											
	239	10.65	14.05	-166.58	-5.92	-146.61	-56.64	55.49	-772.21	55.46	-
772.18-4.57											
	527	6.97	45.35	-142.63	-14.70	-82.58	-87.64	128.95	-154.28	27.11	-
52.44135.92											
	507	2.81	-2.91	-54.54	-11.89	-45.55	-19.58	-14.31	-249.49	-35.07	-
228.7366.72											
458 144	216	4.10	-11.42	-58.30	-20.87	-48.85	-18.81	-185.72	-484.17	-206.82	-
463.0776.49											
	239	7.94	7.39	-124.87	-4.59	-112.89	-37.95	32.07	-574.11	32.06	-
574.10-2.36											
	527	4.93	31.78	-104.42	-8.26	-64.37	-62.05	54.30	-156.91	-11.62	-
90.9997.86											
	507	2.26	-4.33	-37.64	-7.30	-34.68	-9.49	-12.53	-207.02	-26.26	-
193.2949.81											
458 159	216	4.25	-14.45	-49.02	-15.26	-48.21	5.22	-185.58	-483.02	-205.27	-
463.3473.94											
	239	7.08	-5.05	-114.71	-6.36	-113.40	-11.92	-17.70	-513.34	-17.77	-
513.28-5.50											
	527	3.88	19.70	-82.86	4.11	-67.27	-36.82	-111.09	-294.03	-143.53	-
261.5969.88											
	507	3.06	7.66	-40.17	1.14	-33.65	16.41	-42.22	-266.03	-50.70	-
257.5542.72											
458 164	216	4.41	-2.05	-51.41	-6.18	-47.28	13.67	-152.61	-471.73	-172.19	-
452.1576.58											
	239	6.56	-4.78	-113.64	-4.80	-113.62	-1.48	-36.78	-444.90	-36.85	-
444.83 5.17											
	527	4.77	19.76	-78.11	11.53	-69.88	-27.17	-208.70	-434.25	-222.68	-
420.2754.39											
	507	3.71	18.73	-46.32	4.75	-32.33	26.72	-16.08	-311.55	-21.59	-
306.0439.98											
458 174	216	5.60	-3.14	-57.52	-6.67	-53.99	13.40	-179.49	-633.11	-199.01	-
613.5992.05											
	239	7.74	-5.65	-120.35	-5.68	-120.33	-1.75	-62.53	-603.05	-62.83	-
602.7512.69											
	527	5.86	13.71	-84.92	5.37	-76.58	-27.44	-260.19	-594.81	-272.15	-
582.8562.12											
	507	4.75	12.66	-52.57	-0.88	-39.03	26.46	-63.93	-480.11	-71.88	-
472.1656.98											
458 205	216	4.75	-3.06	-53.48	-7.19	-49.35	13.83	-161.15	-516.80	-182.11	-
495.8483.76											
	239	6.67	-5.39	-116.53	-5.42	-116.50	-1.79	-41.42	-450.91	-41.62	-
450.728.87											
	527	5.37	18.67	-80.65	9.96	-71.94	-28.10	-265.90	-536.53	-279.85	-
522.5859.83											
	507	4.09	17.65	-47.93	3.27	-33.55	27.13	-2.83	-361.19	-9.02	-
355.0046.67											
459 5	218	3.86	9.04	-83.35	-4.38	-69.93	32.56	-8.15	-251.41	-29.39	-
230.18-68.67											
	241	5.82	-15.12	-163.91	-19.41	-159.62	24.90	6.24	-86.37	4.29	-
84.4213.29											
	528	4.49	19.10	-97.17	19.05	-97.12	-2.43	30.51	-116.57	30.48	-
116.532.15											

	508	4.48	23.88	-97.64	-1.05	-72.71	49.07	-1.82	-137.16	-4.30	-134.6818.15
459	59	218	4.92	25.24	-93.11	-12.00	-55.87	54.96	293.06	58.49	61.84 289.71-27.80
		241	7.42	-15.68	-164.40	-35.52	-144.55	50.57	441.05	104.72	108.53 437.2435.57
		528	5.16	10.50	-89.02	6.00	-84.52	20.68	387.89	105.84	112.02 381.7141.28
		508	5.30	30.62	-115.18	-22.69	-61.86	70.22	384.81	75.28	85.65 374.4355.72
459	134	218	3.53	17.11	-70.24	-8.84	-44.29	39.91	175.81	33.14	37.82 171.13-25.41
		241	5.41	-13.04	-125.67	-26.18	-112.53	36.16	287.48	70.09	73.00 284.5824.96
		528	3.70	8.10	-68.64	5.64	-66.18	13.51	247.96	73.11	77.61 243.4627.69
		508	3.82	22.18	-86.38	-15.60	-48.60	51.71	245.08	48.64	56.63 237.0938.81
459	158	218	2.83	6.13	-63.11	-4.04	-52.95	24.50	-3.58	-178.76	-20.97 -161.36-52.39
		241	4.32	-12.54	-124.41	-15.70	-121.25	18.54	7.61	-51.29	5.95 -49.649.73
		528	3.36	14.06	-73.79	14.01	-73.74	-2.10	24.16	-81.29	24.14 -81.281.25
		508	3.34	17.44	-73.98	-1.38	-55.16	36.96	-0.27	-96.31	-2.09 -94.4913.10
459	164	218	2.81	4.26	-63.38	-6.31	-52.81	24.56	-8.60	-182.08	-25.57 -165.11-51.54
		241	4.28	-15.57	-124.42	-18.76	-121.24	18.33	6.33	-53.37	4.84 -51.879.34
		528	3.32	12.35	-73.76	12.31	-73.71	-2.04	21.97	-82.64	21.95 -82.631.28
		508	3.30	15.54	-74.26	-3.56	-55.16	36.75	-1.88	-95.65	-3.56 -93.9712.46
459	169	218	4.03	4.92	-68.11	-7.75	-55.45	27.65	-56.96	-366.78	-67.41 -356.32-55.94
		241	5.44	-16.10	-128.13	-20.37	-123.87	21.43	-34.50	-232.39	-34.74 -232.156.94
		528	4.54	16.34	-76.36	16.33	-76.34	1.06	-12.39	-261.94	-12.45 -261.883.85
		508	4.42	20.84	-77.98	0.66	-57.80	39.84	-39.76	-284.52	-40.15 -284.139.80
459	206	218	4.03	4.90	-62.24	-5.46	-51.89	24.25	-60.27	-383.45	-68.53 -375.18-51.01
		241	5.51	-15.22	-123.90	-18.38	-120.73	18.26	-36.55	-261.25	-36.81 -260.99 7.71
		528	3.44	14.43	-73.27	14.38	-73.22	-2.15	19.61	-98.16	19.60 -98.150.75
		508	3.35	16.79	-73.21	-1.82	-54.60	36.45	-4.65	-109.94	-5.80 -108.7910.94
460	16	509	140.01	324.58	-2370.89	-503.00	-1543.31	-1243.32	-3489.18	-1.020e+04	-4597.07 -9092.21-2491.49
		510	61.07	1306.11	-106.59	494.12	705.41	698.40	3009.07	821.74	2417.23 1413.57971.74
		222	58.38	261.07	-961.68	-727.61	27.00	-481.06	4254.89	1953.76	3833.15 2375.51890.29
		221	114.87	137.98	-1916.77	114.29	-1893.08	219.34	7406.87	-888.62	-611.66 7129.911490.24
460	102	509	140.82	322.74	-2370.95	-505.14	-1543.08	-1242.84	-3128.46	-1.015e+04	-4350.79 -8926.08-2662.07
		510	60.15	1305.80	-108.19	491.97	705.64	698.88	3152.13	1551.77	2740.20 1963.70699.68
		222	57.32	260.93	-961.08	-727.39	27.23	-480.59	4312.80	2453.70	3893.35 2873.15777.08
		221	115.68	138.30	-1916.64	114.51	-1892.85	219.81	7512.04	-896.80	-628.29 7243.531478.42
460	155	509	96.02	239.31	-1637.98	-358.36	-1040.30	-874.52	-2096.44	-6769.37	-2913.86 -5951.96-1775.26
		510	41.86	907.60	-97.71	358.44	451.45	500.50	2105.46	1030.89	1828.04

1308.32470.26
222 40.52 155.72 -716.27 -506.04 -54.50 -372.99 2880.09 1635.79 2596.93
1918.96521.69
221 76.79 98.10 -1267.96 80.17 -1250.03 155.50 5009.06 -599.03 -419.83
4829.86986.35
460 159 509 51.01 157.83 -906.30 -210.87 -537.61 -506.36 -1184.86 -3407.36 -1559.01 -
3033.21-831.60
510 24.24 513.70 -90.89 225.63 197.18 301.96 1011.16 266.61 808.22
469.55331.54
222 24.49 65.18 -486.27 -284.77 -136.32 -265.55 1427.49 651.84 1280.43
798.89304.04
221 37.63 58.19 -619.73 45.74 -607.28 91.03 2471.04 -298.55 -205.82
2378.31498.21
460 164 509 8.25 88.92 -188.48 -64.80 -34.76 -137.89 -3.63 -40.05 -39.98 -
3.71-1.65
510 7.51 144.74 -110.30 91.38 -56.94 103.74 12.48 -11.22 3.72 -
2.4611.44
222 11.31 35.05 -316.38 -63.35 -217.98 -157.79 18.71 -4.05 4.07
10.58 10.91
221 1.91 53.01 -5.92 11.47 35.62 26.87 3.29 -3.68 -2.90
2.51 2.19
460 178 509 10.11 80.05 -227.63 -110.45 -37.12 -149.41 39.03 -110.73 -60.89 -
10.81-70.57
510 6.82 99.39 -112.90 45.80 -59.31 92.22 230.52 -20.61 -18.74
228.6521.56
222 12.74 46.96 -327.58 -60.28 -220.34 -169.31 218.72 27.34 28.95
217.1117.46
221 1.55 41.84 5.80 14.39 33.25 15.35 49.91 -9.91 -9.88
49.88 -1.40
460 199 509 10.96 83.06 -274.98 -141.54 -50.38 -173.12 -6.07 -51.23 -51.16 -
6.14-1.80
510 7.27 129.49 -116.14 67.67 -54.31 106.60 16.96 -14.29 5.69 -
3.0215.01
222 12.49 36.41 -349.76 -73.82 -239.53 -174.41 25.37 -3.69 6.76
14.9113.95
221 3.01 93.22 8.07 58.65 42.64 41.82 7.24 -5.56 -4.59
6.27 3.38
461 15 510 17.60 120.15 -172.18 93.18 -145.21 -84.60 2065.07 -401.23 1603.01
60.83962.33
511 12.31 94.78 -309.61 -208.25 -6.59 175.26 160.97 1.86 138.73
24.10 55.17
223 5.92 60.53 -49.11 -49.06 60.47 -2.44 508.44 52.60 485.75
75.2999.13
222 19.51 42.88 -431.28 -184.52 -203.88 236.88 1657.89 -69.05 -5.42
1594.26325.33
461 103 510 12.12 141.47 -155.53 97.76 -111.83 -105.22 962.60 493.16 669.02
786.75227.21
511 14.24 90.72 -280.34 -159.39 -30.23 173.93 1192.76 -136.92 -126.34
1182.17-118.18
223 9.88 69.75 -31.60 -29.31 67.46 -15.07 1326.91 590.71 599.89
1317.7381.69
222 22.02 40.62 -422.49 -139.93 -241.94 225.87 1814.42 219.05 219.26
1814.2118.30
461 156 510 8.92 112.88 -117.26 76.41 -80.79 -84.04 642.71 327.60 446.02
524.29152.62
511 10.19 69.98 -211.36 -114.58 -26.80 133.65 794.93 -90.82 -83.98
788.09-77.56
223 6.85 55.48 -21.98 -19.56 53.06 -13.47 885.30 393.99 400.34
878.9655.46
222 16.16 31.67 -324.39 -100.84 -191.87 172.12 1210.58 145.75 145.93
1210.4113.59
461 159 510 9.10 118.24 -114.36 78.82 -74.94 -87.27 692.03 -138.26 534.38
19.40325.64
511 8.47 71.09 -206.33 -104.79 -30.45 133.64 58.33 -3.14 47.28
7.9123.60
223 3.13 57.70 -19.64 -16.45 54.51 -15.36 173.18 17.58 163.67
27.1037.28
222 12.41 32.51 -324.07 -93.63 -197.93 170.49 558.67 -26.13 -2.84
535.38114.35

461	164	510	7.22	141.86	-104.41	84.27	-46.82	-104.24	7.88	-9.37	0.07	-1.568.58
		511	8.00	76.74	-189.03	-62.43	-49.86	132.74	10.06	-8.45	1.83	-0.229.19
		223	2.55	70.02	-9.57	-0.18	60.63	-25.68	10.79	-4.17	3.09	3.53 7.47
		222	11.67	40.13	-326.17	-56.69	-229.35	161.53	13.91	-8.74	-1.83	6.9910.43
461	195	510	7.77	145.97	-99.77	92.22	-46.02	-101.59	138.47	-362.10	100.72	-324.35132.18
		511	9.65	83.71	-187.13	-54.36	-49.05	135.39	80.57	-509.12	73.54	-502.0964.01
		223	5.55	68.88	-9.78	-2.34	61.44	-23.02	-104.40	-543.18	-104.40	-543.17-0.59
		222	13.72	41.02	-328.54	-58.98	-228.55	164.18	-61.95	-378.69	-79.99	-360.6673.40
461	204	510	6.94	124.84	-111.62	57.05	-43.83	-106.93	10.34	-11.61	0.84	-2.1110.87
		511	8.21	65.08	-203.54	-84.08	-54.38	133.49	12.91	-10.27	2.72	-0.0811.51
		223	2.71	73.04	-12.26	-2.48	63.27	-27.17	13.16	-4.87	3.78	4.52 9.01
		222	11.70	34.73	-330.05	-57.25	-238.06	158.41	18.71	-10.52	-1.72	9.91 13.41
462	15	511	6.55	21.49	-89.50	-78.31	10.31	-33.41	496.37	9.34	381.68	124.04206.65
		512	12.13	-76.04	-385.05	-335.41	-125.68	113.47	23.85	-53.91	-20.93	-9.1438.43
		224	1.81	36.10	-18.10	-7.37	25.36	21.60	54.29	-81.64	37.30	-64.6544.96
		223	11.48	79.81	-270.27	-128.10	-62.36	171.93	160.45	-28.61	20.51	111.3282.91
462	101	511	7.29	21.31	-90.84	-79.66	10.13	-33.60	975.29	375.67	481.39	869.57228.50
		512	13.23	-76.54	-386.06	-336.74	-125.86	113.28	737.40	72.10	78.08	731.4362.77
		224	5.40	35.81	-17.94	-7.31	25.19	21.41	684.20	134.81	141.94	677.0762.19
		223	12.62	79.54	-270.13	-128.05	-62.53	171.74	870.84	113.23	126.04	858.0497.65
462	155	511	4.95	19.11	-59.76	-49.53	8.88	-26.50	651.10	249.78	321.17	579.70153.48
		512	9.51	-56.53	-283.38	-242.80	-97.11	86.94	491.82	48.02	52.19	487.6542.85
		224	3.64	27.50	-9.42	-0.25	18.33	15.95	456.51	89.67	94.65	451.5342.43
		223	9.11	59.08	-201.00	-91.56	-50.35	128.40	581.27	75.36	84.18	572.4466.23
462	159	511	2.82	31.65	-30.08	-10.91	12.48	-28.57	170.38	-0.82	128.25	41.3173.74
		512	7.57	-46.05	-241.56	-189.60	-98.02	86.37	12.54	-21.85	-6.38	-2.9317.11
		224	1.19	30.45	1.73	17.18	15.00	14.32	21.21	-29.60	12.53	-20.9119.13
		223	7.38	53.24	-179.87	-69.04	-57.59	116.41	59.23	-12.83	7.52	38.8932.44
462	164	511	2.03	52.61	-9.85	26.81	15.95	-30.75	9.49	-7.74	1.81	-0.078.56
		512	6.48	-30.38	-205.94	-137.29	-99.04	85.67	8.23	-6.96	1.06	0.21 7.58
		224	1.30	40.16	6.04	34.65	11.56	12.56	7.97	-6.68	0.17	1.12 7.31
		223	6.41	49.00	-160.42	-46.47	-64.95	104.30	10.70	-6.36	1.20	3.14 8.47
462	195	511	3.88	55.09	-2.77	35.92	16.40	-27.24	-68.70	-534.56	-68.83	-534.42-7.93
		512	7.86	-22.99	-203.82	-128.23	-98.59	89.19	-68.26	-528.12	-68.51	-527.87-10.86
		224	3.58	42.01	3.39	33.39	12.01	16.08	-73.93	-527.95	-74.00	-

527.89-5.40											
	223	7.96	52.06	-164.23	-47.67	-64.50	107.82	-74.14	-532.17	-74.15	-
532.16-2.31											
462 204	511	2.26	38.89	-35.12	-6.16	9.93	-36.12	11.81	-9.51	2.48	-
0.1910.58											
	512	6.85	-35.49	-218.70	-158.09	-96.10	86.20	10.24	-8.31	1.54	
0.39 9.26											
	224	1.11	34.29	5.71	31.95	8.04	7.83	9.61	-8.18	-0.02	
1.44 8.86											
	223	6.30	49.22	-156.16	-41.84	-65.10	102.03	13.78	-7.41	2.01	
4.3610.53											
463 15	512	11.77	-32.66	-351.74	-314.89	-69.51	-101.98	92.03	-27.61	40.25	
24.1759.28											
	513	13.12	-44.89	-402.25	-363.59	-83.55	111.00	45.75	-61.48	-13.10	-
2.6353.36											
	225	4.12	26.34	-89.70	-22.38	-40.98	-57.27	45.33	-71.94	-4.96	-
21.6558.04											
	224	6.91	67.58	-143.42	-37.34	-38.50	105.50	37.55	-85.69	-1.42	-
46.7257.30											
463 101	512	12.49	-32.92	-352.98	-316.19	-69.72	-102.09	790.14	162.36	179.64	
772.86102.71											
	513	14.55	-45.30	-403.36	-364.89	-83.77	110.89	711.41	98.03	115.81	
693.63102.90											
	225	6.77	26.42	-89.89	-22.28	-41.19	-57.38	690.60	128.71	141.24	
678.0782.97											
	224	7.80	67.41	-143.37	-37.25	-38.71	105.39	715.70	145.00	155.28	
705.4275.90											
463 155	512	9.07	-23.25	-257.89	-227.66	-53.48	-78.61	527.10	108.03	119.88	
515.2569.48											
	513	10.50	-32.90	-295.65	-264.19	-64.36	85.30	474.58	65.14	77.30	
462.4269.50											
	225	4.86	23.22	-66.92	-11.89	-31.81	-43.96	460.83	85.58	94.20	
452.2156.22											
	224	5.66	53.83	-106.95	-22.54	-30.58	80.29	477.58	96.46	103.58	
470.4651.59											
463 159	512	7.18	-14.59	-214.98	-176.66	-52.91	-78.81	35.21	-13.17	13.94	
8.1124.02											
	513	8.11	-24.75	-249.45	-210.15	-64.05	85.36	19.25	-24.08	-3.96	-
0.8621.61											
	225	2.99	33.66	-60.66	5.13	-32.14	-43.32	19.32	-27.35	-1.49	-
6.5423.19											
	224	4.90	61.38	-97.20	-2.69	-33.13	77.82	16.90	-31.92	-0.22	-
14.8023.29											
463 164	512	5.93	-2.19	-176.83	-126.53	-52.49	-79.09	8.03	-7.02	0.92	
0.09 7.51											
	513	6.77	-13.21	-207.64	-156.98	-63.88	85.34	7.13	-6.39	0.72	
0.02 6.75											
	225	3.01	45.60	-55.99	22.23	-32.61	-42.76	7.55	-6.06	0.28	
1.20 6.79											
	224	4.70	70.50	-89.09	17.21	-35.81	75.26	8.32	-6.50	0.46	
1.36 7.40											
463 194	512	7.38	-2.00	-184.91	-133.89	-53.03	-82.03	537.80	96.41	100.09	
534.1140.16											
	513	7.63	-18.02	-210.74	-164.34	-64.42	82.40	497.82	86.96	91.70	
493.0943.84											
	225	5.33	48.40	-58.77	22.78	-33.15	-45.71	498.36	102.13	103.73	
496.7625.12											
	224	6.14	67.92	-86.51	17.77	-36.35	72.32	538.93	111.05	112.10	
537.88 21.16											
463 204	512	6.41	-7.78	-193.66	-148.48	-52.96	-79.73	9.83	-8.48	1.25	
0.10 9.13											
	513	7.13	-17.31	-220.17	-173.97	-63.51	85.08	8.61	-7.57	1.02	
0.02 8.08											
	225	3.13	46.60	-58.75	20.99	-33.13	-45.19	9.22	-7.10	0.40	
1.72 8.13											
	224	4.53	66.70	-86.65	16.39	-36.34	72.00	10.30	-7.73	0.68	
1.90 9.00											
464 15	513	12.97	-44.49	-400.21	-360.39	-84.32	-112.17	53.43	-54.82	-3.87	
2.4854.03											

	514	11.09	-29.49	-335.74	-298.13	-67.10	100.52	56.90	-55.99	1.91	-1.0056.43
	226	7.57	83.97	-151.67	-23.48	-44.22	-117.36	62.37	-56.11	-3.14	9.4158.91
	225	3.28	6.49	-74.43	-27.58	-40.36	39.95	50.84	-72.75	-3.09	-18.8261.30
464 101	513	13.61	-44.81	-401.55	-361.80	-84.56	-112.25	717.90	112.17	130.28	699.79103.16
	514	12.47	-29.93	-336.96	-299.54	-67.35	100.44	663.99	105.99	125.61	644.37102.79
	226	9.32	83.85	-151.96	-23.64	-44.47	-117.45	665.06	101.11	112.92	653.2580.76
	225	5.38	6.21	-74.55	-27.74	-40.60	39.87	690.00	110.35	123.40	676.9585.99
464 155	513	9.95	-32.69	-294.69	-262.23	-65.14	-86.32	478.91	74.56	86.95	466.5369.67
	514	8.93	-20.74	-244.77	-213.95	-51.56	77.16	442.97	70.47	83.85	429.5869.33
	226	6.89	67.11	-114.50	-13.28	-34.11	-90.21	443.80	67.21	75.32	435.7054.66
	225	3.80	8.41	-55.09	-15.45	-31.23	30.75	460.44	73.34	82.31	451.4758.23
464 159	513	8.10	-25.09	-249.80	-209.52	-65.37	-86.19	21.84	-21.88	-0.88	0.8421.84
	514	6.65	-11.00	-199.63	-159.95	-50.68	76.87	22.65	-21.87	1.10	-0.3322.25
	226	5.58	76.06	-107.06	2.71	-33.70	-89.73	24.78	-21.67	-0.87	3.9923.10
	225	2.37	21.92	-49.32	3.73	-31.12	31.07	21.20	-27.60	-0.83	-5.5724.29
464 164	513	6.82	-14.11	-209.39	-157.75	-65.75	-86.12	7.15	-6.40	0.72	0.03 6.77
	514	5.45	3.22	-160.09	-106.90	-49.97	76.53	6.50	-5.67	0.83	4.25e-036.07
	226	5.45	85.59	-100.46	18.59	-33.46	-89.31	7.05	-5.23	0.32	1.50 6.11
	225	2.45	37.16	-45.54	22.81	-31.19	31.32	7.61	-6.02	0.34	1.25 6.80
464 190	513	8.03	-13.80	-216.71	-164.24	-66.26	-88.84	496.38	92.72	95.60	493.5133.97
	514	6.14	-1.70	-162.18	-113.40	-50.47	73.82	455.67	84.87	87.57	452.9731.52
	226	6.93	87.93	-103.44	18.46	-33.97	-92.02	454.33	81.02	81.91	453.44 18.19
	225	4.65	34.96	-43.97	22.69	-31.69	28.61	494.75	89.01	90.06	493.6920.67
464 204	513	7.21	-18.02	-222.58	-174.87	-65.73	-86.50	8.66	-7.59	1.03	0.04 8.11
	514	5.68	-1.16	-169.25	-120.43	-49.98	76.30	7.68	-6.64	1.06	-0.027.14
	226	5.56	86.48	-102.89	17.32	-33.73	-91.18	8.53	-5.94	0.51	2.07 7.19
	225	2.34	34.47	-44.21	21.74	-31.49	28.97	9.29	-7.06	0.45	1.78 8.15
465 15	514	11.78	-64.93	-368.57	-307.37	-126.13	-121.81	52.07	-67.43	-5.77	-9.6059.72
	515	3.82	34.06	-79.09	-57.96	12.93	44.10	53.63	-44.33	0.68	8.6248.82
	227	11.04	52.18	-282.63	-113.70	-116.74	-167.40	53.69	-73.38	-27.91	8.2160.92
	226	2.75	50.69	-24.14	-9.95	36.50	-29.33	77.16	-40.29	19.42	17.4558.72
465 103	514	13.59	-55.97	-324.03	-249.22	-130.78	-120.24	1087.00	182.55	200.33	1069.23125.54
	515	7.36	53.00	-19.71	11.54	21.75	36.00	979.83	161.89	180.32	961.40121.38
	227	13.65	50.91	-275.00	-106.19	-117.90	-162.85	971.30	166.25	173.51	964.0576.08
	226	7.88	61.54	-6.49	14.09	40.95	-31.25	1094.50	219.93	225.94	

1088.4872.25											
465 156	514	9.88	-40.88	-242.41	-182.10	-101.19	-92.29	724.88	121.56	133.64	
712.8084.51											
	515	4.99	45.65	-7.21	20.24	18.20	26.41	653.45	107.84	120.33	
640.95 81.61											
	227	10.04	39.11	-210.31	-80.45	-90.75	-124.60	647.88	110.70	115.67	
642.9151.45											
	226	5.40	49.39	-2.46	14.62	32.31	-24.37	730.02	146.57	150.72	
725.8748.98											
465 159	514	7.46	-37.59	-234.24	-170.25	-101.58	-92.14	21.00	-25.82	-1.54	-
3.2723.39											
	515	1.94	52.93	1.12	33.99	20.06	24.95	21.09	-17.39	0.73	
2.97 19.21											
	227	7.95	39.34	-208.84	-78.95	-90.56	-123.96	21.46	-27.14	-9.31	
3.6323.42											
	226	1.93	52.00	0.31	18.88	33.44	-24.80	29.83	-16.23	6.86	
6.7423.03											
465 164	514	6.52	-21.12	-203.59	-119.64	-105.07	-90.94	6.44	-5.89	0.68	-
0.136.15											
	515	3.01	98.69	23.18	94.08	27.79	18.08	5.73	-4.66	0.90	
0.17 5.18											
	227	7.54	38.85	-202.43	-72.43	-91.14	-120.28	6.34	-4.78	-8.71e-03	
1.57 5.51											
	226	2.04	64.88	11.83	39.18	37.53	-26.51	7.27	-4.96	0.68	
1.63 6.10											
465 194	514	8.32	-22.31	-209.83	-126.52	-105.61	-93.17	458.43	80.96	86.45	
452.9445.18											
	515	3.78	90.98	23.31	87.04	27.25	15.85	405.32	69.53	75.76	
399.0945.32											
	227	8.85	40.48	-205.24	-73.09	-91.67	-122.51	402.81	77.53	79.01	
401.3321.89											
	226	3.97	66.59	9.08	38.67	37.00	-28.74	456.76	89.23	90.48	
455.5121.40											
465 199	514	6.72	-25.93	-211.23	-132.69	-104.46	-91.57	7.94	-6.75	1.12	
0.07 7.32											
	515	2.72	88.70	20.52	82.81	26.41	19.16	6.81	-5.43	1.38	1.83e-
036.08											
	227	7.68	40.85	-205.18	-72.86	-91.48	-122.66	7.89	-4.65	0.75	
2.50 6.21											
	226	2.10	65.08	9.26	37.48	36.85	-27.91	8.61	-6.25	0.33	
2.03 7.38											
466 5	515	13.72	170.88	-295.96	6.85	-131.93	-222.87	8.82	-6.36	1.95	
0.52 7.56											
	516	13.61	266.02	-201.91	53.36	10.75	232.99	5.29	-5.50	0.13	-
0.345.39											
	228	18.49	36.95	-533.22	-43.03	-453.25	-198.00	11.56	-3.92	4.05	
3.60 7.74											
	227	3.86	83.98	-45.67	-28.24	66.55	44.23	7.65	-6.33	-0.79	
2.12 6.84											
466 95	515	16.49	168.46	-288.01	7.96	-127.51	-217.95	1000.69	378.35	382.22	
996.8148.98											
	516	14.78	261.27	-195.77	54.29	11.20	227.50	1008.30	381.03	382.72	
1006.61-32.55											
	228	22.82	35.96	-522.65	-42.70	-443.98	-194.30	991.82	264.81	265.35	
991.28-19.77											
	227	8.85	82.92	-44.28	-27.96	66.60	42.54	976.53	255.42	258.03	
973.9243.28											
466 152	515	12.27	129.21	-220.96	6.07	-97.82	-167.20	667.29	252.29	254.99	
664.5933.37											
	516	11.08	200.36	-150.15	41.63	8.58	174.47	672.11	254.08	255.16	
671.03-21.19											
	228	17.01	27.11	-401.21	-33.16	-340.94	-148.95	661.51	176.95	177.28	
661.19-12.45											
	227	6.25	63.58	-34.35	-21.95	51.18	32.57	651.29	170.12	171.93	
649.4729.49											
466 163	515	10.41	126.64	-217.24	5.46	-96.07	-164.28	134.69	50.59	52.04	
133.2410.95											
	516	9.99	196.22	-147.30	40.52	8.39	171.01	134.01	51.07	51.08	
133.99 -1.17											
	228	14.24	23.53	-395.85	-35.27	-337.05	-145.61	134.27	37.65	37.69	

134.24 1.87											
	227	3.50	62.31	-36.25	-24.84	50.90	31.54	131.98	32.89	33.85	
131.01 9.73											
466 164	515	10.10	126.76	-217.18	5.73	-96.14	-164.25	6.24	-4.53	1.32	
0.40 5.36											
	516	10.00	196.35	-147.25	40.79	8.32	171.03	3.75	-3.95	0.07	-
0.273.84											
	228	13.65	23.53	-395.89	-35.23	-337.12	-145.58	8.14	-2.82	2.81	
2.51 5.48											
	227	2.92	62.27	-36.24	-24.79	50.82	31.57	5.31	-4.54	-0.65	
1.42 4.82											
466 194	515	11.39	126.44	-221.33	1.44	-96.33	-166.87	418.16	138.12	140.41	
415.8725.25											
	516	10.16	191.43	-146.60	36.71	8.12	168.41	417.27	140.21	140.40	
417.09 -7.15											
	228	15.64	24.03	-398.10	-36.75	-337.31	-148.20	411.10	111.99	112.02	
411.07-2.99											
	227	4.88	60.27	-36.28	-26.64	50.63	28.95	408.64	106.63	108.16	
407.1121.44											
466 200	515	10.11	121.65	-221.55	-2.28	-97.62	-164.84	6.08	-4.77	0.89	
0.41 5.42											
	516	10.03	194.95	-150.09	35.53	9.32	172.02	3.36	-3.48	-2.72e-04	-
0.133.42											
	228	13.79	23.31	-400.27	-37.58	-339.38	-148.61	7.78	-3.32	2.14	
2.32 5.55											
	227	2.91	61.47	-36.98	-27.08	51.56	29.62	4.93	-4.27	-0.68	
1.34 4.49											
467 15	516	4.56	37.91	-101.10	-6.35	-56.84	-64.76	44.67	-33.47	8.12	
3.0838.99											
	517	12.49	-9.36	-375.19	-307.15	-77.39	142.34	33.71	-19.98	13.86	-
0.1225.92											
	229	3.29	83.29	-22.48	-13.88	74.69	-28.91	46.10	-7.39	3.83	
34.8821.78											
	228	15.80	47.24	-435.27	-175.00	-213.03	240.50	61.97	-35.53	-0.67	
27.1146.73											
467 103	516	9.29	70.60	-84.54	43.41	-57.35	-58.98	939.53	39.29	41.11	
937.71-40.43											
	517	13.74	2.86	-327.25	-251.63	-72.76	138.73	962.63	44.40	48.49	
958.5461.09											
	229	8.54	83.14	0.74	10.43	73.45	-26.54	1015.15	193.84	197.01	
1011.9850.90											
	228	17.84	55.96	-411.87	-145.71	-210.20	231.68	989.13	189.06	189.06	
989.13-0.52											
467 156	516	6.71	60.55	-62.86	41.69	-44.00	-44.40	626.31	26.47	27.64	
625.14-26.41											
	517	9.96	4.63	-244.11	-184.40	-55.07	106.24	641.79	29.69	32.47	
639.01 41.17											
	229	5.90	64.13	4.21	11.84	56.50	-19.97	677.19	129.38	131.54	
675.0334.32											
	228	13.27	44.66	-313.24	-107.52	-161.07	176.94	659.67	125.91	125.91	
659.67 0.36											
467 159	516	3.83	68.68	-60.10	52.05	-43.48	-43.18	17.71	-13.00	3.68	
1.0315.30											
	517	8.05	8.16	-235.00	-173.16	-53.69	105.90	13.44	-8.32	5.24	-
0.1310.54											
	229	2.04	64.60	8.46	16.17	56.90	-19.32	18.17	-2.80	2.14	
13.23 8.90											
	228	11.35	46.87	-309.27	-102.42	-159.99	175.73	24.01	-14.72	-0.80	
10.0918.58											
467 164	516	4.67	105.36	-53.06	95.59	-43.29	-38.11	5.01	-3.29	1.72	3.60e-
034.06											
	517	7.00	22.81	-196.92	-124.89	-49.22	103.15	3.89	-2.94	1.10	-
0.163.36											
	229	1.93	66.32	26.85	36.69	56.48	-17.08	5.14	-0.80	1.52	
2.82 2.89											
	228	10.79	55.81	-290.63	-77.80	-157.02	168.63	5.92	-5.08	-1.01	
1.85 5.31											
467 191	516	6.47	105.88	-51.95	97.38	-43.45	-35.64	-10.48	-390.95	-13.24	-
388.1932.28											

	517	7.70	25.65	-198.06	-123.03	-49.38	105.62	-14.43	-391.23	-14.68	-
390.99-9.63											
	229	4.05	63.85	27.96	35.48	56.32	-14.61	-76.86	-400.91	-77.12	-
400.65-9.20											
	228	12.22	57.36	-293.65	-79.11	-157.18	171.11	-77.89	-400.51	-78.99	-
399.4018.84											
467 212	516	4.75	107.61	-53.38	97.90	-43.67	-38.33	5.65	-3.72	1.96	-
0.024.58											
	517	7.00	23.51	-196.31	-123.84	-48.95	103.34	4.50	-3.15	1.33	
0.02 3.77											
	229	1.92	65.90	27.07	36.65	56.31	-16.74	5.38	-0.99	1.39	
3.00 3.08											
	228	10.85	56.62	-291.63	-78.23	-156.78	169.64	7.11	-5.70	-0.86	
2.27 6.21											
468 15	517	8.62	12.40	-245.40	-218.65	-14.35	-78.61	28.71	-25.08	9.37	-
5.7525.81											
	518	13.08	-68.53	-421.79	-377.40	-112.92	117.09	16.43	-1.97	8.75	
5.70 9.07											
	230	1.13	4.39	-28.56	-13.18	-11.00	-16.44	25.38	-16.94	-15.70	
24.13 7.14											
	229	8.11	57.85	-200.78	-76.06	-66.87	129.23	59.12	-3.90	15.77	
39.4529.20											
468 35	517	8.32	4.63	-232.10	-213.72	-13.74	-63.34	11.88	-125.37	-12.62	-
100.8752.56											
	518	13.76	-56.80	-427.88	-372.37	-112.32	132.36	76.14	-20.47	-5.21	
60.8835.24											
	230	0.81	-10.14	-15.84	-15.60	-10.39	-1.17	82.68	-7.65	-3.84	
78.88 18.14											
	229	9.05	72.21	-217.06	-78.59	-66.26	144.50	148.73	21.23	35.78	
134.1840.54											
468 122	517	5.89	6.66	-162.58	-147.31	-8.61	-48.48	8.41	-83.87	-8.21	-
67.2535.46											
	518	10.10	-43.83	-315.56	-271.98	-87.41	99.71	50.97	-13.65	-3.27	
40.5923.72											
	230	0.59	-4.40	-8.06	-4.92	-7.54	-1.28	55.56	-5.11	-2.49	
52.95 12.31											
	229	6.78	56.29	-162.09	-55.23	-50.57	109.17	99.77	14.00	23.96	
89.8027.48											
468 159	517	4.44	21.75	-117.61	-93.41	-2.45	-52.79	11.82	-9.78	3.98	-
1.9410.39											
	518	8.32	-47.83	-269.77	-226.69	-90.91	87.77	6.95	-1.26	3.75	
1.93 4.00											
	230	0.96	21.02	-8.39	18.89	-6.27	-7.61	10.30	-5.66	-4.94	
9.58 3.31											
	229	5.94	54.37	-141.23	-37.40	-49.46	97.61	22.66	-2.31	5.69	
14.66 11.66											
468 164	517	3.03	35.03	-67.13	-36.22	4.12	-46.93	3.97	-2.51	1.51	-
0.043.14											
	518	7.16	-40.29	-231.75	-178.04	-94.00	86.02	2.63	-1.10	1.48	
0.06 1.73											
	230	1.48	41.40	-4.90	41.09	-4.59	-3.76	3.58	-0.37	0.51	
2.70 1.65											
	229	5.76	62.55	-131.77	-21.26	-47.95	96.24	5.23	-1.80	0.77	
2.66 3.39											
468 167	517	2.92	27.16	-56.10	-33.46	4.52	-37.05	-32.46	-154.34	-34.32	-
152.4714.95											
	518	7.73	-30.19	-238.62	-175.21	-93.60	95.90	-23.90	-60.27	-29.04	-
55.1312.67											
	230	1.63	40.41	-5.03	39.58	-4.19	6.12	-6.67	-55.17	-9.81	-
52.0211.94											
	229	6.41	71.63	-142.04	-22.85	-47.55	106.12	-1.85	-30.05	-4.51	-
27.398.24											
468 200	517	3.17	33.21	-72.96	-42.86	3.11	-47.85	4.00	-2.23	1.61	
0.16 3.03											
	518	7.24	-40.85	-234.37	-181.74	-93.49	86.12	2.41	-1.16	1.37	-
0.121.62											
	230	1.47	40.78	-5.54	40.23	-4.99	-4.99	3.66	0.05	0.95	
2.76 1.57											
	229	5.72	62.11	-130.95	-20.80	-48.04	95.56	4.66	-2.01	0.28	

2.38 3.16											
469 15	518	13.07	-38.29	-407.72	-367.66	-78.34	-114.86	9.56	-6.72	3.91	-
1.077.75											
	519	12.11	-30.32	-375.23	-337.78	-67.77	107.30	10.58	-6.44	3.98	
0.15-8.29											
	231	5.17	47.22	-123.71	-34.73	-41.76	-85.39	28.69	-6.06	-4.01	
26.64-8.18											
	230	3.86	26.16	-99.89	-26.73	-47.00	62.21	32.17	-2.17	-0.81	
30.82 6.69											
469 101	518	13.48	-38.83	-409.42	-369.60	-78.66	-114.77	518.84	112.97	116.32	
515.5036.71											
	519	12.82	-30.76	-377.04	-339.71	-68.09	107.39	487.18	109.42	110.19	
486.4017.07											
	231	6.32	46.83	-123.92	-35.01	-42.08	-85.30	511.46	90.24	91.03	
510.66-18.32											
	230	5.73	25.95	-100.28	-27.01	-47.31	62.29	545.99	99.45	100.31	
545.1319.58											
469 133	518	9.39	-33.72	-294.69	-268.57	-59.84	-78.32	13.24	-39.89	10.94	-
37.59-10.80											
	519	9.36	-14.88	-283.40	-246.50	-51.78	92.44	39.47	-6.38	8.28	
24.80-21.38											
	231	3.41	29.62	-81.49	-20.17	-31.70	-55.25	46.26	-1.29	2.25	
42.72-12.48											
	230	3.52	34.27	-84.14	-14.00	-35.87	58.18	7.15	-16.09	6.84	-
15.78-2.66											
469 159	518	8.27	-20.78	-256.72	-217.61	-59.90	-87.74	4.61	-2.86	2.12	-
0.373.52											
	519	7.65	-14.95	-235.76	-198.62	-52.08	82.59	4.00	-1.78	2.17	
0.05-2.69											
	231	3.82	49.26	-81.36	-0.31	-31.79	-63.39	11.06	-1.55	-0.96	
10.47-2.66											
	230	3.16	38.86	-69.25	6.00	-36.39	49.72	12.68	-0.66	0.15	
11.87 3.19											
469 164	518	7.06	-11.01	-216.35	-167.74	-59.62	-87.28	2.52	-1.11	1.44	-
0.031.66											
	519	6.53	-5.41	-198.45	-151.82	-52.05	82.63	1.49	-0.02	1.48	-7.49e-
03 0.13											
	231	3.87	60.96	-72.60	19.88	-31.53	-61.63	2.81	0.66	0.67	
2.81 0.11											
	230	3.48	54.92	-65.18	26.32	-36.57	51.16	3.76	-0.20	0.75	
2.81 1.69											
469 183	518	7.39	-13.60	-215.22	-169.44	-59.37	-84.46	-56.86	-293.82	-60.85	-
289.8330.48											
	519	7.25	-3.22	-202.09	-153.51	-51.81	85.45	-62.75	-334.62	-66.35	-
331.0231.06											
	231	4.64	58.62	-69.76	20.14	-31.29	-58.81	-63.12	-327.98	-64.11	-
326.99 16.16											
	230	4.74	57.59	-67.35	26.57	-36.33	53.98	-54.80	-286.90	-55.84	-
285.8515.52											
469 220	518	7.09	-11.44	-217.67	-169.51	-59.60	-87.25	2.71	-1.37	1.27	
0.07 1.95											
	519	6.57	-5.92	-200.02	-153.86	-52.08	82.64	1.81	-0.65	1.18	-
0.021.08											
	231	3.87	61.25	-72.33	20.39	-31.47	-61.55	2.31	0.05	0.66	
1.70 1.00											
	230	3.50	55.47	-65.19	26.80	-36.53	51.35	3.16	-1.02	0.53	
1.61 2.02											
470 15	519	12.57	-73.91	-407.63	-355.72	-125.82	-120.94	14.01	-4.15	6.35	
3.52-8.97											
	520	7.04	22.04	-194.55	-171.51	-1.00	66.77	19.55	-20.74	2.64	-
3.83-19.88											
	232	9.26	67.86	-230.77	-84.64	-78.27	-149.28	42.37	-7.90	7.38	
27.09-23.13											
	231	0.44	-2.75	-9.34	-9.34	-2.76	-0.17	25.46	-13.44	-11.20	
23.22-9.06											
470 81	519	12.22	-67.43	-358.64	-297.13	-128.94	-118.87	852.20	187.77	201.60	
838.36-94.88											
	520	8.14	31.36	-137.87	-111.19	4.68	61.67	961.33	205.11	221.66	
944.79-110.64											

	232	10.92	73.32	-215.10	-64.85	-76.93	-144.08	964.22	193.63	198.38	
959.46-60.35											
	231	5.46	16.19	-1.51	16.19	-1.51	-0.13	849.20	162.35	165.00	
846.55-42.59											
470 145	519	8.96	-50.61	-269.37	-220.44	-99.54	-91.16	568.12	125.37	134.59	
558.90-63.24											
	520	5.63	25.72	-98.27	-77.15	4.60	46.61	640.94	136.87	147.95	
629.86-73.91											
	232	8.01	57.44	-163.04	-46.75	-58.85	-110.07	643.17	129.12	132.31	
639.97-40.40											
	231	3.72	16.47	-0.85	16.47	-0.85	-0.14	566.51	108.34	110.10	
564.75-28.38											
470 159	519	8.11	-49.32	-263.92	-213.56	-99.67	-90.94	5.08	-1.03	2.92	
1.13-2.92											
	520	3.66	27.32	-91.39	-70.00	5.94	45.63	7.59	-7.21	1.63	-
1.25-7.26											
	232	6.63	58.89	-160.30	-43.17	-58.24	-109.34	15.81	-2.68	2.70	
10.44-8.40											
	231	0.76	21.02	-0.26	21.02	-0.25	-0.27	10.01	-3.95	-3.30	
9.35-2.96											
470 164	519	7.10	-39.55	-229.96	-167.63	-101.88	-89.35	1.42	-0.08	1.41	-
0.070.12											
	520	2.59	38.76	-50.34	-22.65	11.06	41.24	1.97	-0.59	1.33	
0.05 -1.11											
	232	6.30	64.66	-147.79	-26.40	-56.73	-105.13	3.05	-0.15	0.42	
2.49 -1.22											
	231	1.40	42.58	1.17	42.58	1.18	-0.37	2.85	0.76	0.77	
2.84 0.11											
470 181	519	7.69	-36.59	-232.55	-167.34	-101.81	-92.34	-73.32	-336.20	-76.94	-
332.5730.65											
	520	3.50	36.14	-47.38	-22.38	11.14	38.25	-82.77	-382.33	-86.41	-
378.6932.83											
	232	7.21	67.34	-150.94	-26.94	-56.66	-108.12	-72.31	-374.97	-73.03	-
374.2414.83											
	231	2.67	42.33	0.98	42.05	1.25	-3.36	-63.85	-314.11	-64.49	-
313.4612.71											
470 204	519	7.14	-40.13	-231.28	-169.36	-102.06	-89.45	1.76	-0.02	1.67	
0.07-0.38											
	520	2.59	38.73	-50.07	-22.71	11.37	41.00	2.52	-1.24	1.40	-
0.12-1.72											
	232	6.35	64.86	-149.07	-27.30	-56.91	-105.94	4.19	-0.27	0.89	
3.03 -1.96											
	231	1.39	42.13	1.31	42.09	1.35	-1.25	3.18	0.47	0.51	
3.14-0.35											
471 15	520	11.63	9.01	-340.05	-269.02	-62.02	-140.53	24.42	-16.95	5.90	
1.57-20.57											
	521	5.06	70.00	-95.56	37.54	-63.10	65.74	30.52	-27.44	2.48	
0.61-28.97											
	233	16.12	51.38	-445.32	-171.36	-222.58	-247.02	45.08	-29.24	-1.38	
17.22-35.98											
	232	3.32	81.82	-25.37	-21.87	78.32	19.06	31.33	-13.16	-3.77	
21.94-18.16											
471 81	520	13.14	18.89	-300.36	-223.07	-58.40	-136.75	919.88	47.34	53.28	
913.94-71.74											
	521	10.01	101.76	-85.13	79.62	-62.99	60.40	907.64	49.84	51.01	
906.4731.69											
	233	18.03	57.12	-421.48	-144.12	-220.24	-236.26	943.98	174.50	174.52	
943.96-3.85											
	232	8.41	82.73	-2.08	2.69	77.96	19.53	957.58	171.02	175.49	
953.10-59.16											
471 145	520	9.54	16.53	-224.67	-163.92	-44.22	-104.70	613.28	31.67	35.66	
609.29-47.99											
	521	7.27	82.91	-64.11	67.10	-48.29	45.55	605.06	33.43	34.19	
604.3020.84											
	233	13.43	45.07	-320.61	-106.63	-168.91	-180.17	629.59	116.29	116.30	
629.58-2.97											
	232	5.83	63.94	2.02	5.90	60.06	15.01	638.75	114.11	117.11	
635.74-39.58											
471 159	520	7.64	19.51	-216.95	-154.30	-43.14	-104.35	9.18	-6.09	2.57	

0.52	-7.57										
	521	4.39	86.73	-62.44	72.08	-47.80	44.38	11.75	-10.01	1.61	
0.13	-10.85										
	233	11.54	46.69	-316.68	-101.94	-168.04	-178.65	17.35	-11.11	-0.64	
6.89	-13.72										
	232	2.08	64.51	6.15	10.19	60.48	14.81	12.18	-4.17	-0.77	
8.78	-6.64										
471	164	520	6.75	31.23	-184.93	-114.05	-39.65	-101.48	1.89	-0.84	1.06	-4.09e-
03	-1.26										
	521	5.05	114.83	-56.93	105.12	-47.23	39.66	2.88	-1.62	1.39	-
0.13	-2.12										
	233	10.94	53.02	-297.74	-79.10	-165.61	-169.96	4.12	-2.42	-0.32	
2.02	-3.05										
	232	1.96	66.84	24.65	30.84	60.65	14.93	3.06	0.37	0.86	
2.58	-1.04										
471	181	520	7.53	34.05	-185.87	-111.97	-39.85	-103.88	-17.71	-365.95	-18.60	-
365.06	17.60										
	521	6.70	114.01	-56.02	105.41	-47.43	37.25	-17.24	-370.36	-19.00	-
368.59	-24.90										
	233	12.28	54.39	-300.73	-80.54	-165.81	-172.36	-70.37	-375.83	-70.84	-
375.36	-11.96										
	232	4.01	64.89	25.07	29.50	60.45	12.52	-68.89	-373.50	-69.72	-
372.68	15.84										
471	204	520	6.78	31.39	-185.49	-114.57	-39.54	-101.74	2.71	-1.30	1.22	
0.18	-1.94										
	521	5.09	115.80	-57.17	106.05	-47.42	39.89	3.77	-2.28	1.70	-
0.22	-2.87										
	233	11.01	53.39	-299.31	-80.10	-165.81	-171.07	5.62	-3.40	-0.28	
2.49	-4.30										
	232	1.95	66.54	24.51	30.37	60.68	14.57	3.52	-0.03	0.73	
2.77	-1.45										
472	5	521	13.51	267.85	-197.23	67.48	3.14	-230.30	3.17	-2.77	0.61	-
0.21	-2.94										
	522	13.69	170.06	-296.62	-0.94	-125.63	224.85	5.51	-3.73	1.45	
0.33	-4.59										
	234	3.89	88.43	-42.09	-28.41	74.76	-39.97	5.16	-3.80	-0.63	
1.99	-4.29										
	233	18.86	41.51	-542.66	-47.02	-454.13	209.47	7.41	-1.39	2.77	
3.25	-4.39										
472	73	521	14.89	263.72	-191.04	69.09	3.59	-225.01	970.53	349.50	352.55	
967.47	43.42										
	522	16.45	168.18	-288.58	1.03	-121.43	220.02	970.99	346.59	352.63		
964.96	-61.09										
	234	8.90	87.26	-40.80	-28.09	74.56	-38.29	951.81	253.91	257.81		
947.91	-52.01										
	233	22.93	40.50	-532.58	-46.63	-445.45	205.77	954.31	260.62	261.31		
953.63	21.83										
472	141	521	11.16	202.32	-146.50	53.06	2.76	-172.59	646.96	233.10	235.09	
644.97	28.68										
	522	12.25	129.04	-221.40	0.79	-93.15	168.81	647.44	231.11	235.22		
643.34	-41.15										
	234	6.29	66.95	-31.79	-22.14	57.31	-29.31	634.79	169.16	171.82		
632.13	-35.07										
	233	17.13	30.53	-408.91	-36.31	-342.08	157.81	636.49	174.03	174.46		
636.05	14.15										
472	162	521	10.01	198.67	-143.61	52.28	2.79	-169.34	129.12	47.16	47.37	
128.90	4.17										
	522	10.41	126.79	-217.65	0.55	-91.41	165.97	130.24	46.45	47.85		
128.83	-10.75										
	234	3.57	65.86	-34.42	-25.63	57.07	-28.36	128.51	33.14	34.07		
127.58	-9.36										
	233	14.51	26.47	-403.92	-39.18	-338.27	154.75	129.02	36.39	36.39		
129.02	0.41										
472	164	521	9.95	198.80	-143.56	52.50	2.73	-169.36	2.17	-1.85	0.44	-
0.12	-1.99										
	522	10.09	126.89	-217.58	0.77	-91.47	165.95	3.83	-2.60	1.02		
0.21	-3.19										
	234	2.97	65.83	-34.41	-25.60	57.02	-28.38	3.63	-2.57	-0.38		
1.44	-2.97										

	233	13.96	26.47	-403.95	-39.15	-338.32	154.73	5.14	-0.96	1.90	2.28-3.05
472 188	521	10.22	194.19	-142.87	48.80	2.52	-166.93	393.59	132.22	132.76	393.04 11.89
	522	11.34	126.69	-221.51	-3.15	-91.68	168.38	398.35	140.49	143.81	395.03-29.07
	234	4.92	64.17	-34.65	-27.29	56.81	-25.95	391.02	104.41	106.40	389.03-23.77
	233	15.79	27.03	-406.09	-40.53	-338.53	157.16	387.67	107.88	107.96	387.59 4.69
472 212	521	9.97	198.10	-144.76	50.20	3.14	-169.81	2.93	-2.44	0.70	-0.21-2.64
	522	10.10	124.66	-219.40	-2.57	-92.16	166.10	4.76	-2.84	1.74	0.19-3.72
	234	2.99	65.67	-35.19	-26.81	57.30	-27.83	4.90	-3.07	-0.16	2.00-3.83
	233	14.01	26.10	-405.52	-40.60	-338.83	156.01	6.43	-0.62	2.88	2.93-3.52
473 15	522	2.51	51.47	-19.66	5.71	26.10	-34.07	35.35	-33.93	-3.98	5.41-34.32
	523	10.54	-60.11	-332.48	-260.40	-132.19	120.15	36.66	-47.10	-5.64	-4.81-41.88
	235	2.84	60.11	-22.83	-3.12	40.41	35.30	48.62	-30.66	7.13	10.83-39.59
	234	10.73	43.93	-284.94	-124.14	-116.87	164.39	33.84	-51.93	-19.99	1.89-41.47
473 81	522	7.06	70.83	11.12	50.27	31.68	-28.37	954.06	159.41	179.50	933.97-124.74
	523	13.43	-52.74	-309.11	-226.72	-135.13	119.73	1070.61	183.41	203.32	1050.69-131.44
	235	7.84	71.73	-10.65	17.81	43.27	39.17	1066.81	202.65	209.09	1060.38-74.32
	234	13.55	48.53	-279.74	-113.57	-117.64	164.12	939.46	161.39	168.42	932.42-73.64
473 145	522	4.85	59.11	12.25	46.06	25.30	-21.00	636.18	106.23	119.76	622.66-83.58
	523	9.79	-39.06	-233.94	-168.68	-104.33	91.98	713.90	122.17	135.61	700.46-88.15
	235	5.39	57.19	-6.43	16.97	33.80	30.67	711.46	135.02	139.41	707.08-50.07
	234	10.01	38.06	-214.28	-85.69	-90.54	126.15	626.59	107.53	112.30	621.82-49.53
473 162	522	3.07	97.57	27.63	93.87	31.32	-15.64	126.90	22.11	24.87	124.14-16.78
	523	7.11	-27.23	-211.36	-131.77	-106.83	91.21	143.25	25.20	27.95	140.49-17.83
	235	2.67	71.85	3.42	38.18	37.10	34.21	142.59	26.44	27.38	141.65-10.40
	234	8.12	42.94	-208.65	-74.85	-90.87	125.54	126.49	23.27	24.17	125.60-9.56
473 164	522	2.93	97.85	27.67	94.16	31.36	-15.67	3.49	-2.77	0.67	0.05 -3.11
	523	6.67	-27.12	-211.15	-131.49	-106.79	91.18	4.15	-3.71	0.42	0.02-3.92
	235	2.38	71.85	3.48	38.20	37.14	34.18	4.61	-3.32	0.08	1.22-3.93
	234	7.81	42.94	-208.59	-74.82	-90.83	125.51	4.19	-2.54	0.12	1.54-3.29
473 188	522	3.76	91.36	27.94	88.34	30.96	-13.50	388.59	67.86	75.23	381.22-48.06
	523	8.41	-27.63	-216.73	-137.17	-107.19	93.36	443.37	79.24	86.17	436.44-49.75
	235	3.77	73.57	0.86	37.69	36.74	36.35	391.09	82.55	84.59	389.05-25.01
	234	9.05	44.58	-211.27	-75.46	-91.23	127.68	384.30	71.86	73.65	382.51-23.58
473 207	522	2.80	93.35	26.35	89.11	30.58	-16.30	4.44	-3.64	0.98	-0.17-4.00
	523	6.75	-28.85	-214.10	-136.50	-106.45	91.39	5.42	-4.44	0.69	

0.29-4.93											
	235	2.38	71.24	2.65	37.09	36.80	34.29	5.49	-4.80	-0.54	
1.22-5.07											
	234	7.86	43.41	-209.51	-75.28	-90.83	126.22	5.60	-2.39	0.94	
2.27-3.94											
474 15	523	9.68	-21.07	-291.66	-247.60	-65.13	-99.91	39.27	-39.58	-0.81	
0.50-39.42											
	524	11.93	-39.57	-367.17	-321.35	-85.39	113.63	44.20	-42.89	0.52	
0.80-43.55											
	236	2.65	0.44	-67.05	-22.39	-44.22	-31.93	45.27	-40.95	-1.62	
5.94-42.95											
	235	7.55	87.32	-155.21	-21.99	-45.90	120.67	40.21	-39.95	-5.31	
5.57-39.71											
474 59	523	8.91	-38.15	-276.43	-246.82	-67.76	-78.60	55.31	-225.41	37.76	-
207.86-67.97											
	524	13.65	-28.03	-385.95	-325.01	-88.98	134.53	65.19	-280.91	50.36	-
266.09-70.08											
	236	3.28	-2.66	-49.01	-4.56	-47.11	-9.19	-43.37	-272.16	-52.71	-
262.83-45.25											
	235	8.79	117.52	-172.62	-6.14	-48.96	143.48	-32.15	-215.71	-43.22	-
204.63-43.70											
474 134	523	6.58	-26.32	-205.65	-180.27	-51.71	-62.51	37.18	-150.52	25.23	-
138.57-45.83											
	524	10.07	-21.39	-287.85	-241.07	-68.17	101.37	43.79	-187.51	33.66	-
177.38-47.34											
	236	2.41	1.77	-37.96	-0.34	-35.86	-8.90	-28.66	-181.52	-35.13	-
175.05-30.77											
	235	6.62	90.40	-129.58	-1.87	-37.31	108.55	-21.17	-143.91	-28.81	-
136.27-29.66											
474 159	523	6.35	-8.24	-190.57	-149.35	-49.47	-76.27	15.40	-15.26	-0.03	
0.18-15.33											
	524	8.15	-24.88	-252.05	-210.83	-66.10	87.54	17.58	-16.72	0.53	
0.34-17.15											
	236	1.90	14.47	-44.11	4.03	-33.67	-22.42	18.04	-15.85	-0.50	
2.69-16.87											
	235	5.80	80.34	-113.36	2.13	-35.15	95.04	15.98	-15.23	-1.76	
2.50-15.46											
474 164	523	5.59	-0.16	-166.73	-117.90	-48.99	-75.82	4.09	-3.65	0.42	
0.03-3.86											
	524	7.40	-19.45	-229.99	-183.03	-66.41	87.65	5.03	-4.28	0.63	
0.12-4.65											
	236	2.00	27.38	-40.51	20.28	-33.41	-20.78	5.20	-3.88	0.07	
1.25-4.50											
	235	5.83	90.96	-109.30	16.69	-35.02	96.74	4.54	-3.39	0.02	
1.14-3.92											
474 184	523	6.36	-4.14	-168.11	-122.83	-49.41	-73.31	439.17	76.98	80.98	
435.17-37.86											
	524	8.45	-18.78	-236.01	-187.96	-66.83	90.16	487.43	87.16	90.93	
483.67-38.64											
	236	4.47	25.74	-39.43	20.14	-33.83	-18.26	486.11	89.62	90.84	
484.88-21.98											
	235	7.25	93.15	-112.05	16.55	-35.45	99.25	437.67	79.76	81.05	
436.38-21.42											
474 207	523	5.69	-1.66	-170.33	-122.96	-49.03	-75.80	5.16	-4.73	0.43	3.59e-
03-4.94											
	524	7.55	-20.62	-234.51	-188.75	-66.38	87.71	6.40	-5.43	0.81	
0.16 -5.91											
	236	1.97	26.27	-40.40	19.32	-33.45	-20.36	6.58	-4.99	0.05	
1.54-5.74											
	235	5.86	90.61	-110.06	15.63	-35.07	97.08	5.83	-4.30	0.10	
1.43-5.02											
475 15	524	11.90	-34.35	-364.45	-321.52	-77.28	-111.04	44.06	-41.74	0.76	
1.55-42.90											
	525	11.52	-33.84	-348.73	-305.69	-76.89	108.17	60.81	-47.50	11.59	
1.72-53.93											
	237	5.33	41.96	-119.77	-27.63	-50.18	-80.07	61.44	-34.50	3.88	
23.06-47.01											
	236	4.57	33.86	-102.58	-19.46	-49.26	66.57	42.39	-42.56	-3.44	
3.27-42.34											

475	81	524	14.23	-30.06	-336.10	-288.92	-77.25	-110.52	1147.03	113.45	121.60	1138.88-91.40
		525	13.40	-29.52	-325.13	-277.45	-77.20	108.73	1162.83	132.79	132.80	1162.83 1.13
		237	9.76	50.64	-109.66	-8.30	-50.72	-77.29	1196.34	209.87	212.01	1194.20-45.93
		236	9.99	46.89	-98.56	-1.97	-49.71	68.70	1162.90	196.88	202.60	1157.19-74.06
475	145	524	10.31	-22.22	-253.89	-216.74	-59.37	-85.01	764.82	75.61	81.15	759.28-61.54
		525	9.71	-21.90	-246.07	-208.59	-59.38	83.65	775.25	88.78	88.78	775.25-0.07
		237	6.87	40.49	-82.97	-3.43	-39.05	-59.10	798.08	139.94	141.44	796.59-31.33
		236	7.05	38.09	-75.19	1.16	-38.26	53.10	775.49	131.16	135.06	771.59-49.97
475	159	524	8.07	-20.82	-248.11	-209.71	-59.22	-85.17	17.48	-16.27	0.60	0.62-16.88
		525	7.88	-20.86	-240.73	-202.30	-59.28	83.50	24.37	-18.77	4.91	0.69-21.46
		237	3.82	42.36	-81.61	-0.26	-38.99	-58.88	24.75	-13.43	1.70	9.61-18.68
		236	3.54	40.16	-74.32	4.03	-38.18	53.21	16.94	-16.46	-1.16	1.64-16.64
475	164	524	7.28	-15.41	-224.58	-180.96	-59.04	-84.98	4.95	-4.16	0.61	0.17-4.55
		525	7.16	-15.93	-220.65	-177.19	-59.39	83.72	7.23	-5.18	1.84	0.21-6.15
		237	3.71	51.38	-74.88	15.79	-39.29	-56.80	7.53	-3.42	0.72	3.39-5.31
		236	3.63	51.78	-71.62	18.55	-38.40	54.74	4.97	-4.02	-0.02	0.97-4.46
475	183	524	8.03	-18.43	-225.44	-184.50	-59.38	-82.46	-47.46	-416.84	-48.98	-415.3223.66
		525	8.25	-14.89	-225.58	-180.74	-59.73	86.24	-49.43	-489.37	-50.16	-488.65-17.85
		237	5.57	49.11	-72.84	15.90	-39.63	-54.28	-75.29	-492.66	-75.30	-492.65 1.33
		236	5.43	54.01	-74.09	18.67	-38.74	57.26	-74.27	-421.26	-74.96	-420.5615.53
475	207	524	7.41	-16.61	-229.04	-186.62	-59.03	-84.92	6.27	-5.32	0.75	0.20-5.79
		525	7.33	-17.21	-225.87	-183.71	-59.37	83.79	9.04	-6.53	2.26	0.26-7.72
		237	3.69	50.12	-74.71	14.84	-39.43	-56.21	9.41	-4.41	0.90	4.10-6.72
		236	3.65	51.35	-72.29	17.50	-38.44	55.13	6.32	-5.10	8.45e-03	1.21-5.68
476	15	525	11.72	-36.55	-359.91	-310.82	-85.63	-116.03	67.15	-41.84	19.36	5.94-54.08
		526	8.82	-16.07	-251.78	-203.93	-63.92	94.81	78.25	-74.84	13.77	-10.35-75.59
		238	8.30	87.91	-173.84	-39.25	-46.68	-130.82	130.93	-7.51	25.42	98.01-58.94
		237	2.08	-9.82	-52.74	-19.13	-43.44	17.69	57.47	-38.62	1.41	17.44-47.37
476	81	525	14.37	-31.69	-335.05	-281.79	-84.95	-115.41	1116.47	-179.81	-168.42	1105.09120.94
		526	12.39	-10.76	-234.94	-181.58	-64.12	95.47	759.17	-303.75	-248.76	704.19235.42
		238	10.59	92.81	-160.24	-20.06	-47.37	-125.78	852.94	86.09	95.63	843.4085.02
		237	8.95	6.18	-52.63	-2.07	-44.38	20.43	1180.49	157.60	158.08	1180.02-22.05
476	145	525	10.36	-23.42	-253.52	-211.67	-65.28	-88.76	744.25	-119.35	-111.91	736.8279.80
		526	8.87	-7.32	-177.69	-135.62	-49.39	73.46	505.43	-201.75	-165.59	469.28155.76
		238	7.72	72.26	-121.36	-12.52	-36.58	-96.06	570.06	58.02	64.16	

563.9255.74
237 6.18 7.21 -40.53 1.00 -34.32 16.06 787.40 105.11 105.46
787.05-15.41
476 159 525 8.05 -22.03 -248.06 -204.80 -65.29 -88.92 26.93 -16.54 8.02
2.37-21.55
526 5.97 -6.11 -173.31 -129.87 -49.54 73.32 31.38 -29.94 5.64 -
4.20-30.26
238 5.85 73.33 -119.59 -9.44 -36.81 -95.48 52.81 -2.93 10.17
39.70-23.64
237 1.71 9.70 -40.57 3.73 -34.60 16.26 23.19 -15.01 0.79
7.39-18.81
476 164 525 7.35 -16.38 -227.04 -178.57 -64.84 -88.66 8.02 -4.57 2.77
0.69 -6.21
526 5.38 -0.15 -158.91 -109.23 -49.83 73.61 9.35 -8.81 1.86 -
1.32-8.94
238 5.52 78.61 -109.68 6.43 -37.51 -91.54 16.18 -0.76 3.00
12.42-7.04
237 1.94 23.50 -41.17 17.83 -35.51 18.29 7.13 -3.77 0.56
2.79-5.33
476 187 525 8.03 -20.21 -227.91 -182.84 -65.28 -85.62 92.10 -408.99 81.63 -
398.52-71.67
526 7.47 1.01 -164.88 -113.60 -50.27 76.66 153.49 -299.10 112.85 -
258.46-129.39
238 6.57 75.75 -106.83 6.86 -37.94 -88.50 -11.87 -282.64 -25.84 -
268.67-59.89
237 4.27 25.76 -43.32 18.38 -35.94 21.33 -56.51 -420.55 -56.77 -
420.30-9.60
476 210 525 7.22 -15.00 -222.47 -172.60 -64.87 -88.65 8.89 -5.19 2.96
0.75-6.96
526 5.24 1.91 -153.28 -101.56 -49.81 73.15 10.25 -9.70 1.98 -
1.42-9.83
238 5.58 80.25 -109.90 7.05 -36.70 -92.52 17.51 -1.01 3.25
13.25-7.79
237 1.95 24.33 -40.63 19.04 -35.33 17.78 7.84 -4.38 0.58
2.88-6.00
477 15 526 10.20 -48.32 -307.03 -218.63 -136.73 -122.70 170.06 -63.21 96.08
10.77-108.56
527 3.90 84.52 29.22 70.39 43.35 24.12 -114.07 -279.54 -279.53 -
114.080.69
239 9.54 -30.18 -296.09 -168.07 -158.21 -132.86 238.87 41.27 58.98
221.16-56.45
238 4.69 81.85 -43.13 -5.26 43.98 -57.44 142.22 -30.11 2.25
109.86-67.30
477 79 526 12.34 -49.40 -308.16 -220.65 -136.91 -122.42 582.46 314.20 373.08
523.59111.03
527 3.68 83.19 28.29 68.31 43.17 24.40 161.78 -174.18 -70.63
58.23155.13
239 10.07 -30.49 -295.83 -167.93 -158.39 -132.58 366.70 92.47 99.36
359.81-42.92
238 6.03 81.53 -42.79 -5.05 43.79 -57.16 589.27 110.47 110.74
589.00 11.38
477 144 526 9.05 -35.71 -232.01 -162.96 -104.76 -93.74 387.31 212.02 250.18
349.1472.34
527 2.63 66.44 24.67 57.79 33.32 16.92 105.22 -119.90 -51.71
37.03103.45
239 7.47 -25.86 -222.06 -126.48 -121.44 -98.07 248.03 61.93 66.71
243.24-29.45
238 4.27 63.23 -29.23 0.61 33.39 -43.23 394.73 73.96 74.09
394.60 6.52
477 159 526 7.08 -27.28 -215.86 -140.26 -102.88 -92.42 67.68 -25.50 38.24
3.93-43.32
527 2.91 78.19 31.11 75.55 33.74 10.82 -45.64 -112.84 -112.84 -
45.650.34
239 6.39 -33.49 -204.37 -117.78 -120.07 -85.43 94.88 14.84 21.69
88.04-22.38
238 2.93 65.65 -18.00 15.15 32.50 -40.92 57.85 -11.13 1.87
44.84-26.98
477 164 526 6.52 -18.66 -201.37 -118.91 -101.12 -90.92 19.40 -7.82 10.97
0.60-12.59

	527	2.90	92.34	33.63	91.92	34.04	4.90	-13.44	-34.70	-34.70	-
13.450.19											
	239	5.68	-41.14	-186.68	-108.99	-118.83	-72.61	26.97	1.88	3.57	
25.28-6.29											
	238	2.55	69.08	-7.77	29.83	31.48	-38.42	18.43	-1.93	1.99	
14.51-8.02											
477 166	526	7.29	9.27	-202.15	-89.71	-103.16	-105.49	189.06	13.55	13.84	
188.77-7.08											
	527	4.08	120.72	30.95	119.66	32.00	-9.67	78.83	-61.36	-33.95	
51.4155.61											
	239	6.57	-31.12	-205.55	-115.80	-120.87	-87.18	77.36	3.43	3.47	
77.31-1.89											
	238	3.70	80.01	-26.08	24.49	29.44	-52.99	190.01	3.73	3.97	
189.76-6.72											
477 207	526	6.63	-22.11	-205.59	-126.32	-101.38	-90.89	23.89	-9.68	13.38	
0.82-15.57											
	527	2.51	78.05	29.72	75.39	32.38	11.02	-16.73	-42.13	-42.13	-
16.730.01											
	239	5.73	-31.84	-184.88	-100.05	-116.68	-76.06	33.28	1.80	3.92	
31.16-7.89											
	238	2.42	63.88	-8.38	27.54	27.96	-36.13	22.58	-2.42	2.54	
17.62-9.97											
478 15	221	164.35	2077.88	-3033.06	854.34	-1809.52	-2180.92	1740.92	-1365.63	-1163.67	
1538.96765.90											
	244	8.27	-0.94	-185.46	-58.48	-127.93	-85.48	848.17	304.15	419.43	
732.88-222.32											
	529	26.88	269.94	-543.22	105.32	-378.60	-326.74	274.55	-366.42	264.92	-
356.78-77.98											
	509	151.15	2502.94	-2302.06	1968.91	-1768.03	1510.24	-242.85	-2332.52	-2006.64	-
568.72-758.14											
478 35	221	164.87	2069.19	-3032.01	851.98	-1814.80	-2174.31	2011.33	-1278.12	-1092.16	
1825.37759.69											
	244	10.13	-10.19	-183.78	-60.76	-133.21	-78.87	1108.37	432.06	496.49	
1043.95-198.54											
	529	25.45	261.02	-542.80	102.11	-383.88	-320.14	417.15	-35.71	412.91	-
31.47-43.61											
	509	151.96	2503.48	-2311.29	1965.50	-1773.31	1516.84	29.30	-2161.49	-1864.05	-
268.14-750.44											
478 122	221	110.24	1378.82	-2034.23	565.37	-1220.77	-1454.18	1325.74	-854.22	-729.25	
1200.77506.76											
	244	6.84	-5.22	-127.30	-40.13	-92.39	-55.16	733.79	281.15	326.93	
688.01-136.48											
	529	17.23	175.00	-369.85	66.31	-261.16	-217.73	276.58	-21.91	273.52	-
18.85-30.04											
	509	101.49	1668.04	-1547.23	1311.83	-1191.02	1009.17	25.86	-1441.33	-1242.08	-
173.39-502.63											
478 159	221	56.17	689.93	-1065.79	273.66	-649.51	-746.71	516.79	-465.16	-392.77	
444.40256.60											
	244	3.40	6.36	-82.13	-17.90	-57.87	-39.47	268.14	64.88	122.55	
210.46-91.63											
	529	10.09	94.30	-215.13	27.63	-148.46	-127.22	85.50	-114.51	80.87	-
109.88-30.07											
	509	51.17	830.55	-794.69	662.66	-626.81	494.64	-54.06	-778.94	-666.24	-
166.76-262.66											
478 164	221	3.80	-4.02	-97.38	-19.62	-81.78	-34.83	-8.56	-121.09	-8.61	-
121.042.29											
	244	1.93	12.38	-36.44	2.81	-26.88	-19.38	-10.87	-79.28	-30.45	-
59.70-30.92											
	529	2.21	8.60	-61.07	-13.19	-39.28	-32.30	17.65	-14.82	-13.13	
15.97-7.20											
	509	2.75	14.20	-69.09	11.22	-66.11	-15.48	47.46	-2.54	4.66	
40.26-17.56											
478 180	221	3.56	-7.92	-100.59	-23.11	-85.41	-34.30	73.39	58.33	59.79	
71.92 4.46											
	244	2.26	8.35	-39.65	-0.79	-30.51	-18.85	171.42	45.46	45.73	
171.15-5.86											
	529	3.53	9.43	-62.19	-9.85	-42.90	-31.77	265.29	114.15	121.09	
258.3531.64											
	509	3.87	17.29	-72.30	14.72	-69.74	-14.95	244.69	131.12	131.13	
244.68-0.88											

478 202 106.4423.19	221	3.76	-5.06	-101.73	-19.63	-87.16	-34.59	4.99	-111.27	0.17	-
	244	2.62	12.99	-35.77	3.20	-25.98	-19.53	233.20	49.81	50.35	
232.66 9.91											
	529	4.26	9.36	-62.87	-13.06	-40.46	-33.42	303.57	-105.68	-99.91	
297.8048.25											
	509	5.89	14.05	-67.40	11.64	-64.99	-13.81	654.19	353.83	356.83	
651.2029.83											
479 7 558.47-9.71	239	8.50	-1.48	-148.77	-1.98	-148.27	-8.57	-49.03	-558.66	-49.22	-
	262	5.99	10.80	-70.77	0.86	-60.83	-26.69	-189.51	-610.44	-209.77	-
590.17-90.11											
	530	5.23	37.10	-67.71	10.12	-40.73	-45.82	-16.73	-415.63	-21.04	-
411.32-41.26											
	527	6.57	26.32	-98.50	20.70	-92.88	25.89	-278.16	-600.98	-287.61	-
591.53-54.42											
479 81 720.1855.57	239	9.53	-7.77	-177.03	-34.36	-150.45	-61.59	-85.14	-725.05	-90.01	-
	262	7.38	32.73	-128.04	-33.26	-62.05	-79.08	-359.70	-652.52	-362.01	-
650.21-25.86											
	530	6.42	87.24	-123.63	9.21	-45.60	-101.81	-228.02	-328.10	-236.29	-
319.8327.55											
	527	4.71	22.82	-95.35	15.35	-87.88	-28.76	-141.60	-254.21	-141.70	-
254.123.30											
479 145 539.4936.55	239	7.20	-7.64	-131.75	-23.89	-115.50	-41.87	-61.74	-542.28	-64.54	-
	262	5.49	21.51	-92.13	-23.02	-47.61	-55.47	-261.63	-497.54	-264.56	-
494.61-26.11											
	530	4.75	61.42	-89.43	6.70	-34.70	-72.53	-158.82	-255.76	-161.04	-
253.5314.52											
	527	3.71	15.07	-71.23	11.76	-67.92	-16.57	-120.74	-224.77	-120.86	-
224.65-3.54											
479 158 437.05-5.05	239	6.53	-4.61	-114.14	-4.96	-113.79	-6.20	-35.75	-437.12	-35.81	-
	262	4.55	4.92	-55.06	-3.30	-46.85	-20.63	-151.91	-466.79	-166.89	-
451.81-67.03											
	530	3.91	26.49	-52.88	5.71	-32.10	-34.89	-19.61	-306.99	-22.64	-
303.96-29.36											
	527	4.82	17.68	-74.69	13.40	-70.40	19.43	-195.70	-431.00	-203.42	-
423.28-41.92											
479 164 445.25-3.71	239	6.56	-7.04	-114.37	-7.38	-114.03	-6.06	-33.99	-445.28	-34.02	-
	262	4.55	2.34	-55.48	-6.32	-46.82	-20.64	-159.37	-473.31	-174.16	-
458.53-66.50											
	530	3.87	25.34	-53.42	4.20	-32.27	-34.90	-23.39	-305.31	-26.38	-
302.32-28.87											
	527	4.74	15.91	-74.46	11.47	-70.02	19.52	-189.67	-422.53	-197.92	-
414.28-43.04											
479 173 605.29-13.54	239	7.72	-8.94	-120.96	-9.02	-120.88	2.98	-67.51	-605.63	-67.86	-
	262	5.61	-4.84	-56.43	-7.60	-53.68	-11.60	-192.81	-646.29	-210.21	-
628.89-87.12											
	530	4.72	12.39	-52.12	-0.60	-39.13	-25.87	-83.71	-485.84	-91.08	-
478.46-53.97											
	527	5.90	15.09	-85.75	6.22	-76.88	28.56	-250.70	-589.72	-260.40	-
580.02-56.54											
479 206 449.24-8.07	239	6.66	-7.46	-117.05	-7.71	-116.80	-5.27	-38.95	-449.40	-39.11	-
	262	4.89	1.04	-56.96	-7.23	-48.69	-20.27	-167.86	-522.48	-184.62	-
505.72-75.25											
	530	4.26	23.77	-54.47	2.55	-33.25	-34.78	-7.48	-361.00	-11.49	-
356.98-37.46											
	527	5.40	14.81	-77.12	9.71	-72.01	21.06	-254.98	-538.88	-264.07	-
529.78-50.00											
480 7 74.89-3.80	241	5.67	-11.29	-159.84	-12.39	-158.74	-12.74	6.63	-75.06	6.46	-
	264	3.73	5.58	-76.30	-0.85	-69.87	-22.02	3.35	-250.26	-25.10	-
221.8080.04											
	531	3.99	18.96	-87.96	2.84	-71.85	-38.26	-2.68	-131.26	-2.73	-

131.22-2.34											
	528	4.55	20.72	-98.05	19.42	-96.74	12.38	34.97	-112.23	33.70	-
110.9513.65											
480 59	241	7.15	-16.05	-145.26	-18.27	-143.03	16.81	436.86	105.31	106.17	
436.0016.89											
	264	3.85	-5.35	-57.98	-5.58	-57.76	3.46	339.26	38.44	59.81	
317.8977.28											
	531	4.38	-14.01	-62.14	-16.42	-59.73	-10.50	411.38	84.35	89.03	
406.7138.83											
	528	5.20	10.02	-96.91	-2.42	-84.48	34.28	391.02	102.03	110.90	
382.1549.83											
480 134	241	5.22	-13.38	-112.49	-14.38	-111.49	9.91	284.31	70.82	71.39	
283.7510.95											
	264	2.70	-4.49	-45.55	-4.49	-45.55	-7.80e-03	209.86	15.90	36.20	
189.5559.38											
	531	3.13	-8.27	-50.17	-11.31	-47.12	-10.88	261.89	55.52	58.79	
258.6225.76											
	528	3.73	7.70	-73.97	-0.13	-66.14	24.04	250.61	69.99	76.85	
243.7634.52											
480 158	241	4.22	-12.53	-121.91	-13.42	-121.03	-9.80	5.74	-49.84	5.62	-
49.71-2.65											
	264	2.75	1.86	-58.38	-3.52	-53.00	-17.18	-0.97	-186.03	-22.95	-
164.0459.87											
	531	2.97	12.21	-67.51	-0.56	-54.74	-29.24	-2.77	-94.42	-2.79	-
94.40-1.42											
	528	3.39	13.74	-74.65	12.79	-73.70	9.09	24.98	-82.14	24.05	-
81.229.91											
480 164	241	4.19	-15.61	-121.92	-16.50	-121.02	-9.72	4.62	-52.02	4.53	-
51.92-2.34											
	264	2.73	-0.10	-58.56	-5.80	-52.86	-17.34	-6.06	-189.28	-27.53	-
167.8058.93											
	531	2.93	10.30	-67.80	-2.75	-54.75	-29.14	-4.23	-93.90	-4.24	-
93.89-0.95											
	528	3.35	12.03	-74.60	11.10	-73.68	8.92	22.75	-83.47	21.86	-
82.589.71											
480 169	241	5.33	-16.40	-124.09	-16.84	-123.66	-6.84	-33.79	-232.07	-33.80	-
232.061.22											
	264	3.88	-2.06	-59.41	-5.98	-55.50	-14.46	-51.84	-359.80	-65.90	-
345.7464.28											
	531	3.90	11.24	-67.43	1.19	-57.38	-26.25	-38.07	-270.98	-38.13	-
270.923.76											
	528	4.59	16.40	-77.82	14.90	-76.32	11.80	-11.79	-262.47	-12.44	-
261.8112.79											
480 210	241	5.43	-15.36	-121.49	-16.36	-120.48	-10.27	-36.68	-259.09	-36.68	-
259.08-1.20											
	264	3.97	0.81	-57.72	-5.05	-51.86	-17.57	-59.47	-386.48	-70.06	-
375.8957.89											
	531	3.01	11.98	-67.22	-1.09	-54.16	-29.39	-6.26	-107.78	-6.26	-
107.78-0.28											
	528	3.46	14.07	-73.97	13.24	-73.14	8.51	20.39	-97.96	19.63	-
97.209.46											
481 15	244	28.75	360.87	-594.53	110.89	-344.55	-419.93	514.02	83.01	93.55	
503.48-66.59											
	267	4.75	112.33	-23.97	74.65	13.70	-60.96	-60.38	-234.42	-170.85	-
123.95-83.80											
	532	7.91	52.84	-138.83	4.03	-90.02	-83.51	244.57	-219.49	-26.65	
51.73-228.70											
	529	24.09	337.50	-478.81	335.66	-476.96	38.76	66.28	-408.93	-139.27	-
203.38-235.43											
481 57	244	30.64	363.40	-603.86	107.99	-348.45	-426.40	843.74	142.96	144.18	
842.52-29.19											
	267	5.27	115.35	-33.27	72.27	9.80	-67.43	281.92	-131.17	-111.33	
262.08-88.34											
	532	7.59	58.36	-147.09	5.20	-93.92	-89.98	496.18	-137.16	-60.24	
419.26-206.88											
	529	25.72	337.68	-482.14	336.41	-480.86	32.28	200.64	-265.66	-182.10	
117.09-178.83											
481 133	244	20.63	244.14	-409.09	71.97	-236.93	-287.79	558.20	93.46	94.62	
557.04-23.16											

	267	3.69	80.71	-22.11	50.12	8.49	-47.01	195.83	-86.79	-72.36	
181.40-62.21											
	532	5.27	40.46	-101.92	1.49	-62.95	-63.48	335.48	-89.84	-38.15	
283.79-138.97											
	529	17.22	223.74	-325.21	223.11	-324.58	18.52	135.83	-178.21	-122.22	
79.84-120.20											
481 159	244	10.45	128.25	-225.90	36.87	-134.53	-154.95	158.87	14.08	24.82	
148.13-37.94											
	267	2.27	53.76	-7.77	33.14	12.86	-29.05	14.77	-76.75	-49.06	-
12.92-42.04											
	532	3.47	25.15	-63.64	-7.03	-31.46	-42.68	100.19	-65.09	-0.34	
35.44-80.68											
	529	8.42	106.96	-176.03	106.96	-176.03	0.15	27.74	-137.87	-49.89	-
60.24-82.64											
481 164	244	2.29	14.14	-49.03	-0.16	-34.73	-26.43	7.18	-53.17	-11.23	-
34.76-27.78											
	267	1.39	30.00	-0.81	14.56	14.63	-15.40	62.79	1.24	13.92	
50.11-24.89											
	532	1.67	18.23	-35.58	-14.78	-2.56	-26.20	35.17	12.02	15.08	
32.11-7.85											
	529	1.60	5.56	-44.32	-8.69	-30.07	-22.53	15.80	-8.58	-6.12	
13.33-7.35											
481 176	244	3.00	16.81	-56.42	-2.33	-37.29	-32.17	188.46	19.59	19.73	
188.32-4.97											
	267	2.66	33.57	-8.72	12.78	12.06	-21.14	310.41	48.24	50.94	
307.71-26.46											
	532	2.69	22.74	-41.74	-13.88	-5.12	-31.94	278.05	-7.11	-6.82	
277.76 9.15											
	529	3.25	10.45	-51.19	-8.11	-32.63	-28.27	228.29	-38.50	-34.56	
224.35 32.17											
481 202	244	3.23	14.61	-49.64	0.36	-35.39	-26.69	258.60	23.85	23.85	
258.60 0.33											
	267	3.25	30.69	-0.53	15.49	14.67	-15.60	439.90	86.31	88.43	
437.78-27.29											
	532	2.48	18.52	-36.05	-14.70	-2.82	-26.63	247.53	0.77	1.18	
247.12-10.06											
	529	3.33	5.89	-44.77	-8.57	-30.31	-22.88	312.49	11.05	13.15	
310.3925.05											
482 7	262	5.72	23.90	-67.41	7.01	-50.52	-35.45	-65.05	-516.60	-79.96	-
501.69-80.70											
	285	3.14	42.68	9.40	27.45	24.62	-16.58	-82.16	-411.51	-85.10	-
408.57-30.98											
	533	2.94	30.53	-34.72	-5.78	1.59	-32.42	-13.78	-341.38	-14.19	-
340.97-11.59											
	530	4.62	16.50	-56.27	6.51	-46.29	-25.04	-83.37	-440.21	-84.53	-
439.05-20.29											
482 81	262	6.81	55.22	-116.47	-10.77	-50.47	-83.52	-100.13	-505.86	-100.71	-
505.28-15.33											
	285	5.05	84.23	-58.34	3.13	22.76	-70.61	2.32	-346.02	2.30	-
346.00-2.87											
	533	5.65	74.49	-91.63	-18.18	1.05	-82.50	-6.52	-328.30	-8.49	-
326.3225.15											
	530	5.14	50.95	-109.13	-12.50	-45.69	-78.30	-51.59	-301.28	-62.92	-
289.9551.98											
482 141	262	5.06	35.06	-73.82	-0.42	-38.34	-51.03	-38.30	-383.80	-45.58	-
376.52-49.64											
	285	3.22	54.27	-19.90	15.10	19.27	-37.03	-44.17	-334.93	-45.12	-
333.98-16.61											
	533	3.46	47.04	-50.60	-5.18	1.62	-48.70	-2.01	-287.50	-2.71	-
286.80-14.12											
	530	4.10	31.52	-63.22	3.33	-35.02	-43.32	-51.79	-319.99	-51.99	-
319.79-7.29											
482 162	262	4.42	17.48	-56.53	-0.21	-38.84	-31.57	-57.19	-396.16	-66.44	-
386.91-55.22											
	285	2.49	34.53	-1.91	13.97	18.66	-18.07	-50.85	-309.12	-52.85	-
307.12-22.65											
	533	2.48	25.97	-33.22	-8.31	1.06	-29.22	-10.25	-262.69	-10.51	-
262.44-8.07											
	530	3.48	12.47	-47.63	0.31	-35.47	-24.15	-63.29	-320.86	-63.69	-

320.46-10.08											
482 164	262	4.29	14.00	-52.48	0.47	-38.96	-26.76	-60.47	-398.73	-70.44	-
388.77-57.20											
	285	2.37	29.95	3.12	14.54	18.54	-13.26	-53.59	-303.98	-55.94	-
301.63-24.12											
	533	2.28	21.06	-28.68	-8.56	0.94	-24.41	-12.08	-256.95	-12.27	-
256.76-6.82											
	530	3.38	8.64	-44.05	0.18	-35.59	-19.34	-65.88	-322.75	-66.38	-
322.25-11.30											
482 174	262	5.64	17.78	-64.08	-2.78	-43.52	-35.50	-85.10	-568.99	-96.56	-
557.54-73.57											
	285	3.46	34.97	-9.08	11.90	13.98	-22.00	-82.45	-486.48	-84.30	-
484.63-27.25											
	533	3.51	25.79	-40.99	-11.58	-3.62	-33.15	-6.83	-433.71	-7.42	-
433.12-15.83											
	530	4.77	11.72	-55.35	-3.47	-40.15	-28.08	-56.49	-486.57	-58.81	-
484.25-31.57											
482 210	262	4.66	13.53	-54.92	-0.62	-40.76	-27.72	-66.33	-449.19	-76.65	-
438.88-62.00											
	285	2.73	30.04	0.97	13.72	17.28	-14.43	-66.30	-367.14	-68.19	-
365.25-23.77											
	533	2.57	21.01	-31.56	-10.48	-0.06	-25.76	-11.28	-299.22	-11.39	-
299.11-5.61											
	530	3.77	7.55	-46.05	-1.60	-36.91	-20.17	-69.70	-379.16	-70.56	-
378.30-16.28											
483 7	264	4.41	17.43	-81.75	7.04	-71.36	-30.37	-27.83	-300.10	-40.85	-
287.08 58.11											
	287	3.09	30.72	-7.66	21.96	1.10	-16.11	-114.95	-473.79	-119.53	-
469.2140.27											
	534	2.14	12.64	-45.24	-10.67	-21.92	-28.39	-55.10	-158.20	-56.89	-
156.4013.49											
	531	3.07	6.05	-68.88	-0.99	-61.85	-21.85	-9.39	-119.91	-9.51	-
119.803.59											
483 59	264	3.89	-10.35	-68.99	-10.58	-68.76	-3.66	276.55	4.61	29.28	
251.8878.10											
	287	1.61	21.43	-8.63	11.79	1.01	14.03	160.34	28.00	47.75	
140.5947.15											
	534	2.89	-19.24	-28.69	-26.36	-21.56	-4.07	377.09	49.92	56.84	
370.1747.07											
	531	4.39	-14.55	-61.31	-14.99	-60.87	4.53	424.78	84.22	88.58	
420.4238.29											
483 134	264	2.73	-6.77	-53.76	-7.44	-53.08	-5.59	161.88	-9.02	14.01	
138.8458.36											
	287	0.95	13.96	-3.84	9.28	0.83	7.83	72.51	-3.30	21.32	
47.8935.49											
	534	1.96	-12.09	-23.72	-19.20	-16.61	-5.67	236.46	26.91	32.27	
231.1033.08											
	531	3.07	-10.51	-46.90	-10.52	-46.88	0.81	272.21	54.77	57.98	
269.0126.20											
483 162	264	3.23	6.86	-64.55	-3.33	-54.37	-24.98	-29.55	-233.62	-41.98	-
221.1948.79											
	287	2.35	19.30	-7.86	10.31	1.13	-12.78	-76.29	-353.19	-80.07	-
349.42 32.11											
	534	1.69	9.29	-38.07	-11.97	-16.81	-23.56	-40.91	-125.59	-43.24	-
123.2613.86											
	531	2.29	2.64	-53.74	-3.78	-47.32	-17.91	-8.12	-88.12	-8.61	-
87.636.23											
483 164	264	3.20	6.25	-63.51	-2.96	-54.30	-23.62	-29.50	-229.87	-41.31	-
218.0647.18											
	287	2.28	18.31	-6.42	10.68	1.20	-11.42	-75.42	-347.21	-78.88	-
343.7530.45											
	534	1.62	7.85	-36.77	-12.18	-16.74	-22.20	-40.09	-119.70	-42.18	-
117.6212.71											
	531	2.24	1.62	-52.85	-3.99	-47.25	-16.55	-7.72	-84.86	-8.06	-
84.525.10											
483 174	264	4.36	9.39	-65.40	-2.63	-53.37	-27.47	-72.45	-418.64	-79.89	-
411.2050.22											
	287	3.49	22.59	-9.28	11.18	2.13	-15.28	-115.17	-541.80	-117.91	-
539.0634.06											

	534	2.67	14.59	-38.14	-7.74	-15.81	-26.05	-78.33	-313.70	-79.46	-
312.5716.27											
	531	3.43	7.66	-54.04	-0.06	-46.32	-20.41	-44.61	-277.60	-44.90	-
277.318.23											
483 210	264	4.41	6.77	-62.93	-2.77	-53.39	-23.95	-77.21	-433.28	-84.03	-
426.4648.83											
	287	3.45	18.94	-5.16	11.36	2.43	-11.20	-116.62	-550.40	-118.63	-
548.4029.43											
	534	1.64	9.12	-35.55	-10.49	-15.94	-22.17	-41.07	-133.10	-43.66	-
130.5115.22											
	531	2.32	3.58	-52.17	-2.00	-46.59	-16.72	-9.50	-98.82	-10.00	-
98.326.64											
484 15	267	7.47	145.22	-81.41	90.58	-26.77	-96.94	54.74	-156.70	-79.14	-
22.82-101.90											
	290	3.28	97.91	58.91	93.77	63.05	-12.01	42.12	-177.24	-80.79	-
54.32-108.88											
	535	3.15	26.03	-16.05	-6.33	16.31	-17.73	140.78	-210.10	-49.99	-
19.34-174.77											
	532	6.15	53.63	-111.31	42.66	-100.34	-41.10	144.42	-256.09	-85.28	-
26.39-198.08											
484 58	267	7.27	142.90	-86.72	87.21	-31.03	-98.42	374.47	-46.32	-19.98	
348.12-101.95											
	290	4.18	94.51	44.07	87.89	50.69	-17.03	335.80	-85.03	-26.18	
276.96-145.95											
	535	4.67	26.31	-16.80	-0.34	9.85	-20.94	401.24	-195.54	-88.50	
294.20-228.96											
	532	7.10	59.00	-113.35	47.87	-102.23	-42.35	422.61	-200.19	-111.19	
333.61-217.96											
484 133	267	5.28	104.25	-58.77	62.93	-17.45	-70.91	270.64	-28.22	-7.52	
249.94-75.88											
	290	3.23	72.72	39.97	66.66	46.03	-12.72	246.01	-53.09	-14.09	
207.01-100.72											
	535	3.52	22.84	-16.14	-5.55	12.25	-17.34	288.92	-118.61	-48.74	
219.05-153.60											
	532	4.66	38.22	-78.34	27.43	-67.55	-33.79	293.87	-130.33	-69.75	
233.29-148.41											
484 159	267	3.15	63.76	-28.84	38.34	-3.42	-41.32	54.44	-48.22	-16.52	
22.75-47.43											
	290	1.68	49.92	36.88	44.97	41.83	-6.33	46.22	-47.50	-21.21	
19.92-42.11											
	535	1.67	19.52	-15.58	-11.16	15.10	-11.65	78.60	-45.31	0.78	
32.51-59.89											
	532	2.40	17.36	-43.18	6.59	-32.41	-23.15	67.30	-78.57	-20.98	
9.71-71.30											
484 164	267	1.35	28.11	-4.02	14.38	9.71	-15.90	65.33	5.62	17.40	
53.56-23.75											
	290	1.49	37.95	22.97	24.20	36.73	-4.10	68.90	8.32	10.10	
67.12-10.26											
	535	1.37	19.92	-18.83	-15.97	17.06	-10.12	68.96	30.57	30.78	
68.74-2.88											
	532	1.21	12.52	-24.16	-13.46	1.82	-16.67	36.39	9.40	13.13	
32.66-9.31											
484 180	267	2.68	35.47	-11.00	15.17	9.30	-23.05	317.19	60.63	64.01	
313.81-29.24											
	290	3.06	43.37	18.34	25.39	36.32	-11.25	314.40	47.72	53.28	
308.84-38.10											
	535	3.14	24.16	-23.10	-15.59	16.65	-17.27	303.73	8.85	14.09	
298.48-38.97											
	532	2.72	19.02	-30.83	-13.22	1.41	-23.82	282.67	-1.31	0.40	
280.96-21.95											
484 202	267	3.10	28.90	-3.96	15.27	9.67	-16.19	441.27	88.70	90.14	
439.82-22.49											
	290	3.30	37.60	23.83	25.24	36.19	-4.17	371.54	46.86	50.88	
367.52-35.92											
	535	3.10	19.61	-18.91	-15.74	16.44	-10.58	334.74	32.79	42.31	
325.22-52.78											
	532	2.33	12.76	-24.34	-13.38	1.81	-16.92	251.56	-0.41	1.50	
249.65-21.83											
485 15	285	3.52	53.70	-39.39	-0.61	14.92	-45.89	-39.28	-282.22	-39.33	-

282.173.54											
	308	3.40	60.19	-6.10	6.89	47.19	-26.31	7.79	-215.77	5.89	-
213.8720.55											
	536	3.64	41.11	-45.02	-26.17	22.26	-35.62	5.12	-200.55	-9.17	-
186.2652.29											
	533	3.85	33.27	-57.68	-25.18	0.78	-43.59	13.59	-240.21	-4.13	-
222.4864.69											
485 81	285	4.95	84.07	-55.76	7.89	20.42	-69.64	-93.85	-384.78	-93.85	-
384.77-1.03											
	308	4.86	88.59	-19.25	17.08	52.25	-50.97	-49.67	-329.39	-53.96	-
325.0934.39											
	536	5.24	66.57	-63.51	-24.59	27.65	-59.56	-26.92	-322.93	-36.65	-
313.2052.78											
	533	5.18	60.94	-77.87	-23.53	6.60	-67.75	-15.45	-318.72	-22.62	-
311.5546.08											
485 145	285	3.54	59.82	-37.24	7.19	15.40	-48.35	-70.91	-298.57	-70.98	-
298.49-4.08											
	308	3.50	63.51	-9.36	14.34	39.82	-34.14	-37.30	-250.81	-39.96	-
248.1423.69											
	536	3.77	46.62	-43.37	-17.69	20.94	-40.64	-21.42	-248.98	-27.80	-
242.6037.56											
	533	3.67	42.27	-54.08	-16.63	4.82	-46.97	-12.69	-245.36	-16.80	-
241.2530.65											
485 162	285	2.43	33.37	-4.81	14.58	13.98	-19.09	-65.85	-323.99	-68.12	-
321.73-24.09											
	308	2.59	39.87	20.39	22.29	37.97	-5.78	-35.19	-245.83	-35.52	-
245.508.30											
	536	2.64	23.41	-14.20	-10.21	19.42	-11.58	-26.08	-264.38	-27.68	-
262.7819.45											
	533	2.20	17.02	-20.98	-7.69	3.73	-18.12	-14.66	-257.95	-14.66	-
257.950.51											
485 164	285	2.30	28.42	-0.56	14.48	13.38	-14.48	-60.59	-317.37	-63.13	-
314.83-25.43											
	308	2.49	37.46	22.01	22.10	37.37	-1.17	-29.76	-235.76	-29.92	-
235.605.76											
	536	2.47	20.43	-11.31	-9.69	18.82	-6.97	-23.89	-254.88	-25.28	-
253.4917.83											
	533	2.02	12.48	-16.40	-7.05	3.13	-13.51	-12.87	-251.65	-12.87	-
251.65-0.49											
485 174	285	3.46	35.13	-11.30	12.61	11.22	-23.20	-97.19	-500.87	-98.91	-
499.15-26.31											
	308	3.54	40.20	15.58	20.57	35.20	-9.90	-61.70	-404.77	-62.66	-
403.8118.17											
	536	3.73	23.30	-20.45	-13.81	16.66	-15.69	-19.90	-418.60	-23.36	-
415.1436.99											
	533	3.33	17.81	-28.39	-11.55	0.97	-22.24	-16.53	-429.53	-16.63	-
429.43 6.47											
485 210	285	2.65	28.56	-2.92	13.57	12.07	-15.72	-72.81	-380.47	-75.02	-
378.26-25.98											
	308	2.74	36.74	20.96	21.39	36.31	-2.57	-34.74	-280.45	-35.14	-
280.06 9.83											
	536	2.84	20.26	-13.80	-11.47	17.93	-8.60	-25.92	-306.29	-28.49	-
303.7226.71											
	533	2.32	12.42	-19.16	-8.90	2.16	-14.79	-12.20	-294.19	-12.22	-
294.172.31											
486 5	287	3.27	26.50	-13.53	18.41	-5.44	-16.07	-100.79	-467.17	-104.48	-
463.4736.61											
	310	3.34	25.78	16.71	25.74	16.76	-0.64	-112.23	-491.60	-112.32	-
491.506.01											
	537	1.39	4.38	-16.00	-11.16	-0.47	-8.68	-71.51	-196.70	-72.54	-
195.6711.32											
	534	1.70	0.38	-31.37	-11.24	-19.74	-15.30	-57.39	-171.09	-59.73	-
168.7616.13											
486 73	287	3.58	36.05	-21.71	20.63	-6.28	-25.56	-100.32	-494.55	-106.34	-
488.5248.36											
	310	3.64	33.71	9.91	27.89	15.73	-10.22	-116.72	-534.61	-117.49	-
533.8417.99											
	537	1.95	13.81	-23.16	-7.92	-1.43	-18.20	-76.79	-248.40	-79.04	-
246.1419.55											

	534	2.13	11.29	-39.83	-7.99	-20.55	-24.78	-58.88	-206.52	-63.03	-
202.3724.40											
486 141	287	2.69	26.36	-15.86	15.20	-4.70	-18.62	-76.42	-374.99	-80.82	-
370.5935.99											
	310	2.75	24.62	8.40	20.81	12.21	-6.88	-88.27	-404.04	-88.77	-
403.5412.59											
	537	1.44	9.51	-17.16	-6.69	-0.97	-13.02	-57.91	-184.61	-59.51	-
183.0114.14											
	534	1.58	7.40	-29.87	-6.79	-15.67	-18.10	-44.54	-154.16	-47.59	-
151.1018.03											
486 162	287	2.39	18.75	-11.59	11.14	-3.98	-13.15	-71.88	-345.64	-75.15	-
342.3829.70											
	310	2.51	17.51	12.16	16.89	12.77	-1.70	-79.32	-365.26	-79.45	-
365.136.04											
	537	1.14	4.18	-14.55	-10.15	-0.23	-7.95	-51.34	-150.57	-52.25	-
149.679.44											
	534	1.31	0.52	-26.05	-10.57	-14.95	-13.11	-40.13	-129.40	-42.52	-
127.0114.41											
486 164	287	2.34	17.48	-10.46	10.85	-3.83	-11.89	-71.45	-339.79	-74.43	-
336.8128.11											
	310	2.46	16.65	12.86	16.60	12.92	-0.44	-78.24	-357.43	-78.31	-
357.364.47											
	537	1.06	3.17	-13.80	-10.55	-0.09	-6.68	-50.37	-142.64	-51.12	-
141.898.29											
	534	1.25	-0.90	-24.88	-10.97	-14.80	-11.84	-39.67	-123.59	-41.82	-
121.4413.25											
486 174	287	3.52	22.11	-11.21	13.16	-2.26	-14.76	-106.86	-533.39	-109.03	-
531.2230.30											
	310	3.64	20.80	12.74	19.06	14.48	-3.32	-111.55	-545.71	-111.65	-
545.616.53											
	537	2.21	7.90	-12.76	-6.34	1.48	-9.56	-84.06	-330.91	-84.76	-
330.2113.11											
	534	2.36	4.98	-25.13	-6.91	-13.24	-14.72	-75.33	-317.29	-76.71	-
315.9218.18											
486 210	287	3.54	18.13	-9.31	11.49	-2.67	-11.75	-113.01	-543.76	-115.01	-
541.7629.30											
	310	3.69	17.41	14.09	17.41	14.09	-0.04	-117.39	-556.29	-117.42	-
556.273.28											
	537	1.13	3.93	-11.99	-8.92	0.86	-6.28	-49.80	-152.73	-51.30	-
151.2212.35											
	534	1.28	0.39	-23.56	-9.23	-13.94	-11.74	-40.11	-136.92	-42.96	-
134.0816.34											
487 15	290	3.63	102.70	41.98	92.11	52.56	-23.04	83.69	-154.77	-41.06	-
30.01-119.10											
	313	3.69	105.12	48.29	93.56	59.85	22.87	-14.14	-114.46	-72.46	-
56.14-49.49											
	538	2.53	14.42	-11.62	-11.48	14.29	1.90	202.70	-162.35	74.20	-
33.84-174.35											
	535	2.48	30.46	-0.65	-0.40	30.21	2.78	133.56	-237.79	-83.37	-
20.86-183.03											
487 43	290	5.71	62.31	13.05	35.81	39.54	-24.56	709.61	166.00	178.67	
696.95-82.00											
	313	3.49	52.58	37.72	48.32	41.98	6.72	395.07	8.18	10.63	
392.61-30.72											
	538	4.58	4.37	-34.70	-25.21	-5.13	-16.76	738.76	273.37	279.47	
732.66-52.93											
	535	5.84	42.26	-15.66	-14.91	41.50	-6.58	715.42	175.35	212.69	
678.08-137.01											
487 126	290	4.01	46.42	10.97	26.61	30.78	-17.60	484.36	116.92	125.58	
475.70-55.76											
	313	2.41	41.25	27.80	36.39	32.65	6.46	254.42	-2.93	-1.36	
252.86-20.03											
	538	3.20	2.42	-25.99	-19.98	-3.59	-11.60	515.93	192.54	195.87	
512.60-32.64											
	535	4.10	32.60	-12.28	-11.96	32.28	-3.77	484.84	116.66	142.19	
459.32-93.52											
487 161	290	2.05	39.37	15.00	21.73	32.64	-10.89	164.66	60.81	63.95	
161.52-17.76											
	313	1.52	46.64	20.22	32.34	34.51	13.17	-2.70	-51.01	-50.97	-

2.74-1.30
538 1.67 -0.66 -24.12 -23.05 -1.73 -4.89 248.04 95.93 96.50
247.46 9.35
535 2.20 34.32 -14.72 -14.54 34.14 2.94 144.37 21.92 30.80
135.49-31.76
487 164 290 1.58 37.97 15.65 20.51 33.10 -9.22 84.86 46.66 48.54
82.98-8.26
313 1.75 48.11 18.20 31.33 34.98 14.84 -61.25 -68.76 -63.38 -
66.643.38
538 1.35 -0.81 -24.27 -23.82 -1.26 -3.22 184.67 68.17 71.66
181.1819.85
535 1.81 35.03 -15.61 -15.19 34.61 4.62 59.26 -1.78 2.95
54.53-16.32
487 180 290 3.15 46.30 11.03 25.17 32.15 -17.28 329.65 80.95 86.84
323.76-37.82
313 1.77 41.45 27.84 35.26 34.03 6.78 134.38 -34.62 -33.44
133.21-14.06
538 2.58 2.70 -28.12 -23.21 -2.21 -11.28 387.85 132.22 132.96
387.11-13.81
535 3.27 33.90 -15.06 -14.82 33.66 -3.45 317.46 56.67 72.62
301.51-62.49
487 202 290 3.35 38.82 15.19 20.86 33.15 -10.09 386.55 111.15 119.12
378.58-46.17
313 1.65 46.07 15.87 33.17 28.77 14.94 -7.08 -51.19 -43.10 -
15.17-17.07
538 4.07 -1.14 -25.96 -23.24 -3.86 -7.76 675.04 353.12 360.11
668.06-46.91
535 3.83 35.96 -15.49 -14.86 35.33 5.68 318.04 -92.13 -74.38
300.28-83.47
488 5 308 3.44 50.68 23.99 27.71 46.96 -9.25 -148.01 -352.66 -148.15 -
352.525.30
331 2.29 59.59 18.60 45.24 32.96 19.55 91.82 -30.79 87.27 -
26.2423.17
556 3.74 6.96 -24.23 -20.96 3.69 -9.55 -212.57 -571.19 -219.46 -
564.2949.24
536 4.02 49.95 -9.86 -7.15 47.23 12.45 50.16 -335.51 40.46 -
325.8160.40
488 81 308 5.10 93.89 -26.25 16.73 50.92 -57.59 -65.70 -345.84 -67.99 -
343.5625.20
331 3.09 63.27 5.21 32.26 36.22 -28.96 165.05 -154.73 159.04 -
148.7243.42
556 5.69 50.40 -79.98 -42.25 12.67 -59.12 70.11 -281.30 25.38 -
236.57117.13
536 5.69 62.03 -48.11 -31.97 45.89 -38.95 140.36 -299.73 119.52 -
278.8993.46
488 145 308 3.67 67.29 -15.19 13.44 38.66 -39.27 -58.42 -264.95 -59.84 -
263.5217.11
331 2.07 43.80 9.08 25.48 27.40 -17.33 119.31 -106.85 114.95 -
102.4931.09
556 4.05 34.03 -55.70 -30.56 8.89 -40.29 26.00 -240.18 -3.00 -
211.1882.94
536 4.11 44.35 -31.56 -22.39 35.18 -24.73 98.13 -232.20 83.42 -
217.4968.13
488 162 308 2.68 41.37 12.57 17.94 36.00 -11.22 -100.94 -266.27 -101.07 -
266.154.61
331 1.56 38.25 17.22 30.45 25.01 10.15 78.95 -35.33 75.10 -
31.4820.60
556 2.88 8.44 -24.24 -19.76 3.96 -11.24 -128.96 -401.90 -135.45 -
395.4141.60
536 3.15 35.52 -10.21 -9.74 35.05 4.63 49.03 -250.70 41.57 -
243.2546.68
488 164 308 2.55 37.50 15.05 17.16 35.38 -6.56 -108.85 -258.69 -108.89 -
258.652.35
331 1.63 42.14 12.03 29.78 24.39 14.82 69.65 -27.80 66.92 -
25.0716.09
556 2.73 5.21 -19.86 -17.99 3.34 -6.58 -144.21 -406.15 -149.35 -
401.0136.35
536 2.98 36.37 -10.02 -8.08 34.43 9.29 35.05 -243.75 28.03 -
236.7343.68

488 174	308	3.62	43.23	7.11	17.30	33.04	-16.26	-131.34	-425.78	-132.10	-
425.0214.94											
	331	1.63	32.28	19.50	29.72	22.05	5.12	52.33	-164.24	49.75	-
161.6523.51											
	556	3.73	8.95	-32.34	-24.40	1.01	-16.28	-175.43	-539.77	-183.78	-
531.4254.51											
	536	4.07	32.09	-14.00	-14.00	32.09	-0.40	-0.90	-418.04	-12.43	-
406.5168.40											
488 210	308	2.80	37.47	13.17	16.32	34.32	-8.17	-116.69	-301.81	-117.11	-
301.408.78											
	331	1.57	40.08	12.32	29.37	23.04	13.52	67.53	-26.30	63.60	-
22.3718.80											
	556	3.25	5.35	-22.73	-19.47	2.08	-9.00	-197.84	-502.44	-204.99	-
495.2946.13											
	536	3.38	35.24	-11.24	-9.85	33.85	7.91	50.31	-294.13	41.29	-
285.1155.02											
489 5	310	3.28	25.48	15.08	25.31	15.25	-1.31	-109.68	-488.87	-109.77	-
488.78 5.94											
	333	3.29	33.70	7.30	24.34	16.66	12.63	-101.47	-457.78	-103.14	-
456.11-24.35											
	557	1.31	6.61	-17.13	-10.80	0.29	10.49	-68.34	-178.56	-68.36	-
178.54-1.73											
	537	1.23	0.03	-11.01	-10.48	-0.50	2.36	-71.27	-196.86	-72.05	-
196.089.91											
489 73	310	3.66	37.87	11.27	32.00	17.14	-11.03	-113.81	-531.72	-114.50	-
531.0317.04											
	333	3.50	31.71	17.90	31.12	18.50	2.81	-109.84	-510.53	-110.22	-
510.15-12.28											
	557	1.54	2.26	-5.58	-5.52	2.20	0.69	-74.71	-240.08	-75.08	-
239.717.85											
	537	1.68	6.20	-10.01	-5.26	1.45	-7.38	-74.54	-248.22	-76.62	-
246.1318.93											
489 141	310	2.76	27.42	9.14	23.55	13.01	-7.47	-86.18	-401.89	-86.64	-
401.4412.00											
	333	2.65	23.81	13.03	22.80	14.04	3.13	-82.75	-384.76	-83.12	-
384.39-10.64											
	557	1.14	1.86	-5.38	-5.04	1.52	1.54	-56.24	-177.27	-56.44	-
177.064.93											
	537	1.23	3.55	-7.48	-4.87	0.94	-4.69	-56.35	-184.48	-57.81	-
183.0113.61											
489 162	310	2.47	18.27	11.34	17.53	12.08	-2.14	-78.19	-363.54	-78.33	-
363.40 6.26											
	333	2.46	22.99	6.37	16.35	13.02	8.14	-72.63	-342.33	-73.69	-
341.27-16.86											
	557	1.02	4.00	-12.91	-9.54	0.63	6.75	-49.03	-138.54	-49.04	-
138.53-0.98											
	537	0.99	0.11	-9.60	-9.58	0.09	0.46	-50.57	-150.43	-51.34	-
149.678.73											
489 164	310	2.42	16.77	11.69	16.63	11.84	-0.85	-77.17	-355.72	-77.25	-
355.644.80											
	333	2.43	23.63	4.58	15.44	12.77	9.43	-71.05	-333.43	-72.34	-
332.14-18.39											
	557	1.01	4.72	-14.54	-10.22	0.39	8.04	-47.84	-129.50	-47.90	-
129.43-2.28											
	537	0.94	0.14	-10.54	-10.24	-0.15	1.75	-49.86	-142.55	-50.47	-
141.957.48											
489 174	310	3.60	20.38	14.06	20.34	14.11	-0.52	-111.03	-544.05	-111.09	-
543.99 5.11											
	333	3.50	27.07	7.12	19.15	15.04	9.76	-102.90	-508.16	-103.57	-
507.49-16.44											
	557	2.03	7.73	-11.14	-6.07	2.65	8.37	-76.89	-304.46	-76.99	-
304.36 4.72											
	537	2.12	2.61	-6.60	-6.10	2.11	2.08	-81.42	-330.63	-82.18	-
329.8713.72											
489 210	310	3.65	17.45	12.94	17.40	13.00	-0.49	-116.61	-554.88	-116.69	-
554.80 5.82											
	333	3.57	25.07	5.04	16.28	13.83	9.94	-108.61	-522.02	-109.54	-
521.09-19.57											
	557	1.03	6.30	-13.76	-8.79	1.34	8.66	-46.11	-133.81	-46.34	-

133.594.42											
	537	1.01	1.28	-9.07	-8.59	0.80	2.17	-49.07	-152.67	-50.53	-
151.2012.22											
490	5 538	4.86	99.77	79.39	84.55	94.61	-8.86	392.32	97.48	392.32	
97.48 -0.14											
	539	8.00	-20.72	-215.05	-67.95	-167.82	83.35	88.38	-173.21	-106.37	
21.54 -114.10											
	314	3.28	42.13	-45.51	40.13	-43.50	13.10	-27.29	-238.22	-70.19	-
195.32 -84.90											
	313	4.46	9.03	-98.92	-74.70	-15.19	45.03	48.67	-202.45	42.06	-
195.84 -40.19											
490	95 538	8.49	109.96	95.73	109.02	96.66	3.53	949.74	192.42	798.65	
343.52 -302.65											
	539	15.48	12.29	-208.80	-38.37	-158.13	92.92	1294.31	84.49	445.26	
933.54 -553.45											
	314	7.22	43.30	-45.17	35.69	-37.56	24.80	748.14	18.85	118.07	
648.92 -250.02											
	313	5.03	21.90	-107.74	-76.23	-9.61	55.61	126.27	-47.67	95.30	-
16.70 -66.54											
490	152 538	6.12	81.30	73.39	80.98	73.71	1.56	666.39	143.48	571.16	
238.71 -201.81											
	539	11.09	6.08	-160.09	-32.24	-121.77	70.00	871.54	39.02	286.06	
624.50 -380.31											
	314	5.01	32.88	-34.47	27.71	-29.30	17.93	486.90	-2.21	71.59	
413.10 -175.08											
	313	3.78	15.53	-81.45	-58.14	-7.78	41.44	87.27	-50.68	67.45	-
30.85 -48.39											
490	163 538	4.04	72.80	63.13	65.78	70.15	-4.31	352.71	99.09	346.02	
105.79 -40.66											
	539	6.86	-11.53	-156.77	-46.35	-121.95	62.01	226.41	-96.29	-7.59	
137.71 -144.07											
	314	2.40	31.25	-33.64	28.92	-31.31	12.07	53.89	-116.73	-28.50	-
34.34 -85.26											
	313	3.37	8.78	-73.84	-55.42	-9.64	34.38	43.44	-131.31	36.60	-
124.47 -33.90											
490	164 538	3.58	72.82	58.92	62.22	69.51	-5.92	290.47	72.71	290.47	
72.71 -0.36											
	539	5.84	-15.81	-156.76	-49.97	-122.59	60.40	65.51	-130.32	-80.85	
16.03 -85.09											
	314	2.42	31.09	-33.68	29.35	-31.95	10.46	-21.66	-178.13	-53.43	-
146.36 -62.94											
	313	3.29	7.05	-72.26	-54.93	-10.28	32.77	34.40	-152.91	29.38	-
147.89 -30.26											
490	196 538	5.17	86.33	70.65	85.18	71.80	4.09	489.15	107.26	436.39	
160.01 -131.77											
	539	9.16	10.96	-158.07	-26.81	-120.30	70.41	543.72	-21.40	112.25	
410.06 -240.14											
	314	3.90	33.33	-36.31	26.67	-29.66	20.47	273.66	-44.59	12.15	
216.92 -121.81											
	313	3.80	16.61	-82.39	-57.79	-7.99	42.78	62.35	-86.01	48.52	-
72.17 -43.14											
490	198 538	5.43	144.19	71.10	135.52	79.76	23.62	239.35	70.73	238.46	
71.62 -12.20											
	539	5.96	4.94	-150.97	-22.92	-123.11	59.73	58.64	-121.71	-76.33	
13.26 -78.26											
	314	2.53	46.12	-24.73	37.30	-15.90	23.40	-24.21	-169.33	-57.13	-
136.41 -60.78											
	313	4.05	-10.93	-102.22	-97.26	-15.88	20.69	40.73	-155.42	35.64	-
150.34 -31.16											
491	15 539	7.55	37.69	-181.85	-82.05	-62.10	-109.32	38.69	-139.63	-85.34	-
15.6082.06											
	540	9.12	7.76	-236.41	-145.57	-83.08	118.02	101.95	-113.20	-11.19	-
0.07107.43											
	315	2.78	-15.99	-73.33	-17.38	-71.94	-8.81	103.17	-115.81	-6.02	-
6.62109.49											
	314	6.56	43.35	-142.56	-18.25	-80.96	87.51	63.01	-113.99	-35.53	-
15.4587.93											
491	95 539	12.24	63.19	-148.05	-25.28	-59.58	-104.22	913.59	-481.20	-329.92	
762.31 -433.73											
	540	14.66	57.70	-200.03	-62.56	-79.78	128.58	1235.77	-296.61	-254.87	

1194.04-249.43
315 9.82 4.71 -73.55 -1.79 -67.04 -21.61 1217.09 166.60 169.04
1214.65-50.55
314 10.04 52.30 -128.94 -2.60 -74.03 83.28 744.03 -19.05 61.29
663.69-234.21
491 152 539 8.82 48.44 -115.17 -20.53 -46.20 -80.79 615.60 -329.12 -223.60
510.08-297.58
540 10.44 42.44 -153.37 -49.24 -61.70 97.70 825.03 -204.41 -174.99
795.61-171.52
315 6.75 3.77 -57.31 -1.61 -51.92 -17.32 805.37 108.10 110.11
803.36-37.39
314 7.19 39.04 -98.58 -2.23 -57.32 63.05 485.63 -22.98 36.49
426.16-163.43
491 163 539 6.21 47.43 -121.39 -26.08 -47.88 -83.70 165.37 -118.91 -66.80
113.26-109.99
540 6.61 32.09 -150.24 -54.99 -63.16 91.07 174.61 -83.45 -65.49
156.64-65.68
315 2.67 4.36 -60.93 -3.03 -53.54 -20.68 129.42 -0.64 6.46
122.32-29.56
314 4.62 32.68 -95.28 -3.56 -59.05 57.66 60.74 -92.23 -19.03 -
12.45-76.41
491 164 539 5.79 47.44 -123.60 -27.58 -48.58 -84.87 59.87 -73.20 -27.41
14.08-63.21
540 5.96 29.81 -150.15 -56.48 -63.86 89.90 22.40 -63.58 -38.07 -
3.10-39.27
315 2.57 4.93 -62.30 -3.14 -54.23 -21.85 -2.51 -64.88 -19.38 -
48.01-27.70
314 4.08 31.36 -94.76 -3.67 -59.74 56.49 -6.82 -148.16 -32.75 -
122.23-54.71
491 196 539 6.88 48.73 -109.36 -14.63 -45.99 -77.48 401.57 -195.72 -129.79
335.64-187.16
540 8.59 45.25 -150.15 -43.62 -61.28 97.30 531.33 -127.57 -108.67
512.44-109.97
315 4.85 0.74 -55.64 -3.25 -51.65 -14.46 504.25 61.35 63.65
501.96-31.80
314 6.01 38.81 -99.68 -3.71 -57.16 63.88 280.43 -35.22 11.44
233.77-112.03
491 200 539 6.14 33.65 -141.30 -58.88 -48.77 -87.33 67.38 -76.55 -25.65
16.48-68.81
540 6.10 19.68 -160.48 -77.24 -63.56 89.82 24.90 -70.20 -41.95 -
3.35-43.46
315 2.77 5.57 -66.17 -5.19 -55.41 -25.62 -2.77 -72.70 -21.47 -
54.00-30.95
314 3.80 24.34 -91.99 -3.55 -64.10 49.66 -6.36 -162.77 -34.88 -
134.25-60.39
492 15 540 8.60 7.80 -223.40 -141.96 -73.64 -110.44 98.44 -116.76 -16.82 -
1.50107.33
541 10.03 -5.25 -274.54 -202.99 -76.80 118.95 109.60 -106.43 3.83 -
0.66108.00
316 2.91 -25.40 -74.16 -28.64 -70.92 -12.14 119.48 -107.49 4.60
7.39113.47
315 6.82 41.76 -145.39 -26.06 -77.57 89.96 97.06 -115.18 -10.55 -
7.56106.11
492 103 540 11.19 11.49 -202.29 -121.29 -69.50 -103.71 1267.37 121.74 121.96
1267.1515.74
541 12.49 13.49 -255.73 -169.89 -72.35 125.46 1262.53 133.86 142.58
1253.8198.84
316 10.00 -11.15 -69.69 -15.35 -65.49 -15.11 1279.39 215.80 223.40
1271.7989.60
315 11.01 50.27 -137.23 -15.14 -71.82 89.36 1255.46 208.80 210.14
1254.1237.46
492 156 540 7.98 11.18 -153.60 -88.44 -53.97 -80.57 844.76 77.29 77.33
844.72 5.56
541 8.83 11.49 -191.52 -123.91 -56.12 95.68 840.94 88.41 93.74
835.61 63.11
316 6.93 -6.02 -55.02 -10.35 -50.69 -13.91 851.70 143.66 148.38
846.9857.62
315 7.73 37.47 -103.53 -10.56 -55.51 66.82 830.29 137.17 137.82
829.6321.28

492	159	540	5.58	17.86	-154.41	-79.53	-57.02	-85.39	6.80	-29.98	-22.49	-0.6914.81
		541	6.43	8.70	-180.74	-112.92	-59.11	90.82	21.40	-27.04	-4.32	-1.3224.17
		316	2.23	-2.01	-61.56	-10.05	-53.52	-20.35	27.82	-29.90	-0.83	-1.2528.86
		315	4.22	30.79	-99.75	-10.67	-58.29	60.77	-0.18	-42.92	-13.17	-29.9219.66
492	164	540	5.74	28.66	-142.81	-56.84	-57.31	-85.73	24.76	-54.89	-29.80	-0.33-37.00
		541	5.94	21.39	-160.40	-79.87	-59.14	90.30	15.33	-27.15	-9.88	-1.95-20.87
		316	2.56	11.91	-65.53	-0.89	-52.73	-28.77	10.50	-21.22	-4.17	-6.56-15.82
		315	3.80	30.24	-90.97	-3.50	-57.23	54.33	-0.86	-64.53	-17.04	-48.36-27.72
492	196	540	6.28	25.76	-132.94	-52.20	-54.98	-79.34	549.72	29.60	33.62	545.70-45.58
		541	7.32	31.12	-163.14	-75.21	-56.82	96.69	535.29	51.95	51.95	535.29 0.20
		316	5.14	8.26	-58.94	-0.28	-50.41	-22.38	537.43	91.10	91.11	537.42-2.09
		315	6.25	37.15	-94.96	-2.90	-54.91	60.72	506.66	77.72	79.97	504.42-30.93
492	200	540	6.00	19.04	-154.60	-78.37	-57.18	-86.17	27.63	-60.57	-32.67	-0.28-41.02
		541	6.11	14.13	-169.83	-96.66	-59.05	90.04	16.10	-29.89	-11.75	-2.05-22.48
		316	2.67	12.58	-67.78	-2.08	-53.12	-31.03	9.91	-24.73	-4.99	-9.83-17.15
		315	3.63	25.64	-88.82	-4.85	-58.33	50.60	-0.54	-72.33	-18.44	-54.44-31.06
493	15	541	9.68	-10.64	-265.97	-201.08	-75.53	-111.16	111.31	-107.90	4.12	-0.72109.58
		542	10.80	-17.36	-308.88	-249.80	-76.44	117.19	108.73	-97.37	12.59	-1.23102.82
		317	3.29	-28.97	-80.97	-41.17	-68.77	-22.04	123.57	-91.47	9.16	22.94107.30
		316	6.65	36.15	-143.14	-35.04	-71.95	87.73	115.92	-103.99	3.41	8.52109.93
493	103	541	12.27	-4.96	-237.92	-171.22	-71.66	-105.31	1293.16	239.00	255.64	1276.52131.42
		542	12.58	0.95	-277.47	-204.23	-72.29	122.59	1199.46	229.14	246.63	1181.98129.08
		317	9.56	-8.24	-77.50	-21.71	-64.04	-27.41	1209.69	236.76	244.74	1201.7187.76
		316	10.51	45.07	-129.81	-18.30	-66.44	84.06	1287.04	249.60	257.45	1279.1989.88
493	156	541	8.79	-1.44	-179.07	-124.93	-55.58	-81.76	861.18	158.86	169.24	850.8084.74
		542	8.92	2.18	-206.11	-147.90	-56.03	93.47	798.82	153.43	164.47	787.7883.68
		317	6.67	-2.63	-61.42	-14.46	-49.59	-23.57	807.20	158.36	163.27	802.2956.22
		316	7.36	33.63	-97.21	-12.27	-51.32	62.44	856.72	166.19	171.04	851.86 57.71
493	159	541	6.17	4.77	-175.99	-112.84	-58.38	-86.18	21.97	-26.77	-3.68	-1.1324.33
		542	6.63	0.46	-192.42	-133.18	-58.78	88.97	25.92	-22.80	4.39	-1.2724.19
		317	2.60	2.57	-68.51	-13.69	-52.24	-29.86	34.45	-18.42	3.51	12.5126.05
		316	3.93	27.30	-93.10	-11.96	-53.84	56.44	26.02	-28.52	-1.36	-1.1427.27
493	164	541	5.80	17.68	-157.13	-80.86	-58.59	-86.69	16.59	-27.07	-8.91	-1.57-21.52
		542	5.89	15.86	-162.72	-88.09	-58.77	88.08	17.23	-18.39	0.35	-1.51-17.78
		317	3.00	21.58	-73.27	0.06	-51.74	-39.73	22.28	-12.88	0.81	

8.59-17.15											
	316	3.42	28.04	-81.21	-0.49	-52.68	47.99	10.88	-22.31	-4.40	-
7.03-16.54											
493 196	541	6.82	13.52	-149.01	-77.87	-57.62	-80.63	545.85	101.11	101.52	
545.4413.56											
	542	7.00	23.68	-166.57	-85.09	-57.80	94.14	502.19	101.22	101.95	
501.45 17.17											
	317	5.18	17.52	-67.37	0.92	-50.77	-33.67	511.55	102.29	102.30	
511.54-2.42											
	316	5.91	34.31	-85.68	0.35	-51.71	54.05	539.96	105.89	105.90	
539.95-1.68											
493 204	541	6.03	10.74	-167.63	-98.34	-58.55	-86.94	16.74	-28.83	-10.49	-
1.61-22.35											
	542	6.05	9.90	-171.27	-102.65	-58.73	87.88	16.35	-18.36	-0.49	-
1.52-17.35											
	317	3.07	22.33	-74.89	-0.63	-51.93	-41.29	20.48	-13.19	0.49	
6.80-16.53											
	316	3.31	25.51	-79.82	-1.28	-53.03	45.87	9.64	-24.82	-5.05	-
10.12-17.04											
494 15	542	10.70	-19.66	-303.48	-247.16	-75.98	-113.19	110.20	-98.46	12.85	-
1.11104.10											
	543	11.29	-23.51	-330.31	-277.76	-76.05	115.59	98.33	-88.34	10.92	-
0.9393.14											
	318	3.74	-30.61	-96.62	-55.41	-71.82	-31.97	112.20	-80.14	5.39	
26.6795.58											
	317	6.01	20.70	-136.85	-46.69	-69.46	77.95	119.88	-88.13	8.48	
23.27103.74											
494 101	542	11.75	-21.99	-305.66	-254.08	-73.56	-109.41	745.97	123.28	159.57	
709.67145.89											
	543	12.81	-19.84	-338.46	-284.65	-73.64	119.37	697.98	116.66	148.80	
665.83132.86											
	318	6.72	-32.21	-90.77	-53.56	-69.41	-28.19	714.54	115.42	137.65	
692.32113.22											
	317	7.07	26.51	-138.44	-44.88	-67.05	81.73	757.98	124.48	149.54	
732.91123.49											
494 155	542	8.53	-13.85	-224.09	-181.07	-56.87	-84.82	495.97	83.35	106.41	
472.9094.79											
	543	9.09	-12.58	-244.18	-199.90	-56.87	91.08	464.12	78.50	98.86	
443.7686.24											
	318	4.84	-18.23	-71.62	-36.16	-53.69	-25.21	475.52	77.80	91.58	
461.7472.75											
	317	5.06	19.64	-101.16	-29.92	-51.59	59.42	505.47	84.03	99.78	
489.7279.95											
494 159	542	6.61	0.23	-190.87	-132.05	-58.59	-88.21	25.93	-22.79	4.40	-
1.2624.20											
	543	6.58	-1.45	-192.57	-135.63	-58.39	87.41	21.85	-20.50	2.21	-
0.8521.12											
	318	2.95	3.88	-79.72	-20.37	-55.47	-37.94	26.10	-15.35	1.04	
9.7120.27											
	317	3.34	16.43	-84.46	-15.59	-52.45	46.96	32.75	-17.07	3.20	
12.4724.48											
494 164	542	5.95	17.07	-163.42	-87.65	-58.69	-89.08	17.87	-19.23	0.21	-
1.57-18.53											
	543	5.66	19.58	-153.84	-75.95	-58.31	86.26	15.80	-19.28	-2.53	-
0.96-17.52											
	318	3.51	25.29	-84.28	-3.35	-55.64	-48.14	20.56	-20.45	-1.34	
1.45-20.46											
	317	2.94	19.26	-71.00	-0.04	-51.70	37.01	22.73	-13.75	0.67	
8.32-17.83											
494 196	542	6.80	12.18	-156.52	-86.65	-57.69	-83.10	502.31	103.63	104.09	
501.8613.43											
	543	6.87	26.56	-158.76	-74.90	-57.30	92.24	467.23	94.23	94.27	
467.19 3.61											
	318	5.18	21.04	-78.12	-2.46	-54.63	-42.16	469.12	91.14	91.46	
468.80-11.00											
	317	5.45	25.17	-75.06	0.80	-50.69	42.99	511.06	100.40	100.52	
510.94 -7.11											
494 204	542	6.13	11.42	-172.38	-102.28	-58.68	-89.28	17.03	-19.24	-0.63	-
1.57-18.13											

	543	5.77	14.12	-160.63	-88.22	-58.28	86.08	14.65	-18.35	-2.74	-0.97-16.48
	318	3.56	26.01	-85.67	-3.93	-55.74	-49.47	19.00	-19.55	-1.32	0.77-19.25
	317	2.85	17.47	-69.96	-0.64	-51.86	35.42	20.88	-14.04	0.34	6.51-17.19
495 15	543	11.30	-22.97	-326.69	-274.08	-75.58	-114.94	99.50	-90.02	10.26	-0.7894.60
	544	11.73	-25.58	-346.63	-296.86	-75.35	116.19	84.09	-80.13	3.14	0.8382.10
	319	3.83	-39.99	-106.69	-68.49	-78.19	-33.00	93.14	-77.32	-3.83	19.6684.42
	318	5.47	2.44	-135.77	-60.44	-72.89	68.82	107.61	-77.78	4.42	25.4192.10
495 101	543	12.12	-25.08	-330.76	-282.76	-73.08	-111.21	696.96	114.40	145.83	665.53131.62
	544	13.23	-22.11	-356.23	-305.49	-72.85	119.91	657.11	104.62	131.34	630.39118.53
	319	6.60	-41.63	-100.85	-66.79	-75.69	-29.28	667.74	103.89	122.73	648.89101.34
	318	6.72	8.19	-137.37	-58.79	-70.39	72.55	712.31	117.40	138.33	691.38109.61
495 155	543	8.75	-15.73	-239.14	-198.39	-56.47	-86.27	463.43	76.87	96.75	443.5685.37
	544	9.32	-13.81	-253.59	-211.15	-56.25	91.51	437.37	68.89	85.92	420.3577.35
	319	4.75	-25.67	-78.76	-45.68	-58.76	-25.73	441.73	68.90	80.76	429.8865.42
	318	4.80	5.71	-99.83	-39.72	-54.40	52.25	473.86	79.06	92.00	460.9270.29
495 159	543	6.67	1.67	-193.18	-133.37	-58.13	-89.87	21.77	-21.16	1.42	-0.8121.43
	544	6.54	0.90	-189.45	-130.80	-57.75	87.89	17.89	-23.16	-5.95	0.6720.26
	319	2.95	-3.55	-85.52	-27.74	-61.32	-37.39	13.64	-24.44	-5.80	-5.0019.03
	318	2.95	3.70	-82.11	-22.38	-56.04	39.47	23.76	-14.75	0.54	8.4618.84
495 164	543	5.91	25.19	-157.46	-74.14	-58.13	-90.98	15.62	-20.12	-3.53	-0.97-17.82
	544	5.48	29.86	-143.64	-56.20	-57.59	86.75	8.32	-19.96	-12.34	0.70-12.55
	319	3.54	18.27	-89.16	-8.66	-62.23	-46.57	3.04	-31.42	-7.98	-20.39-16.07
	318	2.64	9.12	-69.07	-3.94	-56.01	29.16	20.11	-21.76	-1.64	-0.02-20.92
495 192	543	6.72	20.06	-153.14	-76.08	-56.99	-86.07	466.87	91.02	91.33	466.5710.66
	544	6.59	34.39	-148.92	-58.08	-56.45	91.65	438.92	75.84	76.51	438.2515.58
	319	5.09	14.97	-83.91	-7.85	-61.09	-41.66	416.99	68.68	68.71	416.97-2.94
	318	5.09	13.73	-71.79	-3.19	-54.88	34.07	467.47	78.58	78.72	467.33-7.40
495 204	543	6.03	19.95	-164.54	-86.47	-58.12	-91.15	14.51	-19.21	-3.71	-0.99-16.81
	544	5.52	24.70	-148.69	-66.42	-57.57	86.58	7.33	-18.69	-12.02	0.67-11.36
	319	3.58	18.94	-90.39	-9.18	-62.27	-47.79	2.15	-29.93	-7.66	-20.13-14.78
	318	2.57	7.73	-68.22	-4.41	-56.08	27.83	18.55	-20.84	-1.62	-0.67-19.69
496 15	544	11.63	-25.83	-342.64	-293.79	-74.67	-114.41	85.80	-82.38	2.03	1.3984.09
	545	12.48	-28.26	-374.34	-327.02	-75.59	118.90	70.24	-64.01	3.74	2.4867.12
	320	3.56	-51.09	-103.60	-75.24	-79.45	-26.17	85.36	-67.51	-8.42	26.2774.44
	319	5.55	-6.68	-145.61	-72.81	-79.48	69.39	88.10	-76.99	-5.43	

16.53 81.81											
496 101 631.23119.02	544	12.35	-27.63	-348.23	-303.76	-72.10	-110.81	658.14	104.73	131.64	
	545	13.94	-24.93	-385.06	-336.97	-73.01	122.50	618.97	105.68	126.49	
598.17101.22											
	320	6.26	-52.68	-97.94	-73.74	-76.87	-22.57	636.91	96.52	111.95	
621.4790.02											
	319	6.70	-1.08	-147.16	-71.33	-76.91	72.98	663.69	103.98	121.78	
645.8998.21											
496 155 420.9577.72	544	8.83	-17.32	-248.16	-209.79	-55.69	-85.95	438.11	68.80	85.95	
	545	9.78	-15.73	-271.98	-231.35	-56.36	93.60	412.65	68.47	82.09	
399.0367.09											
	320	4.49	-34.83	-75.62	-50.57	-59.88	-19.85	420.40	62.87	73.15	
410.1259.75											
	319	4.80	-1.03	-107.40	-48.79	-59.65	52.91	438.72	68.84	80.04	
427.5263.37											
496 159 1.02 21.12	544	6.54	3.24	-189.42	-128.87	-57.30	-89.44	18.51	-24.48	-7.00	
	545	6.79	1.08	-196.41	-137.49	-57.84	90.36	18.15	-24.51	-8.26	
1.9020.72											
	320	2.64	-13.84	-80.38	-31.04	-63.17	-29.14	14.60	-32.78	-9.11	-
9.0723.69											
	319	3.18	-1.51	-90.11	-29.52	-62.09	41.20	11.21	-25.45	-6.69	-
7.5518.32											
496 164 0.99-12.20	544	5.70	34.64	-146.44	-54.60	-57.20	-90.53	7.92	-20.48	-13.55	
	545	5.50	35.65	-143.52	-50.27	-57.61	89.51	2.33	-17.22	-16.77	
1.89-2.92											
	320	3.03	7.45	-82.72	-10.52	-64.74	-36.02	-10.93	-31.65	-11.12	-
31.46-1.99											
	319	2.73	5.59	-77.69	-9.27	-62.82	31.89	1.53	-33.19	-8.62	-
23.04-15.79											
496 188 236.80-36.24	544	5.50	28.02	-140.68	-56.60	-56.07	-84.35	243.13	29.05	35.37	
	545	6.62	41.37	-150.07	-52.22	-56.48	95.69	258.36	32.33	35.75	
254.95-27.57											
	320	3.68	3.16	-76.95	-10.17	-63.61	-29.84	222.56	39.29	40.43	
221.42-14.39											
	319	4.09	10.98	-81.64	-8.97	-61.69	38.07	216.90	35.14	39.43	
212.61-27.59											
496 204 0.95-11.04	544	5.76	29.74	-151.82	-64.88	-57.20	-90.70	6.99	-19.24	-13.20	
	545	5.51	31.28	-147.41	-58.53	-57.60	89.35	2.04	-16.38	-16.18	
1.84 -1.90											
	320	3.07	8.01	-83.79	-11.02	-64.77	-37.21	-10.61	-30.77	-10.66	-
30.73-0.95											
	319	2.66	4.33	-76.85	-9.68	-62.84	30.67	0.66	-31.72	-8.30	-
22.76-14.48											
497 15 2.0669.27	545	12.34	-27.97	-368.94	-325.38	-71.54	-113.83	72.43	-66.11	4.26	
	546	13.68	-36.78	-423.01	-375.80	-83.98	126.50	53.79	-32.34	21.08	
0.3741.80											
	321	3.53	-40.93	-101.40	-68.91	-73.42	-30.15	94.88	-27.95	1.24	
65.6952.28											
	320	6.02	-1.71	-160.39	-80.63	-81.47	79.34	84.28	-64.22	-7.69	
27.7572.10											
497 101 597.55102.13	545	12.87	-29.30	-375.61	-335.90	-69.01	-110.33	618.72	104.88	126.05	
	546	15.06	-33.55	-434.25	-386.35	-81.45	129.99	575.80	123.81	136.34	
563.2774.20											
	321	6.13	-42.52	-95.94	-67.57	-70.88	-26.66	636.86	106.44	115.01	
628.3066.85											
	320	6.98	3.73	-161.93	-79.26	-78.94	82.83	637.40	98.15	112.60	
622.9587.10											
497 155 398.6167.78	545	9.14	-18.79	-265.05	-230.56	-53.28	-85.47	412.50	67.94	81.83	
	546	10.60	-22.31	-307.38	-266.87	-62.82	99.53	384.13	81.20	89.75	
375.5850.17											

	321	4.40	-27.90	-72.87	-45.32	-55.45	-21.91	423.15	69.90	75.96	
417.0845.89											
	320	5.04	3.33	-119.23	-54.48	-61.42	61.18	420.83	63.94	73.60	
411.1757.90											
497 159	545	6.64	1.88	-193.27	-136.61	-54.77	-88.58	19.20	-25.41	-7.94	
1.7221.78											
	546	7.51	-5.35	-223.66	-164.81	-64.20	96.87	18.24	-15.67	2.18	
0.3916.93											
	321	2.60	-8.98	-74.47	-24.15	-59.30	-27.63	30.41	-18.70	-2.61	
14.3123.05											
	320	3.78	4.82	-103.20	-33.83	-64.55	51.78	14.78	-31.89	-8.83	-
8.2923.33											
497 164	545	5.49	37.26	-141.52	-49.68	-54.58	-89.36	2.12	-16.80	-16.51	
1.83-2.32											
	546	6.07	29.76	-163.41	-69.77	-63.88	96.54	2.91	-11.00	-8.55	
0.46 5.30											
	321	2.72	11.16	-74.70	-2.08	-61.46	-31.02	1.36	-20.06	-5.33	-
13.389.92											
	320	3.38	13.02	-91.28	-12.27	-65.99	44.70	-10.98	-31.02	-11.05	-
30.95-1.24											
497 188	545	5.39	29.92	-136.10	-52.83	-53.36	-83.01	258.48	32.62	36.17	
254.93-28.09											
	546	7.09	35.24	-170.80	-72.90	-62.67	102.89	273.86	45.95	47.95	
271.86-21.27											
	321	3.80	7.26	-69.25	-1.76	-60.24	-24.66	257.85	49.84	49.92	
257.77-4.07											
	320	4.58	19.11	-95.84	-11.96	-64.77	51.06	223.07	39.33	40.48	
221.93-14.45											
497 204	545	5.53	33.26	-145.83	-57.99	-54.58	-89.53	1.90	-16.02	-15.92	
1.80 -1.32											
	546	6.12	26.58	-166.57	-76.12	-63.88	96.38	3.59	-11.16	-8.01	
0.44 6.04											
	321	2.77	11.60	-75.65	-2.56	-61.50	-32.17	2.48	-20.12	-4.93	-
12.7010.61											
	320	3.34	11.73	-90.37	-12.65	-65.99	43.53	-10.61	-30.24	-10.61	-
30.24-0.18											
498 15	546	13.43	-31.29	-405.74	-367.72	-69.31	-113.10	56.55	-33.42	23.82	-
0.7043.28											
	547	14.47	-39.25	-444.85	-404.02	-80.07	122.04	40.77	-3.08	40.56	-
2.86-3.09											
	322	3.48	-24.35	-105.42	-69.92	-59.86	-40.22	106.96	15.29	15.30	
106.95 1.06											
	321	5.06	-6.25	-142.32	-81.23	-67.34	67.68	97.67	-21.34	4.50	
71.8349.07											
498 101	546	13.97	-28.05	-416.71	-377.91	-66.85	-116.52	574.75	124.47	137.36	
561.8675.07											
	547	15.11	-40.02	-451.84	-414.24	-77.62	118.61	524.56	144.48	146.59	
522.4528.26											
	322	5.95	-19.03	-107.04	-68.66	-57.40	-43.65	632.50	120.05	120.47	
632.0814.66											
	321	6.29	-7.72	-137.12	-79.94	-64.89	64.26	641.79	109.54	117.13	
634.20 63.11											
498 133	546	9.08	-28.92	-275.53	-250.68	-53.78	-74.24	28.24	-60.98	26.35	-
59.0912.85											
	547	10.70	-18.14	-322.06	-278.16	-62.04	106.84	53.18	16.92	34.90	
35.20-18.13											
	322	2.27	-29.24	-64.36	-46.27	-47.33	-17.55	111.05	17.65	18.06	
110.64 -6.14											
	321	4.38	9.45	-118.17	-55.72	-53.00	63.80	30.23	-28.40	14.01	-
12.1826.23											
498 159	546	7.04	-3.68	-207.85	-158.60	-52.93	-87.35	19.73	-15.78	4.07	-
0.1117.63											
	547	7.77	-10.25	-236.27	-185.38	-61.13	94.40	16.67	-2.13	16.33	-
1.792.51											
	322	2.40	-4.31	-67.39	-22.53	-49.17	-28.59	44.90	6.38	7.12	
44.16 5.27											
	321	3.34	5.05	-92.21	-32.61	-54.55	47.38	32.73	-15.70	-1.14	
18.1722.21											
498 164	546	5.48	29.68	-145.89	-63.58	-52.63	-87.62	3.35	-9.97	-6.84	

0.21 5.65
547 6.13 20.76 -171.01 -89.48 -60.78 94.81 8.77 -5.28 4.96 -1.476.25
322 2.46 12.56 -62.75 1.37 -51.56 -26.79 19.68 -1.10 3.56 15.03 8.67
321 3.20 16.46 -82.88 -9.77 -56.65 43.79 3.27 -18.11 -4.65 -10.1810.33
498 183 546 5.38 27.80 -136.93 -58.11 -51.02 -82.29 -56.83 -276.15 -62.13 -270.8433.70
547 7.17 29.33 -172.47 -83.98 -59.16 100.14 -50.32 -301.64 -55.30 -296.6535.03
322 3.51 8.89 -57.77 1.07 -49.95 -21.46 -53.24 -282.47 -55.74 -279.9723.79
321 4.61 21.45 -86.59 -10.10 -55.04 49.12 -62.99 -283.88 -65.81 -281.0724.78
498 204 546 5.54 26.92 -149.51 -69.96 -52.63 -87.78 4.10 -10.21 -6.31 0.20 6.37
547 6.17 18.85 -173.31 -93.69 -60.77 94.66 9.40 -5.63 5.24 -1.476.72
322 2.50 12.92 -63.65 0.90 -51.63 -27.85 20.31 -1.22 3.74 15.35 9.07
321 3.15 15.18 -81.99 -10.14 -56.67 42.65 4.44 -18.26 -4.29 -9.5411.04
499 15 547 14.45 -39.99 -445.25 -405.05 -80.18 -121.14 42.15 -3.24 41.83 -2.92-3.77
548 13.55 -32.79 -407.66 -370.41 -70.04 112.15 67.50 -40.71 29.75 -2.97-51.57
323 5.26 -0.52 -142.54 -82.38 -60.68 -70.18 118.18 -20.36 10.17 87.65-57.43
322 3.71 -19.55 -110.36 -70.47 -59.45 45.07 109.21 15.90 16.12 108.98-4.55
499 57 547 13.93 -50.61 -438.46 -409.42 -79.66 -102.08 82.85 25.04 54.51 53.38-28.90
548 14.41 -20.84 -423.21 -374.54 -69.51 131.21 112.45 -39.96 37.91 34.57-76.19
323 4.37 -18.66 -123.12 -81.62 -60.16 -51.11 158.64 -15.80 17.71 125.12-68.72
322 4.81 -0.06 -128.79 -69.93 -58.92 64.13 166.99 25.70 27.61 165.08-16.32
499 133 547 9.88 -35.39 -310.92 -285.08 -61.23 -80.33 54.83 17.70 37.14 35.39-18.54
548 10.26 -13.58 -300.85 -260.99 -53.44 99.30 75.07 -26.27 25.95 22.86-50.65
323 3.18 -11.50 -90.40 -55.04 -46.87 -39.24 107.61 -9.97 12.26 85.38-46.03
322 3.53 1.65 -94.12 -46.37 -46.09 47.89 113.28 17.89 18.92 112.25-9.86
499 159 547 7.76 -12.17 -235.68 -186.57 -61.27 -92.54 17.52 -1.97 17.35 -1.801.83
548 7.36 -6.83 -218.17 -171.50 -53.50 87.66 23.60 -12.61 12.79 -1.80-16.57
323 3.10 6.75 -85.84 -30.12 -48.97 -45.32 47.19 -4.32 5.29 37.58-20.06
322 2.68 3.51 -74.72 -22.43 -48.77 36.83 45.87 7.35 7.56 45.66 2.81
499 164 547 6.02 17.30 -169.24 -90.98 -60.96 -92.05 8.87 -4.32 6.00 -1.455.44
548 5.69 21.13 -159.11 -84.76 -53.22 88.73 5.24 -1.61 5.07 -1.431.09
323 2.80 17.32 -72.74 -4.69 -50.72 -38.70 14.98 3.13 3.36 14.76 -1.63
322 2.83 22.10 -71.33 1.87 -51.10 38.48 20.07 0.26 3.85 16.47 7.63
499 188 547 6.12 7.96 -166.90 -96.61 -62.34 -85.73 317.40 66.60 69.00 315.01-24.38
548 6.95 24.25 -169.18 -90.33 -54.60 95.05 336.60 68.53 71.64 333.49-28.69
323 4.16 12.11 -68.43 -4.22 -52.10 -32.38 350.65 68.86 69.84 349.67-16.58

	322	4.64	27.41	-77.60	2.29	-52.48	44.80	333.11	66.46	66.67	
332.90-7.37											
499 207	547	6.03	16.68	-169.81	-92.17	-60.97	-91.93	9.18	-4.20	6.44	-
1.465.41											
	548	5.73	20.10	-160.83	-87.49	-53.23	88.83	5.73	-1.50	5.68	-
1.440.60											
	323	2.76	16.69	-72.08	-4.75	-50.63	-38.00	16.14	3.34	3.70	
15.78 -2.11											
	322	2.87	22.68	-72.04	1.71	-51.07	39.32	20.74	0.53	4.07	
17.20 7.68											
500 15	548	13.79	-36.80	-425.48	-377.63	-84.65	-127.71	65.39	-40.65	27.17	-
2.43-50.91											
	549	11.78	-28.73	-351.98	-308.68	-72.02	110.09	73.75	-76.72	-3.06	
0.09-75.22											
	324	6.91	9.06	-176.11	-89.44	-77.61	-92.40	92.93	-80.42	-10.55	
23.06-85.03											
	323	3.45	-42.70	-95.86	-71.93	-66.62	26.45	118.03	-26.79	7.84	
83.39-61.77											
500 57	548	13.68	-48.69	-423.82	-388.72	-83.79	-109.25	109.99	-39.16	35.69	
35.14-74.57											
	549	12.89	-16.62	-374.15	-319.61	-71.16	128.55	126.58	-74.44	5.88	
46.27-98.46											
	324	5.98	-8.25	-156.56	-88.07	-76.74	-73.94	136.01	-68.13	-1.47	
69.36-95.73											
	323	4.41	-23.27	-113.22	-70.73	-65.76	44.91	158.02	-21.67	15.47	
120.89-72.76											
500 133	548	9.78	-33.66	-302.16	-271.35	-64.48	-85.58	73.42	-25.87	24.31	
23.24-49.64											
	549	9.22	-10.08	-267.01	-222.30	-54.79	97.40	83.81	-49.97	2.97	
30.86-65.42											
	324	4.39	-3.50	-115.57	-59.76	-59.30	-56.03	89.96	-46.67	-1.59	
44.88-64.24											
	323	3.26	-14.26	-83.64	-46.71	-51.19	34.62	107.04	-14.02	10.70	
82.32-48.81											
500 159	548	7.72	-9.28	-233.28	-177.73	-64.84	-96.74	22.67	-13.02	11.26	-
1.61-16.64											
	549	6.68	-1.94	-195.42	-142.11	-55.25	86.44	21.80	-26.74	-5.02	
0.09-24.13											
	324	4.16	13.50	-108.24	-34.27	-60.47	-59.44	28.28	-32.51	-6.13	
1.90-30.13											
	323	2.60	-5.08	-70.47	-22.12	-53.43	28.71	46.48	-7.06	4.27	
35.14-21.87											
500 164	548	6.16	18.47	-174.59	-91.50	-64.62	-95.59	3.95	-1.48	3.89	-
1.410.58											
	549	5.52	25.89	-150.23	-69.21	-55.13	87.78	0.47	-7.43	-7.06	
0.10 1.66											
	324	3.55	22.65	-91.58	-7.87	-61.07	-50.55	-3.19	-11.63	-4.61	-
10.21-3.15											
	323	2.84	19.74	-71.56	3.28	-55.09	35.10	13.44	2.44	2.93	
12.95-2.26											
500 188	548	6.31	10.47	-171.95	-98.60	-62.88	-89.44	336.87	67.99	71.21	
333.65-29.24											
	549	6.84	29.80	-159.44	-76.24	-53.40	93.93	360.55	61.88	64.57	
357.86-28.21											
	324	4.64	18.15	-84.77	-7.29	-59.33	-44.40	348.66	65.64	66.78	
347.52-17.97											
	323	4.71	25.39	-74.96	3.79	-53.36	41.25	348.98	68.78	69.82	
347.95-17.01											
500 212	548	6.19	17.16	-176.12	-94.34	-64.62	-95.49	4.39	-1.44	4.38	-
1.430.26											
	549	5.55	24.16	-152.46	-73.14	-55.15	87.85	0.22	-6.65	-6.51	
0.08 0.97											
	324	3.53	22.19	-91.02	-7.87	-60.96	-49.99	-2.19	-11.39	-4.29	-
9.28-3.87											
	323	2.88	20.23	-72.07	3.18	-55.02	35.82	14.35	2.64	3.21	
13.78-2.52											
501 15	549	12.21	-22.52	-360.08	-306.91	-75.69	-122.97	70.94	-76.02	-5.82	
0.74-73.41											
	550	10.17	-19.50	-300.81	-246.42	-73.89	111.09	63.35	-91.25	-31.24	

3.34-75.34											
	325	6.39	-11.33	-169.90	-94.45	-86.78	-79.20	47.66	-113.48	-26.87	-
38.95-80.34											
	324	3.25	-68.05	-95.15	-86.63	-76.57	12.58	92.53	-86.67	-12.12	
17.98-88.33											
501 57	549	12.17	-35.79	-360.90	-322.27	-74.42	-105.20	124.08	-73.45	3.58	
47.05-96.34											
	550	11.45	-7.33	-326.96	-261.67	-72.62	128.87	135.80	-80.48	-17.61	
72.93-98.21											
	325	5.46	-27.59	-150.65	-92.72	-85.51	-61.42	102.47	-84.91	-13.13	
30.69-91.09											
	324	4.08	-49.42	-110.90	-85.02	-75.30	30.35	135.20	-73.83	-2.92	
64.30-98.96											
501 133	549	8.71	-23.55	-257.75	-223.94	-57.35	-82.30	82.07	-49.41	1.25	
31.41-63.99											
	550	8.25	-2.76	-235.26	-182.02	-56.00	97.70	88.81	-54.07	-14.11	
48.86-64.13											
	325	3.98	-18.14	-110.78	-63.18	-65.75	-46.30	63.92	-58.17	-10.31	
16.05-59.61											
	324	3.00	-33.71	-82.08	-57.56	-58.23	24.18	89.16	-50.66	-2.64	
41.14-66.39											
501 159	549	6.98	2.00	-201.09	-140.97	-58.13	-92.71	20.56	-26.89	-6.76	
0.43-23.45											
	550	6.14	6.13	-177.35	-114.33	-56.90	87.13	13.29	-31.65	-20.49	
2.12-19.42											
	325	3.73	-0.48	-102.88	-37.29	-66.07	-49.14	-0.18	-47.08	-15.56	-
31.70-22.02											
	324	2.33	-21.20	-71.09	-32.65	-59.65	20.97	27.19	-35.51	-6.97	-
1.34-31.22											
501 164	549	5.69	28.27	-154.56	-68.24	-58.05	-91.27	0.68	-8.85	-8.50	
0.33 1.80											
	550	5.57	31.54	-145.29	-56.80	-56.94	88.41	6.02	-22.01	-17.77	
1.7810.04											
	325	3.14	10.84	-86.63	-10.25	-65.54	-40.13	-8.75	-35.94	-11.66	-
33.038.41											
	324	2.59	6.49	-73.36	-6.65	-60.22	29.61	-4.06	-14.06	-5.17	-
12.94-3.15											
501 187	549	5.96	22.34	-148.24	-66.36	-59.54	-85.22	-76.14	-341.89	-78.24	-
339.7923.53											
	550	6.93	37.79	-151.16	-54.93	-58.44	94.46	-87.42	-360.49	-91.30	-
356.6032.34											
	325	4.79	5.75	-82.99	-10.21	-67.03	-34.08	-82.55	-392.43	-83.84	-
391.1419.96											
	324	4.63	10.91	-79.22	-6.60	-61.71	35.66	-73.44	-353.02	-73.67	-
352.80 7.87											
501 212	549	5.71	26.38	-156.55	-72.12	-58.06	-91.20	0.45	-8.09	-7.95	
0.31 1.09											
	550	5.60	29.27	-147.69	-61.46	-56.96	88.45	5.33	-20.86	-17.30	
1.77 8.98											
	325	3.13	10.51	-86.25	-10.30	-65.44	-39.76	-9.10	-34.53	-11.38	-
32.257.27											
	324	2.60	6.82	-73.72	-6.77	-60.13	30.16	-3.18	-13.68	-4.85	-
12.01-3.84											
502 15	550	10.79	-12.72	-307.47	-246.01	-74.18	-119.74	60.61	-89.25	-32.16	
3.53-72.77											
	551	9.64	-9.85	-283.26	-218.99	-74.12	115.93	45.83	-78.91	-35.30	
2.22-59.48											
	326	5.16	-29.83	-147.63	-91.90	-85.56	-58.82	19.39	-96.22	-24.32	-
52.50-56.06											
	325	3.65	-64.58	-114.53	-92.45	-86.65	24.80	48.76	-116.24	-26.97	-
40.52-82.22											
502 81	550	11.66	9.95	-267.06	-187.83	-69.28	-125.18	970.85	152.49	167.34	
955.99-109.25											
	551	11.15	-0.80	-245.90	-177.40	-69.31	109.99	1028.32	167.79	178.83	
1017.28-96.84											
	326	8.41	-11.40	-126.68	-58.68	-79.40	-56.70	972.63	180.93	185.24	
968.33-58.24											
	325	8.11	-40.51	-100.69	-60.05	-81.15	28.18	919.12	161.65	170.34	
910.44-80.65											

502	145	550	8.30	9.89	-196.42	-132.72	-53.81	-95.31	647.05	99.66	109.15
637.57-71.42											
		551	8.08	2.50	-183.60	-127.25	-53.84	85.51	685.01	110.31	117.00
678.32-61.65											
		326	5.91	-8.01	-93.63	-40.23	-61.40	-41.48	644.15	119.71	122.13
641.73-35.52											
		325	5.73	-25.84	-78.42	-41.42	-62.85	24.01	608.04	106.43	111.99
602.47-52.55											
502	159	550	6.41	9.17	-180.20	-113.91	-57.12	-90.33	12.22	-31.00	-20.99
2.21-18.24											
		551	6.14	10.18	-178.53	-111.18	-57.17	90.41	3.57	-23.45	-21.20
1.32-7.47											
		326	2.93	-11.80	-88.06	-35.37	-64.50	-35.24	-12.86	-34.76	-13.90	-
33.72-4.65											
		325	2.65	-17.56	-85.19	-36.70	-66.05	30.46	-0.30	-47.90	-15.64	-
32.56-22.24											
502	164	550	5.57	32.23	-145.69	-56.30	-57.16	-88.96	6.42	-22.72	-18.13
1.8310.62											
		551	5.94	29.16	-153.82	-67.38	-57.29	91.35	15.72	-31.35	-16.64
1.02 21.81											
		326	2.62	3.07	-74.92	-8.35	-63.49	-27.58	7.01	-45.85	-10.21	-
28.6224.78											
		325	3.25	9.94	-85.91	-10.38	-65.59	39.17	-8.43	-36.93	-11.73	-
33.639.11											
502	187	550	5.78	25.77	-140.02	-55.56	-58.69	-82.88	-87.73	-360.94	-92.04	-
356.6334.04											
		551	7.30	34.79	-160.22	-66.62	-58.81	97.43	-87.26	-384.06	-94.50	-
376.8245.78											
		326	4.58	-1.05	-72.24	-8.28	-65.01	-21.50	-82.30	-410.48	-86.62	-
406.1737.38											
		325	5.30	14.71	-92.15	-10.32	-67.12	45.25	-82.79	-393.25	-84.24	-
391.8021.17											
502	212	550	5.58	29.91	-147.97	-60.90	-57.17	-88.92	5.70	-21.56	-17.66
1.81 9.54											
		551	5.96	26.79	-156.57	-72.48	-57.30	91.37	14.56	-29.92	-16.37
1.0120.47											
		326	2.60	2.80	-74.71	-8.49	-63.42	-27.34	5.92	-44.17	-10.07	-
28.1823.35											
		325	3.25	10.12	-86.19	-10.55	-65.52	39.54	-8.78	-35.51	-11.44	-
32.858.00											
503	15	551	9.93	-12.00	-285.09	-222.48	-74.61	-114.80	43.56	-75.83	-33.87
1.60-57.00											
		552	9.75	-10.22	-289.98	-224.98	-75.22	118.15	30.90	-53.67	-22.36	-
0.41-40.84											
		327	4.29	-26.89	-127.71	-79.40	-75.20	-50.37	14.47	-58.17	-12.42	-
31.27-35.08											
		326	4.18	-41.75	-130.74	-88.20	-84.30	44.45	23.93	-95.35	-22.63	-
48.79-58.19											
503	81	551	11.36	9.16	-255.87	-177.00	-69.71	-121.17	1029.17	171.72	183.49
1017.40-99.77											
		552	11.56	-4.58	-258.30	-192.49	-70.39	111.20	1097.59	200.14	209.08
1088.66-89.11											
		327	8.66	-6.82	-110.14	-47.77	-69.19	-50.54	1066.68	205.66	208.11
1064.23-45.86											
		326	8.67	-20.11	-114.32	-56.11	-78.32	45.77	976.05	179.86	184.49
971.42-60.54											
503	145	551	8.08	8.54	-189.90	-127.22	-54.14	-92.25	685.51	113.10	120.25
678.36-63.55											
		552	8.38	-1.28	-194.51	-141.11	-54.68	86.41	730.83	133.14	138.31
725.67-55.32											
		327	6.06	-4.33	-81.31	-32.06	-53.58	-36.96	709.52	137.00	138.19
708.33-26.11											
		326	6.14	-10.56	-88.48	-38.44	-60.60	37.36	646.74	119.10	121.71
644.13-37.01											
503	159	551	6.12	5.96	-176.78	-113.35	-57.47	-87.00	2.75	-21.92	-20.12
0.94-6.42											
		552	6.55	4.59	-191.94	-129.34	-58.02	91.57	0.55	-13.16	-12.04	-
0.573.76											
		327	2.42	-8.06	-76.06	-27.39	-56.72	-30.68	-2.41	-19.41	-6.48	-
15.347.25											

		326	3.19	-2.39	-95.14	-33.79	-63.75	43.89	-11.59	-32.46	-12.98	-31.08-5.19
503	164	551	5.62	22.85	-149.53	-69.16	-57.53	-85.99	16.22	-31.08	-15.58	0.7222.20
		552	6.34	16.98	-171.03	-95.91	-58.14	92.09	26.44	-35.30	-8.10	-0.7730.65
		327	2.54	7.80	-65.30	-1.63	-55.87	-24.51	27.10	-39.91	-4.13	-8.6833.43
		326	3.89	22.92	-93.58	-7.74	-62.91	51.30	8.54	-44.27	-9.59	-26.1425.07
503	187	551	5.66	15.46	-144.46	-69.99	-59.00	-79.77	-86.60	-385.23	-94.50	-377.3347.93
		552	7.79	21.88	-178.20	-96.70	-59.62	98.31	-82.68	-460.95	-91.68	-451.9457.66
		327	4.70	3.94	-62.80	-1.51	-57.34	-18.29	-88.08	-465.28	-94.25	-459.1247.81
		326	5.85	28.10	-100.16	-7.68	-64.39	57.52	-80.69	-408.03	-85.19	-403.5338.13
503	212	551	5.64	20.52	-152.23	-74.19	-57.53	-85.97	15.03	-29.63	-15.32	0.7220.84
		552	6.39	14.88	-174.27	-101.24	-58.15	92.09	25.00	-33.81	-8.05	-0.7629.18
		327	2.52	7.47	-65.18	-1.89	-55.82	-24.34	25.58	-38.32	-4.12	-8.6231.87
		326	3.88	22.95	-93.82	-8.00	-62.87	51.54	7.45	-42.61	-9.45	-25.7123.67
504	15	552	9.79	-16.60	-289.40	-230.01	-76.00	-112.58	29.52	-51.32	-21.29	-0.51-39.06
		553	9.74	-13.96	-293.39	-231.11	-76.25	116.30	22.72	-34.85	-11.31	-0.82-28.31
		328	4.40	-3.87	-125.80	-63.84	-65.83	-60.96	14.58	-34.12	-5.28	-14.26-23.93
		327	4.13	-22.86	-125.62	-74.65	-73.83	51.38	18.66	-60.07	-11.83	-29.58-38.35
504	81	552	11.80	1.89	-267.53	-194.48	-71.16	-119.77	1096.73	190.98	200.93	1086.78-94.40
		553	11.91	-10.76	-266.00	-205.26	-71.50	108.69	1185.48	219.23	226.89	1177.82-85.70
		328	9.33	15.88	-111.68	-35.45	-60.36	-62.55	1171.98	230.53	232.08	1170.42-38.27
		327	9.02	-4.35	-108.51	-44.63	-68.23	50.72	1068.54	206.05	208.70	1065.89-47.76
504	145	552	8.42	2.17	-200.16	-142.75	-55.24	-91.21	730.23	127.19	132.99	724.43-58.87
		553	8.61	-6.63	-201.43	-152.54	-55.52	84.46	789.35	146.39	150.70	785.04-52.47
		328	6.54	12.91	-82.78	-23.03	-46.83	-46.34	780.95	153.79	154.49	780.26-20.88
		327	6.37	1.15	-83.89	-29.88	-52.87	40.94	710.91	137.30	138.61	709.60-27.43
504	161	552	5.77	3.58	-165.17	-102.59	-59.01	-81.51	5.26	-47.58	-12.89	-29.4325.09
		553	6.78	8.10	-189.58	-122.09	-59.39	93.73	7.90	-56.95	-11.43	-37.6229.66
		328	2.66	18.93	-63.97	4.94	-49.97	-31.05	12.38	-57.90	-9.04	-36.4832.35
		327	4.20	35.33	-91.71	-0.50	-55.88	57.17	10.44	-56.31	-9.66	-36.2130.62
504	164	552	5.98	9.19	-165.91	-98.24	-58.49	-85.26	26.67	-34.56	-7.19	-0.7030.44
		553	6.56	6.36	-182.99	-117.75	-58.87	89.98	32.24	-37.78	-4.22	-1.3234.98
		328	2.97	21.56	-66.51	4.50	-49.46	-34.80	33.78	-35.74	-1.78	-0.1834.75
		327	3.94	31.81	-88.10	-0.92	-55.36	53.42	27.42	-38.81	-3.91	-7.4833.06
504	187	552	6.19	0.93	-161.74	-100.09	-60.72	-78.92	-87.41	-460.94	-97.23	-451.1259.77
		553	8.07	10.32	-191.03	-119.61	-61.10	96.33	-92.53	-504.77	-102.84	-

494.4664.38											
	328	4.90	16.55	-63.55	4.69	-51.69	-28.45	-94.50	-499.40	-100.56	-
493.3549.13											
	327	6.16	36.98	-95.36	-0.79	-57.59	59.77	-88.06	-464.01	-94.13	-
457.9347.40											
504 208	552	6.02	7.55	-168.51	-102.48	-58.48	-85.23	26.04	-34.02	-7.29	-
0.6929.85											
	553	6.64	4.76	-186.22	-122.58	-58.87	90.02	31.71	-37.56	-4.49	-
1.3734.60											
	328	2.94	20.76	-66.32	3.92	-49.48	-34.39	33.07	-35.57	-1.83	-
0.6734.32											
	327	3.94	31.70	-88.59	-1.49	-55.40	53.76	26.64	-38.30	-3.94	-
7.7232.41											
505 15	553	9.83	-17.98	-295.41	-235.51	-77.88	-114.15	21.63	-33.24	-11.00	-
0.61-26.94											
	554	8.97	-11.11	-269.95	-205.43	-75.63	111.97	17.22	-26.81	-8.65	-
0.94-21.68											
	329	5.45	28.64	-141.17	-50.57	-61.96	-84.71	12.63	-22.89	-4.72	-
5.53-17.75											
	328	3.28	-21.55	-101.23	-58.58	-64.19	39.74	17.72	-37.78	-5.25	-
14.80-27.34											
505 81	553	12.19	2.32	-269.56	-194.19	-73.05	-121.70	1158.93	115.78	118.62	
1156.10-54.30											
	554	11.13	-5.74	-237.31	-172.08	-70.98	104.17	1178.39	117.91	119.72	
1176.5843.76											
	329	10.32	46.37	-129.67	-26.44	-56.85	-86.70	1183.66	200.28	200.71	
1183.2320.58											
	328	9.17	-5.22	-86.05	-32.11	-59.16	38.08	1165.28	197.19	198.56	
1163.91-36.44											
505 145	553	8.72	1.80	-203.82	-145.35	-56.67	-92.76	771.98	77.10	78.54	
770.54-31.63											
	554	8.03	-3.23	-181.42	-129.54	-55.11	80.95	785.86	76.60	78.30	
784.1634.65											
	329	7.30	35.94	-96.87	-16.76	-44.17	-64.98	787.64	132.51	133.04	
787.1218.55											
	328	6.40	0.16	-66.88	-20.75	-45.96	31.06	776.66	131.57	132.17	
776.06-19.74											
505 161	553	6.26	-2.92	-181.23	-123.80	-60.35	-83.32	11.79	-55.80	-7.13	-
36.8930.34											
	554	6.61	7.13	-181.89	-115.78	-58.98	90.14	11.89	-69.02	-15.32	-
41.8138.22											
	329	3.58	36.57	-77.25	6.90	-47.58	-49.97	7.26	-73.43	-12.68	-
53.4934.81											
	328	3.62	31.79	-75.95	5.30	-49.46	46.39	13.50	-56.16	-7.50	-
35.1531.97											
505 164	553	6.42	2.63	-181.58	-119.18	-59.77	-87.18	31.61	-37.07	-4.04	-
1.4234.31											
	554	6.36	5.44	-175.00	-111.17	-58.40	86.28	34.90	-47.90	-11.32	-
1.6841.12											
	329	3.88	39.84	-80.37	6.48	-47.00	-53.83	27.11	-45.65	-5.77	-
12.7736.21											
	328	3.32	28.31	-72.31	4.88	-48.88	42.53	33.91	-34.53	-1.52	
0.9034.20											
505 187	553	6.96	-7.38	-181.31	-126.67	-62.02	-80.74	-50.15	-491.67	-56.52	-
485.3052.66											
	554	7.50	7.52	-186.77	-118.60	-60.65	92.72	-64.56	-499.43	-66.02	-
497.9725.11											
	329	5.44	33.71	-76.32	6.65	-49.25	-47.38	-90.51	-517.68	-92.67	-
515.5230.30											
	328	5.85	33.42	-79.50	5.05	-51.13	48.98	-80.56	-494.83	-85.99	-
489.4147.09											
505 211	553	6.48	0.98	-184.73	-123.98	-59.76	-87.12	30.80	-36.54	-4.27	-
1.4733.64											
	554	6.46	3.53	-178.82	-116.90	-58.39	86.35	34.45	-48.34	-12.10	-
1.7941.08											
	329	3.84	38.71	-80.06	5.73	-47.09	-53.19	26.03	-46.18	-6.02	-
14.1435.88											
	328	3.33	28.12	-72.96	4.11	-48.94	43.02	32.91	-34.00	-1.53	
0.4533.44											

506	5	554	8.81	7.09	-245.46	-148.90	-89.47	-122.73	43.78	-72.34	-23.00	-5.5657.40
		555	7.68	33.87	-186.23	-84.84	-67.51	109.71	71.64	-82.68	-20.64	9.6075.66
		330	6.83	78.83	-138.22	7.64	-67.04	-101.90	9.04	-130.03	-24.98	-96.0059.79
		329	3.31	25.89	-71.03	14.69	-59.83	30.99	37.62	-60.48	-9.08	-13.7848.99
506	73	554	13.62	17.09	-239.72	-130.98	-91.65	-126.89	1145.62	-252.12	-215.06	1108.57224.54
		555	11.69	28.99	-168.39	-69.05	-70.34	98.69	848.97	-419.22	-292.06	721.81380.91
		330	10.86	81.47	-144.93	6.24	-69.70	-106.64	749.02	8.21	66.23	691.00199.03
		329	9.62	19.33	-68.83	13.17	-62.67	22.47	1176.20	159.04	162.27	1172.9757.22
506	141	554	9.75	11.82	-183.92	-102.29	-69.82	-96.51	764.97	-172.06	-145.57	738.48155.31
		555	8.46	22.41	-130.47	-54.61	-53.45	76.44	571.09	-285.80	-196.84	482.13261.37
		330	7.85	61.85	-110.30	4.51	-52.96	-81.13	493.64	-0.83	41.64	451.18138.55
		329	6.63	14.93	-52.66	9.80	-47.53	17.90	783.45	104.65	107.37	780.7242.90
506	162	554	6.81	4.97	-181.26	-110.30	-65.99	-90.44	164.55	-62.37	-42.13	144.3264.67
		555	6.05	22.97	-135.18	-62.37	-49.84	78.83	148.53	-98.87	-52.23	101.8996.77
		330	5.49	57.20	-104.06	2.42	-49.29	-76.37	79.29	-52.60	-6.77	33.4662.80
		329	2.64	14.89	-51.20	7.49	-43.79	20.85	158.39	7.10	16.76	148.7436.99
506	164	554	6.47	3.62	-181.22	-112.24	-65.36	-89.40	32.25	-52.89	-16.43	-4.2242.13
		555	5.62	23.47	-136.97	-64.29	-49.21	79.87	52.36	-61.48	-16.01	6.8955.76
		330	5.02	56.56	-102.59	2.62	-48.65	-75.33	6.14	-96.17	-18.86	-71.1743.96
		329	2.33	15.80	-51.28	7.68	-43.16	21.89	27.97	-43.43	-6.05	-9.4135.66
506	184	554	7.78	3.03	-181.83	-111.26	-67.54	-89.81	424.12	-124.44	-100.37	400.06112.34
		555	7.38	22.30	-137.06	-63.36	-51.39	79.46	337.62	-205.95	-133.09	264.76185.19
		330	6.38	56.08	-104.50	2.42	-50.84	-75.74	256.83	-30.15	14.17	212.52103.70
		329	4.32	15.15	-52.97	7.53	-45.35	21.48	424.92	52.02	56.36	420.5839.99
506	211	554	6.54	1.56	-184.73	-117.84	-65.34	-89.37	31.65	-53.51	-17.41	-4.4542.09
		555	5.72	20.65	-141.32	-71.44	-49.24	80.22	53.28	-63.34	-17.28	7.2257.01
		330	4.97	55.27	-102.28	2.09	-49.11	-74.50	4.63	-100.51	-19.87	-76.0144.44
		329	2.35	15.39	-51.91	6.73	-43.26	22.53	26.89	-43.75	-6.35	-10.5135.26
507	15	555	7.49	-77.98	-247.34	-159.92	-165.40	-84.63	-0.73	-31.19	-21.30	-10.62-14.26
		556	3.23	100.26	68.82	69.16	99.92	-3.25	7.08	-119.14	-114.67	2.6223.31
		331	6.22	24.91	-170.87	-117.15	-28.80	-87.36	-39.69	-60.73	-40.25	-60.163.41
		330	3.49	51.39	-64.76	8.59	-21.97	-56.03	13.50	-17.54	-10.23	6.19-13.17
507	73	555	14.70	-27.31	-226.49	-92.63	-161.16	-93.51	1182.77	98.88	409.61	872.04490.14
		556	7.99	157.31	90.63	139.86	108.08	-29.30	814.34	168.39	625.23	357.50293.93
		331	6.07	11.18	-148.14	-113.62	-23.35	-65.64	126.35	-26.23	92.13	

7.9963.65											
	330	7.76	81.03	-41.74	52.55	-13.26	-51.82	755.24	53.79	127.83	
681.21215.53											
507 141	555	10.58	-23.38	-173.98	-73.26	-124.10	-70.88	795.56	51.72	265.17	
582.12336.46											
	556	5.81	118.41	69.36	105.29	82.48	-21.71	565.59	124.65	442.71	
247.53197.69											
	331	4.61	7.71	-113.16	-87.11	-18.34	-49.70	84.95	-36.29	63.92	-
15.2545.91											
	330	5.49	61.55	-31.81	40.34	-10.60	-39.12	496.27	25.58	79.97	
441.88150.48											
507 159	555	5.61	-48.50	-179.65	-102.22	-125.93	-64.50	21.17	-62.21	-40.70	-
0.3436.48											
	556	2.94	86.41	65.49	74.26	77.65	-10.32	77.87	33.89	71.79	
39.97 15.17											
	331	4.41	9.23	-117.96	-87.35	-21.39	-54.37	-0.43	-109.88	-2.79	-
107.5115.92											
	330	2.72	48.40	-37.78	25.41	-14.79	-38.11	-10.54	-65.17	-25.70	-
50.0124.46											
507 164	555	5.83	-38.74	-172.50	-86.31	-124.93	-64.03	52.87	-106.51	-59.29	
5.6572.77											
	556	3.92	101.70	66.92	90.36	78.25	-16.30	195.50	67.64	194.15	
68.9913.06											
	331	4.26	1.98	-108.01	-85.23	-20.80	-44.57	22.60	-158.18	18.75	-
154.3426.08											
	330	2.98	56.64	-30.03	39.80	-13.18	-34.30	-8.31	-122.92	-39.33	-
91.9050.92											
507 174	555	8.07	-5.05	-177.59	-59.23	-123.41	-80.08	275.83	-130.14	-52.03	
197.72160.03											
	556	4.73	135.80	61.10	117.12	79.77	-32.35	247.24	83.13	199.49	
130.8874.54											
	331	5.08	15.54	-124.81	-90.00	-19.27	-60.61	40.91	-113.96	32.56	-
105.6134.98											
	330	4.30	67.41	-43.71	35.35	-11.66	-50.34	138.44	-51.10	0.53	
86.8184.38											
507 220	555	5.88	-39.80	-173.21	-88.20	-124.81	-64.15	56.28	-114.90	-64.38	
5.7678.08											
	556	3.86	96.42	66.52	85.55	77.39	-14.38	209.86	73.63	208.47	
75.0213.66											
	331	4.30	3.36	-106.81	-82.79	-20.66	-45.49	23.04	-171.73	18.85	-
167.5428.24											
	330	2.96	55.15	-29.95	39.10	-13.91	-33.29	-9.37	-132.03	-42.27	-
99.1354.34											
508 15	313	4.49	111.96	42.32	95.23	59.05	29.75	-53.25	-211.82	-197.19	-
67.89-45.90											
	336	4.41	98.54	-27.82	43.39	27.33	62.67	-1.97	-132.41	-16.65	-
117.73-41.22											
	558	5.49	76.98	-53.87	-5.07	28.18	63.27	42.94	-237.08	-49.72	-
144.43-131.76											
	538	5.94	71.51	-77.48	-16.84	10.87	73.19	3.14	-294.12	-188.20	-
102.78-142.37											
508 35	313	4.89	119.17	35.51	98.40	56.27	36.14	157.15	-172.66	-157.63	
142.13-68.77											
	336	4.76	105.54	-34.33	46.66	24.55	69.05	97.35	-14.99	19.34	
63.01-51.75											
	558	5.90	79.89	-63.66	-9.17	25.40	69.66	192.94	-120.71	27.91	
44.32-156.61											
	538	6.68	74.40	-87.42	-21.11	8.09	79.58	214.35	-206.03	-106.65	
114.97-178.61											
508 130	313	2.94	61.27	14.64	42.23	33.68	22.92	260.77	91.37	92.48	
259.6713.63											
	336	4.76	67.94	-40.11	19.30	8.53	53.75	313.48	21.47	77.71	
257.23115.15											
	558	4.19	47.60	-42.41	-5.60	10.78	44.26	377.18	81.74	97.16	
361.7565.72											
	538	4.93	47.45	-69.07	-16.96	-4.65	57.94	583.67	421.63	428.87	
576.4333.47											
508 161	313	1.88	53.47	17.41	35.02	35.86	18.03	47.45	-13.81	31.38	
2.2626.95											

	336	4.04	59.50	-37.29	11.11	11.10	48.39	125.74	-84.84	23.02	
17.88105.26											
	558	3.47	42.26	-39.97	-10.65	12.94	39.39	146.31	-51.35	-15.15	
110.1176.45											
	538	4.09	44.34	-61.97	-15.89	-1.75	52.68	361.34	251.54	308.70	
304.1754.85											
508 164	313	1.72	52.10	18.40	33.99	36.52	16.80	27.66	-72.30	17.35	-
61.9930.41											
	336	3.93	58.05	-36.30	9.99	11.76	47.17	89.97	-122.41	9.65	-
42.09102.99											
	558	3.35	41.23	-39.10	-11.47	13.60	38.16	93.05	-88.76	-42.99	
47.2978.90											
	538	3.95	43.84	-60.03	-15.10	-1.09	51.46	322.62	194.66	280.18	
237.1060.24											
508 179	313	2.34	57.97	11.70	35.60	34.07	23.12	116.23	37.74	45.79	
108.1923.81											
	336	4.43	64.09	-42.92	11.85	9.32	53.49	186.81	-41.18	35.10	
110.54107.57											
	558	3.86	45.88	-45.82	-11.09	11.16	44.48	226.81	-10.40	10.87	
205.5567.76											
	538	4.50	46.89	-69.74	-19.32	-3.53	57.78	434.60	315.35	337.10	
412.8646.05											
508 202	313	1.97	50.67	14.96	35.51	30.13	17.65	61.07	-39.07	33.29	-
11.2944.84											
	336	4.51	59.76	-37.62	10.42	11.72	48.68	259.87	-20.90	66.38	
172.59129.95											
	558	4.16	41.29	-37.99	-11.22	14.51	37.49	256.15	-132.17	-116.75	
240.7375.83											
	538	5.67	47.10	-66.00	-15.16	-3.75	56.26	734.55	523.40	540.10	
717.8556.98											
509 5	331	2.38	71.31	10.35	47.26	34.40	29.79	12.76	-31.41	6.74	-
25.38-15.16											
	354	4.84	82.67	-48.07	16.03	18.57	65.36	-83.73	-253.65	-108.40	-
228.98-59.85											
	559	5.07	59.48	-46.51	-6.90	19.87	51.28	64.04	-358.12	48.43	-
342.52-79.64											
	556	6.49	76.17	-83.24	-11.00	3.93	79.36	-399.35	-638.84	-418.75	-
619.44-65.34											
509 23	331	2.73	79.39	7.73	49.38	37.73	35.35	140.97	31.70	35.61	
137.06-20.30											
	354	4.82	90.84	-51.05	17.89	21.90	70.92	-30.02	-129.99	-81.49	-
78.52-49.96											
	559	4.84	69.09	-47.20	-1.32	23.21	56.84	128.62	-202.91	110.87	-
185.16-74.63											
	556	6.43	86.26	-84.02	-5.03	7.26	84.92	-314.03	-490.36	-354.25	-
450.14-73.99											
509 107	331	1.82	54.44	7.64	35.74	26.35	22.92	10.45	-24.29	6.22	-
20.06-11.36											
	354	3.71	63.18	-37.17	11.78	14.23	50.16	-64.70	-194.23	-83.33	-
175.60-45.46											
	559	3.88	45.46	-35.93	-5.56	15.10	39.36	48.75	-273.66	36.77	-
261.68-60.99											
	556	4.97	58.24	-63.94	-8.79	3.08	60.80	-303.61	-486.67	-318.51	-
471.77-50.06											
509 158	331	1.76	53.02	7.10	34.42	25.70	22.54	10.81	-23.81	7.52	-
20.53-10.15											
	354	3.59	61.48	-36.58	11.11	13.79	49.01	-63.67	-186.28	-80.70	-
169.25-42.41											
	559	3.76	44.01	-35.73	-5.81	14.08	38.61	45.89	-262.58	34.41	-
251.11-58.38											
	556	4.79	56.53	-62.36	-9.02	3.19	59.13	-287.39	-462.49	-301.83	-
448.05-48.16											
509 164	331	1.74	51.81	5.49	31.71	25.59	22.96	15.27	-25.82	12.98	-
23.53-9.42											
	354	3.61	60.52	-38.46	8.17	13.89	49.41	-66.52	-188.55	-82.94	-
172.13-41.65											
	559	3.78	43.55	-36.90	-7.21	13.86	38.82	45.46	-261.86	33.60	-
250.01-59.18											
	556	4.78	55.94	-63.38	-10.89	3.45	59.23	-280.31	-455.85	-295.10	-

441.06-48.76
509 185 331 2.54 62.49 -11.96 28.32 22.21 37.10 42.57 -41.22 36.59 -
35.23-21.58
354 4.37 71.23 -56.00 4.72 10.51 63.55 -46.41 -194.75 -59.15 -
182.01-41.56
559 4.62 52.68 -56.00 -13.79 10.48 52.97 96.76 -264.50 87.02 -
254.76-58.53
556 5.58 65.19 -82.60 -17.47 0.06 73.37 -225.91 -463.42 -241.87 -
447.47-59.46
509 210 331 1.69 49.38 5.89 31.11 24.16 21.46 16.59 -25.82 11.29 -
20.52-14.02
354 3.67 58.64 -37.61 7.68 13.34 48.04 -70.00 -216.09 -88.33 -
197.76-48.39
559 3.94 41.00 -36.03 -8.73 13.69 36.85 56.15 -300.62 45.13 -
289.60-61.74
556 5.02 53.25 -63.78 -12.69 2.16 58.04 -332.58 -545.76 -344.39 -
533.95-48.77
510 15 333 2.87 61.29 -13.99 28.17 19.13 37.37 -3.28 -236.99 -3.30 -
236.972.20
356 3.26 49.68 -46.80 3.87 -0.99 48.18 0.88 -157.45 -5.10 -
151.47-30.20
560 3.71 43.09 -73.02 -15.22 -14.71 58.06 24.94 -42.38 11.79 -
29.2326.69
557 3.46 45.95 -57.81 -15.56 3.71 50.98 15.31 -100.31 -2.86 -
82.1442.08
510 101 333 2.80 59.33 -6.75 32.07 20.51 32.53 -7.76 -266.43 -7.90 -
266.30 5.91
356 3.01 47.68 -39.33 7.97 0.38 43.34 -6.35 -186.44 -10.07 -
182.72-25.59
560 3.51 40.24 -66.20 -12.63 -13.33 53.22 20.30 -72.17 8.29 -
60.1731.08
557 3.24 42.99 -51.08 -13.18 5.08 46.14 11.04 -128.23 -6.04 -
111.1645.68
510 112 333 2.20 44.01 -8.57 20.86 14.58 26.10 -11.90 -202.45 -11.90 -
202.45-0.99
356 2.45 36.36 -33.53 3.58 -0.75 34.88 -6.59 -141.86 -11.63 -
136.81-25.63
560 2.65 30.07 -53.13 -11.55 -11.51 41.60 10.02 -37.99 3.17 -
31.1416.79
557 2.44 32.22 -41.51 -11.79 2.50 36.17 1.96 -82.33 -8.39 -
71.9827.66
510 159 333 2.27 33.80 -1.44 18.22 14.14 17.51 -41.91 -268.39 -42.33 -
267.97-9.70
356 2.31 30.36 -25.52 5.52 -0.68 27.77 -30.21 -209.27 -36.69 -
202.79-33.44
560 2.01 20.06 -43.23 -11.02 -12.15 31.64 -15.52 -59.78 -16.01 -
59.284.65
557 1.76 22.09 -31.94 -11.20 1.36 26.27 -26.45 -102.63 -28.51 -
100.5612.36
510 164 333 2.46 23.60 5.68 15.57 13.70 8.91 -71.46 -334.79 -72.76 -
333.49-18.41
356 2.28 24.47 -17.63 7.47 -0.62 20.66 -53.82 -276.68 -61.74 -
268.76-41.26
560 1.46 10.08 -33.35 -10.49 -12.78 21.69 -34.13 -88.48 -35.19 -
87.42-7.49
557 1.32 12.05 -22.45 -10.62 0.22 16.38 -48.53 -129.25 -48.64 -
129.15-2.94
510 173 333 3.46 27.99 4.17 17.23 14.93 11.85 -99.25 -493.74 -100.37 -
492.63-20.94
356 3.04 28.72 -19.20 8.93 0.60 23.59 -79.75 -412.28 -85.14 -
406.89-41.98
560 2.18 14.68 -34.66 -8.42 -11.56 24.62 -57.09 -225.27 -57.09 -
225.27-0.35
557 2.15 16.48 -23.36 -8.33 1.44 19.31 -74.71 -288.07 -74.77 -
288.00 3.74
510 210 333 3.60 24.97 6.15 16.37 14.76 9.38 -109.39 -523.85 -110.13 -
523.11-17.44
356 3.13 25.82 -17.28 8.29 0.25 21.17 -90.53 -446.89 -95.52 -
441.91-41.85

560	1.58	11.77	-33.12	-9.40	-11.95	22.41	-28.74	-84.67	-29.07	-84.344.30
557	1.31	13.78	-21.77	-9.17	1.18	17.01	-45.73	-132.89	-45.94	-132.684.30
511 15 336	4.24	99.09	-11.21	51.92	35.96	54.57	-95.66	-171.34	-113.41	-153.58-32.07
359	5.96	50.21	-111.49	-10.78	-50.50	78.37	-22.71	-360.12	-22.71	-360.121.36
561	6.28	67.66	-93.90	15.44	-41.68	75.56	44.85	-301.96	-61.20	-195.91-159.79
558	6.60	81.62	-89.01	-10.65	3.26	85.03	62.34	-229.20	-44.07	-122.78-140.36
511 57 336	4.20	100.66	-19.86	49.25	31.55	59.61	115.83	-73.90	-71.09	113.03-22.90
359	5.19	51.57	-120.24	-13.75	-54.92	83.40	15.91	-134.50	11.82	-130.41-24.45
561	7.47	72.63	-100.81	17.92	-46.10	80.59	164.59	-261.71	-113.66	16.54-202.97
558	7.08	85.69	-94.56	-7.71	-1.16	90.06	207.61	-170.19	-89.03	126.45-155.16
511 133 336	2.97	74.62	-16.50	34.68	23.44	45.21	70.54	-48.82	-48.75	70.47-2.92
359	4.09	38.20	-91.48	-10.29	-42.98	62.74	4.49	-105.55	4.34	-105.39-4.19
561	5.29	52.70	-76.79	11.94	-36.04	60.14	95.00	-173.52	-81.89	3.38-127.31
558	5.02	63.30	-71.40	-6.83	-1.26	67.29	136.42	-101.93	-56.27	90.76-93.79
511 157 336	3.46	57.09	-25.18	13.86	18.06	41.08	70.16	-116.99	-10.18	-36.6492.63
359	4.75	28.94	-85.19	-8.46	-47.79	53.57	24.19	-189.14	-26.60	-138.3590.86
561	3.81	32.10	-71.91	-0.02	-39.78	48.06	8.63	-111.91	-45.91	-57.3660.00
558	4.00	46.39	-62.76	-12.69	-3.68	54.39	109.23	-37.64	23.13	48.4772.34
511 164 336	3.46	57.09	-25.18	13.86	18.06	41.08	70.16	-116.99	-10.18	-36.6492.63
359	4.75	28.94	-85.19	-8.46	-47.79	53.57	24.19	-189.14	-26.60	-138.3590.86
561	3.81	32.10	-71.91	-0.02	-39.78	48.06	8.63	-111.91	-45.91	-57.3660.00
558	4.00	46.39	-62.76	-12.69	-3.68	54.39	109.23	-37.64	23.13	48.4772.34
511 193 336	3.87	60.69	-38.25	7.77	14.67	49.35	24.14	-193.66	-15.13	-154.3983.73
359	5.64	31.03	-97.68	-15.48	-51.17	61.83	-8.54	-306.57	-40.08	-275.0391.68
561	4.64	36.41	-83.03	-3.46	-43.16	56.32	-10.97	-204.26	-27.27	-187.9753.70
558	4.31	51.61	-73.96	-15.28	-7.06	62.65	68.80	-87.22	44.65	-63.0756.44
511 203 336	3.42	56.23	-24.76	12.88	18.59	40.39	-11.05	-276.18	-34.99	-252.2575.99
359	5.63	27.26	-84.90	-9.55	-48.10	52.66	-46.96	-409.71	-73.80	-382.8794.95
561	4.60	31.28	-71.52	-0.28	-39.97	47.41	41.30	-213.55	-20.84	-151.41109.43
558	4.28	45.79	-61.82	-12.86	-3.16	53.59	59.52	-195.15	20.57	-156.1991.67
512 5 354	4.26	79.65	-33.29	21.63	24.73	56.45	-16.21	-221.57	-27.24	-210.54-46.29
374	5.93	48.81	-107.61	-2.84	-55.97	73.56	-77.59	-392.78	-77.72	-392.65-6.22
562	4.78	48.97	-96.79	2.34	-50.16	67.99	-26.84	-286.83	-49.23	-264.43-72.95
559	5.44	69.49	-79.76	-8.81	-1.46	74.54	-47.53	-365.34	-57.21	-355.66-54.63
512 21 354	4.18	92.69	-39.93	22.18	30.59	66.17	65.73	6.37	23.50	

48.60-26.90											
	374	5.24	61.50	-111.59	-1.13	-48.97	83.17	-38.59	-166.53	-42.06	-
163.06-20.79											
	562	5.84	61.94	-99.79	5.45	-43.30	77.10	32.93	-170.79	-89.69	-
48.17-99.72											
	559	5.40	81.78	-85.21	-7.73	4.29	83.28	-47.85	-143.38	-88.32	-
102.90-47.21											
512 107	354	3.27	60.96	-25.84	16.17	18.95	43.38	-12.17	-169.46	-20.45	-
161.18-35.12											
	374	4.55	37.20	-82.85	-2.64	-43.00	56.53	-60.10	-301.39	-60.20	-
301.30-4.72											
	562	3.67	37.43	-74.41	1.57	-38.55	52.20	-20.81	-219.70	-38.07	-
202.45-55.98											
	559	4.17	53.12	-61.42	-7.09	-1.20	57.19	-36.40	-279.29	-43.83	-
271.86-41.82											
512 157	354	3.21	59.00	-27.38	13.09	18.52	43.11	-10.14	-163.12	-17.14	-
156.12-31.95											
	374	4.48	34.99	-83.32	-5.65	-42.68	56.18	-62.81	-296.58	-62.89	-
296.50-4.33											
	562	3.62	35.87	-74.09	0.11	-38.32	51.51	-21.91	-213.62	-39.34	-
196.19-55.12											
	559	4.08	50.96	-61.81	-9.14	-1.71	56.26	-35.39	-267.98	-42.68	-
260.69-40.53											
512 164	354	3.21	59.00	-27.38	13.09	18.52	43.11	-10.14	-163.12	-17.14	-
156.12-31.95											
	374	4.48	34.99	-83.32	-5.65	-42.68	56.18	-62.81	-296.58	-62.89	-
296.50-4.33											
	562	3.62	35.87	-74.09	0.11	-38.32	51.51	-21.91	-213.62	-39.34	-
196.19-55.12											
	559	4.08	50.96	-61.81	-9.14	-1.71	56.26	-35.39	-267.98	-42.68	-
260.69-40.53											
512 185	354	3.78	64.89	-44.89	7.43	12.56	54.83	-25.86	-178.30	-32.05	-
172.10-30.10											
	374	5.11	39.81	-100.77	-12.32	-48.63	67.90	-75.51	-302.47	-75.51	-
302.470.07											
	562	4.19	42.99	-90.10	-2.83	-44.27	63.24	-32.85	-213.55	-45.25	-
201.15-45.69											
	559	4.60	58.66	-77.35	-11.02	-7.67	67.98	-45.98	-280.62	-50.93	-
275.67-33.73											
512 206	354	3.26	57.26	-27.62	12.35	17.30	42.37	-9.99	-183.83	-17.92	-
175.90-36.27											
	374	4.56	33.41	-83.67	-6.40	-43.86	55.46	-66.87	-318.87	-66.97	-
318.77-5.09											
	562	3.51	34.09	-73.86	-0.49	-39.28	50.37	-24.59	-228.20	-37.51	-
215.29-49.62											
	559	4.11	48.96	-62.04	-10.23	-2.86	55.38	-38.15	-302.91	-43.89	-
297.16-38.58											
513 15	356	3.21	52.93	-38.24	7.81	6.87	45.58	44.29	-147.17	39.33	-
142.21-30.43											
	375	5.31	23.00	-123.69	-40.00	-60.70	72.61	42.78	-112.95	-64.72	-
5.45-72.00											
	563	4.30	40.58	-94.12	1.35	-54.88	61.20	99.47	1.73	28.24	
72.9643.45											
	560	4.55	52.23	-93.15	-20.67	-20.25	72.69	1.10	-55.12	-11.57	-
42.4523.49											
513 57	356	2.79	46.74	-37.86	4.49	4.39	42.30	110.84	56.44	82.31	
84.97-27.17											
	375	5.64	16.98	-123.15	-42.98	-63.18	69.33	194.52	-57.35	-32.24	
169.41-75.46											
	563	4.60	34.69	-93.81	-1.76	-57.36	57.93	247.39	47.53	49.38	
245.54 19.15											
	560	4.32	45.74	-93.09	-24.62	-22.73	69.41	182.53	20.07	20.14	
182.45 3.42											
513 133	356	2.06	34.54	-27.12	3.99	3.43	30.83	60.67	6.05	46.54	
20.19-23.92											
	375	4.11	12.54	-90.60	-29.83	-48.22	50.75	120.41	-48.83	-25.52	
97.10-58.32											
	563	3.32	24.54	-70.00	-1.52	-43.94	42.25	161.17	31.56	32.86	
159.8612.94											

	560	3.11	32.97	-68.04	-17.98	-17.08	50.50	110.29	8.44	8.46	
110.27 1.29											
513 159	356	2.35	32.01	-20.74	6.85	4.42	26.35	-15.82	-208.86	-22.32	-
202.36-34.82											
	375	3.32	13.35	-77.85	-18.35	-46.16	43.43	6.10	-113.92	-38.70	-
69.12-58.05											
	563	2.63	19.64	-63.18	-1.01	-42.53	35.83	23.84	-6.62	9.17	
8.0415.22											
	560	2.61	27.94	-56.45	-13.56	-14.95	42.19	-24.63	-62.79	-24.98	-
62.453.62											
513 164	356	2.37	25.39	-14.15	7.49	3.76	19.68	-53.88	-282.10	-62.52	-
273.46-43.55											
	375	2.74	11.31	-65.92	-8.86	-45.75	33.93	0.15	-149.14	-30.21	-
118.78-60.09											
	563	2.24	11.17	-56.51	-2.58	-42.77	27.23	-0.37	-28.78	-0.43	-
28.731.30											
	560	1.97	18.60	-44.84	-11.77	-14.47	31.69	-36.15	-86.35	-37.28	-
85.23-7.42											
513 187	356	2.31	24.56	-24.18	0.64	-0.26	24.37	-35.24	-216.20	-50.15	-
201.28-49.77											
	375	3.23	9.05	-75.12	-16.30	-49.77	38.62	32.54	-109.05	-19.97	-
56.54-68.39											
	563	2.59	11.73	-64.19	-5.68	-46.78	31.92	35.75	-1.22	2.02	
32.51-10.45											
	560	2.35	20.00	-52.88	-14.39	-18.49	36.38	-3.65	-43.48	-33.10	-
14.03-17.48											
513 210	356	3.24	26.66	-13.77	8.25	4.65	20.14	-90.89	-451.98	-95.85	-
447.02-42.04											
	375	3.26	12.39	-65.88	-8.21	-45.28	34.47	-42.62	-279.45	-58.57	-
263.51-59.35											
	563	2.42	12.46	-56.63	-1.84	-42.32	27.99	23.35	-28.80	11.92	-
17.3821.57											
	560	2.12	20.34	-44.62	-10.66	-13.63	32.45	-31.00	-82.65	-31.44	-
82.214.73											
514 15	359	6.06	64.67	-95.09	19.72	-50.13	71.84	-62.72	-423.59	-63.72	-
422.60-18.94											
	382	9.43	-30.89	-181.39	-64.59	-147.68	62.74	-171.45	-808.96	-182.30	-
798.10-82.47											
	564	5.16	64.19	-92.97	56.34	-85.12	34.23	90.65	-228.53	-23.22	-
114.66-152.90											
	561	7.64	69.08	-130.02	-4.77	-56.17	96.18	56.81	-320.70	-68.64	-
195.24-177.82											
514 35	359	5.45	62.69	-105.73	14.24	-57.28	76.24	-19.46	-288.11	-29.75	-
277.82-51.56											
	382	9.19	-33.32	-191.93	-70.41	-154.84	67.14	-140.12	-758.87	-164.61	-
734.39-120.62											
	564	6.37	67.62	-101.60	58.29	-92.27	38.63	189.71	-261.73	-17.84	-
54.18-224.99											
	561	8.83	72.06	-138.05	-2.67	-63.32	100.58	193.46	-295.41	-48.47	-
53.48-244.42											
514 112	359	4.67	46.49	-74.78	11.96	-40.24	54.73	-48.24	-306.99	-48.25	-
306.98 0.97											
	382	7.14	-24.01	-138.85	-47.19	-115.67	46.10	-128.32	-586.77	-134.44	-
580.65-52.61											
	564	3.75	46.20	-72.08	40.91	-66.79	24.45	46.33	-156.35	-25.66	-
84.36-97.00											
	561	5.51	51.51	-98.70	-3.23	-43.96	72.29	25.08	-213.80	-52.14	-
136.58-111.73											
514 159	359	4.77	35.95	-80.12	1.52	-45.70	53.01	-33.43	-260.51	-45.75	-
248.1851.45											
	382	6.77	-23.63	-137.81	-39.08	-122.36	39.05	-114.76	-473.37	-115.61	-
472.52-17.43											
	564	3.37	36.15	-74.21	33.02	-71.07	18.33	-29.69	-93.21	-51.02	-
71.89-30.00											
	561	4.35	46.29	-94.52	-1.81	-46.41	66.78	-34.19	-108.15	-49.97	-
92.37-30.30											
514 164	359	4.95	25.44	-85.51	-8.91	-51.16	51.30	9.09	-241.74	-43.26	-
189.39101.93											
	382	6.41	-21.45	-138.58	-30.96	-129.06	32.00	-95.61	-365.56	-96.78	-

364.3917.75											
	564	3.29	26.59	-76.82	25.13	-75.36	12.22	-29.93	-105.86	-76.37	-
59.4237.00											
	561	4.51	41.26	-90.51	-0.40	-48.85	61.27	3.15	-99.10	-47.80	-
48.1551.12											
514 193	359	5.85	24.75	-98.04	-15.58	-57.71	57.67	-40.87	-366.66	-77.31	-
330.22102.69											
	382	7.40	-24.94	-148.92	-38.24	-135.61	38.38	-123.13	-486.22	-126.33	-
483.0233.95											
	564	4.33	28.48	-85.03	25.35	-81.90	18.60	-66.38	-190.42	-83.62	-
173.1942.91											
	561	5.41	45.70	-100.66	0.44	-55.40	67.65	-36.06	-205.82	-57.80	-
184.0856.72											
514 203	359	5.89	23.91	-85.31	-9.97	-51.43	50.52	-56.29	-458.78	-86.73	-
428.34106.42											
	382	7.25	-23.03	-138.45	-31.97	-129.51	30.86	-119.08	-505.63	-121.43	-
503.2830.05											
	564	3.95	25.97	-76.70	24.74	-75.48	11.15	35.36	-208.47	-71.41	-
101.70120.97											
	561	5.37	40.32	-89.90	-0.69	-48.88	60.49	31.35	-214.27	-32.98	-
149.94107.99											
515 5	374	6.33	45.23	-112.89	-6.52	-61.14	74.20	-94.69	-438.35	-94.79	-
438.255.86											
	400	9.94	-15.77	-187.73	-26.07	-177.43	40.81	-151.65	-712.98	-158.21	-
706.42-60.33											
	565	4.66	30.54	-108.58	25.28	-103.33	26.51	-37.58	-197.00	-82.53	-
152.04-71.73											
	562	5.82	62.32	-118.08	5.03	-60.78	83.98	-43.01	-300.02	-70.76	-
272.28-79.76											
515 89	374	5.88	45.79	-95.59	0.69	-50.48	65.90	-105.40	-472.71	-105.46	-
472.65-4.75											
	400	9.76	-11.45	-173.58	-18.26	-166.77	32.51	-159.54	-739.99	-167.28	-
732.25-66.57											
	565	4.45	26.99	-95.45	24.22	-92.68	18.21	-28.03	-218.88	-70.50	-
176.42-79.38											
	562	5.41	56.88	-103.65	3.36	-50.13	75.68	-32.11	-333.03	-60.70	-
304.44-88.24											
515 107	374	4.85	34.52	-86.72	-5.30	-46.89	56.94	-73.12	-336.46	-73.21	-
336.374.80											
	400	7.63	-12.72	-144.44	-20.83	-136.33	31.66	-116.88	-547.50	-121.91	-
542.48-46.26											
	565	3.58	23.60	-83.34	19.61	-79.36	20.26	-29.10	-151.13	-63.74	-
116.49-55.02											
	562	4.47	47.64	-90.95	3.49	-46.80	64.57	-33.31	-229.81	-54.67	-
208.45-61.16											
515 157	374	4.77	32.75	-85.94	-7.19	-46.01	56.08	-74.91	-331.67	-75.08	-
331.496.68											
	400	7.52	-16.46	-144.71	-25.86	-135.31	33.42	-118.40	-541.36	-123.30	-
536.46-45.29											
	565	3.54	24.32	-82.17	20.67	-78.52	19.37	-30.33	-148.53	-65.36	-
113.49-53.98											
	562	4.45	45.72	-91.79	1.02	-47.09	64.41	-34.77	-223.46	-56.24	-
202.00-59.91											
515 164	374	4.77	32.75	-85.94	-7.19	-46.01	56.08	-74.91	-331.67	-75.08	-
331.496.68											
	400	7.52	-16.46	-144.71	-25.86	-135.31	33.42	-118.40	-541.36	-123.30	-
536.46-45.29											
	565	3.54	24.32	-82.17	20.67	-78.52	19.37	-30.33	-148.53	-65.36	-
113.49-53.98											
	562	4.45	45.72	-91.79	1.02	-47.09	64.41	-34.77	-223.46	-56.24	-
202.00-59.91											
515 173	374	5.45	26.75	-91.76	-11.33	-53.68	55.34	-101.70	-442.64	-102.22	-
442.1213.31											
	400	8.19	-21.64	-151.79	-30.44	-142.99	32.68	-141.16	-616.60	-143.84	-
613.92-35.61											
	565	4.26	23.45	-89.37	20.28	-86.20	18.63	-72.51	-199.90	-82.54	-
189.87-34.31											
	562	4.87	42.46	-96.46	0.77	-54.77	63.67	-72.77	-318.78	-79.88	-
311.67-41.21											
515 226	374	4.82	32.36	-83.38	-6.76	-44.26	54.75	-82.38	-367.88	-82.44	-

367.833.93											
	400	7.66	-15.33	-141.96	-24.32	-132.97	32.51	-123.75	-576.67	-128.92	-
571.49-48.13											
	565	3.51	21.77	-80.97	18.16	-77.37	18.90	-28.88	-147.92	-58.74	-
118.06-51.61											
	562	4.39	43.84	-89.86	-0.45	-45.57	62.93	-35.28	-238.79	-57.67	-
216.40-63.68											
516 15	375	4.72	37.99	-95.70	-3.55	-54.16	61.87	84.28	-49.10	-27.16	
62.33-49.45											
	402	7.78	-44.70	-194.83	-82.94	-156.59	65.41	396.79	105.48	105.51	
396.76 3.02											
	566	4.47	48.84	-98.12	44.12	-93.40	25.91	136.17	-11.72	46.67	
77.7872.29											
	563	5.83	41.17	-133.65	-22.99	-69.50	84.26	105.33	-20.36	27.58	
57.3961.05											
516 57	375	5.08	39.05	-87.55	-1.07	-47.43	58.90	250.38	0.59	12.37	
238.60-52.96											
	402	7.99	-43.47	-186.51	-80.11	-149.86	62.44	473.22	124.92	125.08	
473.06-7.57											
	566	4.63	46.17	-90.64	42.21	-86.68	22.94	156.79	44.37	50.94	
150.2226.37											
	563	5.45	39.13	-127.62	-25.72	-62.77	81.29	232.83	44.42	47.54	
229.7124.05											
516 133	375	3.74	27.02	-66.76	-1.94	-37.81	43.32	162.43	-7.12	5.66	
149.65-44.76											
	402	5.91	-33.30	-139.57	-56.88	-115.98	44.16	334.20	90.21	90.33	
334.09-5.33											
	566	3.41	32.87	-69.75	30.56	-67.43	15.24	102.37	34.20	39.15	
97.4117.70											
	563	3.98	28.53	-94.62	-17.57	-48.52	59.60	151.36	30.12	32.63	
148.8517.25											
516 159	375	3.13	16.98	-67.73	-6.40	-44.35	37.86	37.01	-76.28	-20.04	-
19.24-56.64											
	402	5.14	-30.61	-132.32	-42.42	-120.51	32.58	211.80	64.67	64.67	
211.80 -0.21											
	566	3.10	25.70	-72.85	24.97	-72.13	8.41	53.20	-1.26	37.63	
14.3124.61											
	563	3.62	24.71	-85.73	-9.47	-51.55	51.06	33.28	-19.23	13.17	
0.8825.53											
516 164	375	2.76	7.85	-63.47	-9.21	-46.41	30.42	30.35	-120.36	-19.39	-
70.62-70.87											
	402	4.61	-22.38	-124.24	-26.07	-120.56	19.01	140.43	52.00	52.06	
140.38 -2.15											
	566	3.07	18.12	-72.34	18.12	-72.34	-0.41	38.96	-20.51	38.94	-
20.500.90											
	563	3.07	20.19	-73.46	-3.19	-50.08	40.53	9.04	-34.22	7.01	-
32.209.14											
516 187	375	3.27	5.99	-71.96	-14.92	-51.04	34.54	73.16	-86.29	-5.49	-
7.64-79.72											
	402	5.04	-26.61	-130.62	-32.03	-125.19	23.13	183.64	60.54	61.56	
182.63-11.14											
	566	2.96	16.66	-77.12	16.51	-76.97	3.71	54.60	14.44	47.72	
21.32-15.13											
	563	3.26	21.48	-80.88	-4.68	-54.72	44.65	32.34	16.05	18.32	
30.06-5.65											
516 211	375	3.20	6.82	-63.59	-9.89	-46.88	29.95	122.42	-39.13	9.30	
73.99-74.01											
	402	5.09	-23.03	-123.68	-26.54	-120.17	18.45	223.13	66.19	66.42	
222.90-5.95											
	566	3.12	17.89	-71.79	17.87	-71.77	-1.28	39.45	-48.31	26.99	-
35.84-30.64											
	563	2.87	18.87	-73.35	-3.90	-50.58	39.77	0.81	-46.41	-3.09	-
42.51-13.00											
517 15	382	10.39	10.80	-172.54	3.27	-165.01	36.39	-204.80	-851.62	-230.36	-
826.06-126.00											
	405	6.63	55.73	-14.17	-13.75	55.31	5.39	33.86	-660.96	20.03	-
647.12-97.06											
	567	3.86	25.74	-26.26	21.95	-22.46	13.52	463.87	150.73	457.37	
157.2244.62											

	564	4.68	33.74	-82.34	22.07	-70.66	34.92	40.52	-277.38	-117.17	-
119.69-158.95											
517 35	382	9.86	7.08	-168.83	0.31	-162.06	33.84	-168.19	-811.22	-215.80	-
763.61-168.37											
	405	6.74	58.37	-14.81	-14.70	58.26	2.84	48.74	-658.67	27.35	-
637.29-121.13											
	567	4.14	28.91	-22.00	26.42	-19.51	10.97	512.37	162.96	512.37	
162.96-0.38											
	564	5.17	34.69	-77.94	24.46	-67.71	32.37	164.77	-274.39	-56.11	-
53.51-219.58											
517 122	382	7.41	1.49	-130.34	-2.81	-126.05	23.41	-129.13	-586.58	-157.92	-
557.78-111.09											
	405	4.62	38.17	-10.17	-10.16	38.16	0.79	30.66	-464.59	14.97	-
448.90-86.76											
	567	2.89	18.87	-18.75	18.31	-18.19	4.55	347.49	107.47	347.39	
107.56 4.76											
	564	3.72	26.23	-61.16	19.08	-54.00	23.96	94.94	-188.25	-50.38	-
42.93-141.54											
517 163	382	6.12	-21.12	-133.96	-21.36	-133.72	5.26	-103.14	-334.12	-103.69	-
333.5811.22											
	405	1.64	6.39	-12.35	-2.16	-3.80	-9.34	-12.58	-192.21	-28.56	-
176.23-51.14											
	567	1.91	12.95	-46.98	3.50	-37.53	-21.84	35.97	-20.11	25.50	-
9.6421.85											
	564	3.03	22.95	-68.36	19.76	-65.17	16.76	-17.79	-117.67	-110.03	-
25.4326.54											
517 164	382	6.35	-22.22	-135.39	-22.58	-135.04	6.36	-105.10	-365.61	-105.38	-
365.328.64											
	405	1.61	4.43	-12.22	-2.67	-5.12	-8.23	-12.40	-192.40	-24.51	-
180.29-45.09											
	567	2.02	13.45	-47.07	5.23	-38.85	-20.73	63.38	-27.85	43.61	-
8.0937.58											
	564	2.98	24.31	-70.01	20.79	-66.49	17.87	-33.69	-118.04	-97.30	-
54.4336.33											
517 193	382	7.17	-24.74	-139.15	-25.69	-138.21	10.36	-114.10	-480.06	-114.42	-
479.7510.71											
	405	1.55	-1.44	-10.91	-4.05	-8.29	-4.23	-11.27	-196.62	-13.68	-
194.21-20.99											
	567	2.43	14.54	-46.97	9.58	-42.02	-16.73	148.69	-67.22	88.11	-
6.6497.01											
	564	4.19	28.34	-74.54	23.47	-69.66	21.87	-23.92	-209.59	-71.57	-
161.9481.10											
517 203	382	7.11	-22.76	-135.48	-23.05	-135.19	5.70	-130.86	-490.27	-132.49	-
488.6424.14											
	405	1.62	5.44	-16.03	-4.04	-6.55	-10.66	-8.56	-177.49	-16.89	-
169.16-36.58											
	567	2.58	13.97	-47.71	5.05	-38.80	-21.69	68.05	-110.37	-10.97	-
31.3688.63											
	564	3.86	23.20	-69.82	20.16	-66.78	16.55	48.12	-226.17	-84.32	-
93.73137.06											
518 5	400	9.85	-40.76	-178.34	-41.10	-178.00	6.80	-276.19	-786.36	-293.26	-
769.29-91.76											
	423	5.10	-6.53	-55.73	-9.21	-53.05	-11.16	125.34	-438.13	113.69	-
426.48-80.18											
	585	3.47	8.80	-75.31	-2.71	-63.81	-28.90	314.78	31.83	305.85	
40.7749.49											
	565	4.77	41.59	-108.90	32.44	-99.74	35.97	-62.36	-196.96	-129.52	-
129.80-67.30											
518 51	400	8.17	-35.10	-170.70	-37.74	-168.06	18.74	-222.55	-577.86	-254.80	-
545.62-102.07											
	423	4.24	-9.96	-43.66	-9.99	-43.63	0.95	135.60	-377.96	120.22	-
362.58-87.54											
	585	2.93	-0.35	-59.52	-5.46	-54.40	-16.62	325.21	100.85	324.96	
101.09-7.34											
	565	6.23	47.04	-107.01	30.68	-90.64	47.47	160.36	-146.63	-73.79	
87.52-130.60											
518 130	400	6.44	-27.08	-131.77	-28.85	-130.00	13.50	-176.98	-463.88	-199.47	-
441.38-77.12											
	423	3.33	-7.90	-34.43	-7.91	-34.42	-0.52	102.42	-297.06	90.91	-

285.55-66.83
585 2.30 0.76 -46.98 -3.68 -42.54 -13.87 247.42 72.32 247.42
72.32 0.10
565 4.62 35.00 -82.31 23.26 -70.57 35.20 99.50 -117.13 -62.89
45.25-93.85
518 157 400 7.47 -27.12 -135.23 -27.65 -134.70 7.56 -209.60 -594.72 -222.03 -
582.29-68.06
423 3.85 -7.11 -42.31 -9.40 -40.02 -8.68 90.36 -338.36 80.73 -
328.73-63.52
585 2.59 7.68 -55.00 -0.30 -47.03 -20.89 237.83 29.94 230.85
36.9237.44
565 3.55 27.91 -82.91 21.07 -76.08 26.67 -49.51 -151.39 -102.71 -
98.19-50.89
518 164 400 7.47 -27.12 -135.23 -27.65 -134.70 7.56 -209.60 -594.72 -222.03 -
582.29-68.06
423 3.85 -7.11 -42.31 -9.40 -40.02 -8.68 90.36 -338.36 80.73 -
328.73-63.52
585 2.59 7.68 -55.00 -0.30 -47.03 -20.89 237.83 29.94 230.85
36.9237.44
565 3.55 27.91 -82.91 21.07 -76.08 26.67 -49.51 -151.39 -102.71 -
98.19-50.89
518 187 400 7.34 -27.54 -142.57 -29.80 -140.32 15.93 -211.05 -556.38 -228.43 -
538.99-75.51
423 3.91 -10.71 -45.65 -10.71 -45.64 -0.30 81.14 -349.38 67.09 -
335.33-76.50
585 2.69 5.75 -55.33 3.07 -52.65 -12.51 205.14 27.53 204.45
28.21 11.02
565 4.47 33.97 -92.31 23.35 -81.70 35.04 -9.24 -168.01 -121.53 -
55.72-72.24
518 228 400 7.58 -27.11 -132.77 -27.64 -132.24 7.44 -217.17 -625.18 -229.92 -
612.43-71.00
423 3.88 -6.97 -41.98 -8.54 -40.41 -7.25 96.26 -340.03 87.60 -
331.37-60.84
585 2.59 4.56 -55.47 -3.26 -47.65 -20.20 267.00 29.49 255.68
40.8050.60
565 3.49 27.14 -82.07 19.65 -74.58 27.61 -43.17 -143.92 -92.57 -
94.52-50.37
519 7 402 6.32 -30.81 -169.82 -32.78 -167.85 -16.43 194.29 80.98 81.86
193.41 9.95
425 2.11 9.51 -26.35 2.87 -19.72 -13.93 132.06 -40.01 -5.88
97.9368.61
586 3.96 20.31 -87.54 3.69 -70.91 -38.94 -113.39 -170.30 -113.62 -
170.08-3.60
566 4.19 26.00 -88.64 25.71 -88.35 5.74 112.88 -28.42 112.60 -
28.146.26
519 29 402 6.26 -24.09 -155.87 -27.76 -152.20 -21.68 262.88 92.73 95.38
260.23-21.09
425 1.84 21.47 -22.96 4.50 -5.98 -21.59 82.42 -18.87 -0.75
64.3038.82
586 4.43 29.07 -79.60 3.89 -54.42 -45.85 -69.50 -225.41 -103.53 -
191.38-64.40
566 3.39 22.19 -74.28 22.15 -74.23 -2.15 159.95 16.84 132.50
44.29-56.34
519 119 402 4.80 -19.04 -120.77 -21.47 -118.34 -15.53 193.82 69.09 70.50
192.40-13.20
425 1.43 14.82 -18.09 2.87 -6.14 -15.82 67.45 -16.29 -0.59
51.7532.69
586 3.32 21.53 -61.32 3.20 -42.99 -34.39 -57.70 -165.08 -79.64 -
143.13-43.30
566 2.65 16.73 -58.58 16.72 -58.57 -0.90 114.68 11.45 99.08
27.04-36.97
519 158 402 4.79 -22.47 -128.20 -23.41 -127.25 -9.96 147.09 56.56 57.13
146.52 7.16
425 1.58 5.79 -20.84 0.43 -15.47 -10.68 98.26 -28.86 -2.26
71.67 51.71
586 2.91 16.20 -64.20 3.80 -51.80 -29.03 -82.84 -121.95 -83.06 -
121.73-2.94
566 3.12 17.10 -68.07 16.90 -67.87 4.19 83.35 -19.19 83.14 -
18.974.66

519	164	402	4.75	-21.60	-127.17	-22.22	-126.55	-8.08	142.33	51.43	51.89
141.87	6.45										
		425	1.55	4.60	-21.68	-0.96	-16.12	-10.73	94.13	-28.18	-0.70
66.66	51.04										
		586	2.84	16.77	-62.56	4.52	-50.31	-28.67	-79.47	-116.81	-79.67	-
116.61	-2.73										
		566	3.05	14.84	-68.32	14.65	-68.13	3.97	80.81	-18.81	80.61	-
18.61	4.44										
519	177	402	4.71	-23.63	-134.09	-23.97	-133.75	-6.14	105.47	34.22	41.41
98.28	21.47										
		425	1.69	0.55	-26.57	-2.69	-23.32	-8.80	99.62	-43.21	-3.72
60.14	63.88										
		586	2.87	15.14	-67.35	5.30	-57.51	-26.74	-76.78	-133.96	-86.83	-
123.91	21.77										
		566	3.58	15.82	-75.71	15.44	-75.33	5.91	72.75	-70.09	65.74	-
63.08	30.86										
519	209	402	4.35	-21.51	-127.92	-22.03	-127.40	-7.42	76.32	32.86	38.40
70.78	14.50										
		425	1.58	3.24	-22.11	-1.17	-17.70	-9.61	99.77	-32.45	-0.18
67.49	56.79										
		586	2.70	16.30	-63.21	5.02	-51.93	-27.74	-93.12	-129.68	-104.20	-
118.59	16.80										
		566	3.16	15.46	-69.42	15.16	-69.13	4.99	116.07	-15.76	99.60	
0.70	43.58										
520	15	567	4.54	83.39	-67.05	18.96	-2.62	-74.44	74.71	-599.80	-597.16	
72.07	42.11										
		568	5.47	43.02	-104.55	32.12	-93.65	-38.61	437.70	-358.23	-70.54	
150.02	382.38										
		406	7.73	26.50	-167.29	-5.16	-135.64	-71.64	879.55	9.11	60.87	
827.79	205.86										
		405	4.51	101.47	-15.37	0.62	85.49	-40.15	603.34	-64.33	-44.41	
583.42	113.60										
520	57	567	4.15	73.28	-59.70	20.46	-6.88	-65.07	136.52	-678.94	-672.80	
130.38	-70.47										
		568	5.57	36.55	-104.26	30.20	-97.91	-29.23	510.27	-260.26	-122.41	
372.42	295.32										
		406	8.36	15.53	-164.84	-9.41	-139.90	-62.26	1124.03	53.73	111.12	
1066.64	241.11										
		405	4.66	91.43	-11.57	-1.36	81.23	-30.77	665.66	-33.73	-27.17	
659.09	67.45										
520	133	567	2.98	51.26	-45.64	14.19	-8.57	-47.09	100.13	-459.72	-456.40	
96.81	-42.97										
		568	3.88	24.83	-77.85	22.47	-75.49	-15.39	358.18	-161.67	-63.02	
259.54	203.83										
		406	6.13	7.55	-124.91	-8.51	-108.85	-43.24	816.85	58.17	93.72	
781.31	160.32										
		405	3.28	59.87	-7.80	-1.57	53.64	-19.57	500.30	-19.13	-13.58	
494.75	53.40										
520	159	567	2.50	38.14	-47.27	8.67	-17.79	-40.61	69.25	-235.69	-232.49	
66.05	31.09										
		568	2.54	20.84	-74.87	20.63	-74.65	4.52	235.09	-81.76	55.46	
97.87	157.00										
		406	4.97	-2.29	-120.38	-11.22	-111.45	-31.23	583.66	94.43	103.74	
574.36	66.81										
		405	2.30	29.08	-5.38	-2.62	26.32	-9.36	442.13	-7.95	4.46	
429.71	73.71										
520	164	567	1.86	19.78	-45.50	4.14	-29.85	-27.87	80.64	-65.49	-59.01	
74.16	30.09										
		568	2.79	26.63	-85.77	17.51	-76.65	30.68	170.84	53.00	139.37	
84.47	52.13										
		406	4.52	-15.12	-118.54	-16.77	-116.89	-12.97	526.67	147.23	147.26	
526.65	-3.18										
		405	1.63	2.70	-11.53	-4.98	-3.84	7.09	425.36	23.78	34.00	
415.13	63.25										
520	196	567	1.94	13.60	-44.31	1.16	-31.86	-23.79	187.77	-116.16	-33.63	
105.23	-135.18										
		568	3.69	26.30	-90.18	14.78	-78.66	34.77	374.39	119.21	198.82	
294.78	-118.22										
		406	5.25	-16.11	-119.67	-16.87	-118.90	-8.88	749.12	185.99	199.41	

735.70-85.88
405 1.82 5.26 -17.10 -5.99 -5.85 11.18 452.76 46.94 48.43
451.27-24.55
520 202 567 1.72 21.09 -46.17 4.80 -29.88 -28.82 88.18 -126.85 -118.11
79.43-42.48
568 2.85 26.28 -85.67 18.43 -77.82 28.58 148.20 88.40 103.51
133.09-25.98
406 5.04 -15.78 -121.81 -17.71 -119.88 -14.18 659.19 165.77 166.48
658.48-18.74
405 1.64 -0.52 -8.72 -6.38 -2.85 3.70 446.10 41.50 47.71
439.8949.75
521 5 568 3.26 36.95 -102.30 26.95 -92.29 -35.97 170.42 110.28 162.51
118.1820.32
569 4.25 52.34 -133.44 0.46 -81.56 83.35 93.64 60.49 90.28
63.85-10.00
407 3.49 -9.31 -84.30 -16.40 -77.21 21.94 417.03 28.02 99.48
345.56-150.64
406 6.21 -9.38 -170.68 -25.25 -154.80 48.05 696.53 192.79 194.58
694.7529.97
521 51 568 4.87 33.12 -110.32 31.95 -109.16 -12.87 555.76 138.30 194.28
499.78142.24
569 5.94 69.40 -162.91 5.15 -98.66 103.91 581.71 97.36 113.42
565.6486.73
407 5.66 -12.17 -118.14 -35.86 -94.45 44.15 881.70 169.26 189.19
861.77-117.49
406 7.92 -13.17 -201.23 -43.52 -170.88 69.19 1095.46 249.32 257.86
1086.9284.58
521 130 568 3.57 25.71 -83.33 24.34 -81.96 -12.17 384.40 105.93 145.14
345.1896.86
569 4.36 51.05 -122.20 2.91 -74.06 77.61 394.43 73.97 84.33
384.0756.68
407 4.12 -9.30 -87.12 -25.84 -70.59 31.83 626.57 117.13 134.79
608.91-93.19
406 5.90 -10.65 -151.66 -32.74 -129.57 51.25 800.29 185.81 191.57
794.5359.23
521 161 568 2.68 29.13 -77.05 23.43 -71.35 -23.93 163.87 98.64 121.76
140.7531.20
569 3.40 38.29 -106.30 -3.40 -64.62 65.49 119.25 68.12 68.43
118.94 3.94
407 2.92 -8.46 -68.23 -17.09 -59.60 21.01 366.49 36.94 76.91
326.53-107.58
406 4.91 -14.17 -136.10 -30.44 -119.83 41.46 578.85 154.17 156.09
576.9428.44
521 164 568 2.48 30.07 -76.23 22.75 -68.91 -26.92 124.04 83.09 117.20
89.9215.27
569 3.20 35.88 -102.02 -3.96 -62.17 62.50 69.56 48.06 65.33
52.29-8.55
407 2.63 -7.88 -63.74 -14.47 -57.16 18.02 308.93 14.00 64.98
257.96-111.52
406 4.67 -13.67 -131.66 -27.93 -117.39 38.47 525.58 146.26 147.47
524.3721.37
521 180 568 3.14 27.53 -78.35 24.02 -74.84 -18.95 283.43 119.82 120.44
282.8110.03
569 4.27 42.10 -113.18 -2.97 -68.11 70.48 357.24 77.53 78.58
356.19-17.12
407 3.83 -9.10 -75.60 -21.61 -63.09 25.99 599.86 92.30 121.18
570.98-117.58
406 5.54 -14.88 -143.22 -34.77 -123.32 46.45 726.47 180.42 181.01
725.8817.92
521 222 568 2.69 30.06 -77.40 22.25 -69.59 -27.90 247.49 18.38 113.51
152.36-112.90
569 4.06 34.92 -102.07 -4.17 -62.98 61.87 259.46 -10.34 62.03
187.10-119.53
407 3.73 -9.73 -64.32 -15.84 -58.21 17.21 635.69 89.92 128.36
597.25-139.65
406 5.30 -15.71 -132.06 -29.31 -118.47 37.37 695.69 173.70 173.92
695.47-10.64
522 16 569 7.74 109.60 -124.09 67.81 -82.30 -89.55 468.02 -389.17 -106.20
185.05403.10

	570	7.55	140.12	-99.60	129.73	-89.21	-48.80	470.49	-493.14	-125.87	103.23468.00
	408	9.46	161.24	-197.82	-38.78	2.20	-178.36	237.49	-279.94	6.21	-48.67257.25
	407	3.77	-12.31	-121.70	-79.71	-54.31	-53.20	275.71	-179.87	-130.13	225.98142.07
522	102	569	8.15	111.99	-124.09	65.82	-77.92	-93.64	808.53	-135.09	-74.04	747.48232.12
		570	8.82	139.47	-97.31	127.00	-84.83	-52.89	975.67	-150.09	-51.29	876.87318.54
		408	9.45	166.05	-202.15	-42.67	6.58	-182.45	794.77	80.36	138.56	736.56195.43
		407	4.67	-6.85	-126.11	-83.03	-49.93	-57.29	804.22	-44.20	-40.01	800.0359.45
522	112	569	5.37	69.83	-97.87	44.19	-72.23	-60.35	326.43	-233.13	-52.24	145.55261.72
		570	4.51	78.70	-69.60	77.21	-68.11	-14.76	294.96	-328.67	-99.71	66.01300.60
		408	5.97	103.40	-127.05	-25.02	1.36	-114.47	96.59	-207.93	-16.18	-95.15147.05
		407	2.27	-38.58	-76.69	-58.16	-57.11	-19.05	217.83	-87.06	-73.68	204.4462.47
522	163	569	1.87	-3.34	-51.28	-3.51	-51.11	-2.87	214.52	39.83	62.81	191.53-59.05
		570	2.91	25.75	-79.12	-28.42	-24.95	52.41	184.58	-51.92	-30.82	163.48-67.41
		408	1.11	13.56	-11.27	1.63	0.66	12.41	64.95	-110.15	-31.57	-13.62-87.09
		407	3.71	14.75	-92.31	-15.80	-61.75	48.35	336.68	11.53	59.27	288.94-115.08
522	164	569	1.43	-2.99	-52.16	-3.07	-52.08	-1.96	82.85	39.36	55.67	66.55-21.05
		570	2.59	26.46	-80.19	-27.82	-25.92	53.32	11.44	-67.28	-47.40	-8.44-34.20
		408	1.22	14.48	-12.30	2.50	-0.31	13.32	-27.49	-221.61	-60.98	-188.12-73.35
		407	3.39	15.83	-93.62	-15.07	-62.72	49.26	214.69	-14.08	39.24	161.37-96.72
522	196	569	3.04	-3.65	-51.47	-3.70	-51.43	-1.46	527.75	48.82	84.25	492.31-125.36
		570	3.98	26.79	-80.90	-28.85	-25.26	53.82	584.64	-18.79	8.60	557.26-125.59
		408	1.89	12.85	-14.92	-2.41	0.35	13.82	418.48	3.87	36.40	385.95-111.48
		407	4.63	13.21	-94.96	-19.68	-62.07	49.76	636.64	67.59	108.77	595.46-147.44
522	222	569	2.08	-3.16	-53.02	-3.30	-52.89	-2.59	276.00	-18.05	54.52	203.43-126.78
		570	3.23	25.73	-80.25	-27.47	-27.06	52.99	234.31	-81.27	-38.51	191.56-108.00
		408	1.54	12.47	-13.28	0.94	-1.76	12.80	296.95	-10.02	21.74	265.19-93.50
		407	4.28	13.79	-94.01	-16.39	-63.84	48.40	536.19	67.39	101.81	501.76-122.29
523	15	570	9.25	145.37	-154.70	105.20	-114.53	-102.18	478.48	-473.70	-116.37	121.15461.04
		571	16.14	452.51	-129.57	405.07	-82.13	-159.27	614.12	-585.51	-118.69	147.31584.88
		409	16.73	303.12	-347.56	-87.93	43.49	-318.64	258.69	-555.46	-65.29	-231.49398.50
		408	8.26	152.23	-156.98	-24.18	19.44	-153.06	129.73	-349.28	-78.71	-140.85237.48
523	102	570	10.50	151.96	-151.66	110.81	-110.51	-103.93	1026.40	-144.92	-19.04	900.52362.76
		571	17.83	468.21	-135.61	414.11	-81.52	-172.44	1256.26	-182.20	15.31	1058.75495.08
		409	16.43	299.42	-356.84	-95.26	37.84	-321.31	921.86	-41.44	118.37	762.04358.35
		408	8.76	163.23	-175.18	-29.85	17.90	-167.51	758.14	12.92	71.19	

699.87200.08											
523 155	570	7.07	94.49	-110.74	64.93	-81.19	-72.06	671.70	-105.43	-29.45	
595.72230.81											
	571	11.50	294.66	-89.35	263.38	-58.08	-105.04	816.73	-150.03	-20.58	
687.28329.22											
	409	10.99	204.25	-236.82	-61.02	28.46	-215.95	526.78	-69.58	47.92	
409.28237.21											
	408	5.18	97.20	-105.63	-19.02	10.59	-100.33	434.78	-2.58	27.38	
404.82110.48											
523 159	570	3.18	36.97	-68.04	19.87	-50.95	-38.77	126.49	-161.24	-67.27	
32.52134.94											
	571	4.67	121.88	-42.15	113.45	-33.72	-36.22	163.97	-238.31	-91.91	
17.57193.55											
	409	5.80	108.92	-114.02	-25.09	19.99	-109.17	-4.29	-315.20	-74.45	-
245.04129.97											
	408	1.76	31.00	-33.37	-6.57	4.19	-31.73	-45.22	-167.10	-60.38	-
151.9440.22											
523 164	570	0.96	-16.09	-33.26	-26.81	-22.54	-8.31	5.68	-69.82	-50.26	-
13.88-33.08											
	571	1.71	8.04	-57.30	-38.08	-11.19	29.77	-55.48	-92.54	-92.37	-
55.65-2.49											
	409	1.20	13.91	3.23	7.44	9.70	-5.22	-92.85	-296.38	-92.98	-
296.26-5.06											
	408	1.99	33.50	-34.90	2.64	-4.04	34.04	-29.87	-215.66	-60.25	-
185.28-68.71											
523 193	570	2.32	-13.50	-32.17	-26.59	-19.08	-8.55	-110.43	-583.16	-112.70	-
580.8932.66											
	571	2.93	10.36	-55.96	-37.87	-7.74	29.54	-164.73	-703.75	-169.75	-
698.7251.80											
	409	3.48	18.38	7.47	12.70	13.15	-5.45	-204.80	-946.90	-205.32	-
946.3719.73											
	408	3.04	37.63	-30.48	7.74	-0.59	33.80	-155.66	-761.11	-157.46	-
759.32-32.92											
523 223	570	1.19	-15.72	-32.81	-27.18	-21.35	-8.03	-50.37	-223.36	-59.62	-
214.1038.92											
	571	2.04	8.52	-57.63	-39.25	-9.87	29.63	-100.42	-304.04	-106.80	-
297.6735.46											
	409	2.97	14.95	5.25	8.98	11.22	-4.72	-186.73	-809.79	-186.80	-
809.72 6.46											
	408	2.77	35.65	-33.94	4.28	-2.57	34.62	-138.74	-643.62	-143.91	-
638.46-50.80											
524 16	571	12.17	184.38	-337.82	176.79	-330.23	62.50	637.31	-508.72	-84.98	
213.58553.23											
	572	77.22	2594.36	-568.45	1851.09	174.82	-1341.04	859.73	-644.82	-50.12	
265.02735.59											
	410	36.07	133.90	-1343.23	-1341.32	131.99	53.04	617.27	-436.49	11.15	
169.62520.89											
	409	29.14	882.76	-285.41	267.53	329.82	-583.26	325.73	-531.01	-43.55	-
161.73424.27											
524 36	571	13.31	194.82	-343.46	185.75	-334.39	69.28	854.07	-444.17	-66.00	
475.89589.87											
	572	77.57	2594.91	-563.69	1860.56	170.66	-1334.26	1066.47	-578.58	-33.58	
521.47774.29											
	410	36.68	130.25	-1350.09	-1347.67	127.83	59.82	819.94	-343.56	46.45	
429.92549.24											
	409	28.80	870.55	-284.23	260.67	325.66	-576.48	502.16	-404.62	-6.84	
104.38449.96											
524 122	571	8.83	115.15	-232.34	111.30	-228.49	36.37	547.43	-322.22	-74.41	
299.63392.55											
	572	51.57	1714.68	-382.36	1225.58	106.73	-886.82	710.04	-418.22	-45.98	
337.80530.49											
	410	24.26	80.07	-899.44	-898.36	78.99	32.52	514.00	-287.43	9.28	
217.29386.98											
	409	19.10	579.18	-181.29	176.30	221.59	-379.56	267.08	-332.28	-35.64	-
29.56299.67											
524 159	571	4.05	33.87	-121.22	33.86	-121.21	1.19	166.79	-220.02	-89.15	
35.92183.01											
	572	25.45	834.29	-202.67	587.44	44.19	-441.63	284.08	-279.31	-63.88	
68.64273.79											

	410	11.68	31.56	-446.95	-446.94	31.54	2.96	155.43	-277.20	-39.65	-
82.12215.27											
	409	9.57	291.89	-78.75	94.22	118.92	-184.91	1.48	-330.36	-76.67	-
252.21140.81											
524 164	571	1.70	4.12	-58.41	-37.60	-16.70	-29.47	-52.79	-91.36	-91.24	-
52.90-2.09											
	572	1.35	-18.61	-46.91	-44.38	-21.13	8.07	-2.56	-97.74	-70.76	-
29.5542.89											
	410	1.39	14.81	-33.24	0.26	-18.69	-22.08	-41.60	-231.44	-65.06	-
207.9962.47											
	409	1.42	25.08	-4.05	7.56	13.47	14.26	-93.23	-297.45	-93.23	-
297.45-0.93											
524 193	571	3.01	11.67	-63.01	-37.48	-13.86	-35.43	-144.28	-693.13	-145.97	-
691.4330.42											
	572	2.69	-18.13	-44.53	-44.36	-18.30	2.11	-122.23	-698.69	-130.06	-
690.8666.72											
	410	3.54	24.02	-35.56	4.31	-15.85	-28.03	-150.53	-884.57	-158.84	-
876.2777.64											
	409	3.56	22.75	5.60	12.04	16.31	8.30	-181.86	-943.56	-182.47	-
942.9521.48											
524 223	571	1.91	4.91	-58.91	-38.69	-15.31	-29.69	-99.97	-305.90	-107.52	-
298.3538.69											
	572	1.63	-18.32	-49.36	-47.29	-20.38	7.73	-64.90	-298.16	-69.39	-
293.6732.06											
	410	2.96	15.74	-31.74	1.77	-17.78	-21.63	-152.06	-729.34	-159.21	-
722.1963.83											
	409	3.12	27.21	-3.18	9.03	15.00	14.90	-186.32	-810.97	-186.38	-
810.915.96											
525 16	572	81.53	879.01	-2600.36	-1735.32	13.96	-1503.83	794.74	-621.81	-116.28	
289.20678.64											
	573	36.88	129.77	-1340.16	-1336.34	125.95	74.80	1319.30	-389.29	214.69	
715.32816.80											
	411	29.54	20.74	-1028.68	-573.86	-434.08	-520.03	964.99	-345.38	-36.71	
656.33556.05											
	410	17.34	622.89	13.66	589.60	46.94	138.45	747.78	-381.83	146.91	
219.04563.65											
525 102	572	81.09	875.14	-2599.11	-1743.88	19.90	-1496.62	1568.23	-334.04	5.98	
1228.21728.83											
	573	39.00	136.43	-1349.55	-1345.01	131.89	82.01	2036.42	-145.11	320.64	
1570.68893.93											
	411	30.49	17.81	-1017.86	-571.90	-428.14	-512.82	1739.47	-79.06	153.77	
1506.65607.61											
	410	17.20	628.04	15.99	591.15	52.88	145.66	1438.93	95.52	358.50	
1175.95533.03											
525 155	572	54.61	580.08	-1755.10	-1174.02	-1.00	-1009.59	1047.42	-249.80	-15.45	
813.07499.08											
	573	25.71	58.20	-909.34	-906.57	55.43	51.63	1393.21	-93.64	229.90	
1069.67613.50											
	411	21.28	4.42	-707.54	-386.52	-316.61	-354.26	1219.01	-60.24	112.61	
1046.17437.31											
	410	11.43	415.79	9.27	392.85	32.20	93.79	916.74	10.53	214.64	
712.62378.56											
525 159	572	28.26	286.53	-911.71	-601.31	-23.88	-524.97	269.01	-261.72	-77.64	
84.93252.61											
	573	11.83	-22.21	-466.05	-465.25	-23.01	18.85	513.91	-126.52	103.86	
283.53307.35											
	411	11.73	-6.30	-402.54	-201.78	-207.06	-198.10	445.04	-134.83	7.96	
302.25249.82											
	410	5.84	202.14	1.43	194.03	9.54	39.52	202.17	-271.60	0.25	-
69.68234.29											
525 164	572	2.00	-2.76	-74.34	-34.30	-42.80	-35.53	6.85	-82.38	-58.33	-
17.2139.59											
	573	2.48	-28.50	-98.69	-29.71	-97.49	-9.13	111.53	4.55	48.44	
67.6452.63											
	411	3.42	-0.86	-108.43	-15.74	-93.55	-37.14	185.48	-29.97	30.29	
125.2196.71											
	410	1.02	3.84	-16.76	-3.76	-9.15	-9.94	-44.50	-242.62	-73.08	-
214.0469.61											
525 192	572	3.50	-8.41	-67.27	-36.95	-38.72	-29.42	653.87	16.05	26.51	

643.4181.00
573 4.43 -32.03 -93.56 -32.18 -93.41 -3.01 688.98 98.66 121.16
666.48113.03
411 5.04 -4.03 -100.73 -15.30 -89.47 -31.02 751.87 130.54 162.63
719.78137.51
410 1.77 -0.60 -8.33 -3.86 -5.08 -3.82 467.32 66.65 74.77
459.2056.47
525 224 572 2.47 -3.89 -74.53 -36.34 -42.08 -35.20 265.33 -56.91 -54.79
263.20 26.11
573 3.67 -33.95 -101.08 -35.21 -99.82 -9.11 406.81 -51.64 27.92
327.24173.62
411 4.57 -0.44 -108.04 -14.53 -93.95 -36.31 545.97 85.91 113.94
517.95110.03
410 1.50 2.63 -16.77 -4.50 -9.64 -9.35 292.94 -8.31 13.53
271.1078.12
526 16 573 46.77 -201.26 -1842.46 -1735.36 -308.37 -405.35 1269.58 -446.64 325.38
497.56853.78
574 39.82 18.65 -1504.81 -1496.85 10.69 -109.81 676.60 -433.15 336.37 -
92.91511.68
412 16.11 -165.77 -570.88 -365.03 -371.62 -202.53 1175.69 242.96 335.64
1083.01279.03
411 11.97 71.02 -283.61 -86.25 -126.34 -176.18 1020.28 -203.87 17.19
799.22470.89
526 80 573 47.48 -204.75 -1873.67 -1762.20 -316.23 -416.67 1690.78 -274.43 389.36
1027.00929.45
574 39.94 12.40 -1530.12 -1520.55 2.83 -121.12 926.93 -252.05 374.77
300.11588.31
412 17.14 -154.49 -582.73 -357.74 -379.48 -213.84 1526.31 340.15 387.55
1478.92232.33
411 13.09 81.70 -297.03 -81.12 -134.20 -187.50 1425.47 -44.89 87.53
1293.04420.92
526 144 573 32.33 -158.89 -1274.32 -1185.38 -247.84 -302.16 1152.51 -183.19 279.28
690.04635.49
574 26.60 -2.07 -1020.12 -1015.40 -6.79 -69.15 640.08 -166.93 281.29
191.86401.02
412 12.57 -122.92 -428.35 -254.15 -297.12 -151.19 1114.25 265.19 289.70
1089.74142.15
411 9.55 43.16 -219.27 -58.54 -117.58 -127.85 1044.04 -27.67 75.11
941.27315.57
526 159 573 16.99 -108.04 -668.40 -599.61 -176.83 -183.88 478.88 -154.40 147.87
176.61316.31
574 13.26 -13.42 -502.72 -502.35 -13.78 -13.41 282.40 -154.78 175.01 -
47.39188.19
412 7.68 -92.77 -272.34 -152.99 -212.13 -84.77 579.86 163.29 174.54
568.6067.54
411 5.60 3.22 -139.21 -37.66 -98.33 -64.44 529.81 -65.68 39.25
424.88226.88
526 164 573 4.28 11.81 -154.61 -31.74 -111.06 -73.15 89.83 -14.58 59.12
16.1447.58
574 1.89 20.76 -51.88 -5.10 -26.02 34.78 99.95 -30.25 94.33 -
24.6426.44
412 4.04 -39.73 -139.63 -46.97 -132.39 -25.90 317.92 87.47 93.99
311.40-38.21
411 2.97 -12.35 -85.34 -13.37 -84.32 -8.56 284.64 3.35 50.28
237.71104.87
526 194 573 6.08 -5.23 -165.50 -51.85 -118.88 -72.79 613.26 89.02 133.66
568.62146.31
574 2.39 7.18 -63.95 -22.92 -33.85 35.14 395.07 68.77 130.03
333.81127.43
412 5.50 -36.44 -146.50 -42.73 -140.21 -25.54 671.71 140.45 140.88
671.28-15.13
411 4.90 -9.63 -92.96 -10.44 -92.14 -8.21 763.12 95.80 121.05
737.86127.34
526 224 573 5.71 7.60 -160.20 -38.21 -114.39 -74.75 373.70 -106.30 56.66
210.74227.30
574 2.51 17.16 -53.30 -10.87 -25.27 34.48 213.07 -107.97 154.07 -
48.96124.35
412 4.97 -39.21 -140.88 -47.05 -133.04 -27.13 568.79 140.48 140.49
568.78-2.54

	411	4.30	-11.37	-85.68	-12.15	-84.91	-7.55	653.99	96.67	117.32
633.34105.26										
527 15	574	38.67	-46.03	-1488.28	-1470.52	-63.79	-159.05	728.57	-325.61	368.95
34.01499.77										
	575	36.01	-56.40	-1440.11	-1437.40	-59.11	61.17	350.45	6.64	251.02
106.06155.88										
	413	8.09	-110.68	-334.63	-333.32	-111.98	-17.06	525.79	-33.89	-32.22
524.1130.56										
	412	12.84	-216.28	-443.29	-367.13	-292.44	-107.18	1206.58	268.50	373.11
1101.97295.28										
527 79	574	39.18	-38.64	-1509.87	-1489.76	-58.74	-170.80	1023.68	-98.15	483.05
442.47560.55										
	575	36.30	-52.33	-1458.46	-1456.72	-54.07	49.43	640.79	194.03	357.55
477.26215.21										
	413	8.35	-103.22	-330.04	-326.33	-106.94	-28.80	895.40	73.96	74.08
895.28-9.77										
	412	13.76	-199.36	-448.05	-360.02	-287.40	-118.92	1569.70	427.26	486.65
1510.31253.61										
527 144	574	26.16	-29.82	-1007.63	-993.44	-44.01	-116.94	688.94	-58.84	335.09
295.01373.35										
	575	24.35	-41.10	-981.42	-979.49	-43.03	42.53	423.50	134.86	240.35
318.01139.00										
	413	5.53	-75.15	-220.96	-219.60	-76.51	-14.05	604.62	49.73	50.36
603.99-18.67										
	412	9.43	-150.53	-303.53	-246.55	-207.51	-73.97	1083.09	297.49	336.02
1044.56169.66										
527 159	574	13.05	-32.36	-500.82	-491.30	-41.88	-66.09	279.98	-90.08	178.45
11.44165.12										
	575	12.82	-41.49	-522.49	-514.61	-49.38	61.08	107.06	19.67	92.07
34.6532.94										
	413	2.86	-55.44	-123.88	-119.80	-59.52	16.21	212.90	-14.44	-6.60
205.06-41.49										
	412	5.59	-142.50	-172.76	-150.14	-165.12	-13.14	554.25	146.87	173.63
527.49100.92										
527 164	574	1.50	9.58	-47.96	-1.99	-36.38	-23.07	97.96	0.12	97.89
0.19 -2.61										
	575	3.64	14.51	-129.47	-62.60	-52.36	71.81	41.30	-27.73	14.82
1.24-33.57										
	413	2.49	13.17	-67.68	-15.34	-39.17	38.63	124.51	-63.64	7.31
53.56-91.19										
	412	3.92	-31.02	-137.34	-49.00	-119.36	39.86	282.75	86.84	86.94
282.65 4.40										
527 196	574	2.64	5.84	-46.61	-7.44	-33.33	-22.81	461.47	190.23	225.15
426.5690.84										
	575	3.68	14.01	-131.34	-68.02	-49.31	72.07	313.46	106.28	122.31
297.4355.35										
	413	2.77	14.37	-66.07	-15.58	-36.12	38.89	357.90	87.42	94.67
350.65-43.68										
	412	5.07	-30.49	-135.06	-49.23	-116.31	40.11	712.91	183.22	189.30
706.8456.40										
527 228	574	1.83	8.64	-47.27	-2.32	-36.31	-22.20	210.35	-22.81	156.54
31.0098.24										
	575	3.57	14.09	-131.02	-64.52	-52.41	72.30	67.86	9.19	67.49
9.56-4.63										
	413	2.65	14.50	-68.48	-15.07	-38.91	39.74	209.17	5.14	42.13
172.18-78.60										
	412	4.60	-29.98	-138.01	-49.16	-118.83	41.28	520.36	134.03	136.33
518.0529.77										
528 15	575	35.06	-48.49	-1398.26	-1397.00	-49.75	-41.08	310.28	61.70	236.25
135.74113.68										
	576	37.00	-56.76	-1484.55	-1479.55	-61.77	84.39	223.65	-99.80	125.16
1.31-148.86										
	414	8.44	-52.46	-337.94	-333.56	-56.84	35.09	313.77	111.16	191.30
233.63-99.07										
	413	9.67	-125.90	-408.55	-405.25	-129.20	30.37	402.65	-64.53	-60.77
398.88-41.76										
528 35	575	35.27	-50.68	-1409.94	-1409.61	-51.00	-21.06	403.39	68.82	258.42
213.79165.79										
	576	37.34	-55.43	-1499.22	-1491.63	-63.02	104.40	202.10	-19.38	140.99

41.73-98.99											
	414	8.69	-47.61	-347.83	-337.35	-58.09	55.11	310.51	165.94	200.87	
275.58-61.88											
	413	9.79	-121.64	-418.39	-409.57	-130.46	50.39	321.88	-44.55	-44.54	
321.87-2.30											
528 122	575	23.67	-39.20	-948.65	-948.45	-39.40	-13.77	263.96	53.41	172.92	
144.45104.31											
	576	25.28	-42.33	-1019.08	-1013.00	-48.40	76.78	127.66	-18.42	81.95	
27.30-67.74											
	414	5.78	-31.71	-231.10	-222.76	-40.05	39.92	185.55	93.64	124.56	
154.63-43.43											
	413	6.61	-84.01	-284.77	-275.26	-93.52	42.64	211.52	-32.05	-31.53	
210.99-11.34											
528 159	575	12.34	-39.21	-503.00	-502.66	-39.55	-12.53	85.58	49.32	81.49	
53.41 11.47											
	576	14.02	-41.25	-578.62	-572.15	-47.72	58.65	51.07	-63.18	-9.48	-
2.63-57.02											
	414	2.81	-17.09	-109.59	-102.12	-24.56	25.21	43.92	-65.66	24.01	-
45.75-42.25											
	413	3.94	-46.76	-168.62	-144.49	-70.89	48.56	136.51	-46.83	-28.04	
117.72-55.60											
528 164	575	1.50	-40.35	-65.46	-65.29	-40.52	2.05	56.48	-37.25	4.83	
14.40-46.62											
	576	4.06	-22.97	-164.26	-139.35	-47.88	53.85	-1.94	-92.28	-90.35	-
3.87-13.06											
	414	1.47	30.19	-24.10	16.01	-9.91	23.85	-68.39	-219.93	-70.17	-
218.16-16.29											
	413	3.56	36.90	-102.61	-16.61	-49.11	67.83	53.52	-94.16	-13.75	-
26.89-73.55											
528 175	575	1.91	-26.09	-81.95	-66.14	-41.89	25.16	-2.08	-107.46	-2.09	-
107.450.85											
	576	4.92	-5.27	-183.93	-139.95	-49.25	76.96	-33.99	-120.47	-102.15	-
52.3235.34											
	414	2.51	48.47	-48.19	11.56	-11.28	46.96	-75.60	-267.90	-77.74	-
265.7620.17											
	413	4.23	56.07	-128.10	-21.56	-50.48	90.94	-6.15	-156.65	-16.47	-
146.32-38.05											
528 227	575	1.57	-40.22	-63.47	-63.21	-40.48	2.45	59.27	-101.71	-42.96	
0.52-77.50											
	576	4.30	-22.34	-164.83	-139.26	-47.92	54.68	-16.71	-135.87	-134.35	-
18.2313.38											
	414	1.80	30.80	-25.71	15.24	-10.15	25.24	-99.21	-323.92	-99.45	-
323.67-7.43											
	413	3.58	36.97	-104.54	-18.01	-49.55	68.98	0.05	-191.67	-47.51	-
144.10-82.80											
529 15	576	36.78	-53.41	-1473.63	-1473.27	-53.77	-22.68	254.18	-46.18	176.03	
31.97-131.78											
	577	39.57	-56.70	-1580.36	-1571.58	-65.48	115.29	384.92	-190.25	148.34	
46.33-283.02											
	415	8.24	-98.95	-338.47	-313.97	-123.45	72.58	361.20	-0.63	93.20	
267.37-158.58											
	414	8.72	-56.63	-360.01	-344.13	-72.51	67.56	270.22	44.96	93.99	
221.19-92.96											
529 57	576	37.56	-55.18	-1505.35	-1505.28	-55.25	10.40	233.06	35.76	192.48	
76.34-79.74											
	577	40.67	-52.77	-1617.83	-1603.64	-66.96	148.37	467.72	-208.46	167.34	
91.93-335.98											
	415	8.89	-77.29	-359.27	-311.63	-124.93	105.66	367.52	49.40	105.05	
311.87-120.86											
	414	9.21	-40.38	-375.35	-341.74	-73.99	100.64	282.66	86.97	104.51	
265.12-55.89											
529 133	576	25.39	-43.24	-1022.31	-1022.29	-43.26	4.88	146.11	20.00	116.03	
50.09-53.75											
	577	27.53	-40.27	-1099.51	-1089.62	-50.15	101.83	297.82	-133.57	102.96	
61.28-214.69											
	415	5.79	-55.18	-236.82	-205.96	-86.03	68.21	218.39	29.26	62.82	
184.84-72.25											
	414	6.20	-25.09	-251.69	-225.58	-51.20	72.35	163.58	46.07	60.52	
149.12-38.60											

529	159	576	13.77	-44.73	-571.35	-570.84	-45.24	-16.29	53.24	-39.57	6.43
7.25-46.41											
		577	14.99	-40.72	-615.65	-611.12	-45.24	50.81	69.00	-40.65	12.91
15.44-54.81											
		415	2.23	-48.37	-101.49	-97.03	-52.83	14.72	13.83	-22.37	0.40
8.94-17.49											
		414	3.20	-10.79	-126.48	-105.15	-32.13	44.87	15.28	-66.51	-7.54
43.69-36.69											
529	164	576	3.49	-45.71	-143.24	-140.74	-48.20	-15.41	-5.80	-92.43	-92.21
6.02-4.37											
		577	3.94	-37.23	-158.07	-153.98	-41.32	21.85	44.61	-109.09	-64.48
0369.76											
		415	1.28	20.29	-27.44	13.45	-20.61	-16.72	-27.38	-199.79	-54.12
173.0562.42											
		414	2.05	43.78	-40.94	16.88	-14.04	39.44	-67.87	-207.94	-68.59
207.22-10.06											
529	172	576	4.02	-49.81	-166.61	-166.61	-49.81	-0.07	108.18	-58.60	-56.82
106.40 17.15											
		577	4.85	-33.49	-189.37	-179.92	-42.93	37.19	170.92	-65.37	-22.70
128.2590.90											
		415	1.02	15.61	-22.27	15.56	-22.21	-1.38	44.58	-114.28	-23.11
46.5978.56											
		414	2.59	59.16	-55.76	19.06	-15.65	54.78	-41.63	-96.32	-42.24
95.715.74											
529	227	576	3.63	-45.82	-142.86	-140.58	-48.10	-14.70	-14.37	-143.44	-141.65
16.1715.11											
		577	4.46	-37.02	-160.78	-156.37	-41.43	22.93	100.20	-255.67	-125.31
30.16171.45											
		415	2.00	18.82	-26.55	13.30	-21.02	-14.84	-77.22	-425.34	-102.01
400.5589.52											
		414	2.35	44.56	-42.84	16.01	-14.30	40.99	-99.76	-310.56	-99.76
310.560.57											
530	15	577	39.64	-55.33	-1588.52	-1587.60	-56.25	37.65	315.05	-252.77	108.52
46.24-273.16											
		578	42.68	-103.54	-1708.35	-1656.34	-155.55	284.18	766.74	-245.41	179.79
341.55-499.57											
		416	5.20	-91.17	-224.57	-209.96	-105.78	41.66	373.86	-150.95	-111.24
334.15-138.79											
		415	10.12	-132.02	-403.31	-334.84	-200.49	117.84	431.75	53.49	167.87
317.37-173.73											
530	57	577	41.00	-76.27	-1648.52	-1644.89	-79.90	75.48	404.96	-282.03	125.01
2.07-337.57											
		578	44.72	-114.73	-1787.65	-1723.19	-179.20	322.00	903.57	-252.82	202.63
448.12-565.01											
		416	6.57	-77.82	-251.86	-200.25	-129.43	79.49	474.54	-150.70	-98.78
422.62-172.52											
		415	11.30	-108.44	-433.58	-317.88	-224.13	155.66	492.93	39.93	172.55
360.32-206.13											
530	133	577	27.72	-56.14	-1119.06	-1117.13	-58.07	45.21	256.68	-180.71	75.60
0.37-215.44											
		578	30.17	-87.47	-1210.53	-1166.17	-131.83	218.75	594.68	-157.02	140.35
297.30-367.57											
		416	4.21	-65.13	-162.71	-132.26	-95.59	45.22	315.90	-92.60	-64.53
287.83-103.33											
		415	7.51	-72.87	-290.96	-210.53	-153.30	105.22	301.56	23.12	108.35
216.33-128.33											
530	159	577	14.97	-39.00	-616.62	-616.48	-39.14	-9.14	48.19	-52.87	3.28
7.96-50.21											
		578	15.75	-81.34	-649.00	-625.95	-104.40	112.06	223.46	-33.43	82.31
107.72-127.82											
		416	2.26	-49.94	-89.57	-64.69	-74.82	-19.16	137.31	-31.53	-31.46
137.24 3.41											
		415	3.25	-47.72	-141.28	-105.70	-83.30	45.42	38.45	-6.56	27.58
4.31-19.27											
530	164	577	3.90	-24.66	-165.35	-154.02	-35.98	-38.28	57.94	-102.83	-58.05
13.1572.07											
		578	3.32	-75.62	-147.40	-130.30	-92.73	30.58	87.13	-58.45	39.50
10.8168.31											
		416	3.70	40.24	-100.71	9.34	-69.80	-58.31	117.23	-61.69	9.91

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415 1.70 13.21 -31.84 10.44 -29.07 10.83 -20.72 -208.44 -50.08 -
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13.28-449.35
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248.29-331.38
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418 3.70 6.07 -110.00 -19.00 -84.93 47.76 218.15 -29.11 37.44
151.60-109.66
533 182 580 3.20 -23.20 -56.21 -23.21 -56.20 0.57 582.92 122.85 123.00
582.77-8.27
581 3.55 31.69 -93.67 -33.81 -28.16 62.62 487.38 16.91 17.07
487.22-8.57
419 1.52 12.43 -11.86 4.39 -3.82 11.43 320.77 19.86 31.23
309.41-57.37
418 4.83 -2.72 -101.96 -21.71 -82.98 39.03 714.92 129.35 142.35
701.92-86.25
533 222 580 2.33 -21.30 -60.93 -23.84 -58.39 9.71 297.84 65.98 67.30
296.52-17.46
581 3.33 39.27 -104.36 -34.54 -30.54 71.79 195.32 -36.12 -35.93
195.12 6.71
419 1.85 22.07 -21.65 6.95 -6.52 20.80 292.04 2.10 22.31
271.83-73.83
418 5.08 5.83 -110.48 -19.35 -85.30 47.90 703.26 121.04 139.24
685.06-101.31
534 15 581 9.18 174.76 -143.46 142.25 -110.95 96.38 421.85 -469.70 -82.85
34.99-441.86
582 7.93 118.31 -147.04 24.23 -52.95 126.94 270.37 -409.99 -110.74 -
28.87-337.71
420 6.04 90.94 -120.26 -40.89 11.57 102.29 64.41 -398.33 -50.19 -
283.73-199.74
419 11.96 180.80 -271.99 -59.77 -31.41 225.95 174.08 -500.27 -71.37 -
254.82-324.46
534 57 581 9.56 181.08 -154.31 133.74 -106.97 116.77 346.35 -571.07 -98.97 -
125.75-458.52
582 8.76 133.84 -167.70 15.13 -48.98 147.32 197.49 -513.60 -127.44 -
188.67-354.22
420 7.15 115.54 -134.96 -34.97 15.54 122.68 26.58 -547.36 -75.34 -
445.45-219.33
419 13.00 206.30 -287.05 -53.31 -27.44 246.34 123.10 -637.36 -96.70 -
417.56-344.73
534 133 581 6.44 117.22 -107.25 84.66 -74.69 79.04 231.68 -393.92 -73.57 -
88.67-312.71
582 6.13 92.53 -120.58 5.36 -33.41 104.77 121.43 -357.39 -98.15 -
137.82-238.59

	420	4.85	79.99	-87.51	-20.14	12.62	82.13	1.78	-405.77	-63.15	-
340.84-149.15											
	419	8.98	142.71	-197.01	-34.46	-19.84	169.71	77.89	-457.29	-73.26	-
306.15-240.93											
534 159	581	3.35	42.98	-66.02	28.29	-51.32	37.22	144.61	-213.37	-59.89	-
8.87-177.16											
	582	3.85	53.89	-86.75	-12.01	-20.85	70.18	47.11	-200.86	-92.95	-
60.80-122.94											
	420	2.42	42.87	-29.57	-0.17	13.47	35.57	-45.17	-307.53	-71.65	-
281.04-79.04											
	419	5.30	82.42	-114.80	-15.35	-17.03	98.61	38.71	-302.86	-61.16	-
202.99-155.36											
534 164	581	0.95	-19.60	-39.47	-33.76	-25.31	8.99	7.13	-100.32	-56.95	-
36.24-52.72											
	582	2.34	30.84	-71.93	-35.44	-5.65	49.18	-75.80	-113.39	-98.88	-
90.30-18.30											
	420	1.46	24.64	16.09	23.75	16.97	2.60	-94.86	-331.13	-96.92	-
329.06-21.99											
	419	2.37	40.51	-44.01	8.07	-11.57	41.10	-27.55	-246.72	-65.95	-
208.32-83.31											
534 187	581	2.34	-8.81	-48.19	-33.70	-23.29	18.99	-89.33	-581.92	-117.93	-
553.32-115.21											
	582	3.79	41.69	-80.89	-35.56	-3.64	59.17	-126.21	-555.54	-145.57	-
536.18-89.09											
	420	3.11	38.59	10.89	30.50	18.98	12.60	-161.99	-786.48	-168.49	-
779.98-63.36											
	419	3.69	55.13	-49.92	14.76	-9.56	51.10	-129.12	-753.12	-151.81	-
730.44-116.79											
534 227	581	1.46	-18.78	-40.18	-34.48	-24.48	9.46	-19.00	-317.09	-73.81	-
262.28-115.47											
	582	3.09	31.33	-72.15	-35.88	-4.94	49.37	-51.79	-320.97	-108.29	-
264.47-109.62											
	420	2.81	25.82	17.08	24.97	17.92	2.58	-167.31	-733.08	-171.12	-
729.27-46.28											
	419	3.20	41.64	-43.16	9.06	-10.58	41.25	-139.13	-716.31	-157.72	-
697.71-101.91											
535 15	582	4.72	49.90	-73.95	26.21	-50.26	48.71	277.18	-405.05	-104.28	-
23.59-338.72											
	583	5.17	66.31	-104.28	-16.71	-21.26	85.26	177.55	-279.98	-98.32	-
4.12-223.86											
	421	3.14	46.76	-64.86	-38.59	20.48	47.35	25.27	-196.62	-29.32	-
142.03-95.57											
	420	7.27	121.21	-147.93	-35.69	8.96	132.70	66.07	-397.10	-55.78	-
275.26-203.94											
535 57	582	5.48	64.25	-90.22	22.02	-48.00	68.84	212.72	-510.75	-115.74	-
182.29-360.20											
	583	6.19	85.23	-125.57	-21.34	-19.00	105.40	124.41	-375.74	-108.37	-
142.96-249.48											
	421	4.17	69.00	-75.71	-29.45	22.75	67.48	-1.62	-331.78	-49.80	-
283.60-116.56											
	420	8.34	146.52	-161.42	-26.12	11.23	152.83	27.02	-543.66	-79.88	-
436.75-222.67											
535 133	582	3.59	37.98	-60.71	10.03	-32.76	44.47	131.22	-355.09	-90.19	-
133.68-242.18											
	583	4.24	57.75	-89.49	-18.84	-12.90	73.56	67.96	-257.38	-83.09	-
106.33-162.26											
	421	2.73	47.11	-44.98	-15.76	17.89	42.86	-19.17	-254.18	-44.18	-
229.18-72.47											
	420	5.75	103.42	-108.13	-14.26	9.56	105.10	2.13	-402.15	-65.88	-
334.15-151.22											
535 159	582	1.27	-4.40	-26.61	-11.03	-19.98	10.17	47.73	-197.39	-90.16	-
59.51-121.60											
	583	2.23	26.66	-59.90	-25.17	-8.07	42.43	-4.19	-122.91	-78.87	-
48.23-57.35											
	421	1.21	21.04	0.97	3.59	18.42	6.76	-55.85	-218.39	-56.42	-
217.83-9.57											
	420	3.25	64.75	-51.47	1.49	11.79	57.88	-44.55	-302.10	-72.24	-
274.40-79.78											
535 164	582	1.22	-2.18	-38.40	-34.89	-5.69	-10.71	-78.75	-110.14	-97.76	-

91.14-15.34
583 1.64 11.51 -47.84 -34.59 -1.74 24.72 -51.53 -112.51 -81.36 -
82.6930.48
421 1.72 41.24 8.25 29.03 20.45 -15.93 -75.45 -307.72 -82.32 -
300.8539.33
420 1.82 44.00 -4.85 23.61 15.54 24.09 -92.78 -324.22 -94.67 -
322.33-20.83
535 187 582 2.19 -3.97 -34.72 -34.65 -4.05 -1.53 -113.45 -563.12 -140.47 -
536.10-106.87
583 2.65 20.73 -55.26 -34.43 -0.10 33.89 -84.77 -423.32 -100.49 -
407.59-71.24
421 2.54 40.48 19.62 38.00 22.09 -6.75 -127.97 -631.77 -128.31 -
631.44-13.05
420 3.43 59.07 -9.24 32.65 17.18 33.26 -158.12 -779.52 -164.71 -
772.93-63.64
535 227 582 1.68 -1.67 -38.60 -35.30 -4.97 -10.54 -50.27 -320.40 -106.12 -
264.54-109.40
583 1.93 11.79 -47.83 -34.84 -1.20 24.61 -41.12 -237.74 -88.62 -
190.24-84.16
421 2.44 42.49 9.04 30.25 21.28 -16.11 -132.44 -571.16 -132.64 -
570.96 9.36
420 3.04 45.11 -3.87 24.78 16.46 24.14 -164.65 -726.02 -168.68 -
722.00-47.35
536 15 583 1.89 -13.83 -30.36 -20.03 -24.17 8.00 178.80 -281.56 -99.26 -
3.50-225.14
584 2.98 25.21 -77.25 -29.08 -22.96 51.14 111.41 -144.67 -89.94
56.68-104.97
422 1.55 8.07 -48.87 -48.24 7.45 5.93 79.73 -7.29 -6.74
79.18-6.89
421 4.28 77.22 -85.49 -31.26 22.98 76.70 40.10 -194.80 -18.84 -
135.86-101.84
536 57 583 2.85 4.80 -48.28 -20.91 -22.57 26.53 138.88 -384.90 -104.54 -
141.47-261.24
584 3.99 44.11 -95.49 -30.02 -21.36 69.67 79.61 -221.51 -99.56 -
42.34-147.82
422 1.64 19.82 -46.44 -35.67 9.05 24.45 13.13 -56.91 -20.38 -
23.40-34.99
421 5.26 100.69 -94.58 -18.48 24.58 95.23 13.51 -330.59 -39.58 -
277.50-124.30
536 133 583 1.68 -3.86 -30.17 -18.54 -15.49 13.07 76.87 -263.09 -80.89 -
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584 2.62 26.03 -66.74 -24.94 -15.76 46.16 46.19 -141.74 -66.55 -
28.99-92.07
422 0.89 11.34 -24.84 -20.48 6.98 11.77 -12.19 -43.91 -17.77 -
38.33-12.07
421 3.56 71.19 -60.21 -8.39 19.37 64.22 -9.88 -253.41 -37.80 -
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536 162 583 2.10 20.00 -58.65 -34.88 -3.77 -36.11 58.98 -114.23 -74.64
19.3972.74
584 1.08 -11.32 -37.81 -37.31 -11.83 -3.63 112.51 -73.17 -5.19
44.5389.45
422 2.30 50.62 -21.91 22.00 6.71 -35.45 41.52 -185.93 -25.77 -
118.64103.81
421 1.18 28.93 19.69 26.66 21.96 3.98 -48.69 -221.14 -69.62 -
200.2156.31
536 164 583 1.86 19.05 -56.91 -34.53 -3.34 -34.63 -48.64 -117.91 -83.97 -
82.5834.63
584 0.92 -11.22 -37.13 -36.95 -11.40 -2.14 45.09 -52.14 -1.30 -
5.7548.57
422 2.16 51.02 -19.15 24.74 7.14 -33.96 8.45 -210.31 -31.38 -
170.4884.42
421 1.49 32.40 19.41 29.42 22.39 5.46 -78.65 -310.68 -85.62 -
303.7039.61
536 174 583 2.73 30.68 -69.67 -34.28 -4.71 -47.95 136.88 -112.52 -72.49
96.8591.55
584 1.63 -5.18 -44.26 -36.66 -12.78 -15.47 175.51 -71.06 1.46
102.99112.35
422 2.85 57.43 -37.52 14.15 5.76 -47.29 83.62 -159.23 -17.56 -
58.05119.73

	421	1.17	27.79	11.90	18.68	21.01	-7.86	-13.74	-164.87	-58.05	-
120.5568.80											
536 227	583	2.31	19.49	-57.02	-34.74	-2.79	-34.76	-41.34	-236.60	-89.48	-
188.46-84.16											
	584	1.04	-10.71	-37.43	-37.16	-10.97	-2.65	27.57	-101.05	-27.39	-
46.09-63.63											
	422	2.16	52.42	-18.64	25.84	7.94	-34.38	-43.50	-299.73	-55.77	-
287.4654.71											
	421	2.36	33.38	20.40	30.57	23.20	5.35	-135.13	-570.75	-135.25	-
570.637.29											
537 1	584	4.15	38.16	-123.88	-52.54	-33.18	-80.44	82.52	-74.35	-3.62	
11.7978.06											
	585	2.57	-7.79	-87.28	-51.13	-43.93	-39.58	304.32	136.66	294.65	
146.33-39.09											
	423	4.50	43.86	-107.41	5.24	-68.80	-65.95	379.06	103.72	190.96	
291.82128.10											
	422	2.24	53.30	13.42	37.12	29.60	-19.58	-27.07	-333.07	-76.71	-
283.43112.81											
537 61	584	5.17	33.48	-118.31	-54.95	-29.89	-74.85	453.97	-57.88	129.75	
266.35246.65											
	585	3.23	-12.45	-81.62	-53.43	-40.64	-33.99	428.36	152.60	385.97	
194.9899.45											
	423	4.55	31.81	-102.95	-5.63	-65.51	-60.36	456.46	77.25	204.55	
329.16179.07											
	422	2.06	43.44	14.32	24.86	32.90	-13.99	161.61	-226.95	-21.23	-
44.11193.95											
537 135	584	3.86	26.14	-91.30	-41.92	-23.23	-57.97	310.64	-45.58	86.13	
178.94171.96											
	585	2.41	-9.09	-63.21	-40.73	-31.57	-26.67	310.07	121.44	286.69	
144.8262.15											
	423	3.49	25.62	-79.45	-3.24	-50.59	-46.90	343.01	62.27	155.59	
249.69132.25											
	422	1.59	34.18	11.08	20.31	24.95	-11.31	101.95	-181.27	-21.80	-
57.51140.48											
537 162	584	3.33	27.68	-91.95	-40.22	-24.05	-59.27	142.89	-49.17	26.86	
66.8593.92											
	585	2.07	-6.83	-64.85	-38.86	-32.82	-28.85	240.61	122.07	240.61	
122.07-0.33											
	423	3.42	30.48	-80.17	1.44	-51.14	-48.68	307.61	74.75	147.17	
235.18107.79											
	422	1.63	38.01	10.64	25.29	23.35	-13.65	15.11	-217.74	-45.00	-
157.62101.90											
537 164	584	3.11	28.74	-93.20	-39.68	-24.78	-60.51	60.59	-53.08	-2.77	
10.2856.46											
	585	1.93	-5.76	-66.14	-38.35	-33.55	-30.09	228.57	103.01	220.31	
111.26-31.12											
	423	3.41	33.17	-81.18	3.86	-51.87	-49.92	290.48	80.56	144.15	
226.8996.47											
	422	1.69	40.45	10.18	28.01	22.62	-14.89	-20.39	-247.74	-57.33	-
210.8083.87											
537 174	584	3.96	35.75	-104.80	-43.04	-26.01	-69.76	201.44	-67.75	6.26	
127.43120.19											
	585	2.56	1.22	-77.76	-41.75	-34.78	-39.34	237.76	156.50	227.02	
167.2427.52											
	423	4.00	32.18	-94.15	-8.87	-53.10	-59.17	363.58	74.51	156.15	
281.94130.13											
	422	1.99	42.58	-6.11	15.08	21.39	-24.14	60.63	-189.74	-32.90	-
96.21121.11											
537 210	584	3.39	29.72	-92.85	-38.27	-24.87	-60.92	114.74	-82.34	3.36	
29.0497.70											
	585	2.01	-4.83	-64.37	-35.78	-33.41	-29.75	240.13	111.42	239.43	
112.12-9.48											
	423	3.48	31.72	-81.84	1.49	-51.61	-50.19	310.93	82.27	147.28	
245.92103.15											
	422	1.65	39.51	8.29	26.30	21.51	-15.43	8.27	-216.81	-45.78	-
162.7696.14											
538 1	588	3.41	74.60	-16.15	51.80	6.65	-39.36	121.84	-57.38	121.48	-
57.028.11											
	589	3.35	91.05	-7.25	89.59	-5.79	-11.88	24.77	-22.07	14.63	-

11.92-19.29											
	425	3.12	-18.38	-58.69	-46.78	-30.30	18.39	334.02	16.10	18.85	
331.26-29.47											
	424	6.05	-15.54	-122.26	-33.59	-104.21	-40.00	413.14	112.33	112.85	
412.62 12.51											
538 57	588	2.00	58.71	20.05	43.27	35.49	18.93	67.77	-74.17	67.75	-
74.161.39											
	589	6.11	39.67	-142.29	13.30	-115.92	64.05	83.64	-30.01	-28.96	
82.59-10.85											
	425	1.71	19.33	-21.51	3.62	-5.80	19.87	127.02	18.45	22.61	
122.86-20.85											
	424	5.52	-12.05	-119.68	-21.49	-110.24	30.44	298.47	7.49	8.95	
297.0120.58											
538 105	588	2.62	57.30	-12.33	39.84	5.13	-30.17	93.64	-44.11	93.36	-
43.836.17											
	589	2.58	69.85	-5.70	68.76	-4.61	-9.03	19.03	-16.99	11.16	-
9.11-14.89											
	425	2.40	-14.05	-45.03	-35.86	-23.22	14.14	256.75	12.35	14.47	
254.63-22.66											
	424	4.65	-12.03	-93.88	-25.81	-80.10	-30.63	317.63	86.34	86.74	
317.23 9.54											
538 157	588	2.59	56.72	-11.71	39.79	5.21	-29.52	93.06	-43.90	92.81	-
43.665.76											
	589	2.55	68.66	-6.52	67.73	-5.58	-8.33	18.92	-17.09	10.57	-
8.73-15.20											
	425	2.37	-13.48	-44.23	-35.08	-22.63	14.06	255.55	12.12	14.24	
253.43-22.65											
	424	4.61	-12.52	-92.84	-25.64	-79.72	-29.69	316.53	85.91	86.26	
316.18 8.97											
538 164	588	2.59	56.72	-11.71	39.79	5.21	-29.52	93.06	-43.90	92.81	-
43.665.76											
	589	2.55	68.66	-6.52	67.73	-5.58	-8.33	18.92	-17.09	10.57	-
8.73-15.20											
	425	2.37	-13.48	-44.23	-35.08	-22.63	14.06	255.55	12.12	14.24	
253.43-22.65											
	424	4.61	-12.52	-92.84	-25.64	-79.72	-29.69	316.53	85.91	86.26	
316.18 8.97											
538 177	588	2.53	58.53	-16.12	42.21	0.20	-30.86	83.34	-18.66	79.73	-
15.0518.84											
	589	2.51	68.32	-11.78	67.14	-10.60	-9.66	-6.32	-19.06	-8.95	-
16.435.16											
	425	2.55	-19.19	-46.79	-38.34	-27.65	12.73	272.74	20.02	21.59	
271.17-19.88											
	424	4.94	-14.79	-98.50	-28.55	-84.74	-31.03	349.28	96.34	96.64	
348.98 8.72											
538 209	588	2.64	58.92	-8.78	43.71	6.43	-28.26	90.53	-46.91	90.40	-
46.774.27											
	589	2.59	69.34	-10.72	68.88	-10.27	-6.04	-3.75	-18.16	-16.58	-
5.33-4.50											
	425	2.40	-13.62	-45.36	-34.79	-24.18	14.96	250.99	15.50	17.05	
249.43-19.07											
	424	4.67	-15.58	-92.23	-26.61	-81.20	-26.90	329.46	82.80	83.25	
329.0110.55											
539 5	585	4.24	-10.93	-123.97	-122.15	-12.74	14.21	17.30	-79.93	-32.41	-
30.2248.60											
	587	5.87	-16.04	-160.86	-160.29	-16.61	-9.05	108.91	-25.13	100.47	-
16.6932.56											
	423	4.34	71.90	-51.59	-48.62	68.92	-18.93	149.29	10.73	137.51	
22.5138.64											
539 67	585	3.86	-11.21	-115.88	-113.99	-13.09	13.91	35.65	-19.90	27.26	-
11.5219.89											
	587	5.90	-16.31	-152.78	-152.13	-16.95	-9.35	160.24	1.92	160.14	
2.01 3.85											
	423	4.24	71.87	-43.75	-40.46	68.58	-19.23	197.81	40.58	197.18	
41.21 9.93											
539 138	585	2.95	-8.68	-89.75	-88.29	-10.13	10.77	24.77	-20.50	15.21	-
10.9418.47											
	587	4.52	-12.60	-117.93	-117.46	-13.07	-7.08	117.55	-0.54	117.24	-
0.236.06											

	423	3.26	54.68	-34.64	-32.31	52.35	-14.26	145.65	28.07	144.64	
29.0910.86											
539 158	585	3.19	-8.38	-92.99	-91.66	-9.71	10.54	14.38	-62.24	-24.76	-
23.1038.30											
	587	4.42	-11.86	-120.72	-120.26	-12.32	-7.05	83.48	-18.84	76.77	-
12.1325.32											
	423	3.26	52.95	-39.29	-37.38	51.04	-13.13	113.69	6.56	103.56	
16.6831.34											
539 164	585	3.19	-9.01	-93.73	-92.20	-10.54	11.28	15.78	-62.46	-22.22	-
24.4639.10											
	587	4.41	-12.90	-120.62	-120.25	-13.28	-6.32	85.66	-18.79	78.61	-
11.7426.19											
	423	3.25	51.00	-41.28	-40.01	49.73	-10.75	109.34	1.67	98.90	
12.1031.85											
539 174	585	3.18	-8.89	-97.08	-95.07	-10.90	13.16	36.73	-37.76	15.51	-
16.5333.63											
	587	4.71	-13.45	-123.30	-123.12	-13.63	-4.44	119.81	-7.28	116.34	-
3.8120.71											
	423	3.46	50.23	-43.73	-42.88	49.38	-8.86	142.32	14.34	136.63	
20.0326.37											
539 227	585	3.55	-9.30	-94.41	-92.70	-11.02	11.97	28.82	-109.61	-56.51	-
24.2867.31											
	587	4.53	-13.90	-121.93	-121.61	-14.21	-5.83	96.66	-37.86	83.25	-
24.4540.30											
	423	3.19	52.07	-41.47	-40.25	50.85	-10.62	95.70	-9.37	74.60	
11.7342.09											
540 7	589	2.65	58.05	-29.88	19.72	8.45	-43.60	48.30	25.99	29.22	
45.07 7.85											
	586	3.82	22.32	-76.85	-22.74	-31.78	-49.38	9.88	-154.22	-62.57	-
81.7781.49											
	425	2.14	-13.18	-33.05	-30.53	-15.70	6.61	264.14	-27.06	104.33	
132.75144.91											
540 25	589	2.48	60.31	-21.15	22.45	16.70	-40.63	75.45	19.15	19.72	
74.88 5.63											
	586	3.61	24.67	-68.21	-20.01	-23.53	-46.41	17.89	-141.92	-72.08	-
51.9679.27											
	425	2.42	-3.65	-31.60	-27.80	-7.44	9.58	275.35	-17.96	94.83	
162.56142.69											
540 108	589	2.03	44.37	-22.84	14.99	6.54	-33.34	38.09	20.21	22.97	
35.33 6.46											
	586	2.92	17.10	-58.62	-17.24	-24.28	-37.70	8.82	-117.22	-46.93	-
61.4762.60											
	425	1.64	-10.07	-25.58	-23.69	-11.96	5.07	201.95	-20.30	79.96	
101.68110.59											
540 158	589	2.00	43.10	-22.64	14.20	6.26	-32.63	41.31	20.59	24.34	
37.57 7.97											
	586	2.85	16.70	-56.68	-16.34	-23.64	-36.51	12.81	-112.40	-42.95	-
56.6462.23											
	425	1.61	-9.58	-25.68	-23.90	-11.36	5.05	197.45	-18.87	78.66	
99.92107.64											
540 164	589	1.98	42.55	-21.90	13.83	6.82	-32.03	44.32	21.49	26.16	
39.65 9.21											
	586	2.81	16.64	-55.42	-15.60	-23.18	-35.83	16.73	-108.04	-39.13	-
52.1762.04											
	425	1.59	-9.59	-26.66	-25.04	-11.22	5.01	193.89	-16.96	78.05	
98.87104.91											
540 173	589	2.23	42.56	-29.12	9.13	4.31	-35.76	41.91	11.98	31.22	
22.6714.34											
	586	3.09	16.65	-62.65	-20.30	-25.69	-39.56	17.81	-121.04	-34.07	-
69.1667.17											
	425	1.81	-13.63	-29.84	-29.74	-13.73	1.28	192.55	-27.54	83.12	
81.89110.04											
540 209	589	2.25	43.60	-26.40	13.26	3.94	-34.69	46.68	3.38	31.54	
18.5220.65											
	586	2.98	17.83	-56.85	-17.09	-21.92	-37.26	18.17	-126.36	-38.42	-
69.7670.55											
	425	1.56	-12.67	-25.60	-23.96	-14.31	4.31	191.80	-22.86	75.48	
93.45106.95											
541 5	587	8.63	55.92	-206.12	-200.87	50.66	36.75	95.14	-13.74	87.10	-
5.70-28.48											

	588	2.74	65.88	-11.07	-7.92	62.74	-15.24	114.83	10.02	75.21	
49.65-50.82											
	424	6.98	40.82	-127.99	-94.96	7.80	-66.97	375.06	125.27	285.90	
214.43119.68											
541 17	587	8.73	57.76	-212.47	-205.79	51.07	41.98	64.52	-30.66	51.50	-
17.64-32.71											
	588	2.71	64.67	-12.96	-11.83	63.54	-9.31	92.05	-15.92	37.62	
38.50-53.98											
	424	6.71	38.74	-129.11	-103.34	12.97	-60.51	335.44	103.00	242.35	
196.09113.90											
541 107	587	6.62	42.71	-158.18	-154.13	38.67	28.22	73.12	-10.67	67.06	-
4.61-21.70											
	588	2.09	50.30	-8.36	-5.96	47.90	-11.61	87.92	7.86	57.77	
38.01-38.79											
	424	5.36	31.14	-98.43	-73.33	6.04	-51.20	287.64	95.56	219.18	
164.0292.00											
541 157	587	6.50	40.73	-155.70	-151.65	36.68	27.92	72.72	-11.36	67.46	-
6.10-20.37											
	588	1.98	47.84	-7.35	-5.11	45.61	-10.88	85.26	8.82	57.22	
36.86-36.84											
	424	5.30	29.48	-98.28	-75.14	6.33	-49.21	282.01	90.33	214.32	
158.02 91.61											
541 164	587	6.50	40.73	-155.70	-151.65	36.68	27.92	72.72	-11.36	67.46	-
6.10-20.37											
	588	1.98	47.84	-7.35	-5.11	45.61	-10.88	85.26	8.82	57.22	
36.86-36.84											
	424	5.30	29.48	-98.28	-75.14	6.33	-49.21	282.01	90.33	214.32	
158.02 91.61											
541 185	587	6.79	43.49	-163.77	-159.95	39.67	27.86	71.12	-5.31	71.11	-
5.30-0.85											
	588	2.07	50.47	-15.29	-13.41	48.60	-10.95	70.12	28.41	60.87	
37.66-17.33											
	424	5.69	30.61	-104.73	-83.44	9.32	-49.27	303.39	73.41	217.97	
158.83111.13											
541 227	587	6.62	40.21	-158.76	-154.39	35.84	29.16	66.69	-24.76	64.81	-
22.88-12.99											
	588	1.99	47.50	-7.97	-6.07	45.59	-10.10	91.99	8.54	60.49	
40.03-40.45											
	424	5.33	31.62	-98.74	-75.54	8.42	-49.86	283.60	97.83	217.66	
163.7788.89											
542 15	590	1.64	3.58	-21.86	2.55	-20.83	5.01	-36.26	-184.02	-180.97	-
39.30-21.00											
	591	1.41	-4.11	-34.84	-5.85	-33.10	7.11	-33.35	-133.66	-133.38	-
33.635.32											
	451	3.39	30.06	-68.51	9.18	-47.63	40.28	-55.98	-121.20	-89.57	-
87.6132.60											
	450	2.27	12.11	-42.69	4.43	-35.01	-19.03	-59.26	-128.74	-78.21	-
109.78-30.95											
542 95	590	3.31	5.59	-26.21	4.11	-24.73	6.69	320.23	-199.82	145.72	-
25.32-245.56											
	591	4.01	4.28	-30.47	1.69	-27.89	9.12	361.78	-226.30	107.56	
27.92-291.33											
	451	5.33	33.80	-56.15	17.60	-39.95	34.57	176.17	-382.78	-63.05	-
143.56-276.56											
	450	4.67	22.91	-40.37	17.46	-34.92	-17.75	204.39	-312.49	46.04	-
154.15-238.27											
542 152	590	2.27	3.96	-20.27	2.79	-19.09	5.20	211.05	-136.07	91.33	-
16.36-164.99											
	591	2.75	3.00	-23.67	0.99	-21.66	7.03	235.20	-156.49	61.34	
17.37-194.61											
	451	3.81	25.49	-43.55	12.92	-30.98	26.64	106.17	-268.50	-53.78	-
108.55-185.32											
	450	3.34	16.84	-31.04	12.64	-26.84	-13.55	135.40	-218.33	30.21	-
113.14-161.69											
542 159	590	1.07	2.22	-19.16	1.07	-18.02	4.82	-8.85	-87.08	-85.04	-
10.89-12.47											
	591	1.11	-0.77	-25.84	-2.52	-24.10	6.39	-16.49	-88.51	-88.51	-
16.490.11											
	451	2.35	22.59	-48.81	8.09	-34.32	28.72	-74.65	-88.91	-79.77	-
83.806.84											

	450	1.77	10.68	-31.75	5.71	-26.78	-13.65	-19.89	-88.94	-28.13	-80.70-22.39
542 164	590	0.97	1.84	-20.99	0.39	-19.54	5.56	5.79	-45.50	-43.61	3.91-9.66
	591	1.13	1.08	-25.13	-1.00	-23.05	7.09	-9.19	-77.87	-77.74	-9.32-2.94
	451	2.18	22.19	-45.85	8.88	-32.54	26.99	-83.98	-100.43	-88.07	-96.35-7.11
	450	1.82	11.79	-30.98	7.47	-26.66	-12.89	2.05	-83.51	-3.63	-77.83-21.31
542 191	590	1.60	1.39	-21.77	-0.17	-20.20	5.82	78.44	-152.78	-96.41	22.0799.28
	591	2.07	0.88	-25.91	-1.31	-23.71	7.34	53.21	-214.99	-135.75	-26.03122.37
	451	3.21	20.31	-47.07	6.45	-33.21	27.24	7.70	-206.52	-103.55	-95.26107.03
	450	1.76	9.36	-31.68	5.01	-27.32	-12.64	45.03	-112.10	-14.16	-52.9276.13
542 214	590	1.22	1.01	-20.01	0.36	-19.36	3.63	-1.49	-145.08	-122.67	-23.9152.12
	591	1.93	0.61	-24.78	-0.77	-23.40	5.74	74.95	-172.15	-69.86	-27.34121.71
	451	3.21	20.69	-45.59	8.32	-33.22	25.82	-31.69	-217.77	-91.23	-158.2486.80
	450	1.59	12.77	-34.45	6.87	-28.55	-15.61	-8.14	-79.65	-18.26	-69.5324.93
543 15	591	1.73	10.09	-38.05	1.94	-29.90	18.05	-29.52	-130.76	-128.95	-31.3313.41
	592	1.73	-1.22	-41.40	-15.92	-26.71	19.35	0.74	-69.80	-55.31	-13.7628.50
	452	5.14	50.88	-93.64	-5.15	-37.61	70.41	60.88	-101.49	-26.51	-14.1080.95
	451	2.31	-0.73	-59.08	-1.10	-58.71	-4.61	-54.15	-120.51	-85.16	-89.5033.11
543 95	591	5.48	13.01	-39.12	4.00	-30.11	19.71	222.17	-485.33	-213.07	-50.10-344.24
	592	5.27	5.73	-34.67	-3.92	-25.02	17.22	319.22	-393.78	-152.92	78.36-337.22
	452	7.09	58.09	-81.56	10.97	-34.44	66.03	224.67	-305.68	-107.06	26.05-256.69
	451	4.84	22.33	-57.95	20.96	-56.58	-10.41	129.75	-457.44	-170.79	-156.90-293.52
543 152	591	3.81	9.75	-29.92	2.71	-22.89	15.15	144.10	-330.51	-151.83	-34.59-229.95
	592	3.65	4.17	-26.67	-3.47	-19.04	13.31	210.98	-267.74	-107.65	50.88-225.86
	452	5.11	44.27	-62.89	7.68	-26.30	50.82	141.05	-208.03	-77.26	10.28-168.96
	451	3.42	16.32	-44.27	15.29	-43.24	-7.84	75.25	-316.90	-124.09	-117.56-196.05
543 159	591	1.33	7.95	-29.03	0.85	-21.93	14.57	-15.39	-84.65	-84.56	-15.482.51
	592	1.09	1.15	-29.01	-8.93	-18.93	14.22	-9.60	-43.43	-42.65	-10.385.08
	452	3.59	40.58	-67.47	-0.15	-26.74	52.37	1.84	-70.53	-33.86	-34.8336.18
	451	1.88	5.82	-43.61	5.23	-43.03	-5.37	-66.91	-89.88	-71.86	-84.939.45
543 164	591	1.35	8.14	-28.89	0.36	-21.11	15.08	-8.71	-73.56	-73.37	-8.90-3.45
	592	1.05	2.79	-26.88	-6.39	-17.69	13.72	-8.45	-44.51	-42.73	-10.23-7.81
	452	3.32	41.70	-64.01	2.76	-25.06	50.99	-31.81	-65.51	-44.16	-53.1616.24
	451	1.99	10.75	-42.27	9.88	-41.39	-6.76	-76.34	-97.60	-76.72	-97.22-2.80
543 193	591	2.32	7.02	-28.45	-1.83	-19.60	15.35	109.97	-134.28	-37.45	13.13119.48
	592	2.39	2.24	-26.79	-8.36	-16.18	13.98	103.89	-154.60	-13.91	-36.80128.74

	452	4.66	40.98	-64.26	0.28	-23.56	51.25	79.68	-189.87	-29.32	-80.87132.29
	451	2.13	8.10	-40.76	7.22	-39.88	-6.50	53.38	-185.41	-53.86	-78.18118.77
543 220	591	2.14	7.24	-28.35	0.21	-21.32	14.17	49.69	-158.60	-78.21	-30.70101.40
	592	2.02	2.19	-26.39	-6.39	-17.81	13.10	66.58	-127.39	-16.86	-43.9596.04
	452	4.40	40.36	-63.53	2.10	-25.27	50.11	-15.70	-239.00	-60.97	-193.7489.77
	451	2.37	10.19	-43.15	9.04	-42.00	-7.76	-36.21	-206.89	-85.28	-157.8277.25
544 15	592	2.32	14.35	-49.08	-10.82	-23.92	31.03	3.22	-73.01	-55.11	-14.6832.31
	593	1.84	1.55	-42.29	-30.36	-10.38	19.51	54.07	-34.97	9.96	9.1444.52
	453	5.09	57.15	-78.81	-29.20	7.54	65.45	155.11	-46.83	30.15	78.1398.08
	452	2.41	-2.41	-50.09	-17.11	-35.39	22.02	67.18	-87.99	-15.61	-5.2177.41
544 95	592	5.75	16.93	-44.79	-5.03	-22.83	29.55	277.08	-412.09	-199.77	64.76-318.19
	593	4.39	1.02	-28.13	-17.61	-9.49	14.00	381.61	-257.86	-106.29	230.04-271.94
	453	5.59	60.45	-60.06	-7.35	7.75	59.78	372.60	-60.19	17.53	294.88-166.12
	452	3.74	10.06	-35.18	5.90	-31.03	13.06	203.23	-251.13	-84.70	36.80-218.91
544 152	592	4.04	13.00	-34.53	-4.16	-17.37	22.83	183.00	-279.85	-138.59	41.75-213.13
	593	3.00	0.94	-22.03	-13.96	-7.13	10.97	254.21	-171.64	-70.03	152.60-181.51
	453	4.03	46.42	-46.67	-6.37	6.12	46.12	249.16	-34.05	14.86	200.25-107.05
	452	2.59	7.33	-27.14	3.90	-23.71	10.33	127.93	-170.45	-60.97	18.45-143.81
544 159	592	1.56	12.10	-36.24	-7.04	-17.10	23.64	-9.64	-42.70	-41.37	-10.966.48
	593	1.08	1.66	-28.08	-19.54	-6.88	13.45	17.71	-11.04	6.85	-0.1813.94
	453	3.44	45.06	-54.45	-15.98	6.59	48.46	81.79	-16.67	23.52	41.6048.39
	452	1.51	1.78	-32.30	-5.87	-24.65	14.22	8.94	-60.86	-24.33	-27.5934.86
544 164	592	1.53	12.91	-35.08	-6.06	-16.11	23.47	-8.90	-42.40	-40.59	-10.71-7.57
	593	0.90	2.03	-24.69	-16.63	-6.03	12.26	6.43	-5.90	6.22	-5.70-1.59
	453	3.08	45.97	-49.80	-11.02	7.19	47.01	53.38	-2.15	23.76	27.4627.70
	452	1.31	5.03	-28.01	-0.29	-22.69	12.15	-22.64	-56.75	-33.76	-45.6315.99
544 193	592	2.84	12.71	-35.00	-7.72	-14.57	23.61	120.90	-127.67	24.04	-30.81121.22
	593	2.10	2.75	-25.74	-18.50	-4.49	12.40	117.57	-148.07	57.86	-88.36110.89
	453	4.02	46.37	-50.33	-12.69	8.72	47.15	106.02	-136.87	31.93	-62.77111.83
	452	2.34	4.41	-27.06	-1.49	-21.15	12.29	75.02	-164.14	-15.74	-73.38116.05
544 216	592	2.52	11.67	-35.06	-7.36	-16.02	22.96	61.48	-129.24	-25.72	-42.0495.01
	593	1.75	1.20	-24.78	-17.66	-5.92	11.59	86.36	-108.78	32.29	-54.7087.34
	453	3.77	44.82	-49.26	-11.83	7.39	46.04	37.52	-203.62	-2.62	-163.4889.82
	452	2.40	3.64	-27.28	-1.34	-22.30	11.36	1.78	-214.36	-49.15	-163.4391.72
545 15	593	2.44	13.90	-50.58	-28.87	-7.82	30.47	55.94	-38.32	10.23	

7.38 47.11											
	594	1.56	-0.82	-39.92	-39.46	-1.27	4.20	91.81	-27.61	40.09	
24.1059.17											
	454	3.90	43.79	-56.77	-37.69	24.71	39.43	173.33	-0.18	49.35	
123.8078.36											
	453	2.36	11.49	-36.56	-32.61	7.54	13.20	157.23	-37.92	32.40	
86.9093.69											
545 103	593	4.25	13.61	-42.75	-23.68	-5.46	26.66	339.03	-184.15	-86.74	
241.62-203.65											
	594	3.91	0.72	-32.86	-32.86	0.72	0.04	443.27	-81.17	-30.28	
392.39-155.23											
	454	4.59	43.12	-46.33	-29.40	26.19	35.04	521.42	72.04	87.31	
506.15-81.42											
	453	3.00	12.25	-26.19	-24.32	10.38	8.28	359.28	-9.07	22.61	
327.60-103.27											
545 156	593	2.98	10.58	-32.88	-18.02	-4.28	20.62	225.70	-122.05	-56.71	
160.36-135.84											
	594	2.64	0.42	-24.91	-24.91	0.42	0.08	295.09	-48.95	-15.72	
261.86-101.63											
	454	3.28	33.17	-35.00	-21.77	19.94	26.97	355.69	56.05	65.03	
346.71-51.09											
	453	2.06	9.44	-19.24	-17.79	7.98	6.30	241.73	-0.47	18.59	
222.67-65.22											
545 159	593	1.55	11.06	-35.48	-19.10	-5.32	22.23	19.76	-12.21	8.14	-
0.5915.38											
	594	1.06	-0.57	-26.02	-25.91	-0.68	1.64	50.74	-9.19	32.35	
9.2027.64											
	454	2.54	33.45	-36.47	-21.78	18.76	28.48	106.48	19.67	45.44	
80.7139.66											
	453	1.29	9.25	-19.79	-17.56	7.02	7.73	84.32	-11.45	25.74	
47.1346.67											
545 164	593	1.36	11.36	-32.88	-16.73	-4.78	21.30	8.36	-5.40	8.34	-
5.38-0.57											
	594	0.97	-0.44	-22.52	-22.51	-0.44	0.42	38.81	-3.26	33.50	
2.0513.97											
	454	2.19	33.34	-31.03	-16.26	18.57	27.07	86.00	34.77	51.17	
69.6023.90											
	453	0.90	9.57	-13.42	-11.81	7.96	5.87	56.60	1.81	26.36	
32.0627.25											
545 183	593	2.23	12.56	-36.00	-17.23	-6.20	23.65	53.14	-112.72	18.77	-
78.3567.22											
	594	1.64	-1.51	-23.37	-23.01	-1.86	2.76	74.97	-138.01	41.41	-
104.4577.60											
	454	2.61	34.15	-33.74	-16.73	17.15	29.41	82.37	-85.48	37.31	-
40.4274.38											
	453	1.45	9.60	-15.46	-12.39	6.54	8.21	74.89	-100.96	18.30	-
44.3882.15											
545 215	593	2.26	11.78	-34.04	-17.71	-4.56	21.95	106.44	-69.67	-16.36	
53.12-80.91											
	594	1.17	-0.14	-23.75	-23.72	-0.17	0.81	108.02	-5.43	18.40	
84.18-46.22											
	454	3.22	34.28	-31.28	-16.20	19.20	27.60	346.82	95.89	96.83	
345.88-15.29											
	453	1.97	10.59	-13.67	-11.60	8.51	6.78	257.45	55.69	59.28	
253.86-26.67											
546 15	594	1.93	4.66	-44.22	-38.69	-0.87	15.48	92.46	-29.61	39.32	
23.5360.52											
	595	1.88	-6.58	-41.52	-38.25	-9.85	-10.18	96.23	-35.34	32.12	
28.7765.76											
	455	2.05	8.50	-39.12	-34.27	3.65	14.39	127.94	1.81	36.73	
93.0256.44											
	454	2.33	27.17	-41.74	-38.70	24.14	-14.14	170.25	3.29	49.94	
123.5974.92											
546 103	594	3.46	3.43	-35.13	-32.54	0.84	9.65	429.00	-33.78	-2.01	
397.23-117.01											
	595	4.11	-0.07	-39.56	-31.37	-8.26	-16.01	511.64	-9.23	3.83	
498.58-81.44											
	455	4.12	7.27	-28.66	-26.62	5.23	8.32	580.29	93.98	99.94	
574.33-53.50											
	454	4.84	32.35	-37.08	-30.50	25.77	-20.34	517.88	87.18	97.00	

508.06-64.30										
546 156	594	2.33	2.65	-26.84	-24.69	0.50	7.67	285.56	-17.36	3.10
265.10-76.03										
	595	2.78	-0.29	-29.89	-23.66	-6.52	-12.06	341.01	-1.88	5.81
333.31-50.78										
	455	2.82	5.59	-21.32	-19.58	3.85	6.61	392.82	67.84	71.33
389.33-33.48										
	454	3.40	24.71	-27.57	-22.51	19.66	-15.45	353.60	65.86	71.49
347.96-39.86										
546 163	594	0.99	2.77	-25.19	-22.17	-0.25	8.68	54.62	25.96	27.59
52.99-6.63										
	595	1.06	-1.06	-26.62	-20.29	-7.39	-11.04	72.02	19.30	20.68
70.65 8.40										
	455	1.06	5.78	-16.43	-13.61	2.96	7.39	114.29	43.02	43.20
114.11 3.61										
	454	1.72	24.24	-21.58	-16.16	18.82	-14.79	123.11	55.95	56.57
122.49 6.44										
546 164	594	1.02	2.92	-25.88	-22.49	-0.47	9.28	39.24	-3.87	33.32
2.0614.84										
	595	1.17	-1.80	-26.40	-20.60	-7.60	-10.44	43.45	-12.06	24.43
6.9626.35										
	455	0.86	5.98	-16.99	-13.76	2.75	7.99	59.44	24.14	35.26
48.3216.39										
	454	1.45	23.65	-21.36	-16.32	18.61	-14.19	84.66	35.97	51.18
69.4522.57										
546 190	594	1.53	2.08	-23.80	-22.32	0.60	6.01	178.42	8.53	20.73
166.22-43.86										
	595	1.86	1.87	-28.90	-20.49	-6.54	-13.71	210.57	14.87	17.34
208.10-21.84										
	455	1.85	5.03	-14.47	-13.25	3.81	4.71	257.38	59.37	60.84
255.91-16.97										
	454	2.61	26.84	-22.91	-15.75	19.67	-17.47	242.57	66.96	69.52
240.02-21.02										
546 215	594	1.34	3.26	-27.16	-23.70	-0.20	9.66	107.14	-4.12	18.60
84.42-44.85										
	595	1.22	-2.02	-27.25	-21.91	-7.37	-10.31	112.32	17.40	20.17
109.55-15.98										
	455	2.48	6.53	-17.03	-13.76	3.26	8.14	363.20	90.38	90.82
362.76-10.89										
	454	3.06	23.90	-20.91	-16.26	19.25	-13.66	346.57	95.79	96.86
345.50-16.37										
547 15	595	1.44	-11.07	-37.49	-37.38	-11.18	1.68	97.93	-38.31	30.07
29.5568.12										
	596	1.62	-20.35	-38.71	-31.40	-27.65	-8.98	77.41	-42.04	3.20
32.1657.94										
	456	1.77	-16.13	-49.15	-22.59	-42.69	13.10	62.61	-47.05	-5.04
20.6153.31										
	455	3.11	26.68	-59.15	-33.88	1.41	-39.12	118.92	-0.40	33.54
84.9853.83										
547 87	595	3.36	-9.92	-27.88	-23.92	-13.88	-7.44	502.63	29.54	40.31
491.87-70.55										
	596	4.43	-3.69	-42.30	-16.25	-29.73	-18.09	561.83	10.30	15.98
556.15-55.68										
	456	4.88	-3.50	-44.68	-3.61	-44.58	2.10	545.55	61.92	65.80
541.66-43.16										
	455	4.99	42.08	-56.79	-14.27	-0.44	-48.95	560.61	105.82	114.12
552.31-60.89										
547 148	595	2.25	-7.96	-21.14	-18.67	-10.43	-5.14	335.02	23.64	29.81
328.85-43.40										
	596	3.04	-3.47	-31.90	-12.74	-22.62	-13.33	375.57	6.92	10.07
372.43-33.90										
	456	3.39	-2.80	-34.20	-2.95	-34.04	2.20	362.13	39.82	42.02
359.93-26.52										
	455	3.54	31.82	-43.13	-11.22	-0.09	-37.06	378.93	75.43	80.37
373.98-38.42										
547 159	595	0.94	-8.72	-24.05	-24.05	-8.72	-0.19	56.56	-20.24	22.50
13.8238.15										
	596	1.14	-11.37	-28.33	-18.57	-21.12	-8.38	42.54	-26.17	-1.41
17.7932.98										
	456	1.21	-7.46	-35.01	-9.87	-32.61	7.78	24.11	-31.79	-9.54

1.8627.36											
	455	2.27	24.79	-41.99	-18.54	1.33	-31.88	70.72	11.56	29.42	
52.8627.16											
547 164	595	0.82	-8.67	-20.59	-20.44	-8.81	-1.32	42.79	-13.76	22.01	
7.0127.26											
	596	1.07	-7.57	-27.74	-14.30	-21.01	-9.51	29.60	-21.51	-4.38	
12.4724.12											
	456	1.18	-2.90	-33.66	-4.13	-32.43	6.02	5.76	-28.46	-13.87	-
8.8416.92											
	455	2.18	28.37	-39.64	-12.79	1.52	-33.24	54.93	20.55	32.18	
43.3016.26											
547 190	595	1.50	-7.15	-22.16	-19.98	-9.33	-5.29	210.86	29.67	30.14	
210.40 -9.15											
	596	2.21	-3.75	-31.75	-13.97	-21.52	-13.48	236.81	7.20	7.29	
236.72-4.46											
	456	2.46	-3.26	-33.08	-3.40	-32.94	2.05	220.85	21.23	21.30	
220.78-3.70											
	455	2.85	32.36	-43.17	-11.82	1.01	-37.21	252.74	62.50	63.19	
252.04-11.47											
547 214	595	1.35	-8.84	-19.32	-19.12	-9.04	-1.44	57.42	-126.96	26.13	-
95.6769.21											
	596	1.24	-6.77	-27.38	-12.98	-21.16	-9.46	14.03	-128.19	-8.70	-
105.4652.11											
	456	3.23	-2.85	-33.98	-4.10	-32.73	6.10	-72.00	-352.74	-76.41	-
348.3334.92											
	455	3.14	28.23	-40.02	-12.81	1.01	-33.42	-15.96	-278.17	-23.35	-
270.7943.39											
548 15	596	1.30	-25.23	-34.08	-30.36	-28.94	4.37	80.70	-43.67	2.76	
34.2760.16											
	597	1.33	-25.95	-41.39	-32.13	-35.21	7.57	57.63	-25.68	-5.85	
37.8035.48											
	457	3.90	12.17	-94.66	-15.13	-67.37	46.59	32.53	-77.46	-34.09	-
10.8553.75											
	456	3.13	6.22	-74.28	-20.88	-47.17	-38.05	48.98	-55.58	-16.64	
10.0550.55											
548 95	596	4.56	-13.73	-34.22	-14.64	-33.30	-4.23	565.09	27.57	30.50	
562.16-39.57											
	597	5.08	-12.87	-38.82	-12.94	-38.75	-1.32	609.75	21.27	26.22	
604.80-53.72											
	457	6.50	23.29	-84.10	9.77	-70.58	35.63	551.14	42.13	44.24	
549.03-32.67											
	456	5.68	33.35	-78.82	5.26	-50.73	-48.60	535.51	56.24	58.68	
533.08-34.07											
548 152	596	3.12	-11.13	-25.71	-11.67	-25.17	-2.75	378.08	18.11	19.61	
376.58-23.19											
	597	3.50	-10.36	-29.37	-10.37	-29.36	-0.49	408.60	12.46	15.56	
405.51-34.89											
	457	4.62	17.66	-64.68	6.79	-53.80	27.87	362.85	23.03	24.19	
361.69-19.82											
	456	4.04	24.69	-59.95	3.31	-38.56	-36.78	354.57	34.71	36.03	
353.24-20.56											
548 160	596	0.78	-13.14	-23.53	-13.92	-22.74	2.74	11.95	-24.26	-9.43	-
2.8817.81											
	597	0.86	-11.05	-28.63	-12.73	-26.95	5.17	2.96	-17.97	-17.96	
2.95 0.39											
	457	2.88	17.86	-67.07	1.93	-51.15	33.15	-24.31	-65.44	-42.78	-
46.9720.45											
	456	2.17	16.26	-53.97	-1.66	-36.05	-30.62	-18.36	-40.93	-26.64	-
32.6410.88											
548 164	596	0.76	-14.27	-22.27	-14.30	-22.24	0.51	29.77	-21.71	-5.48	
13.5323.92											
	597	0.88	-12.48	-27.06	-13.09	-26.45	2.93	18.75	-15.88	-14.41	
17.29 6.97											
	457	2.67	16.37	-64.91	2.10	-50.64	30.92	-20.99	-51.20	-39.73	-
32.4614.66											
	456	2.37	18.48	-55.52	-1.50	-35.55	-32.85	-3.09	-36.13	-23.14	-
16.0816.14											
548 191	596	2.04	-12.63	-23.51	-15.07	-21.08	4.54	-13.44	-223.05	-23.96	-
212.5345.77											
	597	2.17	-10.53	-28.57	-13.81	-25.28	6.96	-32.21	-224.81	-35.56	-

221.4625.18											
	457	4.09	18.82	-67.36	0.94	-49.48	34.95	-73.27	-283.09	-80.88	-
275.4739.24											
	456	2.88	14.32	-51.43	-2.73	-34.38	-28.82	-56.10	-252.11	-61.80	-
246.4132.94											
548 214	596	1.42	-12.93	-22.42	-12.96	-22.39	0.56	12.84	-127.09	-9.85	-
104.3951.58											
	597	1.50	-11.17	-27.18	-11.80	-26.56	3.10	-18.34	-116.85	-24.29	-
110.9123.45											
	457	4.51	16.47	-65.19	2.12	-50.84	31.08	-103.87	-389.28	-106.12	-
387.0325.24											
	456	3.62	18.31	-55.69	-1.54	-35.84	-32.79	-81.40	-359.50	-85.61	-
355.2933.95											
549 15	597	1.93	-10.43	-53.81	-29.70	-34.54	21.55	59.07	-26.78	-5.44	
37.73 37.11											
	598	1.86	-10.62	-58.87	-45.31	-24.18	21.69	46.76	12.37	20.45	
38.6814.58											
	458	4.99	44.61	-105.25	-30.53	-30.11	74.93	81.72	-27.54	8.52	
45.6651.37											
	457	2.09	-20.03	-67.31	-20.07	-67.26	-1.40	30.09	-70.17	-31.15	-
8.9348.88											
549 73	597	4.60	2.24	-53.88	-13.56	-38.09	25.24	446.27	4.88	27.02	
424.13-96.35											
	598	4.35	-2.02	-49.54	-24.45	-27.11	23.73	480.16	36.73	65.67	
451.22-109.52											
	458	6.40	58.92	-95.17	-4.58	-31.67	75.85	464.20	65.68	77.66	
452.22-68.04											
	457	4.90	8.04	-69.93	8.03	-69.92	-0.77	380.30	6.88	20.99	
366.19-71.21											
549 123	597	1.91	4.49	-52.19	-18.80	-28.90	27.89	-16.24	-59.04	-26.19	-
49.09-18.08											
	598	2.26	2.90	-52.86	-29.19	-20.78	27.56	24.01	-61.45	-1.89	-
35.5539.27											
	458	4.68	46.94	-88.81	-17.01	-24.86	67.76	37.85	-82.12	-9.56	-
34.7158.65											
	457	2.47	-6.48	-55.52	-8.37	-53.63	9.44	-8.28	-129.19	-46.46	-
91.0256.20											
549 159	597	1.25	-6.23	-37.28	-17.27	-26.23	14.87	28.62	-16.22	-9.77	
22.1715.73											
	598	1.23	-7.55	-37.92	-27.39	-18.08	14.46	22.28	12.45	12.45	
22.28 0.14											
	458	3.47	36.23	-73.06	-14.76	-22.08	54.52	39.34	-12.84	3.47	
23.0224.19											
	457	1.67	-5.59	-51.19	-5.90	-50.88	-3.73	-1.23	-50.22	-31.24	-
20.2223.87											
549 164	597	1.12	-4.47	-34.52	-13.01	-25.98	13.55	18.04	-15.14	-14.04	
16.94 5.94											
	598	1.12	-6.77	-32.59	-21.68	-17.68	12.75	22.22	4.30	9.95	
16.57-8.33											
	458	3.20	37.89	-67.21	-8.08	-21.24	52.14	21.43	-6.54	1.12	
13.7712.47											
	457	1.79	2.04	-50.86	1.40	-50.22	-5.75	-19.87	-47.36	-36.81	-
30.4213.37											
549 191	597	2.42	-1.01	-38.16	-14.16	-25.00	17.77	-38.32	-225.91	-41.09	-
223.1422.63											
	598	2.17	-2.57	-37.07	-22.94	-16.71	16.97	-15.17	-227.10	-17.43	-
224.8421.76											
	458	4.20	41.90	-71.35	-9.18	-20.27	56.35	-34.29	-238.61	-41.97	-
230.9338.86											
	457	3.26	0.48	-49.30	0.43	-49.25	-1.54	-72.43	-281.03	-79.67	-
273.7938.18											
549 214	597	1.76	-3.40	-34.38	-11.70	-26.08	13.71	-18.67	-116.56	-23.99	-
111.2422.18											
	598	1.40	-6.02	-32.19	-20.40	-17.81	13.02	-2.19	-117.27	-2.20	-
117.25-1.24											
	458	4.24	38.05	-67.61	-8.03	-21.52	52.40	-65.67	-349.51	-66.66	-
348.5216.76											
	457	3.97	2.00	-51.02	1.40	-50.42	-5.60	-101.08	-386.77	-103.06	-
384.7923.71											
550 15	598	2.40	1.94	-67.54	-43.13	-22.48	33.17	48.57	10.79	22.43	

36.9317.45										
	599	2.46	0.39	-67.78	-61.76	-5.64	19.35	61.91	37.41	56.98
42.34 9.83										
	459	4.63	53.96	-87.42	-50.78	17.33	61.94	141.43	42.32	55.65
128.1133.81										
	458	2.06	-10.29	-54.80	-36.77	-28.32	21.85	91.36	-14.05	19.37
57.9449.05										
550 103	598	4.80	9.93	-64.68	-34.23	-20.53	36.67	637.24	85.65	95.43
627.4572.81										
	599	5.01	5.12	-59.87	-51.03	-3.71	22.28	638.74	120.83	131.98
627.5975.19										
	459	7.28	60.32	-81.04	-39.95	19.23	64.19	733.15	154.84	168.48
719.5087.77										
	458	4.59	-1.98	-50.11	-26.39	-25.70	24.07	666.14	107.47	123.75
649.8693.97										
550 156	598	3.29	7.01	-48.56	-25.66	-15.88	27.35	426.64	59.06	65.29
420.4147.44										
	599	3.43	3.33	-44.66	-38.38	-2.95	16.19	427.76	86.65	93.92
420.4949.26										
	459	5.19	45.77	-60.47	-29.39	14.69	48.33	499.74	110.53	119.75
490.5259.19										
	458	3.16	-1.91	-36.84	-18.99	-19.76	17.46	447.60	72.50	83.86
436.2564.28										
550 163	598	1.67	4.02	-41.29	-20.98	-16.29	22.53	95.42	22.57	22.58
95.41 0.62										
	599	1.38	0.20	-35.87	-32.28	-3.39	10.80	95.19	54.21	54.47
94.94 3.22										
	459	3.09	42.55	-48.81	-20.49	14.23	42.26	163.46	67.83	69.85
161.4413.75										
	458	1.24	-2.66	-27.17	-10.32	-19.50	11.36	107.79	19.65	24.45
102.9920.00										
550 164	598	1.54	3.02	-40.87	-21.35	-16.50	21.81	22.59	5.73	12.52
15.80-8.26										
	599	1.45	-0.44	-35.83	-32.68	-3.59	10.07	45.90	14.35	44.51
15.74-6.47										
	459	2.73	41.69	-48.33	-20.66	14.03	41.53	82.38	54.72	55.70
81.40 5.11										
	458	0.87	-3.49	-26.69	-10.47	-19.71	10.64	30.08	2.67	10.20
22.5412.24										
550 192	598	2.23	7.98	-45.01	-20.79	-16.25	26.40	240.79	36.77	39.69
237.8624.25										
	599	2.19	2.84	-38.11	-31.93	-3.34	14.66	243.93	67.15	71.93
239.1628.65										
	459	4.00	46.16	-52.44	-20.56	14.28	46.12	313.23	89.33	95.35
307.2036.23										
	458	2.08	0.89	-30.85	-10.51	-19.46	15.22	254.97	41.58	49.56
246.9940.49										
550 219	598	2.00	3.30	-41.97	-22.23	-16.44	22.45	149.32	23.37	25.61
147.08-16.65										
	599	1.52	-0.12	-37.19	-33.85	-3.46	10.62	149.93	58.04	58.33
149.64 -5.14										
	459	4.20	42.49	-48.97	-20.85	14.37	42.20	443.02	123.74	123.87
442.89 6.59										
	458	2.91	-2.71	-27.46	-10.57	-19.60	11.52	380.63	77.97	78.17
380.43 7.72										
551 15	599	2.65	6.29	-71.96	-61.56	-4.11	26.57	65.42	35.01	58.46
41.9812.78										
	600	2.36	-6.89	-66.08	-66.03	-6.94	1.72	63.31	33.33	55.14
41.5013.34										
	460	2.78	22.50	-63.83	-52.52	11.19	29.12	125.51	54.55	54.84
125.21-4.57										
	459	2.54	18.40	-52.32	-52.16	18.23	3.45	144.01	47.37	56.82
134.5628.70										
551 103	599	4.96	3.22	-56.99	-50.69	-3.08	18.43	643.81	125.59	140.67
628.7487.08										
	600	4.40	-5.04	-55.10	-54.18	-5.96	-6.73	617.04	108.70	129.00
596.7499.53										
	460	5.47	19.11	-47.55	-40.65	12.21	20.30	691.65	151.82	160.05
683.4366.13										
	459	5.64	19.87	-41.36	-40.82	19.33	-5.72	738.89	157.39	170.79

725.4987.26										
551 156	599	3.42	2.68	-43.26	-38.18	-2.40	14.41	431.23	90.02	99.97
421.2857.41										
	600	3.00	-3.95	-41.37	-40.69	-4.63	-4.99	413.74	77.40	91.40
399.7467.17										
	460	3.81	14.90	-35.38	-29.84	9.36	15.75	470.65	108.44	113.54
465.5542.68										
	459	3.92	15.26	-30.44	-30.02	14.85	-4.33	504.02	112.55	121.54
495.0358.65										
551 163	599	1.50	3.85	-38.76	-32.43	-2.49	15.16	96.24	56.33	57.29
95.29 6.09										
	600	1.35	-4.08	-34.53	-33.83	-4.77	-4.55	96.54	43.56	50.48
89.6117.86										
	460	1.71	16.12	-27.17	-20.31	9.26	15.81	150.43	64.70	64.70
150.43-0.60										
	459	1.72	15.41	-21.47	-20.89	14.83	-4.61	167.00	70.15	71.84
165.3012.69										
551 164	599	1.64	4.25	-39.71	-32.87	-2.58	15.93	47.17	15.17	46.43
15.92-4.83										
	600	1.33	-4.39	-34.74	-34.27	-4.87	-3.78	41.85	13.01	40.50
14.36 6.08										
	460	1.43	16.58	-27.93	-20.51	9.16	16.59	78.55	47.25	51.31
74.49-10.52										
	459	1.26	15.14	-21.49	-21.08	14.73	-3.83	85.71	57.15	57.61
85.25 3.61										
551 190	599	2.11	1.55	-34.47	-30.66	-2.26	11.08	257.01	77.36	79.65
254.7320.14										
	600	1.84	-2.07	-34.63	-32.15	-4.55	-8.64	235.03	63.64	70.54
228.1333.69										
	460	2.42	13.63	-23.67	-19.52	9.48	11.73	291.01	88.60	89.39
290.2212.59										
	459	2.68	17.08	-22.09	-20.06	15.05	-8.69	328.61	97.94	100.51
326.0524.19										
551 215	599	1.68	3.90	-40.37	-34.07	-2.40	15.46	151.90	61.41	61.46
151.84 -2.18										
	600	1.45	-4.07	-35.89	-35.26	-4.71	-4.45	149.18	50.32	53.73
145.7718.05										
	460	3.26	16.27	-27.30	-20.58	9.54	15.74	432.25	118.95	118.99
432.21-3.62										
	459	3.44	15.68	-21.70	-21.18	15.17	-4.35	449.55	126.47	126.54
449.47 4.95										
552 15	600	2.39	-5.78	-68.65	-66.42	-8.00	11.61	64.54	30.42	53.07
41.90 16.12										
	601	1.87	-23.97	-59.97	-59.65	-24.29	-3.38	41.28	17.95	21.15
38.09 8.02										
	461	1.84	-20.52	-53.94	-42.45	-32.01	15.87	58.12	13.12	19.23
52.01-15.41										
	460	2.75	21.63	-61.35	-51.79	12.07	-26.49	117.75	51.67	52.74
116.68-8.33										
552 103	600	4.45	-9.68	-53.72	-53.54	-9.86	2.77	621.46	99.32	124.50
596.28111.87										
	601	4.42	-20.20	-52.64	-46.64	-26.20	-12.60	572.52	51.46	78.15
545.83114.87										
	461	4.27	-25.47	-38.68	-30.56	-33.59	6.43	568.23	94.74	104.74
558.2368.05										
	460	5.17	28.98	-59.32	-40.59	10.25	-36.10	684.17	149.78	158.23
675.7266.67										
552 156	600	3.04	-7.14	-40.45	-40.28	-7.32	2.40	416.75	70.67	88.03
399.3975.54										
	601	3.05	-15.30	-39.47	-34.87	-19.89	-9.49	383.79	34.52	52.72
365.5977.64										
	461	2.94	-18.31	-29.16	-21.94	-25.53	5.12	379.49	64.04	70.17
373.3643.52										
	460	3.64	22.69	-44.32	-29.78	8.16	-27.62	464.92	106.70	111.93
459.6942.94										
552 162	600	1.24	-4.99	-34.89	-33.98	-5.89	5.11	80.99	36.68	43.40
74.2715.89										
	601	1.20	-14.66	-31.76	-27.90	-18.53	-7.16	74.39	5.76	9.74
70.4116.05										

	461	1.20	-8.24	-27.18	-11.58	-23.84	7.22	68.42	11.47	12.24
67.65-6.59										
	460	2.18	24.40	-34.97	-20.20	9.62	-25.67	135.21	53.57	58.48
130.30-19.41										
552 164	600	1.29	-5.00	-34.95	-34.37	-5.58	4.13	39.80	11.98	37.77
14.01 7.23										
	601	1.04	-13.69	-32.87	-28.35	-18.22	-8.14	17.61	-0.19	4.68
12.75 7.93										
	461	0.90	-9.09	-26.22	-11.78	-23.53	6.24	20.07	-8.46	2.56
9.06-13.89										
	460	1.96	25.44	-35.89	-20.38	9.93	-26.66	74.07	43.33	48.29
69.12-11.30										
552 182	600	1.59	-5.91	-32.60	-31.85	-6.65	4.40	188.89	47.91	52.71
184.0925.58										
	601	1.74	-13.99	-30.98	-25.69	-19.28	-7.87	179.93	14.47	18.27
176.1224.80										
	461	1.81	-8.15	-27.17	-10.73	-24.60	6.51	175.10	29.73	29.75
175.08 1.64										
	460	2.81	24.69	-35.13	-19.31	8.86	-26.38	251.35	67.45	76.91
241.90-40.61										
552 215	600	1.49	-5.04	-35.76	-35.37	-5.43	3.44	148.43	44.10	47.92
144.6119.60										
	601	1.59	-13.12	-34.07	-29.07	-18.13	-8.93	141.87	3.91	11.01
134.7730.48										
	461	2.83	-9.77	-25.33	-11.75	-23.35	5.19	353.50	66.07	66.07
353.50-0.01										
	460	3.55	26.43	-36.55	-20.42	10.31	-27.49	426.49	114.38	114.44
426.43-4.22										
553 15	601	1.92	-24.22	-63.31	-60.99	-26.54	9.23	44.83	14.57	19.78
39.63 11.42										
	602	1.91	-31.99	-62.26	-56.42	-37.83	11.94	45.71	-7.98	-5.03
42.76-12.23										
	462	3.26	-3.43	-96.52	-28.25	-71.70	41.16	-4.16	-39.07	-32.68
10.56-13.51										
	461	2.51	-0.28	-71.81	-36.95	-35.13	-35.75	49.53	0.74	8.94
41.33-18.25										
553 95	601	4.38	-27.35	-33.97	-30.79	-30.53	-3.31	565.17	28.90	60.98
533.08127.19										
	602	4.44	-26.22	-42.31	-26.36	-42.17	-1.50	507.62	-14.00	14.44
479.19118.42										
	462	5.34	14.36	-84.55	6.04	-76.23	27.46	425.59	-1.94	16.07
407.5885.89										
	461	5.83	30.99	-75.09	-5.76	-38.34	-50.48	536.16	69.99	82.05
524.1073.99										
553 152	601	2.98	-21.58	-25.73	-24.30	-23.01	-1.97	379.02	19.18	41.02
357.1885.91										
	602	3.06	-20.81	-31.97	-20.84	-31.95	-0.54	339.73	-11.79	6.53
321.4178.14										
	462	3.81	10.77	-64.92	3.97	-58.12	21.64	277.10	-6.85	4.52
265.7255.68										
	461	4.12	22.94	-57.07	-5.10	-29.03	-38.18	357.01	46.53	53.95
349.5847.42										
553 162	601	1.08	-19.61	-28.78	-27.82	-20.58	2.81	74.50	2.21	6.05
70.6616.20										
	602	1.26	-21.38	-32.00	-23.96	-29.42	4.55	67.67	-20.87	-20.81
67.61 2.14										
	462	2.58	10.22	-65.81	-0.16	-55.42	26.11	9.85	-38.74	-38.19
9.30 -5.14										
	461	2.15	16.09	-51.91	-9.16	-26.66	-32.85	60.83	2.51	3.48
59.86-7.47										
553 164	601	0.88	-19.58	-28.64	-28.30	-19.93	1.73	18.02	-1.85	2.75
13.42 8.38										
	602	0.96	-22.54	-30.71	-24.48	-28.77	3.48	15.54	-24.13	-23.19
14.60-6.04										
	462	2.38	9.36	-64.54	-0.41	-54.77	25.03	-33.86	-57.55	-46.45
44.97-11.82										
	461	2.25	17.20	-52.65	-9.45	-26.01	-33.93	12.59	-16.84	-5.63
1.38-14.29										
553 189	601	1.69	-18.20	-28.58	-28.35	-18.43	1.52	-11.35	-201.43	-21.57
191.20-42.89										

	602	1.84	-22.32	-29.42	-24.47	-27.27	3.26	-18.23	-193.36	-42.89	-
168.70-60.91											
	462	3.18	9.52	-63.08	-0.28	-53.27	24.81	-59.93	-249.71	-78.50	-
231.14-56.39											
	461	3.27	17.98	-51.95	-9.46	-24.51	-34.15	-25.04	-222.99	-42.00	-
206.04-55.39											
553 214	601	1.23	-19.23	-28.31	-27.53	-20.00	2.53	-1.54	-110.56	-3.49	-
108.62-14.44											
	602	1.40	-21.49	-31.37	-24.04	-28.81	4.32	-3.64	-113.39	-22.66	-
94.37-41.54											
	462	4.12	9.94	-65.34	-0.57	-54.82	26.09	-100.20	-372.46	-104.64	-
368.03-34.46											
	461	3.62	16.08	-51.82	-9.57	-26.17	-32.92	-66.31	-346.18	-69.23	-
343.26-28.43											
554 15	602	2.37	-20.52	-75.32	-57.52	-38.33	25.66	45.15	-7.86	-5.57	
42.86-10.77											
	603	2.99	-13.46	-84.97	-66.34	-32.09	31.38	67.87	-17.00	6.57	
44.30-38.01											
	463	5.01	38.21	-121.70	-31.59	-51.90	79.31	25.45	-18.30	-13.44	
20.59-13.75											
	462	2.26	-24.57	-73.74	-25.41	-72.89	-6.39	-2.44	-46.00	-35.73	-
12.71-18.49											
554 59	602	3.50	-11.24	-92.38	-66.93	-36.68	37.64	113.62	-18.89	10.86	
83.88-55.28											
	603	4.10	-4.11	-101.90	-75.42	-30.59	43.45	136.02	-27.12	23.20	
85.71-75.35											
	463	6.09	52.67	-130.50	-27.56	-50.27	90.88	79.13	-39.95	-12.18	
51.36-50.36											
	462	2.51	-21.20	-71.92	-21.78	-71.33	5.40	57.68	-73.70	-34.68	
18.67-60.03											
554 134	602	2.49	-9.44	-66.75	-47.85	-28.34	26.94	77.40	-15.41	4.08	
57.90-37.81											
	603	2.95	-4.03	-73.95	-54.31	-23.68	31.43	94.54	-21.81	13.69	
59.04-53.58											
	463	4.52	39.70	-97.40	-18.91	-38.79	67.83	50.43	-31.95	-12.37	
30.85-35.07											
	462	1.85	-14.43	-55.12	-14.54	-55.01	2.12	33.67	-57.22	-29.71	
6.17-41.76											
554 161	602	1.45	-12.00	-43.80	-26.86	-28.94	15.87	25.40	-23.92	-20.13	
21.61-13.13											
	603	1.83	-7.77	-49.52	-32.87	-24.42	20.44	39.76	-28.40	-9.82	
21.18-30.36											
	463	3.65	36.80	-81.06	-4.86	-39.40	56.34	-7.26	-41.45	-30.25	-
18.46-16.04											
	462	2.11	0.50	-57.17	-0.99	-55.68	-9.15	-25.03	-63.05	-47.76	-
40.32-18.64											
554 164	602	1.28	-12.59	-40.75	-24.22	-29.13	13.86	16.16	-24.94	-23.66	
14.89 -7.12											
	603	1.64	-8.77	-46.06	-30.22	-24.61	18.44	29.12	-28.14	-13.31	
14.28-25.09											
	463	3.48	35.39	-78.97	-3.98	-39.60	54.34	-17.00	-40.34	-31.92	-
25.42-11.21											
	462	2.18	2.02	-58.02	-0.13	-55.88	-11.15	-35.18	-61.33	-49.42	-
47.09-13.02											
554 176	602	1.92	-9.43	-51.05	-31.29	-29.19	20.79	82.63	-13.97	-11.15	
79.80-16.28											
	603	2.21	-4.87	-57.14	-37.34	-24.67	25.36	83.13	-16.17	-5.86	
72.82-30.29											
	463	4.04	40.56	-86.44	-6.22	-39.66	61.26	39.90	-27.09	-21.90	
34.72-17.90											
	462	2.09	-2.03	-56.27	-2.37	-55.93	-4.23	27.59	-46.26	-38.03	
19.37-23.24											
554 218	602	1.42	-11.93	-40.09	-22.82	-29.19	13.72	-3.22	-114.50	-23.32	-
94.40-42.81											
	603	2.11	-8.26	-45.19	-28.76	-24.70	18.36	43.55	-125.73	-4.43	-
77.75-76.29											
	463	4.10	35.34	-78.89	-3.79	-39.77	54.21	-74.30	-326.47	-82.69	-
318.08-45.22											
	462	4.17	2.29	-58.17	0.09	-55.97	-11.32	-103.04	-376.23	-107.95	-

371.32-36.30											
555 15	603	3.58	-0.61	-96.70	-66.60	-30.72	44.57	64.73	-15.09	7.20	
42.45-35.81											
	604	3.78	2.62	-97.22	-82.33	-12.28	35.57	91.95	-6.26	39.52	
46.18-48.99											
	464	5.10	61.31	-106.71	-45.84	0.44	80.76	119.62	40.67	43.96	
116.33-15.78											
	463	2.43	-11.76	-70.61	-34.66	-47.71	28.70	37.76	-8.36	-1.52	
30.92-16.38											
555 103	603	5.06	6.28	-89.80	-49.83	-33.70	47.36	454.91	-14.06	28.39	
412.47134.55											
	604	5.04	5.54	-85.69	-64.81	-15.33	38.32	380.91	-44.71	7.46	
328.74139.58											
	464	6.98	66.62	-102.78	-33.65	-2.51	83.26	447.50	34.58	84.09	
397.99134.13											
	463	3.95	-2.68	-71.02	-22.93	-50.77	31.21	433.69	12.40	47.76	
398.33116.82											
555 156	603	3.55	4.43	-67.24	-37.23	-25.58	35.36	302.85	-8.80	17.30	
276.7586.32											
	604	3.53	3.89	-64.03	-48.68	-11.46	28.40	253.16	-24.69	7.53	
220.9488.96											
	464	5.06	50.93	-77.01	-24.49	-1.58	62.93	303.62	27.85	59.78	
271.6988.23											
	463	2.79	-1.94	-52.97	-16.19	-38.72	22.89	285.77	6.18	28.84	
263.1176.30											
555 159	603	2.38	0.58	-63.32	-39.26	-23.47	30.96	37.94	-20.78	-4.53	
21.69-26.28											
	604	2.44	1.63	-61.70	-50.70	-9.37	24.00	57.23	-10.21	24.06	
22.96-33.72											
	464	3.60	48.01	-71.51	-24.03	0.53	58.48	68.61	27.67	30.46	
65.82-10.32											
	463	1.61	-4.73	-47.30	-15.40	-36.63	18.45	7.17	-20.51	-13.27	-
0.07-12.16											
555 164	603	2.13	1.88	-55.35	-30.11	-23.36	28.42	28.88	-27.80	-12.22	
13.30-25.31											
	604	2.08	1.48	-51.84	-41.05	-9.30	21.42	47.11	-14.54	19.21	
13.35-30.68											
	464	3.37	48.89	-63.66	-15.45	0.68	55.70	51.15	24.47	27.89	
47.73-8.92											
	463	1.49	-0.07	-43.30	-6.79	-36.58	15.67	-8.40	-32.43	-22.52	-
18.31-11.82											
555 192	603	2.68	5.57	-60.48	-30.47	-24.44	32.89	177.13	-8.55	2.64	
165.9544.18											
	604	2.53	4.29	-56.03	-41.35	-10.39	25.89	143.90	1.18	12.35	
132.7238.34											
	464	4.26	52.63	-68.66	-15.63	-0.41	60.17	189.36	27.35	45.83	
170.8951.50											
	463	2.17	2.85	-47.67	-7.16	-37.66	20.14	150.77	-10.61	2.04	
138.1243.38											
555 220	603	2.75	2.48	-56.83	-30.89	-23.46	29.42	46.43	-125.89	-2.28	-
77.18-77.59											
	604	2.99	2.01	-53.64	-42.12	-9.51	22.55	102.25	-120.58	37.45	-
55.77-101.20											
	464	4.26	49.66	-65.53	-16.17	0.30	57.00	4.70	-211.94	-11.17	-
196.07-56.44											
	463	3.02	0.19	-44.45	-7.48	-36.78	16.84	-63.90	-317.19	-72.57	-
308.52-46.05											
556 15	604	4.30	12.78	-106.49	-82.92	-10.79	47.50	90.85	-3.04	41.94	
45.86-46.91											
	605	3.75	7.30	-97.01	-92.87	3.16	20.37	91.56	4.83	52.74	
43.65-43.13											
	465	4.16	59.43	-77.77	-50.12	31.78	55.03	197.34	57.26	68.99	
185.61-38.80											
	464	2.42	14.46	-58.84	-46.35	1.97	27.56	128.87	43.26	47.34	
124.79-18.24											
556 103	604	5.85	19.22	-94.40	-64.97	-10.20	49.77	394.10	-61.39	3.58	
329.13159.29											
	605	4.89	10.09	-80.62	-74.55	4.02	22.68	327.77	-91.77	11.69	
224.31180.83											

	465	6.28	64.21	-70.85	-38.85	32.20	57.43	422.34	31.37	92.41
361.30141.91										
	464	4.59	18.62	-51.21	-35.04	2.46	29.46	460.12	30.79	85.84
405.07143.54										
556 156	604	4.13	14.17	-70.86	-48.80	-7.88	37.27	261.96	-35.41	5.28
221.26102.21										
	605	3.42	7.35	-60.38	-56.13	3.10	16.43	218.72	-54.29	13.00
151.42117.66										
	465	4.52	48.84	-52.55	-28.42	24.71	43.18	292.12	30.68	68.94
253.8792.40										
	464	3.19	13.71	-37.40	-25.53	1.84	21.58	312.61	25.75	61.31
277.0594.53										
556 163	604	2.24	11.08	-59.45	-40.34	-8.03	31.35	53.28	17.13	17.35
53.06-2.84										
	605	1.81	5.32	-49.53	-47.42	3.22	10.54	44.52	28.71	33.69
39.54 7.34										
	465	2.85	45.98	-40.35	-18.76	24.39	37.38	124.77	57.29	57.95
124.12 6.61										
	464	1.34	10.41	-24.90	-16.09	1.59	15.28	95.53	33.55	36.16
92.9212.46										
556 164	604	2.52	10.19	-59.44	-41.16	-8.09	30.64	47.93	-12.40	21.74
13.80-29.91										
	605	2.05	4.97	-50.07	-48.26	3.15	9.83	51.63	1.53	39.06
14.11-21.72										
	465	2.55	45.28	-39.85	-18.90	24.32	36.67	103.24	49.27	54.96
97.56-16.56										
	464	1.14	9.71	-24.43	-16.25	1.53	14.57	55.60	27.56	30.63
52.54-8.74										
556 192	604	3.07	13.89	-63.52	-41.66	-7.98	34.85	149.22	-2.87	13.23
133.1246.79										
	605	2.44	6.82	-52.29	-48.74	3.27	14.04	129.43	-8.62	28.02
92.7860.96										
	465	3.62	48.92	-43.83	-19.35	24.44	40.88	197.94	46.85	65.13
179.6549.28										
	464	2.19	13.40	-28.37	-16.62	1.65	18.78	196.08	27.35	48.03
175.4155.33										
556 219	604	2.73	9.90	-60.45	-42.62	-7.93	30.60	101.13	-13.31	3.50
84.3340.50										
	605	2.28	5.05	-51.37	-49.69	3.36	9.61	110.78	-29.93	18.34
62.5166.80										
	465	3.81	45.32	-39.67	-19.15	24.80	36.37	294.53	73.00	82.63
284.9045.17										
	464	2.47	9.90	-24.54	-16.54	1.89	14.55	306.69	63.95	70.38
300.2638.98										
557 15	605	4.14	13.31	-103.38	-93.69	3.62	32.20	92.77	6.68	54.64
44.81-42.77										
	606	3.16	2.82	-92.20	-92.05	2.67	-3.80	40.98	-6.09	16.56
18.33-23.52										
	466	3.16	40.32	-51.62	-46.41	35.11	21.26	208.30	31.16	58.10
181.35-63.62										
	465	3.08	31.54	-48.91	-48.85	31.48	2.09	201.53	56.70	70.12
188.12-41.99										
557 103	605	5.51	18.15	-87.24	-75.09	6.00	33.66	345.03	-98.10	16.19
230.74193.86										
	606	3.96	6.05	-73.94	-73.88	5.99	-2.17	267.50	-191.48	-21.54
97.55221.63										
	466	4.53	44.63	-42.77	-35.67	37.53	23.86	314.19	-26.65	43.01
244.53137.45										
	465	4.32	33.54	-38.06	-37.88	33.36	3.58	431.09	33.67	100.02
364.74148.20										
557 156	605	3.88	13.39	-65.42	-56.50	4.47	24.97	230.36	-58.39	16.15
155.82126.36										
	606	2.76	4.71	-55.78	-55.67	4.60	-2.57	179.01	-124.72	-11.35
65.64146.91										
	466	3.22	33.90	-31.23	-26.06	28.73	17.61	217.38	-7.32	34.85
175.2187.73										
	465	3.05	25.50	-27.80	-27.74	25.44	1.83	297.86	32.47	74.00
256.3396.42										
557 159	605	2.69	9.93	-65.35	-58.62	3.19	21.48	60.10	4.27	40.97

23.39-26.50											
	606	2.10	4.07	-58.55	-57.97	3.49	-6.02	25.89	1.06	18.28	
8.67-11.45											
	466	2.02	31.11	-28.78	-25.14	27.47	14.32	129.33	28.57	45.62	
112.28-37.79											
	465	1.95	24.14	-26.90	-26.85	24.09	-1.65	126.72	46.44	54.49	
118.67-24.12											
557 164	605	2.32	9.70	-54.54	-48.34	3.50	18.97	52.56	2.52	40.17	
14.92-21.60											
	606	1.87	5.89	-49.45	-48.15	4.59	-8.39	24.55	2.50	22.52	
4.53-6.37											
	466	1.73	31.19	-20.43	-17.06	27.81	12.76	105.85	31.95	46.33	
91.46-29.26											
	465	1.66	24.38	-19.04	-18.64	23.98	-4.14	105.12	48.56	54.91	
98.77-17.86											
557 192	605	2.83	12.46	-57.36	-48.90	3.99	22.79	136.21	-9.94	30.82	
95.4565.54											
	606	2.05	5.46	-49.11	-48.72	5.08	-4.57	110.96	-57.91	11.48	
41.5883.08											
	466	2.45	33.70	-22.67	-17.28	28.30	16.59	147.20	25.24	42.39	
130.0542.39											
	465	2.19	24.48	-18.76	-18.76	24.47	-0.31	201.11	48.24	68.07	
181.2851.36											
557 219	605	2.64	9.64	-55.68	-49.76	3.72	18.75	112.01	-31.26	18.01	
62.7468.06											
	606	2.35	6.18	-50.84	-49.44	4.79	-8.81	119.97	-69.88	15.85	
34.2494.48											
	466	2.68	31.33	-20.28	-17.22	28.27	12.18	217.94	51.68	64.07	
205.5543.66											
	465	2.77	24.90	-19.34	-18.90	24.45	-4.43	294.99	72.78	82.15	
285.6144.67											
558 15	606	3.27	2.08	-93.48	-92.83	1.43	7.83	41.80	-3.99	20.25	
17.56-22.85											
	607	3.17	-4.12	-86.27	-75.34	-15.04	-27.89	-28.32	-103.15	-96.55	-
34.9121.22											
	467	2.65	19.76	-43.54	-38.17	14.39	-17.64	108.59	-37.26	-10.31	
81.64-56.61											
	466	4.08	47.24	-56.20	-45.85	36.89	-31.04	213.98	31.15	61.88	
183.24-68.37											
558 73	606	4.19	7.91	-71.20	-70.65	7.36	6.59	253.64	-220.49	-19.60	
52.74234.29											
	607	4.88	6.79	-72.21	-59.36	-6.06	-29.16	156.25	-358.38	-111.75	-
90.39257.09											
	467	2.71	23.82	-15.00	-11.72	20.54	-10.80	119.73	-213.73	-57.25	-
36.75166.42											
	466	3.75	53.23	-30.43	-16.88	39.68	-30.82	273.10	-77.81	29.74	
165.55161.78											
558 141	606	2.93	5.79	-53.87	-53.53	5.45	4.48	169.87	-144.23	-9.96	
35.60155.39											
	607	3.51	5.57	-55.21	-44.78	-4.86	-22.92	102.44	-244.75	-79.90	-
62.41173.37											
	467	1.89	18.40	-12.38	-9.53	15.56	-8.92	78.05	-138.12	-38.81	-
21.25107.73											
	466	2.70	41.04	-24.30	-13.55	30.29	-24.22	188.80	-39.86	26.34	
122.59103.71											
558 159	606	2.12	2.93	-58.44	-58.29	2.78	2.99	26.46	1.22	19.96	
7.71-11.03											
	607	2.15	3.06	-58.79	-47.24	-8.49	-24.10	-14.85	-61.08	-55.14	-
20.7915.47											
	467	1.67	17.37	-24.69	-20.02	12.70	-13.21	57.63	-22.80	-6.20	
41.03-32.55											
	466	2.81	39.13	-35.55	-25.04	28.61	-25.98	132.43	28.90	48.31	
113.02-40.41											
558 164	606	1.83	4.07	-48.27	-48.26	4.06	0.68	24.99	1.61	23.32	
3.28-6.03											
	607	1.97	8.28	-53.46	-39.04	-6.14	-26.12	-9.15	-47.51	-40.51	-
16.1514.82											
	467	1.40	19.16	-18.10	-12.88	13.95	-12.93	37.98	-18.47	-4.88	
24.39-24.13											

	466	2.59	41.70	-30.13	-17.22	28.79	-27.58	108.01	32.51	48.85	
91.66-31.09											
558 181	606	2.13	4.16	-42.70	-42.46	3.92	-3.40	124.77	-95.20	48.23	-
18.66-104.78											
	607	2.92	13.39	-52.65	-32.98	-6.29	-30.21	80.94	-85.99	-12.35	
7.30-82.88											
	467	2.42	21.99	-21.54	-13.35	13.80	-17.01	137.27	-76.51	12.86	
47.89-105.44											
	466	3.49	44.68	-33.89	-17.85	28.64	-31.66	179.71	-47.40	61.07	
71.25-113.44											
558 215	606	2.03	4.57	-47.69	-47.68	4.56	-0.73	120.33	-74.23	15.18	
30.9296.96											
	607	3.06	10.22	-54.04	-38.39	-5.44	-27.59	111.17	-98.09	7.58	
5.50104.63											
	467	1.45	20.81	-18.74	-12.52	14.59	-14.39	87.09	-13.46	12.82	
60.8144.18											
	466	2.65	43.40	-30.87	-16.86	29.39	-29.05	212.31	52.58	65.15	
199.7443.01											
559 15	607	2.90	-16.44	-81.92	-75.67	-22.68	-19.23	-18.02	-114.59	-98.51	-
34.1035.97											
	608	3.63	1.77	-81.03	-44.90	-34.37	-41.06	-70.84	-318.23	-311.40	-
77.6840.56											
	468	3.88	24.26	-83.39	-14.02	-45.11	-51.53	-98.53	-284.50	-278.08	-
104.9433.93											
	467	5.14	69.66	-82.17	-37.67	25.16	-69.11	103.98	-27.82	10.43	
65.72-59.82											
559 73	607	5.27	3.20	-72.60	-56.60	-12.80	-30.93	320.43	-166.06	202.12	-
47.76208.71											
	608	4.50	18.98	-81.89	-34.67	-28.24	-50.33	138.30	-125.16	62.85	-
49.71119.10											
	468	4.92	44.48	-75.62	10.03	-41.17	-54.32	-21.26	-282.62	-158.05	-
145.82130.54											
	467	6.36	88.46	-68.44	-11.80	31.82	-75.36	175.70	-140.42	62.16	-
26.89151.66											
559 141	607	3.72	1.96	-54.86	-42.89	-10.01	-23.17	210.95	-116.23	128.86	-
34.13141.85											
	608	3.25	14.18	-61.97	-25.93	-21.86	-38.02	78.64	-93.00	22.06	-
36.4180.69											
	468	3.65	33.10	-57.89	7.00	-31.79	-41.16	-26.81	-207.06	-126.84	-
107.0389.58											
	467	4.63	66.96	-52.56	-9.81	24.22	-57.29	115.25	-89.03	41.96	-
15.7497.98											
559 159	607	1.88	-6.53	-54.44	-47.11	-13.85	-17.24	-9.65	-69.34	-57.88	-
21.1123.51											
	608	2.50	7.05	-58.33	-26.94	-24.35	-32.67	-37.42	-190.53	-188.14	-
39.8118.99											
	468	2.89	22.64	-59.48	-3.37	-33.48	-38.20	-72.30	-188.35	-183.95	-
76.6922.15											
	467	3.70	57.17	-56.84	-20.83	21.16	-53.00	54.03	-17.15	5.69	
31.19-33.23											
559 164	607	1.65	-1.31	-48.41	-38.62	-11.10	-19.11	-6.29	-55.10	-44.19	-
17.2020.34											
	608	2.34	11.56	-55.44	-21.13	-22.75	-33.49	-23.82	-149.58	-148.84	-
24.569.65											
	468	2.82	25.86	-56.11	2.30	-32.55	-37.10	-69.61	-165.05	-161.04	-
73.6119.14											
	467	3.52	60.00	-52.06	-14.59	22.53	-52.87	34.41	-14.12	3.91	
16.39-23.45											
559 189	607	2.69	1.82	-51.21	-38.19	-11.21	-22.83	-20.90	-155.19	-136.47	-
39.61-46.51											
	608	3.20	15.42	-59.01	-20.75	-22.85	-37.20	-28.98	-243.44	-238.68	-
33.73-31.58											
	468	2.91	28.13	-60.05	0.73	-32.65	-40.81	-63.25	-187.31	-184.99	-
65.56-16.79											
	467	4.46	62.92	-56.64	-16.15	22.43	-56.58	86.18	-89.52	-22.49	
19.15-85.35											
559 216	607	2.50	-2.16	-47.75	-38.38	-11.53	-18.42	11.67	-138.62	-88.59	-
38.35-70.82											
	608	3.25	10.65	-54.44	-21.00	-22.80	-32.54	-58.35	-314.82	-312.41	-

60.76-24.74											
	468	2.73	24.38	-55.69	1.92	-33.23	-35.97	-70.53	-206.03	-205.83	-
70.73-5.15											
	467	4.23	58.86	-51.64	-14.82	22.04	-52.09	80.29	-111.12	-11.18	-
19.64-95.61											
560 15	608	5.28	35.35	-123.93	-45.09	-43.50	-79.64	76.56	-15.74	61.99	-
1.1633.66											
	609	4.25	49.96	-90.08	-10.64	-29.48	-69.38	-5.00	-35.54	-26.39	-
14.1613.99											
	469	5.17	53.54	-120.35	0.08	-66.89	-80.24	-63.69	-95.84	-72.47	-
87.0614.32											
	468	6.68	97.47	-122.33	0.99	-25.85	-109.08	48.11	-48.93	36.87	-
37.6931.05											
560 79	608	6.05	38.45	-131.26	-47.03	-45.78	-84.85	176.71	-38.10	157.29	-
18.6861.60											
	609	4.64	52.91	-97.47	-12.80	-31.76	-74.59	77.48	-11.63	72.74	-
6.8920.01											
	469	5.57	59.70	-125.83	3.05	-69.17	-85.45	-20.02	-108.72	-30.22	-
98.5228.29											
	468	7.38	103.47	-127.39	4.21	-28.13	-114.29	101.92	-92.97	75.29	-
66.3466.94											
560 144	608	4.42	28.51	-96.91	-33.94	-34.45	-62.71	125.78	-22.92	112.84	-
9.9841.91											
	609	3.39	38.42	-72.04	-9.12	-24.50	-54.69	50.54	-6.23	47.32	-
3.0113.13											
	469	4.08	43.45	-93.30	3.48	-53.32	-62.20	-21.43	-78.86	-28.27	-
72.0218.60											
	468	5.45	76.97	-94.19	3.99	-21.21	-84.65	75.77	-65.76	57.47	-
47.4747.48											
560 159	608	3.42	24.10	-81.34	-26.03	-31.21	-52.66	59.05	5.65	54.57	
10.13 14.81											
	609	2.71	30.13	-60.12	-6.03	-23.96	-44.23	2.86	-14.63	-13.77	
2.00 3.79											
	469	3.46	33.84	-80.58	6.19	-52.94	-48.98	-53.42	-61.24	-58.70	-
55.973.66											
	468	4.45	66.47	-80.18	5.37	-19.08	-72.30	49.86	-32.97	43.22	-
26.3422.49											
560 164	608	2.94	21.90	-70.80	-19.42	-29.49	-46.07	60.79	17.61	59.84	
18.56 6.33											
	609	2.30	23.97	-53.29	-4.39	-24.93	-37.24	11.97	-8.89	-8.77	
11.85 -1.54											
	469	3.10	29.34	-72.53	10.88	-54.08	-39.24	-47.27	-61.23	-60.95	-
47.55-1.96											
	468	3.93	60.09	-69.66	8.89	-18.46	-63.42	60.03	-29.75	54.59	-
24.3121.42											
560 188	608	3.56	24.62	-77.27	-22.03	-30.62	-50.77	134.10	1.18	126.90	
8.3830.08											
	609	2.63	26.53	-59.50	-6.90	-26.07	-41.93	61.56	14.13	60.78	
14.92 6.05											
	469	3.36	34.73	-76.66	13.27	-55.21	-43.93	-32.68	-61.57	-36.81	-
57.4310.12											
	468	4.52	65.68	-73.99	11.29	-19.60	-68.11	94.35	-62.58	76.59	-
44.8149.73											
560 219	608	3.44	21.65	-71.80	-20.32	-29.83	-46.48	167.05	32.27	158.12	
41.2033.52											
	609	2.36	24.53	-54.26	-5.09	-24.64	-38.17	8.37	-15.66	-14.63	
7.33-4.88											
	469	3.17	30.24	-72.94	10.97	-53.67	-40.21	-57.60	-72.47	-71.93	-
58.15-2.79											
	468	4.19	60.92	-70.10	8.86	-18.05	-64.11	106.88	-37.18	94.46	-
24.7640.42											
561 15	609	4.47	49.74	-99.19	-16.82	-32.62	-74.04	-11.17	-33.41	-27.04	-
17.5410.06											
	610	2.92	49.86	-49.62	0.87	-0.63	-49.74	-24.18	-67.07	-67.00	-
24.251.69											
	470	3.07	39.80	-61.59	-1.39	-20.41	-49.79	-48.14	-81.45	-48.14	-
81.450.20											
	469	5.29	65.92	-113.60	9.14	-56.81	-83.48	-72.86	-91.03	-82.24	-
81.659.08											

561	57	609	5.07	58.86	-105.63	-21.07	-25.70	-82.21	-24.89	-88.78	-75.42	-38.25	25.98
		610	3.74	60.09	-56.04	-2.25	6.29	-57.91	-24.91	-123.04	-112.76	-35.18	30.04
		470	3.76	51.32	-65.33	-0.53	-13.49	-57.96	-37.97	-112.25	-60.58	-89.64	34.18
		469	5.89	75.19	-117.05	8.04	-49.89	-91.65	-65.96	-127.29	-97.35	-95.89	30.66
561	133	609	3.70	42.66	-78.12	-14.75	-20.71	-60.32	-16.58	-58.69	-51.28	-24.00	16.04
		610	2.64	41.58	-41.56	-1.58	1.60	-41.54	-16.66	-81.86	-76.05	-22.47	18.58
		470	2.64	35.47	-48.23	0.07	-12.83	-41.35	-27.42	-76.13	-38.92	-64.63	20.69
		469	4.28	53.98	-86.73	6.70	-39.45	-66.46	-52.92	-91.04	-73.56	-70.40	18.99
561	159	609	2.90	31.56	-66.20	-8.57	-26.07	-48.09	0.86	-13.57	-13.25	0.54	-2.11
		610	1.78	23.95	-35.24	-0.06	-11.23	-29.07	-2.56	-27.40	-26.06	-3.90	-5.61
		470	2.03	19.75	-41.52	1.32	-23.10	-28.10	-7.84	-49.80	-9.80	-47.84	-8.85
		469	3.47	39.13	-75.60	8.76	-45.23	-50.61	-53.78	-65.13	-64.20	-54.72	-3.12
561	164	609	2.60	26.67	-58.71	-5.23	-26.81	-41.30	15.35	-11.56	-7.48	11.27	-9.65
		610	1.51	13.94	-34.00	-0.61	-19.46	-22.04	13.34	-12.52	-6.58	7.39	-10.88
		470	1.88	13.01	-38.62	3.15	-28.75	-20.30	15.76	-41.26	11.02	-36.52	-15.74
		469	3.05	30.98	-67.30	10.09	-46.40	-40.21	-43.13	-70.31	-64.91	-48.53	-10.84
561	182	609	2.76	28.11	-60.62	-5.39	-27.12	-43.01	10.48	-19.05	-10.34	1.76	-13.47
		610	1.65	16.49	-35.32	0.93	-19.76	-23.75	6.61	-19.24	-9.62	-3.02	-12.50
		470	2.05	15.34	-39.97	4.43	-29.06	-22.01	21.90	-50.66	17.26	-46.02	-17.74
		469	3.24	33.21	-68.70	11.22	-46.71	-41.92	-42.21	-73.15	-58.11	-57.24	-15.46
561	207	609	2.69	28.29	-62.10	-7.89	-25.92	-44.28	2.68	-19.07	-18.71	2.32	-2.77
		610	1.54	14.92	-34.04	-2.99	-16.13	-23.59	-7.94	-63.64	-62.97	-8.62	-6.10
		470	1.81	15.23	-39.61	2.07	-26.45	-23.42	-16.12	-45.84	-16.37	-45.59	-2.68
		469	3.11	32.49	-68.74	9.06	-45.31	-42.70	-52.61	-78.45	-76.23	-54.83	-7.24
562	15	450	1.91	18.81	-32.37	4.26	-17.82	23.09	-46.70	-117.26	-92.69	-71.28	-33.61
		471	4.83	19.35	-108.58	12.95	-102.17	-27.91	5.55	-213.23	-113.18	-94.50	-108.99
		611	2.92	9.22	-51.09	1.68	-43.56	-19.94	36.47	-219.35	-141.44	-41.43	-117.73
		590	1.85	1.59	-31.24	0.19	-29.84	6.64	-32.56	-186.27	-176.01	-42.82	-38.36
562	103	450	4.03	36.55	-30.94	20.51	-14.90	28.73	254.82	-173.69	106.18	-25.04	-203.96
		471	5.53	27.44	-100.79	24.30	-97.64	-19.83	185.25	-221.08	36.69	-72.51	-195.69
		611	4.08	15.31	-43.17	11.80	-39.66	-13.89	337.70	-116.14	197.84	23.72	-209.55
		590	3.34	14.71	-32.11	11.21	-28.62	12.31	340.89	-109.73	192.44	38.72	-211.80
562	156	450	2.88	27.00	-23.95	14.78	-11.73	21.75	172.63	-121.67	71.70	-20.74	-139.70
		471	4.10	20.28	-77.56	17.85	-75.14	-15.22	119.47	-164.84	11.43	-56.80	-138.00
		611	2.92	11.45	-33.49	8.59	-30.63	-10.97	226.18	-88.21	122.43		

15.54-147.83											
	590	2.34	9.95	-25.11	7.39	-22.55	9.13	226.34	-78.63	122.05	
25.67-144.67											
562 159	450	1.48	17.46	-24.91	6.14	-13.59	18.75	-6.03	-61.91	-27.01	-
40.93-27.06											
	471	3.42	14.80	-80.20	11.33	-76.73	-17.82	-10.69	-149.86	-93.10	-
67.45-68.39											
	611	1.95	8.40	-37.07	3.66	-32.33	-13.91	31.01	-133.36	-87.35	-
14.99-73.80											
	590	1.30	1.14	-26.14	-0.32	-24.69	6.13	-5.39	-94.74	-85.23	-
14.90-27.55											
562 164	450	1.51	19.76	-24.94	8.33	-13.51	19.50	21.86	-45.30	6.86	-
30.30-27.98											
	471	3.21	14.88	-77.80	12.38	-75.30	-15.03	-21.46	-139.70	-97.72	-
63.44-56.58											
	611	1.73	9.47	-35.43	5.46	-31.42	-12.81	33.50	-106.55	-70.95	-
2.09-60.98											
	590	1.25	1.09	-27.78	-0.67	-26.02	6.91	10.69	-58.66	-46.87	-
1.10-26.06											
562 170	450	2.43	17.89	-24.85	7.37	-14.33	18.41	106.80	-118.73	0.02	-
11.95-112.61											
	471	3.91	14.88	-78.98	12.02	-76.12	-16.12	44.42	-240.28	-110.92	-
84.95-141.76											
	611	2.86	9.84	-36.83	5.25	-32.24	-13.90	104.32	-222.12	-92.71	-
25.09-159.68											
	590	2.16	-0.16	-28.11	-1.43	-26.84	5.82	108.86	-152.03	-62.36	
19.19-123.91											
562 199	450	2.37	22.00	-27.72	8.20	-13.92	22.27	39.47	-129.72	-47.65	-
42.61-84.56											
	471	4.04	13.94	-77.96	11.83	-75.84	-13.78	48.30	-247.51	-88.13	-
111.07-147.46											
	611	3.05	8.82	-34.45	5.58	-31.21	-11.39	155.42	-225.94	-52.13	-
18.39-189.93											
	590	2.10	1.01	-28.49	-1.63	-25.84	8.43	29.28	-194.26	-141.24	-
23.73-95.08											
563 15	468	2.96	1.29	-37.14	-6.30	-29.54	-15.30	386.29	35.41	386.26	
35.44-3.35											
	472	5.76	38.93	-131.52	10.13	-102.72	-63.87	-56.21	-202.67	-154.86	-
104.0168.67											
	612	4.45	42.30	-89.99	3.00	-50.69	-60.45	104.36	9.80	18.22	
95.9326.94											
	608	3.03	21.40	-54.57	0.92	-34.09	-33.71	329.79	151.91	328.43	
153.2715.48											
563 57	468	3.22	7.04	-47.78	-9.54	-31.20	-25.18	409.85	25.04	406.88	
28.0133.72											
	472	6.69	44.40	-140.94	7.84	-104.38	-73.75	12.25	-231.14	-131.59	-
87.30119.67											
	612	5.56	52.68	-99.45	5.58	-52.35	-70.33	181.45	10.06	73.23	
118.2882.68											
	608	3.95	31.80	-63.88	3.67	-35.74	-43.59	394.85	149.15	380.71	
163.2857.22											
563 133	468	2.33	3.22	-33.03	-6.05	-23.76	-15.82	306.84	18.93	305.18	
20.5921.80											
	472	4.87	32.07	-104.99	6.85	-79.78	-53.11	-2.13	-169.90	-100.60	-
71.4382.61											
	612	3.98	38.19	-73.06	4.86	-39.74	-50.96	122.31	11.96	50.69	
83.5952.66											
	608	2.79	21.33	-46.26	2.39	-27.32	-30.35	286.69	110.98	278.37	
119.3037.32											
563 159	468	2.17	-0.72	-22.46	-0.76	-22.42	-0.97	273.01	19.88	272.95	
19.94-4.00											
	472	3.72	24.46	-91.74	10.28	-77.56	-38.03	-62.84	-134.38	-106.32	-
90.8934.93											
	612	2.71	27.46	-59.06	5.85	-37.46	-37.45	52.15	13.97	14.03	
52.10 -1.47											
	608	1.82	8.20	-34.33	0.07	-26.20	-16.72	213.87	95.44	213.84	
95.47 1.66											
563 164	468	2.20	4.37	-24.19	2.36	-22.18	7.30	254.57	14.24	254.47	
14.35-5.08											

	472	3.42	21.13	-85.39	12.19	-76.44	-29.54	-76.59	-119.16	-96.54	-
99.2121.24											
	612	2.32	24.01	-51.74	8.55	-36.28	-30.53	46.11	3.43	14.03	
35.50-18.44											
	608	1.56	2.82	-29.41	-0.41	-26.18	-9.68	184.53	77.95	184.17	
78.31-6.17											
563 176	468	2.28	1.69	-24.03	1.69	-24.03	-0.17	261.84	4.20	259.29	
6.7625.52											
	472	3.86	25.03	-91.55	11.78	-78.29	-37.01	-32.63	-149.97	-90.26	-
92.3558.66											
	612	2.95	32.27	-58.64	11.75	-38.13	-38.00	62.27	17.88	35.05	
45.1021.62											
	608	1.89	10.82	-35.60	3.25	-28.03	-17.15	209.37	75.49	203.70	
81.1726.96											
563 210	468	2.18	6.29	-25.07	2.82	-21.59	9.85	245.14	10.52	244.93	
10.73-7.04											
	472	3.48	19.96	-84.64	12.20	-76.89	-27.40	-93.20	-117.97	-101.31	-
109.8611.62											
	612	2.39	21.73	-49.79	8.37	-36.43	-27.88	52.12	-21.52	7.74	
22.85-36.04											
	608	1.39	1.63	-27.29	-0.19	-25.48	-7.01	158.20	67.15	156.53	
68.82-12.21											
564 15	470	3.86	56.48	-75.32	1.33	-20.17	65.02	29.16	19.99	20.16	
28.98-1.25											
	473	3.13	14.32	-81.39	8.91	-75.98	22.10	63.19	-36.03	2.32	
24.8548.31											
	613	2.18	15.73	-50.66	6.50	-41.43	22.97	81.85	15.04	23.90	
72.9922.65											
	610	3.33	54.02	-54.59	1.44	-2.00	54.28	93.83	61.62	69.65	
85.8013.94											
564 57	470	4.59	65.55	-76.87	0.63	-11.95	70.93	77.73	-5.83	31.68	
40.2241.56											
	473	3.62	16.90	-77.03	7.63	-67.76	28.01	114.91	-84.96	12.49	
17.4799.90											
	613	2.66	20.12	-48.85	4.48	-33.21	28.88	141.79	-4.67	54.05	
83.0771.78											
	610	4.18	63.37	-57.16	-7.57e-03	6.22	60.19	155.29	46.71	101.14	
100.8654.29											
564 133	470	3.30	46.63	-57.53	0.93	-11.83	51.68	49.56	-4.01	18.10	
27.4526.38											
	473	2.65	12.12	-59.22	6.36	-53.45	19.45	80.51	-52.36	14.01	
14.1366.44											
	613	1.83	13.21	-36.26	3.72	-26.77	19.48	97.13	1.73	39.76	
59.1046.70											
	610	2.97	44.32	-42.94	-0.07	1.45	43.62	105.06	33.21	68.45	
69.8235.91											
564 162	470	2.33	24.73	-50.15	4.16	-29.58	33.42	7.49	-22.99	-21.46	
5.97-6.65											
	473	2.35	9.90	-63.22	9.35	-62.68	6.27	44.09	20.06	43.72	
20.43 2.97											
	613	1.38	5.65	-35.48	5.54	-35.37	2.11	35.09	25.71	31.06	
29.74-4.64											
	610	1.72	18.14	-39.09	-0.14	-20.81	26.68	20.91	10.79	10.90	
20.80 1.03											
564 164	470	2.33	24.24	-49.39	3.80	-28.95	32.98	8.01	-25.90	-22.64	
4.74-10.01											
	473	2.33	9.97	-62.52	9.50	-62.05	5.82	42.71	18.58	42.65	
18.64-1.24											
	613	1.36	5.58	-34.81	5.51	-34.74	1.67	36.52	19.31	27.91	
27.92-8.61											
	610	1.72	17.70	-38.35	-0.46	-20.18	26.23	19.73	7.29	7.64	
19.37-2.08											
564 170	470	2.70	22.42	-52.36	5.04	-34.97	31.59	33.59	-55.33	-30.77	
9.03-39.76											
	473	2.61	11.07	-68.32	10.82	-68.08	4.43	68.69	-5.74	35.30	
27.66-37.02											
	613	1.77	7.06	-40.76	7.06	-40.76	0.28	66.63	-23.83	7.53	
35.28-43.05											
	610	2.07	15.59	-40.98	0.82	-26.21	24.85	36.04	-32.45	-13.59	

17.18-30.59											
564 205	470	2.53	22.58	-49.04	4.34	-30.80	31.20	11.65	-68.44	-56.38	-
0.41-28.64											
	473	2.39	10.48	-63.43	10.20	-63.15	4.49	84.67	5.55	62.05	
28.17-35.75											
	613	1.56	6.31	-35.55	6.31	-35.55	0.20	87.61	34.95	59.02	
63.54-26.24											
	610	1.84	15.45	-38.46	0.29	-23.29	24.24	8.98	-51.34	-49.41	
7.05-10.61											
565 15	471	4.41	10.63	-100.29	4.22	-93.89	-25.87	-7.27	-199.62	-105.43	-
101.46-96.15											
	474	6.64	51.59	-113.11	-2.47	-59.05	-77.34	104.97	-208.10	-44.29	-
58.83-156.36											
	614	4.91	29.37	-84.43	-17.38	-37.68	-55.99	85.21	-181.46	-74.07	-
22.18-130.78											
	611	2.80	10.61	-54.10	5.83	-49.32	-16.93	31.23	-207.82	-135.78	-
40.81-109.69											
565 101	471	5.02	14.41	-108.24	6.70	-100.54	-29.75	29.61	-220.90	-84.06	-
107.23-124.72											
	474	6.86	54.83	-120.44	0.09	-65.70	-81.22	69.73	-212.61	-32.22	-
110.67-135.61											
	614	5.05	34.68	-89.71	-10.70	-44.33	-59.88	91.37	-141.05	9.95	-
59.63-110.88											
	611	3.66	18.24	-61.81	12.41	-55.97	-20.81	117.43	-189.08	-42.23	-
29.42-153.12											
565 155	471	3.74	11.48	-81.63	6.11	-76.26	-21.72	15.43	-163.87	-67.67	-
80.77-89.41											
	474	5.12	41.59	-90.79	0.37	-49.57	-61.30	48.28	-154.88	-28.11	-
78.49-98.41											
	614	3.73	26.20	-67.29	-7.90	-33.19	-45.00	63.31	-99.62	1.71	-
38.01-79.01											
	611	2.65	13.17	-46.39	8.99	-42.20	-15.23	80.69	-138.08	-37.63	-
19.75-109.02											
565 159	471	3.16	11.72	-73.88	8.36	-70.53	-16.62	-19.96	-137.87	-84.55	-
73.28-58.69											
	474	4.54	38.60	-82.33	0.48	-44.21	-56.18	44.87	-127.43	-42.95	-
39.62-86.13											
	614	3.19	22.82	-59.90	-9.08	-28.00	-40.26	46.26	-91.91	-45.63	-
0.01-65.21											
	611	1.85	7.86	-40.10	4.98	-37.22	-11.39	25.22	-124.94	-85.54	-
14.17-66.06											
565 164	471	3.01	14.64	-71.60	12.26	-69.23	-14.11	-30.59	-126.23	-87.18	-
69.64-47.01											
	474	4.10	37.80	-78.78	2.30	-43.28	-53.65	17.94	-102.98	-49.74	-
35.31-60.02											
	614	2.74	23.08	-56.12	-5.79	-27.25	-38.12	33.64	-57.57	-36.95	
13.02-38.15											
	611	1.64	7.68	-38.99	5.36	-36.67	-10.15	26.70	-98.79	-71.08	-
1.00-52.05											
565 170	471	3.68	14.03	-70.80	10.78	-67.54	-16.29	49.80	-207.72	-71.43	-
86.50-128.54											
	474	4.98	39.36	-80.10	0.85	-41.59	-55.83	44.33	-197.86	-52.52	-
101.01-118.64											
	614	3.78	25.48	-57.37	-6.33	-25.56	-40.30	102.32	-129.19	16.97	-
43.84-111.69											
	611	2.78	8.32	-38.49	4.81	-34.98	-12.33	142.32	-160.50	-7.65	-
10.53-151.40											
565 204	471	3.75	13.56	-71.48	11.50	-69.41	-13.09	30.67	-230.37	-84.50	-
115.20-129.61											
	474	5.03	36.70	-78.31	1.67	-43.28	-52.93	45.54	-221.55	-32.40	-
143.61-121.42											
	614	4.01	22.42	-55.48	-5.99	-27.08	-37.49	144.80	-154.40	17.01	-
26.61-148.00											
	611	2.68	6.96	-38.59	4.95	-36.58	-9.36	120.95	-200.04	-60.04	-
19.05-159.18											
566 15	472	5.52	31.19	-128.31	0.31	-97.42	-63.03	-22.65	-209.78	-109.07	-
123.3793.29											
	475	7.87	80.53	-147.03	-7.31	-59.20	-110.78	-36.93	-298.83	-121.73	-
214.03122.55											
	615	6.15	68.30	-119.02	-9.16	-41.56	-92.25	25.68	-112.94	-86.85	-

0.4154.18											
	612	4.44	41.13	-87.37	8.12	-54.36	-56.14	108.27	-8.81	-0.71	
100.1829.70											
566 57	472	6.47	39.31	-132.12	0.86	-93.68	-71.51	32.22	-257.53	-114.86	-
110.45144.86											
	475	8.81	90.71	-152.76	-6.60	-55.45	-119.26	7.51	-318.49	-128.51	-
182.47160.75											
	615	7.20	79.93	-123.99	-6.25	-37.81	-100.73	77.42	-168.58	-117.54	
26.3899.76											
	612	5.43	51.74	-91.42	10.94	-50.61	-64.62	135.01	-81.13	-34.92	
88.8188.61											
566 133	472	4.70	28.56	-98.31	2.19	-71.94	-51.48	15.77	-188.82	-84.99	-
88.07102.28											
	475	6.47	67.20	-113.37	-3.81	-42.37	-88.20	-2.86	-238.65	-94.10	-
147.41114.84											
	615	5.21	58.65	-91.72	-4.08	-28.99	-74.15	45.88	-117.66	-84.12	
12.3366.04											
	612	3.90	37.08	-67.71	8.39	-39.02	-46.72	92.47	-51.19	-22.77	
64.0457.23											
566 159	472	3.54	21.62	-87.46	6.96	-72.80	-37.20	-29.89	-144.71	-72.15	-
102.4555.38											
	475	5.15	55.62	-98.21	0.09	-42.68	-73.88	-38.48	-218.76	-76.39	-
180.8473.47											
	615	3.81	45.67	-78.29	-2.71	-29.92	-60.47	-15.64	-60.25	-53.41	-
22.4816.07											
	612	2.71	25.16	-58.33	7.36	-40.54	-34.19	54.03	1.87	1.95	
53.95 2.08											
566 164	472	3.29	20.97	-80.02	12.11	-71.16	-28.57	-37.28	-134.10	-63.16	-
108.2342.85											
	475	4.47	50.96	-86.99	4.46	-40.49	-65.21	-41.38	-215.06	-63.21	-
193.2457.57											
	615	3.26	40.53	-68.27	0.61	-28.35	-52.44	-37.32	-45.28	-43.17	-
39.43-3.51											
	612	2.21	20.61	-51.96	8.22	-39.56	-27.31	41.35	-1.22	3.86	
36.27-13.79											
566 176	472	3.75	26.46	-83.86	13.00	-70.40	-36.11	-6.26	-167.15	-70.45	-
102.9678.78											
	475	5.19	59.07	-93.29	5.51	-39.73	-72.75	-25.62	-216.00	-70.94	-
170.6881.08											
	615	3.93	50.22	-73.82	3.99	-27.59	-59.98	-14.24	-81.30	-70.56	-
24.9824.59											
	612	2.94	29.31	-56.62	11.49	-38.80	-34.84	36.77	-37.91	-26.06	
24.9327.29											
566 212	472	3.29	22.74	-81.34	12.65	-71.25	-30.79	-23.91	-134.07	-62.05	-
95.9252.41											
	475	4.70	53.83	-88.62	5.41	-40.21	-67.47	-33.46	-199.56	-63.90	-
169.1264.26											
	615	3.45	44.33	-69.95	2.44	-28.06	-55.07	-23.34	-53.09	-48.92	-
27.5110.33											
	612	2.50	23.73	-53.74	9.60	-39.60	-29.92	45.03	1.85	1.87	
45.01 0.98											
567 7	473	3.28	16.71	-85.38	16.08	-84.75	7.96	53.39	14.22	52.52	
15.10-5.80											
	476	3.06	19.59	-70.88	4.07	-55.36	-34.10	14.81	-42.82	12.81	-
40.82-10.54											
	616	1.84	7.08	-49.84	-0.03	-42.73	-18.81	60.92	8.58	26.33	
43.17-24.78											
	613	1.96	9.65	-49.43	7.80	-47.58	10.28	49.09	25.93	39.31	
35.71-11.44											
567 59	473	3.80	12.76	-81.45	3.28	-71.97	28.34	116.25	-110.00	-0.36	
6.61113.07											
	476	2.33	-4.49	-50.18	-7.86	-46.82	-11.93	63.36	-169.43	-42.80	-
63.27115.94											
	616	1.56	-8.79	-35.85	-9.86	-34.77	5.28	90.12	-97.17	-36.25	
29.1987.75											
	613	3.27	24.93	-55.26	5.02	-35.35	34.64	119.32	-86.45	-13.59	
46.4698.41											
567 141	473	2.62	10.15	-71.64	10.07	-71.56	2.56	52.21	17.98	46.26	
23.9312.97											

	476	2.45	14.56	-63.09	0.84	-49.37	-29.61	18.23	-14.01	17.35	-
13.135.27											
	616	1.84	6.99	-46.29	0.32	-39.62	-17.63	51.63	33.56	34.57	
50.62 -4.16											
	613	1.68	7.33	-43.54	6.88	-43.09	4.81	53.42	31.15	44.27	
40.2910.95											
567 162	473	2.44	10.01	-66.33	9.73	-66.06	4.54	38.24	16.93	38.12	
17.05 -1.63											
	476	2.34	13.75	-57.32	0.72	-44.28	-27.50	8.10	-25.71	7.80	-
25.40-3.19											
	616	1.50	4.85	-40.38	-1.05	-34.47	-15.24	46.78	12.48	21.49	
37.77-15.10											
	613	1.54	7.48	-38.82	6.29	-37.63	7.32	36.59	26.40	31.29	
31.70-5.09											
567 164	473	2.41	10.32	-65.08	9.97	-64.72	5.15	37.78	13.77	36.60	
14.96-5.20											
	476	2.32	13.73	-55.71	0.97	-42.95	-26.89	6.85	-29.60	5.95	-
28.70-5.64											
	616	1.41	4.46	-38.84	-1.24	-33.14	-14.64	46.07	6.78	18.46	
34.38-17.96											
	613	1.52	7.56	-37.73	6.12	-36.30	7.93	37.85	19.72	28.29	
29.28-9.05											
567 178	473	2.60	10.81	-69.06	10.81	-69.06	-0.04	75.87	-7.40	46.93	
21.53-39.65											
	476	2.91	17.96	-63.06	2.19	-47.29	-32.08	41.84	-40.92	17.86	-
16.94-37.55											
	616	2.03	9.52	-45.84	1.16	-37.48	-19.82	91.00	-4.74	38.49	
47.76-47.64											
	613	1.70	8.24	-40.79	8.09	-40.64	2.75	83.48	0.39	46.90	
36.97-41.24											
567 210	473	2.45	10.62	-65.92	10.44	-65.74	3.67	76.14	-2.03	49.88	
24.23-36.92											
	476	2.55	15.57	-56.74	1.73	-42.90	-28.45	31.91	-32.26	18.55	-
18.91-26.05											
	616	1.74	7.05	-39.88	0.13	-32.96	-16.64	118.09	35.06	51.16	
101.99-32.83											
	613	1.74	7.76	-38.02	6.92	-37.18	6.16	82.95	34.08	50.82	
66.20-23.19											
568 15	474	6.15	41.67	-106.42	-12.69	-52.05	-71.38	105.11	-198.21	-39.62	-
53.49-151.50											
	477	6.25	65.43	-75.21	-15.41	5.63	-69.53	194.57	-185.09	-10.39	
19.87-189.23											
	617	5.18	33.95	-88.57	-38.64	-15.98	-60.20	130.53	-139.56	-21.72	
12.69-133.95											
	614	4.48	24.77	-73.09	-14.57	-33.76	-47.98	90.79	-185.69	-74.50	-
20.40-135.56											
568 101	474	6.39	44.38	-118.56	-17.04	-57.15	-78.96	74.11	-184.14	-8.17	-
101.87-120.32											
	477	6.43	68.50	-86.95	-18.99	0.54	-77.11	143.13	-207.08	11.74	-
75.68-169.56											
	617	5.43	41.25	-94.80	-32.48	-21.08	-67.79	52.53	-185.46	-43.21	-
89.73-116.70											
	614	4.81	33.46	-81.54	-9.23	-38.85	-55.56	32.40	-200.68	-92.53	-
75.74-116.24											
568 155	474	4.75	33.78	-88.41	-11.42	-43.21	-58.99	51.41	-135.12	-11.63	-
72.08-88.23											
	477	4.78	52.36	-64.93	-13.77	1.20	-58.16	108.88	-140.51	10.99	-
42.62-121.78											
	617	3.96	30.98	-70.49	-24.43	-15.08	-50.52	41.55	-122.16	-25.19	-
55.41-80.45											
	614	3.53	24.75	-60.98	-6.99	-29.24	-41.40	25.79	-140.48	-66.25	-
48.44-82.66											
568 159	474	4.15	31.88	-75.44	-4.48	-39.09	-50.79	47.07	-122.12	-39.49	-
35.56-84.57											
	477	4.20	50.25	-54.67	-9.87	5.45	-51.90	126.28	-76.38	9.98	
39.92-100.22											
	617	3.19	26.17	-60.57	-24.71	-9.69	-42.71	71.93	-40.85	8.12	
22.95-55.90											
	614	2.86	18.60	-52.46	-8.42	-25.45	-34.49	49.87	-92.15	-44.21	

1.93-67.16											
568 164	474	3.70	31.88	-70.68	-0.44	-38.36	-47.65	21.76	-99.43	-46.38	-
31.30-60.12											
	477	3.74	50.19	-52.23	-8.35	6.30	-50.68	109.09	-26.60	23.73	
58.76-65.55											
	617	2.59	26.22	-54.79	-20.88	-7.70	-39.96	50.15	10.00	27.11	
33.04-19.85											
	614	2.42	18.30	-49.64	-6.28	-25.05	-32.65	36.63	-55.42	-34.20	
15.41-38.77											
568 178	474	4.21	30.06	-69.75	-2.56	-37.13	-46.81	62.69	-148.99	-7.61	-
78.69-99.70											
	477	4.16	49.27	-52.01	-10.27	7.53	-49.85	119.29	-125.56	49.31	-
55.59-110.62											
	617	3.37	25.82	-53.89	-21.60	-6.47	-39.13	83.67	-133.17	35.04	-
84.53-90.44											
	614	3.19	17.60	-48.26	-6.84	-23.82	-31.82	81.34	-130.97	-14.39	-
35.24-105.64											
568 200	474	4.59	30.93	-69.50	-1.33	-37.24	-46.90	63.66	-206.02	-21.14	-
121.22-125.21											
	477	4.18	49.04	-51.29	-9.14	6.89	-49.52	84.45	-185.22	26.76	-
127.52-110.59											
	617	3.84	24.92	-54.43	-22.31	-7.19	-38.95	157.07	-130.82	62.16	-
35.91-135.34											
	614	3.64	16.89	-49.37	-7.88	-24.61	-32.06	140.14	-152.52	11.73	-
24.12-145.23											
569 15	475	7.31	71.67	-140.62	-15.24	-53.72	-104.38	-28.01	-270.99	-96.87	-
202.13109.50											
	478	7.47	97.87	-114.72	-22.96	6.10	-105.30	-23.25	-280.57	-68.34	-
235.4897.83											
	618	6.00	74.76	-113.62	-26.20	-12.66	-93.95	-9.73	-106.99	-45.79	-
70.9346.97											
	615	5.66	62.87	-107.69	-7.12	-37.70	-83.90	26.54	-103.46	-70.50	-
6.4256.56											
569 79	475	8.02	80.80	-159.27	-18.29	-60.18	-118.19	-59.31	-279.89	-124.23	-
214.97100.52											
	478	8.21	106.99	-132.51	-25.17	-0.36	-119.10	-24.93	-261.92	-87.56	-
199.29104.50											
	618	7.07	88.12	-127.39	-20.15	-19.12	-107.75	48.54	-96.29	-20.96	-
26.7972.35											
	615	6.63	76.91	-123.01	-1.94	-44.16	-97.71	48.38	-98.09	-53.38	
3.6667.45											
569 144	475	5.88	59.76	-116.60	-11.91	-44.93	-86.62	-44.13	-211.81	-88.45	-
167.5073.94											
	478	6.04	79.70	-96.12	-17.30	0.88	-87.44	-25.19	-206.22	-64.67	-
166.7374.76											
	618	5.08	64.53	-93.08	-14.96	-13.58	-78.80	20.76	-70.28	-18.77	-
30.7445.13											
	615	4.79	56.00	-90.19	-1.30	-32.88	-71.37	26.32	-69.98	-40.02	-
3.6544.58											
569 159	475	4.70	49.09	-91.32	-3.88	-38.35	-68.06	-26.05	-200.33	-56.22	-
170.1665.93											
	478	4.93	68.19	-71.30	-9.87	6.77	-69.25	-33.94	-238.06	-49.56	-
222.4454.26											
	618	3.57	49.53	-72.52	-15.22	-7.78	-60.91	-35.52	-78.52	-35.66	-
78.382.44											
	615	3.45	41.06	-70.66	-2.40	-27.20	-54.46	-16.54	-53.83	-42.34	-
28.0317.22											
569 164	475	4.00	44.74	-78.71	2.11	-36.08	-58.70	-24.98	-198.63	-42.22	-
181.3951.94											
	478	4.35	62.79	-58.36	-3.92	8.35	-60.26	-40.42	-260.87	-47.25	-
254.0338.20											
	618	3.37	43.43	-61.15	-11.45	-6.27	-52.23	-28.06	-104.53	-35.99	-
96.60-23.32											
	615	2.94	35.57	-61.44	-0.05	-25.82	-46.76	-32.60	-46.32	-33.24	-
45.69-2.88											
569 188	475	4.61	52.47	-91.52	0.65	-39.69	-69.11	-49.37	-204.38	-68.61	-
185.1451.11											
	478	4.87	70.76	-70.93	-4.90	4.74	-70.68	-52.69	-232.85	-66.76	-
218.7848.34											

	618	3.65	54.37	-70.95	-6.69	-9.89	-62.64	-24.41	-55.91	-24.60	-
55.722.44											
	615	3.58	46.97	-72.22	4.18	-29.44	-57.18	-18.53	-44.40	-28.44	-
34.5012.58											
569 220	475	4.09	44.76	-77.93	0.74	-33.92	-58.85	-21.56	-207.60	-42.82	-
186.3459.19											
	478	4.46	63.17	-57.65	-4.88	10.39	-59.93	-41.86	-272.06	-50.73	-
263.1944.30											
	618	3.37	43.26	-62.12	-14.09	-4.77	-52.49	-32.11	-103.13	-39.91	-
95.32-22.21											
	615	2.90	34.86	-62.68	-3.45	-24.37	-47.63	-32.21	-37.33	-32.23	-
37.310.29											
570 7	476	2.57	13.46	-59.98	2.55	-49.08	-26.12	2.51	-49.18	0.77	-
47.44-9.32											
	479	1.84	18.39	-35.88	-6.00	-11.49	-26.99	-51.25	-117.70	-51.28	-
117.671.49											
	619	1.43	0.67	-38.57	-14.07	-23.83	-19.01	53.19	-10.93	-2.83	
45.10-21.30											
	616	1.59	1.04	-43.47	-1.80	-40.64	-10.87	60.92	7.33	24.11	
44.14-24.86											
570 65	476	2.75	10.56	-75.86	-7.54	-57.76	-35.17	-8.85	-28.29	-16.35	-
20.799.46											
	479	2.29	18.28	-52.88	-14.79	-19.81	-35.49	-50.11	-101.13	-60.43	-
90.8120.50											
	619	2.05	5.51	-52.15	-14.35	-32.29	-27.40	66.67	-23.30	-22.91	
66.29-5.86											
	616	2.26	2.53	-55.81	-4.27	-49.01	-18.72	70.72	0.98	1.76	
69.94-7.34											
570 137	476	2.06	8.12	-56.92	-5.21	-43.59	-26.25	-8.22	-21.43	-11.29	-
18.365.58											
	479	1.70	13.92	-39.21	-10.88	-14.40	-26.50	-39.02	-78.08	-45.16	-
71.9414.23											
	619	1.50	3.66	-38.86	-11.20	-24.00	-20.28	49.31	-16.04	-15.51	
48.78-5.88											
	616	1.67	1.70	-41.66	-3.10	-36.86	-13.60	52.37	2.40	3.46	
51.32 -7.19											
570 163	476	1.97	8.37	-49.21	-1.92	-38.93	-22.05	-3.48	-30.39	-4.26	-
29.60-4.53											
	479	1.44	13.40	-31.24	-8.11	-9.74	-22.30	-37.32	-82.40	-37.90	-
81.815.10											
	619	1.16	0.84	-32.14	-11.97	-19.34	-16.07	42.48	-8.28	-4.04	
38.24-14.06											
	616	1.31	0.59	-34.89	-2.11	-32.19	-9.40	47.66	6.60	14.74	
39.51-16.38											
570 164	476	1.95	8.18	-47.73	-1.39	-38.16	-21.06	-1.94	-34.73	-2.88	-
33.79-5.47											
	479	1.40	12.99	-29.65	-7.68	-8.97	-21.31	-36.20	-85.85	-36.56	-
85.494.22											
	619	1.12	0.03	-30.80	-12.20	-18.57	-15.08	39.64	-6.98	-1.72	
34.39-14.75											
	616	1.24	0.33	-33.66	-1.90	-31.43	-8.41	45.56	6.70	17.11	
35.15-17.21											
570 178	476	2.46	13.37	-54.41	-0.43	-40.61	-27.29	25.15	-44.00	3.61	-
22.46-32.02											
	479	1.97	18.76	-36.56	-6.38	-11.42	-27.54	-23.69	-83.05	-30.57	-
76.17-19.01											
	619	1.72	7.40	-37.01	-8.59	-21.02	-21.32	71.59	-13.87	12.66	
45.07-39.54											
	616	1.67	6.34	-39.21	1.01	-33.87	-14.64	86.12	-5.83	32.03	
48.27-45.25											
570 205	476	2.17	9.94	-48.78	-0.66	-38.17	-22.59	25.49	-37.13	11.27	-
22.91-26.24											
	479	1.57	15.31	-30.31	-6.66	-8.34	-22.79	-27.36	-80.21	-28.56	-
79.01-7.87											
	619	1.37	3.38	-31.57	-10.15	-18.04	-17.02	120.54	19.00	26.35	
113.18-26.32											
	616	1.60	2.77	-34.45	-0.35	-31.33	-10.31	116.23	36.23	49.78	
102.69-30.00											
571 5	477	3.81	42.47	-64.66	-6.43	-15.75	-53.36	105.22	-55.32	-26.48	

76.38-61.64											
	480	6.29	117.28	-43.30	-11.33	85.31	-64.13	413.12	240.72	351.30	
302.53-82.68											
	620	2.54	19.08	-58.12	-50.77	11.73	-22.66	88.70	-32.46	67.83	-
11.59-45.75											
	617	3.48	44.44	-65.86	-24.17	2.75	-53.48	112.10	48.56	94.12	
66.55-28.62											
571 29	477	4.88	54.39	-64.21	0.10	-9.92	-59.09	446.97	150.26	157.55	
439.6745.94											
	480	8.63	125.95	-40.03	-2.68	88.60	-69.31	867.48	563.89	564.16	
867.21-9.00											
	620	4.41	27.97	-57.81	-46.53	16.69	-28.99	570.38	131.99	163.89	
538.48113.86											
	617	5.79	54.27	-67.08	-20.55	7.75	-59.00	490.76	63.51	147.44	
406.82169.75											
571 119	477	3.51	40.39	-49.45	-0.88	-8.19	-44.77	303.37	99.24	102.24	
300.3724.57											
	480	6.35	95.49	-31.23	-3.23	67.48	-52.58	608.59	409.09	410.08	
607.60-13.99											
	620	3.06	20.49	-44.46	-36.22	12.25	-21.62	377.36	96.11	115.69	
357.79 71.57											
	617	4.14	40.50	-51.37	-16.23	5.36	-44.65	331.94	53.05	107.38	
277.61110.46											
571 160	477	2.78	32.64	-49.96	-6.23	-11.09	-41.23	112.57	-5.61	3.56	
103.41-31.62											
	480	4.94	88.08	-33.93	-9.69	63.84	-48.68	342.19	239.95	284.54	
297.60-50.70											
	620	1.87	15.24	-44.61	-38.53	9.15	-18.09	74.68	51.05	61.28	
64.44-11.71											
	617	2.61	33.87	-50.20	-18.54	2.21	-40.74	95.36	74.04	75.70	
93.69 5.72											
571 164	477	2.88	30.98	-49.86	-7.07	-11.80	-40.35	75.76	-42.33	-20.96	
54.38-45.47											
	480	4.66	86.58	-34.27	-10.81	63.12	-47.80	300.15	175.59	254.79	
220.95-59.93											
	620	1.92	14.02	-44.54	-38.95	8.43	-17.21	62.95	-23.73	48.21	-
8.99-32.56											
	617	2.58	32.41	-49.89	-18.97	1.49	-39.86	80.74	35.37	68.15	
47.96-20.32											
571 171	477	2.79	35.90	-47.36	-2.56	-8.90	-41.51	222.72	78.77	79.17	
222.32-7.63											
	480	5.70	90.91	-30.30	-5.42	66.03	-48.96	485.83	354.59	370.34	
470.08-42.65											
	620	2.45	17.33	-44.96	-38.97	11.34	-18.37	229.06	91.32	93.93	
226.4418.80											
	617	3.23	35.34	-49.97	-19.03	4.39	-41.02	223.93	75.81	97.75	
201.9952.62											
571 198	477	3.38	30.41	-51.28	-6.09	-14.78	-40.61	250.10	-91.77	-91.72	
250.06 4.01											
	480	6.50	94.45	-35.92	-10.67	69.20	-51.52	667.36	515.67	516.83	
666.2013.25											
	620	2.40	13.87	-45.67	-40.70	8.89	-16.48	88.48	-9.01	71.83	
7.6336.69											
	617	3.73	34.81	-51.33	-19.31	2.80	-41.63	223.14	7.73	79.36	
151.51101.48											
572 15	478	6.43	72.17	-114.08	-20.76	-21.15	-93.12	24.33	-238.07	-4.11	-
209.6381.58											
	498	8.93	150.52	-90.61	-27.26	87.17	-106.13	-176.15	-435.05	-213.58	-
397.6291.05											
	621	4.52	50.03	-88.71	-49.22	10.54	-62.61	29.47	-53.56	5.58	-
29.6837.59											
	618	6.03	83.75	-105.70	-23.36	1.41	-93.91	-43.65	-139.69	-87.43	-
95.9147.83											
572 79	478	7.46	78.37	-133.78	-29.55	-25.86	-106.06	140.79	-180.86	108.29	-
148.3696.94											
	498	9.33	156.19	-109.80	-36.07	82.46	-119.06	-79.58	-352.94	-100.38	-
332.1472.48											
	621	4.90	60.61	-98.35	-43.56	5.82	-75.55	44.47	2.15	28.41	
18.2220.54											

	618	6.93	96.61	-117.57	-17.65	-3.30	-106.85	6.43	-124.22	-65.48	-
52.3165.00											
572 144	478	5.40	57.97	-96.78	-19.91	-18.90	-77.38	95.83	-150.04	75.72	-
129.9267.38											
	498	6.95	117.91	-78.39	-24.87	64.39	-87.41	-93.75	-296.49	-106.61	-
283.6349.42											
	621	3.49	43.65	-71.00	-32.74	5.40	-54.06	23.52	-1.44	14.17	
7.9112.08											
	618	4.98	71.11	-85.83	-13.07	-1.66	-78.26	-13.91	-92.52	-55.10	-
51.3239.26											
572 159	478	4.03	48.50	-70.42	-7.84	-14.07	-59.38	20.44	-208.51	13.63	-
201.6938.91											
	498	6.29	108.91	-52.38	-12.57	69.10	-69.54	-232.44	-404.36	-239.89	-
396.9235.00											
	621	2.53	31.09	-53.28	-32.14	9.95	-36.56	-15.75	-30.54	-18.42	-
27.885.69											
	618	3.65	56.45	-66.98	-13.30	2.77	-61.19	-77.73	-101.94	-77.80	-
101.86-1.36											
572 164	478	3.37	43.29	-57.31	-1.63	-12.39	-50.01	28.10	-234.26	26.47	-
232.6220.67											
	498	6.01	103.74	-39.23	-6.16	70.66	-60.29	-297.30	-466.95	-297.70	-
466.55 8.20											
	621	2.14	25.71	-42.11	-27.77	11.36	-27.70	-21.52	-46.00	-35.79	-
31.74-12.07											
	618	3.49	50.36	-56.02	-9.73	4.06	-52.74	-68.78	-140.43	-85.87	-
123.34-30.53											
572 169	478	3.35	38.34	-53.27	-3.83	-11.09	-45.66	-23.02	-287.95	-23.17	-
287.80 6.28											
	498	6.33	100.84	-36.41	-7.54	71.97	-55.94	-355.36	-564.77	-355.39	-
564.742.51											
	621	2.24	22.43	-43.14	-33.38	12.67	-23.34	-47.92	-141.16	-64.44	-
124.64-35.60											
	618	3.71	44.08	-55.11	-16.39	5.36	-48.39	-67.55	-211.69	-105.99	-
173.25-63.74											
572 206	478	3.49	39.86	-56.10	-3.06	-13.18	-47.71	37.79	-275.07	37.12	-
274.4114.37											
	498	6.29	102.26	-39.04	-7.82	71.04	-58.63	-348.55	-552.91	-348.66	-
552.81-4.61											
	621	2.21	22.92	-42.68	-30.86	11.10	-25.22	-16.95	-62.51	-43.65	-
35.82-22.44											
	618	3.61	46.93	-55.35	-12.42	3.99	-50.48	-62.75	-174.59	-92.52	-
144.82-49.43											
573 16	479	1.29	-7.78	-22.78	-21.95	-8.61	3.44	9.99	-125.93	-32.68	-
83.2663.08											
	499	1.64	14.25	-26.95	-21.06	8.36	14.43	5.53	-131.81	-21.99	-
104.2854.98											
	622	1.61	0.73	-33.18	-24.19	-8.26	14.97	60.14	-39.00	-3.90	
25.0447.41											
	619	1.31	-5.06	-28.89	-16.08	-17.87	11.88	63.82	-35.40	-7.57	
35.9944.57											
573 58	479	2.05	-3.97	-31.12	-25.04	-10.05	11.32	31.94	-166.29	-41.78	-
92.5795.81											
	499	2.43	18.53	-35.93	-24.32	6.92	22.30	23.07	-166.40	-29.61	-
113.7284.90											
	622	2.49	4.90	-45.48	-30.89	-9.69	22.85	81.13	-84.56	-19.38	
15.9480.94											
	619	2.22	-1.10	-40.76	-22.56	-19.30	19.76	85.25	-84.24	-24.63	
25.6380.93											
573 133	479	1.27	-9.19	-19.76	-19.29	-9.66	2.19	4.62	-135.68	-40.00	-
91.0565.34											
	499	1.59	11.38	-24.18	-19.18	6.38	12.36	-5.68	-148.65	-36.45	-
117.8958.75											
	622	1.66	-2.36	-33.95	-26.78	-9.52	13.23	57.49	-53.93	-17.30	
20.8652.34											
	619	1.33	-8.75	-29.13	-19.09	-18.79	10.19	60.04	-48.73	-17.19	
28.5149.35											
573 162	479	1.20	8.11	-26.28	-8.71	-9.46	-17.19	-37.02	-86.12	-37.80	-
85.346.14											
	499	1.14	8.75	-13.77	-9.74	4.72	-8.63	-50.56	-125.01	-51.43	-

124.148.00
622 0.82 -5.87 -22.78 -18.89 -9.76 -7.12 33.12 -15.59 -15.34
32.87-3.50
619 0.86 -4.99 -25.93 -12.56 -18.36 -10.06 40.33 -7.86 -4.54
37.00-12.22
573 164 479 1.17 7.76 -24.43 -7.79 -8.88 -16.09 -36.08 -88.38 -36.46 -
88.014.40
499 1.12 8.54 -12.16 -8.91 5.29 -7.53 -49.57 -126.77 -50.11 -
126.236.46
622 0.77 -6.25 -21.50 -18.56 -9.18 -6.01 31.23 -13.68 -13.15
30.70-4.85
619 0.80 -5.59 -24.36 -12.16 -17.78 -8.95 38.88 -6.95 -2.33
34.25-13.80
573 178 479 1.62 14.80 -29.45 -6.36 -8.29 -22.10 -24.93 -83.64 -29.68 -
78.89-16.01
499 1.15 14.35 -15.77 -7.30 5.88 -13.54 -42.41 -119.55 -44.38 -
117.58-12.17
622 1.11 0.85 -23.92 -14.48 -8.59 -12.03 51.30 -16.76 -4.60
39.14-26.07
619 1.31 2.90 -28.34 -8.25 -17.20 -14.97 66.73 -15.51 7.16
44.05-36.75
573 205 479 1.32 10.07 -25.13 -6.79 -8.27 -17.58 -27.28 -83.20 -28.60 -
81.88-8.51
499 1.14 10.57 -11.96 -7.61 6.22 -8.89 -46.21 -125.71 -46.23 -
125.69-0.97
622 1.02 -3.61 -20.90 -16.03 -8.48 -7.78 115.05 8.60 10.56
113.09-14.32
619 1.21 -2.22 -25.13 -10.09 -17.26 -10.88 119.14 18.87 25.36
112.65-24.67
574 16 480 3.09 40.61 -12.37 -12.12 40.36 3.63 199.05 -223.55 -71.47
46.97-202.83
500 6.13 54.27 -110.04 52.43 -108.21 17.27 125.59 -168.60 -103.61
60.61-122.05
623 4.23 12.25 -95.57 -15.58 -67.74 -47.19 147.23 -88.36 -21.06
79.93-106.42
620 3.54 3.91 -61.56 -42.26 -15.39 -29.85 153.62 -123.26 4.79
25.57-138.05
574 36 480 4.22 45.45 -10.57 -9.32 44.20 8.28 439.24 -4.35 46.34
388.55-141.13
500 7.14 58.25 -107.32 55.30 -104.37 21.91 348.80 -19.80 0.80
328.20-84.67
623 4.34 10.23 -88.31 -14.18 -63.90 -42.54 359.41 -1.96 21.59
335.87-89.19
620 3.67 2.97 -55.28 -40.76 -11.55 -25.20 386.23 31.72 62.14
355.82-99.28
574 122 480 3.94 50.44 -11.42 -11.00 50.02 5.07 374.63 19.69 71.67
322.65-125.50
500 4.74 34.61 -68.53 32.79 -66.71 13.58 257.05 -17.44 -2.81
242.43-61.65
623 2.66 -1.00 -57.35 -19.90 -38.45 -26.60 273.46 5.89 33.19
246.16-80.99
620 3.03 7.12 -51.41 -39.42 -4.86 -23.62 273.06 41.56 75.25
239.38-81.63
574 159 480 3.18 54.56 -13.62 -13.62 54.56 0.32 237.52 -36.89 57.74
142.89-130.43
500 1.99 9.68 -30.68 9.33 -30.34 3.70 87.70 -61.47 -41.23
67.46-51.08
623 1.74 -6.62 -33.75 -26.08 -14.28 -12.21 131.97 -30.26 30.57
71.14-78.53
620 2.42 11.63 -49.67 -38.59 0.55 -23.59 122.95 -40.85 69.24
12.85-76.90
574 164 480 3.38 61.69 -14.39 -14.37 61.66 -1.34 256.86 56.33 122.34
190.84-94.24
500 1.14 9.05 -12.66 -12.22 8.60 -3.08 73.78 -12.94 -10.04
70.88-15.60
623 1.75 13.07 -31.96 -31.34 12.44 5.27 126.36 -3.23 56.38
66.75-64.59
620 2.13 16.39 -44.63 -36.76 8.52 -20.45 120.32 -12.36 101.47
6.49-46.32

574	170	480	3.02	59.22	-15.22	-14.71	58.71	-6.13	140.64	-133.71	55.50	-
48.57	-126.93											
		500	1.19	8.58	-15.48	-12.55	5.64	-7.87	-41.26	-133.06	-65.77	-
108.55	-40.62											
		623	2.11	9.49	-31.42	-31.42	9.49	0.48	52.91	-139.13	22.31	-
108.53	-70.29											
		620	2.97	17.31	-48.72	-36.98	5.57	-25.24	67.35	-240.85	55.57	-
229.07	-59.09											
574	198	480	5.80	67.79	-13.93	-13.88	67.73	2.11	664.70	377.04	402.80	
638.93	-82.14											
		500	2.89	6.01	-11.83	-11.19	5.37	-3.33	321.43	-80.07	-79.98	
321.33	6.30											
		623	2.21	14.65	-32.77	-31.77	13.65	6.81	236.39	49.72	76.55	
209.55	-65.50											
		620	2.48	17.19	-46.89	-38.66	8.97	-21.43	118.22	22.83	118.20	
22.85	-1.34											
575	15	498	6.58	96.02	-46.19	-34.67	84.50	-38.80	-13.77	-380.35	-40.57	-
353.55	95.42											
		501	3.45	36.73	-56.95	-25.70	5.49	-44.17	36.04	-185.72	35.49	-
185.17	11.01											
		624	3.61	34.22	-54.18	-36.57	16.62	-35.30	35.80	-148.37	9.78	-
122.35	64.15											
		621	4.94	56.98	-90.96	-44.81	10.83	-68.54	7.90	-121.01	-64.69	-
48.41	63.94											
575	57	498	6.59	100.97	-48.54	-30.99	83.42	-48.12	97.05	-270.74	37.64	-
211.33	135.35											
		501	3.98	46.67	-63.29	-21.03	4.41	-53.49	112.59	-93.41	105.70	-
86.52	37.04											
		624	3.81	43.30	-56.18	-28.41	15.54	-44.62	85.41	-75.45	41.08	-
31.12	71.88											
		621	5.59	67.39	-95.42	-37.79	9.75	-77.86	134.16	-72.15	-24.68	
86.69	86.83											
575	133	498	4.94	76.03	-33.09	-21.90	64.84	-33.10	38.07	-239.73	-1.79	-
199.88	97.38											
		501	2.86	33.20	-43.87	-14.61	3.94	-37.41	80.42	-92.87	77.22	-
89.67	23.34											
		624	2.72	30.42	-39.18	-21.26	12.50	-30.43	53.29	-70.26	23.63	-
40.60	52.77											
		621	4.01	48.85	-69.45	-28.63	8.03	-56.24	84.33	-58.52	-26.30	
52.11	59.70											
575	159	498	4.88	70.79	-20.23	-16.82	67.38	-17.28	-112.66	-383.67	-127.76	-
368.57	62.16											
		501	2.30	21.26	-26.26	-11.10	6.10	-22.14	40.53	-197.71	40.51	-
197.69	-2.10											
		624	2.19	19.79	-27.19	-22.03	14.63	-14.68	1.27	-139.10	-12.68	-
125.15	42.00											
		621	2.90	36.08	-55.51	-29.56	10.13	-41.27	-20.63	-83.09	-63.43	-
40.29	29.01											
575	164	498	4.94	69.94	-10.03	-9.29	69.20	-7.68	-190.22	-453.83	-201.60	-
442.45	53.57											
		501	2.23	15.94	-12.88	-4.47	7.54	-13.10	50.97	-240.30	50.61	-
239.94	-10.18											
		624	1.90	16.82	-18.15	-17.37	16.05	-5.14	-18.02	-158.99	-28.13	-
148.88	36.39											
		621	2.23	30.34	-44.63	-25.80	11.50	-32.51	-37.55	-78.96	-73.88	-
42.62	13.58											
575	184	498	4.65	71.75	-7.84	-3.29	67.19	-18.49	-214.04	-409.66	-228.41	-
395.29	51.04											
		501	2.28	27.71	-20.24	1.93	5.53	-23.91	17.48	-233.11	17.37	-
233.00	5.23											
		624	2.03	21.37	-20.67	-13.33	14.04	-15.96	-3.13	-136.77	-15.40	-
124.50	38.59											
		621	2.86	39.79	-52.47	-22.18	9.49	-43.33	12.82	-54.85	-54.79	
12.76	-1.99											
575	206	498	5.38	69.90	-11.12	-10.82	69.60	-4.91	-246.78	-539.38	-256.69	-
529.47	52.92											
		501	2.57	12.88	-12.65	-6.13	6.36	-11.13	62.50	-291.95	61.97	-
291.42	-13.74											
		624	2.04	16.05	-20.59	-20.37	15.84	-2.79	-24.25	-183.18	-33.82	-

173.6137.81											
	621	2.26	27.50	-45.22	-28.96	11.24	-30.30	-44.92	-81.42	-79.90	-
46.457.31											
576 15	499	1.93	17.41	-32.21	-23.88	9.08	18.54	-15.40	-166.04	-38.63	-
142.8154.40											
	502	2.55	30.65	-42.11	-21.68	10.22	32.70	-19.27	-163.99	-34.96	-
148.3044.99											
	625	2.57	12.31	-53.29	-31.94	-9.04	30.73	69.46	-37.05	-2.01	
34.4150.04											
	622	2.02	3.66	-43.08	-29.27	-10.15	21.33	65.25	-37.53	-6.94	
34.6546.99											
576 57	499	2.63	20.74	-41.01	-28.01	7.74	25.18	-0.45	-196.51	-44.73	-
152.2481.97											
	502	3.23	34.53	-51.41	-25.76	8.88	39.33	-2.14	-171.46	-39.73	-
133.8670.37											
	625	3.37	15.03	-65.34	-39.94	-10.38	37.37	101.84	-66.35	-12.49	
47.9878.47											
	622	2.82	6.40	-55.19	-37.30	-11.49	27.96	84.09	-77.43	-18.89	
25.5477.64											
576 133	499	1.78	13.85	-27.86	-19.83	5.82	16.44	-8.50	-146.36	-36.46	-
118.4055.44											
	502	2.24	23.98	-35.79	-18.36	6.56	27.16	-10.43	-130.91	-33.44	-
107.8947.37											
	625	2.34	9.15	-46.61	-29.34	-8.11	25.78	70.81	-44.85	-10.13	
36.1053.01											
	622	1.91	2.74	-38.91	-27.33	-8.84	18.66	57.48	-50.77	-14.34	
21.06 51.15											
576 159	499	1.08	6.95	-14.02	-12.90	5.83	4.72	-35.60	-124.96	-41.09	-
119.4621.47											
	502	1.32	14.44	-20.60	-12.27	6.11	14.91	-38.06	-131.85	-41.22	-
128.6916.92											
	625	1.28	0.49	-30.78	-22.20	-8.08	13.95	37.39	-16.77	-8.35	
28.9619.63											
	622	0.90	-4.99	-23.63	-20.23	-8.39	7.19	32.70	-13.78	-9.76	
28.6913.06											
576 164	499	1.01	5.41	-9.18	-8.71	4.94	-2.58	-49.34	-127.26	-49.79	-
126.815.89											
	502	1.13	7.78	-11.91	-8.90	4.77	7.08	-52.05	-140.00	-52.18	-
139.873.39											
	625	0.85	-5.99	-23.36	-20.39	-8.95	6.54	31.47	-14.15	-13.55	
30.87 5.20											
	622	0.66	-8.83	-18.49	-18.49	-8.83	0.15	30.72	-13.62	-13.14	
30.24-4.60											
576 175	499	1.05	4.78	-11.22	-10.77	4.33	2.65	-48.54	-140.57	-54.46	-
134.6622.56											
	502	1.18	11.05	-17.86	-10.97	4.16	12.32	-50.15	-136.12	-54.46	-
131.8118.77											
	625	1.33	-3.25	-31.52	-25.21	-9.56	11.77	46.22	-26.81	-18.92	
38.3422.67											
	622	0.96	-7.60	-25.14	-23.29	-9.45	5.38	26.90	-23.72	-19.40	
22.58 14.15											
576 206	499	1.06	6.86	-8.19	-7.20	5.87	-3.72	-47.61	-132.41	-47.70	-
132.32-2.74											
	502	1.20	8.16	-9.66	-7.19	5.69	6.15	-52.29	-150.38	-52.30	-
150.37-1.28											
	625	0.96	-5.90	-20.05	-17.57	-8.37	5.37	113.54	7.62	7.66	
113.50 -1.95											
	622	0.89	-7.92	-16.28	-16.05	-8.15	-1.37	113.52	8.58	10.30	
111.80-13.34											
577 16	500	6.93	60.54	-114.95	45.12	-99.52	49.69	134.92	-196.26	-125.62	
64.27-135.66											
	503	20.19	266.17	-394.08	251.53	-379.45	-97.21	196.36	18.44	19.45	
195.35-13.33											
	626	11.55	122.58	-257.56	-26.13	-108.84	-185.51	123.55	39.94	106.05	
57.44-34.02											
	623	3.90	13.86	-96.28	-4.17	-78.25	-40.75	136.08	-65.91	-13.52	
83.70-88.53											
577 36	500	8.38	64.40	-118.76	46.25	-100.60	54.74	327.37	-196.87	-171.95	
302.45-111.56											

	503	21.68	265.77	-393.67	252.63	-380.53	-92.16	388.14	-36.26	-36.04	
387.92 9.58											
	626	11.31	118.22	-252.68	-24.53	-109.92	-180.47	250.06	40.59	42.16	
248.49-18.05											
	623	5.12	11.56	-93.35	-2.46	-79.33	-35.70	334.29	-82.18	-68.20	
320.32-75.00											
577 122	500	5.48	41.68	-73.13	26.45	-57.90	38.94	247.30	-122.83	-103.90	
228.37-81.54											
	503	14.28	171.77	-260.00	164.45	-252.68	-55.74	271.65	-19.45	-19.45	
271.65 0.32											
	626	7.21	67.62	-168.88	-26.53	-74.73	-115.77	180.65	32.63	36.03	
177.25-22.20											
	623	3.18	-2.96	-61.21	-12.79	-51.38	-21.82	246.26	-47.41	-31.35	
230.20-66.77											
577 159	500	2.27	19.64	-28.19	6.28	-14.84	21.46	103.51	-49.03	-20.41	
74.89-59.55											
	503	6.41	78.08	-126.65	75.91	-124.48	-21.00	94.68	12.16	15.64	
91.20-16.58											
	626	3.53	18.87	-87.11	-29.06	-39.18	-52.75	78.74	14.78	51.21	
42.32-31.67											
	623	1.40	-13.76	-33.00	-23.69	-23.06	-9.62	108.26	-23.31	23.73	
61.22-63.05											
577 164	500	1.58	28.79	-14.42	-13.14	27.50	7.34	88.42	23.97	32.19	
80.20-21.50											
	503	1.27	14.22	-23.11	-11.90	3.01	17.11	48.62	4.24	13.74	
39.12-18.20											
	626	1.54	1.46	-36.34	-30.52	-4.35	13.63	60.26	-1.72	23.78	
34.75-30.50											
	623	1.61	5.44	-34.36	-33.46	4.53	5.95	96.63	-4.29	42.36	
49.98-50.32											
577 165	500	2.13	28.95	-14.60	-13.97	28.31	5.22	75.02	-78.11	64.15	-
67.25-39.32											
	503	1.79	12.67	-21.60	-12.75	3.82	15.00	60.79	-90.26	51.86	-
81.34-35.61											
	626	2.11	0.54	-36.08	-32.00	-3.54	11.52	74.15	-97.40	61.65	-
84.90-44.58											
	623	2.42	5.70	-35.34	-34.98	5.34	3.83	100.65	-116.37	80.94	-
96.66-62.35											
577 200	500	2.70	29.13	-15.35	-13.93	27.71	7.82	45.54	-187.04	26.47	-
167.97-63.80											
	503	2.24	15.02	-24.02	-12.51	3.51	17.79	34.84	-192.55	30.79	-
188.50-30.09											
	626	2.35	1.80	-37.27	-31.27	-4.19	14.08	97.04	-103.04	74.24	-
80.25-63.57											
	623	2.28	5.81	-35.43	-34.47	4.85	6.21	106.12	-82.28	78.09	-
54.25-67.04											
578 15	501	3.75	45.47	-42.14	-28.78	32.11	-31.49	-10.41	-221.47	-15.84	-
216.0433.42											
	504	2.65	12.92	-34.53	-23.86	2.25	-19.81	-13.29	-246.83	-22.58	-
237.5445.64											
	627	2.30	8.91	-50.60	-33.79	-7.89	-26.79	8.96	-92.19	-3.18	-
80.0532.87											
	624	3.22	24.76	-57.79	-38.53	5.50	-34.91	35.12	-111.71	17.21	-
93.8048.05											
578 79	501	4.34	57.66	-53.50	-26.14	30.31	-47.88	-3.40	-213.77	-13.33	-
203.8444.63											
	504	3.26	27.54	-47.90	-20.80	0.44	-36.19	-7.71	-238.10	-19.53	-
226.2950.81											
	627	3.06	24.38	-64.40	-30.32	-9.70	-43.18	-5.90	-92.39	-26.41	-
71.8836.79											
	624	3.99	39.02	-70.80	-35.48	3.70	-51.30	26.52	-115.66	-6.89	-
82.2560.29											
578 144	501	3.15	41.51	-35.72	-18.29	24.07	-32.29	-6.90	-175.85	-11.95	-
170.8028.77											
	504	2.30	17.66	-31.16	-14.43	0.92	-23.17	-7.58	-192.04	-14.53	-
185.0935.13											
	627	2.06	14.94	-44.09	-22.20	-6.95	-28.52	-6.66	-72.70	-16.48	-
62.8823.50											
	624	2.80	26.49	-49.32	-26.24	3.41	-34.89	17.05	-91.58	-3.93	-

70.6142.88											
578 157	501	2.74	29.19	-6.65	-6.43	28.98	-2.77	-22.76	-262.04	-22.99	-
261.81-7.37											
	504	1.93	8.70	-8.21	-4.20	4.69	7.19	-10.98	-257.09	-11.34	-
256.739.42											
	627	1.04	-3.31	-15.24	-14.89	-3.66	2.03	8.92	-112.67	8.43	-
112.18-7.71											
	624	1.58	8.06	-20.39	-19.42	7.09	-5.17	8.19	-121.53	4.98	-
118.3220.15											
578 164	501	2.74	29.19	-6.65	-6.43	28.98	-2.77	-22.76	-262.04	-22.99	-
261.81-7.37											
	504	1.93	8.70	-8.21	-4.20	4.69	7.19	-10.98	-257.09	-11.34	-
256.739.42											
	627	1.04	-3.31	-15.24	-14.89	-3.66	2.03	8.92	-112.67	8.43	-
112.18-7.71											
	624	1.58	8.06	-20.39	-19.42	7.09	-5.17	8.19	-121.53	4.98	-
118.3220.15											
578 173	501	3.25	28.64	-10.64	-9.80	27.79	5.69	1.54	-316.27	-0.25	-
314.49-23.74											
	504	2.46	14.49	-18.79	-7.81	3.51	15.64	15.49	-289.60	15.25	-
289.36-8.59											
	627	1.69	0.40	-25.77	-20.51	-4.85	10.48	35.56	-147.33	33.92	-
145.69-17.26											
	624	2.05	6.25	-25.16	-24.81	5.90	3.29	27.68	-173.04	27.01	-
172.3611.63											
578 206	501	3.10	28.34	-8.17	-8.15	28.33	-0.68	-25.22	-316.23	-25.94	-
315.51-14.44											
	504	2.27	9.09	-11.39	-6.06	3.76	8.99	-9.63	-304.61	-9.78	-
304.46 6.51											
	627	1.31	-3.16	-18.95	-17.94	-4.17	3.85	17.77	-132.46	16.70	-
131.39-12.63											
	624	1.74	6.96	-22.77	-22.47	6.66	-2.97	11.28	-140.69	8.69	-
138.0919.69											
579 15	502	2.89	36.70	-48.50	-22.41	10.61	39.27	-20.67	-162.09	-35.00	-
147.7542.68											
	505	3.57	37.15	-66.43	-20.11	-9.17	51.50	-15.37	-138.57	-28.53	-
125.4138.05											
	628	3.27	20.20	-68.43	-27.12	-21.11	44.21	83.20	-31.53	7.91	
43.7554.50											
	625	3.03	20.24	-61.15	-31.71	-9.20	39.10	70.62	-38.41	-2.48	
34.6951.25											
579 57	502	3.48	39.25	-56.85	-27.19	9.59	44.39	-3.97	-167.24	-38.17	-
133.0466.44											
	505	4.09	39.67	-74.48	-24.62	-10.19	56.62	1.51	-139.75	-31.06	-
107.1859.50											
	628	3.90	20.60	-79.08	-36.36	-22.13	49.33	113.89	-52.80	0.22	
60.8677.63											
	625	3.73	21.14	-72.57	-41.22	-10.22	44.22	100.93	-63.62	-11.09	
48.4076.71											
579 133	502	2.44	27.77	-40.03	-19.34	7.07	31.22	-11.65	-128.15	-32.50	-
107.3044.66											
	505	2.92	27.89	-53.64	-17.57	-8.18	40.49	-6.50	-107.87	-26.31	-
88.0540.20											
	628	2.76	13.41	-57.25	-26.57	-17.26	35.02	80.91	-35.60	-0.17	
45.4753.60											
	625	2.62	14.00	-52.23	-30.21	-8.02	31.20	70.29	-43.06	-9.21	
36.4451.87											
579 159	502	1.50	19.06	-25.25	-12.62	6.43	20.00	-38.84	-131.10	-41.63	-
128.3115.80											
	505	2.05	18.57	-39.14	-11.62	-8.95	28.82	-30.60	-115.10	-33.33	-
112.3714.94											
	628	1.76	5.49	-42.15	-18.96	-17.70	23.81	49.46	-12.74	1.32	
35.4026.02											
	625	1.60	6.33	-36.70	-22.17	-8.20	20.35	38.05	-17.31	-8.56	
29.3120.19											
579 164	502	1.27	12.12	-16.10	-9.09	5.11	12.19	-52.79	-139.61	-52.88	-
139.522.78											
	505	1.60	11.05	-30.13	-8.67	-10.41	20.57	-41.85	-124.72	-42.04	-
124.523.99											

	628	1.21	-2.14	-34.19	-17.51	-18.82	16.02	41.15	-6.75	-2.33	
36.7313.86											
	625	1.09	-0.65	-28.88	-20.48	-9.05	12.91	31.97	-14.31	-13.65	
31.31 5.48											
579 179	502	1.37	14.46	-22.08	-11.96	4.34	16.35	-51.57	-135.73	-55.37	-
131.9417.47											
	505	1.90	13.45	-36.01	-11.37	-11.18	24.73	-40.06	-118.11	-44.03	-
114.1417.16											
	628	1.66	-1.18	-41.69	-23.27	-19.60	20.17	59.44	-19.71	-6.67	
46.3929.36											
	625	1.57	0.86	-37.09	-26.40	-9.83	17.07	45.31	-26.88	-19.80	
38.2321.47											
579 220	502	1.30	12.35	-16.98	-9.31	4.68	12.89	-54.30	-146.80	-54.54	-
146.564.75											
	505	1.67	11.26	-31.22	-9.07	-10.89	21.22	-42.89	-129.89	-43.22	-
129.555.39											
	628	1.32	-2.16	-35.79	-18.73	-19.23	16.81	20.99	-17.20	-7.85	
11.6416.42											
	625	1.16	-0.45	-30.55	-21.55	-9.44	13.78	8.40	-21.46	-19.16	
6.11 7.96											
580 16	503	42.30	501.86	-909.61	493.12	-900.87	110.76	196.37	45.35	47.22	
194.50-16.72											
	506	99.79	1980.18	-1435.19	383.55	161.44	-1704.07	458.48	272.91	398.17	
333.2286.91											
	629	35.28	343.93	-768.95	-767.23	342.21	43.69	306.54	-111.98	289.27	-
94.72-83.24											
	626	23.06	420.89	-370.35	37.01	13.53	-395.45	112.10	73.39	105.59	
79.90-14.48											
580 80	503	42.04	500.04	-908.41	492.24	-900.61	104.53	174.32	51.65	51.67	
174.30 1.58											
	506	100.34	1986.15	-1441.59	382.86	161.70	-1710.30	471.28	245.42	403.08	
313.62103.69											
	629	35.19	343.73	-766.84	-765.58	342.47	37.46	284.14	-127.17	273.65	-
116.68-64.84											
	626	23.26	428.01	-375.73	38.49	13.79	-401.68	91.09	56.72	90.28	
57.53 5.20											
580 144	503	28.00	330.62	-604.87	324.21	-598.46	77.18	129.86	39.09	39.35	
129.60-4.92											
	506	66.39	1310.27	-959.82	252.33	98.12	-1132.43	310.78	171.72	267.36	
215.1464.44											
	629	23.54	222.27	-519.40	-518.20	221.07	29.75	195.02	-78.48	185.80	-
69.26-49.36											
	626	15.19	272.39	-250.03	15.39	6.97	-261.18	70.24	47.30	67.59	
49.95-7.33											
580 159	503	14.09	162.34	-302.26	156.46	-296.39	51.90	95.99	21.19	25.55	
91.63-17.52											
	506	32.27	632.45	-475.97	122.03	34.46	-552.48	146.50	106.71	130.00	
123.2119.60											
	629	11.96	101.15	-272.93	-271.37	99.59	24.11	115.47	-26.83	103.15	-
14.51-40.02											
	626	7.16	114.60	-122.74	-8.20	0.06	-118.60	76.33	23.50	49.99	
49.84-26.42											
580 164	503	1.57	21.15	-27.16	-11.86	5.85	22.47	49.45	5.46	14.72	
40.19-17.93											
	506	1.80	6.55	-44.32	-8.73	-29.03	23.32	24.99	-10.87	-4.08	
18.20-14.05											
	629	1.36	-8.23	-36.94	-23.44	-21.72	14.33	37.82	-2.13	10.09	
25.59-18.41											
	626	1.83	4.47	-41.95	-30.81	-6.67	19.82	61.50	-4.49	22.20	
34.81-32.38											
580 171	503	2.23	25.56	-32.14	-10.67	4.09	27.89	175.25	-36.39	-29.98	
168.84-36.26											
	506	3.07	11.63	-50.26	-7.83	-30.79	28.74	209.59	-38.55	-36.65	
207.69-21.65											
	629	2.26	-3.41	-42.90	-22.83	-23.48	19.74	219.55	-0.42	-0.31	
219.44 4.94											
	626	2.09	8.24	-46.64	-29.96	-8.43	25.24	170.01	-2.57	-0.38	
167.82-19.29											
580 198	503	2.59	21.48	-27.41	-11.64	5.71	22.86	275.27	-3.60	-3.51	

275.18-5.06										
	506	3.43	6.98	-44.92	-8.59	-29.35	23.79	327.71	10.84	13.39
325.16-28.32										
	629	1.69	-8.30	-37.65	-24.08	-21.86	14.64	175.84	-10.55	-5.08
170.3731.46										
	626	2.06	4.52	-42.97	-31.54	-6.91	20.30	158.20	-25.41	-24.78
157.57-10.73										
581 7	504	2.67	21.01	-14.15	0.01	6.84	17.25	-13.32	-349.80	-13.57
349.559.20										
	507	4.10	13.42	-38.98	8.98	-34.54	14.59	-78.68	-437.44	-80.21
435.9123.39										
	630	1.89	-6.25	-27.69	-6.59	-27.34	2.71	-16.89	-175.11	-23.26
168.75-31.10										
	627	1.37	-0.58	-22.00	-16.44	-6.13	9.39	11.05	-152.84	11.01
152.80-2.49										
581 91	504	2.41	11.21	-5.85	-0.48	5.83	7.92	-20.11	-335.81	-20.19
335.735.01										
	507	3.88	9.34	-36.17	8.72	-35.55	5.27	-82.92	-419.02	-85.37
416.5628.62										
	630	1.92	-3.58	-30.12	-5.35	-28.36	-6.61	-12.22	-151.46	-16.48
147.20-23.98										
	627	1.13	-7.15	-15.46	-15.46	-7.15	0.06	16.47	-137.09	16.46
137.081.26										
581 108	504	2.05	15.97	-11.31	-0.57	5.23	13.32	-10.28	-267.78	-10.45
267.616.67										
	507	3.13	9.84	-30.10	6.35	-26.60	11.29	-60.90	-334.67	-62.05
333.5217.72										
	630	1.44	-5.08	-21.34	-5.37	-21.05	2.14	-13.02	-133.84	-17.90
128.97-23.78										
	627	1.06	-0.49	-17.19	-12.92	-4.76	7.29	8.31	-116.91	8.27
116.88-2.08										
581 158	504	2.04	15.38	-12.89	-2.47	4.95	13.64	-10.29	-259.75	-10.40
259.64 5.16										
	507	3.05	8.34	-30.67	4.51	-26.84	11.61	-61.50	-323.80	-62.53
322.7716.40										
	630	1.41	-5.86	-21.60	-6.26	-21.20	2.47	-13.14	-129.15	-17.84
124.44-22.87										
	627	1.06	-0.58	-18.19	-13.73	-5.04	7.66	7.40	-113.24	7.35
113.18-2.65										
581 164	504	2.07	14.79	-14.14	-4.34	4.99	13.69	-10.43	-259.40	-10.49
259.344.02										
	507	3.01	6.80	-30.89	2.74	-26.83	11.69	-63.32	-322.85	-64.30
321.8615.96										
	630	1.39	-6.83	-21.62	-7.28	-21.17	2.53	-13.24	-128.25	-17.98
123.51-22.86										
	627	1.08	-0.78	-18.96	-14.69	-5.05	7.70	7.05	-112.63	6.97
112.55-3.11										
581 165	504	2.46	18.82	-23.78	-7.11	2.16	20.79	23.69	-287.88	23.36
287.5610.03										
	507	3.67	8.80	-38.84	-0.38	-29.66	18.79	-37.93	-389.56	-38.40
389.0912.77										
	630	1.90	-7.64	-29.67	-13.31	-24.00	9.63	0.50	-202.76	-8.21
194.04-41.18										
	627	1.69	1.93	-30.21	-20.38	-7.89	14.80	25.81	-145.18	24.42
143.79-15.34										
581 206	504	2.43	15.27	-17.39	-6.18	4.06	15.51	-8.77	-306.92	-8.78
306.92 1.07										
	507	3.42	5.94	-33.02	0.87	-27.95	13.10	-67.21	-382.46	-68.17
381.5017.41										
	630	1.53	-9.08	-22.96	-10.24	-21.80	3.84	-7.14	-152.35	-14.40
145.08-31.65										
	627	1.36	-0.35	-22.97	-17.76	-5.56	9.52	15.54	-132.09	15.21
131.75-7.02										
582 15	505	3.92	44.19	-73.34	-20.01	-9.14	58.52	-16.55	-132.04	-28.46
120.1335.12										
	508	4.40	29.93	-92.85	-12.45	-50.47	58.37	13.04	-104.53	-9.28
82.2146.10										
	631	3.30	16.92	-74.26	-16.31	-41.02	43.88	96.06	-18.38	25.43
52.2555.63										

	628	3.78	28.07	-77.73	-27.19	-22.47	52.85	85.07	-34.37	7.83	
42.8757.10											
582 57	505	4.36	44.64	-81.19	-25.66	-10.90	62.48	2.71	-130.18	-26.04	-
101.4354.71											
	508	4.73	29.73	-99.64	-17.68	-52.23	62.33	33.13	-104.00	-7.02	-
63.8562.40											
	631	3.70	13.81	-83.23	-26.64	-42.78	47.85	119.66	-32.68	18.07	
68.9171.80											
	628	4.31	26.15	-88.30	-37.92	-24.23	56.81	112.31	-51.99	0.42	
59.8976.58											
582 133	505	3.14	31.96	-58.87	-18.25	-8.65	45.16	-5.42	-101.46	-22.94	-
83.9437.09											
	508	3.45	20.67	-73.43	-12.20	-40.56	44.86	19.17	-79.84	-5.78	-
54.8942.99											
	631	2.62	8.46	-60.74	-19.14	-33.14	33.89	86.11	-20.23	14.51	
51.3649.88											
	628	3.08	17.91	-64.31	-27.62	-18.78	40.87	80.02	-35.06	0.09	
44.8753.01											
582 159	505	2.33	24.18	-44.68	-11.54	-8.95	34.41	-30.60	-112.00	-33.22	-
109.3914.34											
	508	2.82	14.33	-61.42	-5.90	-41.19	33.52	-1.97	-85.58	-7.78	-
79.7721.25											
	631	1.81	3.26	-47.88	-11.30	-33.32	23.08	58.83	0.56	18.93	
40.4627.08											
	628	2.14	11.53	-49.20	-18.99	-18.68	30.37	50.59	-13.52	1.77	
35.3027.33											
582 164	505	1.87	16.80	-35.82	-8.60	-10.42	26.30	-41.60	-122.64	-41.87	-
122.374.65											
	508	2.51	8.79	-54.89	-3.09	-43.01	24.81	-7.01	-93.68	-8.27	-
92.4210.38											
	631	1.43	-3.26	-41.75	-10.34	-34.67	14.91	48.27	10.85	18.45	
40.6615.06											
	628	1.56	3.89	-41.17	-17.53	-19.75	22.50	42.00	-6.40	-1.47	
37.0814.64											
582 179	505	2.15	17.80	-41.58	-12.14	-11.65	29.69	-36.97	-115.37	-40.65	-
111.6916.58											
	508	2.66	8.67	-59.27	-6.37	-44.23	28.20	-1.93	-86.52	-7.05	-
81.4120.16											
	631	1.55	-5.76	-47.01	-16.87	-35.89	18.30	64.24	0.39	14.06	
50.5726.19											
	628	1.96	3.30	-48.60	-24.32	-20.97	25.89	58.58	-18.52	-6.62	
46.6827.85											
582 218	505	1.91	17.38	-35.65	-7.90	-10.37	26.49	-43.44	-134.23	-43.60	-
134.073.83											
	508	2.59	9.51	-55.08	-2.52	-43.05	25.15	-8.99	-104.56	-10.18	-
103.3810.59											
	631	1.58	-2.47	-42.01	-9.67	-34.80	15.27	70.44	19.43	24.64	
65.2415.44											
	628	1.55	4.43	-41.17	-16.89	-19.86	22.75	65.00	1.63	5.07	
61.5614.36											
583 16	506	161.80	2749.82	-2738.90	-1826.54	1837.45	-2043.36	984.49	413.59	882.69	
515.39218.53											
	509	165.24	2234.62	-3214.50	-1922.88	943.01	2317.30	462.94	-791.02	192.49	-
520.57-515.74											
	632	21.45	366.53	-284.31	91.90	-9.67	-321.43	229.65	-354.16	-218.73	
94.22-246.42											
	629	24.89	282.62	-475.71	-119.06	-74.03	378.49	305.53	-355.52	225.34	-
275.33-215.83											
583 36	506	161.13	2750.54	-2739.22	-1823.46	1834.78	-2046.63	1175.42	723.03	1055.96	
842.49199.43											
	509	164.91	2230.59	-3209.78	-1919.51	940.33	2314.03	764.00	-454.57	387.99	-
78.55-562.86											
	632	21.43	369.69	-288.32	93.71	-12.35	-324.71	591.28	-160.16	-91.85	
522.97-216.02											
	629	24.31	278.60	-472.96	-117.65	-76.71	375.22	414.22	-46.87	329.14	
38.21-178.86											
583 112	506	107.36	1820.65	-1822.83	-1220.69	1218.51	-1353.26	652.85	282.86	585.66	
350.05142.64											
	509	110.03	1472.78	-2152.93	-1281.05	600.90	1549.52	314.82	-526.55	132.27	-

344.00-346.80											
	632	14.46	239.08	-199.90	56.56	-17.38	-216.35	161.04	-237.26	-145.28	
69.05-167.86											
	629	17.14	187.41	-333.59	-87.31	-58.87	260.11	212.94	-233.37	154.75	-
175.18-150.28											
583 159	506	52.92	891.52	-906.79	-614.84	599.56	-663.17	321.25	152.09	288.62	
184.7166.74											
	509	54.85	711.30	-1091.72	-639.21	258.79	781.75	166.72	-262.09	72.04	-
167.42-177.86											
	632	7.49	111.73	-115.59	21.22	-25.08	-111.27	92.43	-120.36	-71.82	
43.88-89.29											
	629	9.40	92.22	-191.49	-55.55	-43.71	141.73	120.82	-111.69	84.16	-
75.03-84.73											
583 164	506	1.80	13.24	-41.61	-8.98	-19.38	26.93	22.12	-11.15	-8.41	
19.38 -9.15											
	509	2.98	4.84	-85.54	2.63	-83.33	13.97	19.50	1.47	11.82	
9.16-8.92											
	632	1.09	-12.25	-34.66	-14.12	-32.79	-6.20	23.88	-3.54	1.64	
18.71-10.73											
	629	1.87	-2.71	-49.65	-23.80	-28.55	23.35	39.38	-0.70	13.57	
25.11-19.19											
583 179	506	2.45	14.72	-41.03	-5.23	-21.08	26.73	232.17	104.72	105.07	
231.81 6.75											
	509	4.68	8.53	-87.05	6.50	-85.03	13.77	308.16	135.40	140.82	
302.75-30.10											
	632	2.89	-11.34	-36.26	-13.11	-34.49	-6.40	307.88	87.28	89.79	
305.3723.41											
	629	2.40	-3.21	-50.07	-23.02	-30.26	23.15	236.55	77.96	85.11	
229.4032.92											
583 199	506	2.83	13.00	-40.72	-9.58	-18.14	26.51	78.02	-264.66	77.55	-
264.20-12.62											
	509	5.90	5.20	-87.55	2.88	-85.22	14.50	-336.43	-586.43	-346.63	-
576.24-49.45											
	632	1.33	-11.04	-35.03	-13.27	-32.80	-6.96	-7.85	-76.50	-60.50	-
23.85-29.02											
	629	2.40	-2.49	-49.36	-23.05	-28.80	23.25	9.58	-200.95	-33.09	-
158.28-84.63											
584 5	507	5.21	18.99	-66.83	11.02	-58.86	24.91	5.07	-416.32	4.35	-
415.6017.43											
	527	5.46	29.26	-43.92	15.00	-29.67	-28.98	-373.84	-728.61	-374.37	-
728.08-13.71											
	633	1.51	-9.06	-35.14	-9.65	-34.55	-3.88	-73.31	-99.19	-92.41	-
80.09-11.38											
	630	1.87	-4.49	-21.43	-5.31	-20.61	3.63	-63.38	-224.00	-77.55	-
209.82-45.56											
584 73	507	4.73	-1.19	-59.15	-1.19	-59.15	0.45	145.13	-335.31	141.56	-
331.7441.23											
	527	6.06	40.38	-70.13	2.41	-32.16	-52.48	-220.70	-667.65	-224.53	-
663.82-41.21											
	633	2.66	10.66	-53.21	-6.84	-35.70	-28.49	-18.77	-127.58	-82.78	-
63.57-53.55											
	630	2.22	10.34	-34.78	-2.47	-21.97	-20.34	-53.36	-168.07	-62.94	-
158.49-31.74											
584 141	507	3.64	0.15	-45.57	-0.03	-45.39	2.89	96.46	-263.75	94.08	-
261.3729.17											
	527	4.56	29.21	-51.18	2.79	-24.76	-37.76	-182.64	-515.27	-185.11	-
512.80-28.55											
	633	1.89	5.68	-38.75	-5.66	-27.41	-19.37	-19.78	-94.80	-64.17	-
50.40-36.87											
	630	1.63	5.33	-24.55	-2.36	-16.86	-13.07	-41.72	-133.69	-49.42	-
125.99-25.47											
584 162	507	3.74	8.97	-49.62	4.12	-44.77	16.15	17.24	-293.14	16.43	-
292.3315.84											
	527	4.10	20.07	-37.87	7.20	-25.00	-24.08	-247.44	-522.68	-247.95	-
522.17-11.85											
	633	1.24	-6.12	-28.94	-7.92	-27.14	-6.16	-47.25	-77.37	-66.56	-
58.07-14.45											
	630	1.39	-4.99	-16.68	-5.00	-16.67	0.40	-45.08	-155.95	-54.39	-
146.64-30.74											

584	164	507	3.81	12.35	-51.31	5.72	-44.68	19.44	-1.68	-302.09	-2.21	-301.5612.57
		527	4.04	18.76	-34.81	8.86	-24.91	-20.79	-265.41	-527.17	-265.65	-526.93-8.05
		633	1.16	-7.81	-27.47	-8.23	-27.05	-2.87	-54.28	-73.26	-67.40	-60.14-8.77
		630	1.39	-4.27	-17.68	-5.37	-16.58	3.69	-46.12	-162.31	-55.93	-152.51-32.30
584	166	507	4.05	5.15	-50.46	1.45	-46.76	13.85	-43.36	-373.38	-44.29	-372.4517.50
		527	4.81	19.92	-41.82	5.10	-26.99	-26.37	-317.30	-647.24	-317.30	-647.231.07
		633	2.02	-9.70	-32.80	-13.38	-29.13	-8.45	-101.08	-185.48	-108.48	-178.08-23.88
		630	1.94	-10.69	-19.10	-11.14	-18.65	-1.89	-71.89	-236.78	-87.25	-221.42-47.92
584	210	507	4.22	10.93	-53.37	4.09	-46.53	19.83	9.99	-355.28	9.68	-354.9710.65
		527	4.62	17.98	-36.23	7.18	-25.43	-21.66	-324.51	-627.72	-325.24	-626.99-14.87
		633	1.23	-10.71	-28.21	-11.22	-27.69	-2.95	-56.65	-83.30	-75.48	-64.48-12.14
		630	1.56	-6.55	-18.54	-7.97	-17.13	3.87	-47.63	-193.22	-62.57	-178.28-44.18
585	7	508	3.78	22.09	-78.90	4.03	-60.84	38.70	3.26	-122.74	1.16	-120.6416.13
		528	4.04	11.76	-90.78	11.55	-90.56	4.69	33.92	-99.87	33.44	-99.398.02
		634	2.06	-4.92	-57.10	-4.97	-57.05	1.58	56.29	37.72	42.01	52.00 7.82
		631	2.18	3.88	-62.18	-10.90	-47.39	27.53	64.39	13.74	26.59	51.5422.04
585	57	508	4.90	36.92	-102.63	-14.16	-51.55	67.23	33.27	-89.91	0.70	-57.3454.32
		528	3.92	7.70	-93.73	-7.20	-78.83	35.91	62.29	-67.52	23.48	-28.7159.43
		634	2.69	-0.06	-68.71	-20.20	-48.57	31.26	114.41	-14.31	27.30	72.7960.21
		631	4.11	21.33	-89.66	-28.61	-39.72	55.22	118.43	-33.82	17.56	67.0471.99
585	108	508	2.89	16.51	-60.68	2.58	-46.74	29.69	2.11	-93.71	0.57	-92.1712.06
		528	3.08	8.47	-69.72	8.31	-69.56	3.55	25.64	-76.25	25.26	-75.886.19
		634	1.58	-4.03	-43.86	-4.06	-43.83	1.18	43.16	28.88	32.00	40.04 5.90
		631	1.67	2.76	-47.79	-8.63	-36.40	21.12	49.31	10.64	20.28	39.6716.73
585	158	508	2.81	14.90	-60.29	0.93	-46.31	29.25	1.34	-88.88	0.03	-87.5610.80
		528	2.99	6.65	-69.08	6.50	-68.94	3.27	24.58	-71.87	24.19	-71.496.11
		634	1.57	-4.72	-43.48	-4.75	-43.45	0.97	42.64	28.43	30.93	40.14 5.41
		631	1.65	2.01	-47.38	-9.31	-36.06	20.76	48.49	10.98	19.73	39.7415.87
585	164	508	2.77	13.40	-60.59	-0.85	-46.34	29.17	-0.42	-89.17	-1.52	-88.079.81
		528	2.95	4.75	-69.05	4.61	-68.91	3.19	22.67	-72.56	22.26	-72.156.27
		634	1.56	-5.59	-43.50	-5.62	-43.48	0.93	42.42	27.80	29.94	40.28 5.17
		631	1.65	1.27	-47.55	-10.20	-36.08	20.70	47.95	11.08	19.19	39.8315.27
585	169	508	3.01	18.35	-63.46	3.25	-48.36	31.74	-2.06	-99.64	-2.69	-99.017.83
		528	3.20	8.98	-71.34	8.57	-70.92	5.75	21.92	-87.13	20.73	-85.9411.33
		634	1.62	2.02	-45.75	1.76	-45.49	3.50	40.64	21.73	34.68	

27.69 8.79
631 1.87 8.85 -49.63 -2.69 -38.09 23.27 41.28 13.31 24.51
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585 206 508 2.83 14.82 -59.50 1.08 -45.76 28.85 -3.19 -103.89 -3.75 -
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634 2.08 -2.33 -43.24 -2.35 -43.23 0.84 123.04 49.34 49.65
122.73 4.78
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122.3313.54
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586 155 509 58.06 949.59 -948.22 282.67 -281.29 906.04 -297.20 -841.98 -643.67 -
495.51-262.12
529 20.13 253.00 -422.15 244.26 -413.40 -76.35 101.49 -6.68 80.42
14.39-42.84
635 11.20 137.16 -211.11 -0.05 -73.90 170.18 -54.81 -265.40 -217.44 -
102.77-88.32
632 19.07 168.80 -464.55 -462.83 167.07 32.99 199.58 71.89 117.39
154.08-61.15
586 159 509 29.37 455.43 -497.99 139.72 -182.28 448.70 -143.26 -457.65 -349.51 -
251.40-149.35
529 10.22 122.08 -223.28 115.02 -216.22 -48.85 23.71 -17.97 6.76 -
1.03-20.47
635 5.10 47.30 -109.99 -11.52 -51.18 76.10 -29.73 -127.52 -106.90 -
50.36-39.89
632 9.44 68.82 -239.61 -237.98 67.19 22.37 129.10 24.06 60.82
92.34-50.10
586 164 509 2.97 4.83 -85.96 2.26 -83.39 -15.06 18.71 -14.94 -2.16
5.93-16.33
529 1.75 14.18 -42.30 -8.97 -19.15 -27.77 17.86 -11.07 -9.13
15.91-7.24
635 1.71 -1.77 -50.77 -23.97 -28.56 -24.39 24.62 8.15 8.61
24.16-2.73
632 1.15 -12.53 -34.20 -13.93 -32.80 5.33 25.59 1.84 7.24
20.19-9.96
586 171 509 4.53 4.14 -86.39 2.74 -85.00 -11.15 284.14 90.73 90.98
283.89-6.92
529 2.13 10.02 -39.27 -8.48 -20.76 -23.87 205.36 63.56 66.24
202.68-19.28
635 2.17 -5.47 -47.16 -22.46 -30.17 -20.48 224.91 58.45 74.21
209.14-48.74
632 3.05 -8.97 -37.76 -12.33 -34.41 9.23 316.52 73.76 90.67
299.61-61.80
586 202 509 5.85 4.50 -83.92 2.08 -81.50 -14.43 601.69 345.82 357.21
590.31-52.77
529 3.25 14.39 -43.16 -8.34 -20.42 -28.13 298.91 -95.49 -95.33
298.75-8.04
635 2.29 -1.92 -50.89 -24.50 -28.31 -24.41 230.80 31.38 55.19
206.98-64.67
632 1.43 -13.48 -33.90 -14.59 -32.79 4.63 90.30 40.12 68.22
62.19-24.91
587 7 527 5.30 21.96 -36.30 16.30 -30.64 17.26 -349.37 -715.54 -352.68 -
712.2434.64

	530	5.38	27.90	-73.74	12.90	-58.75	-36.05	5.66	-408.22	5.54	-
408.10-6.94											
	636	1.86	4.69	-29.96	-4.19	-21.08	-15.12	-48.44	-229.76	-70.99	-
207.2159.84											
	633	1.49	-6.14	-36.53	-7.83	-34.85	-6.95	-64.15	-115.70	-97.83	-
82.0224.54											
587 73	527	5.14	27.59	-33.16	26.54	-32.11	-7.94	-467.11	-719.00	-467.18	-
718.943.97											
	530	5.94	54.94	-91.05	22.68	-58.78	-60.58	-131.37	-458.85	-132.36	-
457.8518.02											
	636	3.18	25.86	-55.36	-7.67	-21.83	-39.99	-51.98	-261.03	-76.38	-
236.6367.12											
	633	2.48	10.71	-56.84	-10.68	-35.46	-31.42	-55.25	-101.10	-90.59	-
65.76-19.28											
587 141	527	3.93	19.09	-25.04	18.80	-24.75	-3.60	-345.10	-549.29	-345.26	-
549.145.62											
	530	4.48	38.92	-68.19	15.86	-45.14	-44.02	-88.03	-345.70	-88.53	-
345.2011.29											
	636	2.28	17.44	-40.05	-5.84	-16.77	-28.22	-39.50	-196.45	-57.86	-
178.0950.44											
	633	1.75	5.89	-41.31	-8.17	-27.25	-21.59	-47.30	-74.78	-70.03	-
52.05-10.40											
587 162	527	3.91	12.31	-27.50	9.95	-25.13	9.41	-269.04	-528.32	-270.38	-
526.9818.58											
	530	4.01	21.35	-58.85	7.17	-44.66	-30.60	-20.04	-307.66	-20.06	-
307.65-2.08											
	636	1.46	4.74	-27.22	-5.75	-16.72	-15.01	-36.88	-173.16	-52.97	-
157.0643.99											
	633	1.18	-5.16	-30.14	-8.17	-27.13	-8.13	-51.58	-79.56	-71.59	-
59.5412.63											
587 164	527	3.95	12.58	-29.37	8.29	-25.07	12.72	-251.71	-525.66	-253.54	-
523.8322.33											
	530	3.93	17.54	-56.59	5.56	-44.61	-27.29	-2.07	-299.83	-2.17	-
299.73-5.41											
	636	1.40	1.93	-24.03	-5.44	-16.67	-11.70	-36.31	-168.21	-52.02	-
152.5042.73											
	633	1.14	-6.76	-28.22	-7.91	-27.07	-4.83	-47.75	-86.10	-72.27	-
61.5818.41											
587 166	527	4.61	8.12	-28.45	6.64	-26.97	7.20	-324.76	-649.35	-325.30	-
648.82 13.17											
	530	4.37	19.65	-62.78	3.37	-46.51	-32.81	-65.92	-382.07	-65.92	-
382.070.82											
	636	1.95	2.57	-32.60	-11.46	-18.57	-17.22	-59.34	-255.01	-85.30	-
229.0566.38											
	633	1.89	-8.15	-34.11	-13.30	-28.97	-10.35	-100.76	-192.44	-113.63	-
179.5731.84											
587 210	527	4.52	11.09	-30.18	6.52	-25.61	12.95	-309.66	-626.30	-312.27	-
623.6928.61											
	530	4.35	16.54	-59.08	3.83	-46.37	-28.28	9.86	-354.37	9.80	-
354.31-4.49											
	636	1.55	0.36	-25.81	-8.29	-17.16	-12.31	-38.14	-198.77	-58.11	-
178.8152.99											
	633	1.20	-9.39	-29.17	-10.85	-27.72	-5.16	-51.93	-94.76	-80.67	-
66.0120.12											
588 7	528	4.04	12.16	-90.86	11.85	-90.55	5.63	33.55	-99.56	33.33	-
99.345.41											
	531	3.35	15.07	-71.28	4.32	-60.53	-28.51	0.22	-121.12	0.17	-
121.08-2.23											
	637	1.95	-3.65	-54.29	-10.72	-47.22	-17.54	53.89	24.09	26.34	
51.64-7.88											
	634	2.10	-3.82	-58.36	-5.14	-57.04	8.37	55.05	38.96	41.99	
52.02 6.29											
588 95	528	3.92	10.10	-90.24	10.08	-90.22	-1.37	31.37	-92.17	31.31	-
92.12-2.60											
	531	3.57	18.55	-76.24	2.70	-60.40	-35.37	-0.90	-120.76	-1.52	-
120.14-8.61											
	637	2.11	1.27	-59.52	-11.10	-47.16	-24.47	55.34	20.39	26.83	
48.91-13.55											
	634	2.08	-5.40	-56.98	-5.43	-56.94	1.31	55.92	41.68	41.68	

55.92	-0.10										
588	152	528	3.01	7.37	-69.34	7.37	-69.33	-0.37	23.85	-71.04	23.83	-71.03	-1.30
		531	2.71	13.45	-58.15	1.72	-46.41	-26.51	-0.95	-92.25	-1.31	-91.89	-5.74
		637	1.60	0.27	-45.24	-8.74	-36.23	-18.13	42.27	16.08	20.42		
37.92	-9.74										
		634	1.60	-4.32	-43.83	-4.39	-43.76	1.69	42.68	31.75	31.78		
42.65	0.57										
588	163	528	2.95	5.02	-69.07	4.88	-68.93	3.19	22.18	-71.67	22.13	-71.62	2.21
		531	2.50	8.92	-55.66	-0.59	-46.14	-22.89	-2.32	-88.87	-2.33	-88.86	-0.98
		637	1.51	-3.49	-42.51	-10.01	-35.98	-14.56	41.23	17.45	19.16		
39.52	-6.14										
		634	1.58	-4.96	-44.20	-5.66	-43.50	5.18	42.06	28.79	30.05		
40.80	3.90										
588	164	528	2.96	5.05	-69.13	4.83	-68.90	4.10	22.29	-72.22	22.19	-72.11	3.20
		531	2.46	8.24	-55.00	-0.65	-46.11	-21.98	-2.23	-88.50	-2.23	-88.50	-0.02
		637	1.49	-4.21	-41.82	-10.08	-35.95	-13.65	41.18	17.72	19.01		
39.89	-5.34										
		634	1.59	-4.78	-44.43	-5.74	-43.47	6.10	42.13	28.09	29.93		
40.30	4.73										
588	178	528	3.17	8.90	-70.82	8.89	-70.81	0.83	20.87	-85.36	20.80	-85.28	-2.85
		531	2.76	13.85	-58.32	3.56	-48.03	-25.24	-3.07	-99.43	-3.26	-99.24	-4.24
		637	1.65	4.39	-44.64	-2.38	-37.87	-16.91	32.13	22.85	24.66		
30.32	-3.68										
		634	1.63	2.00	-45.56	1.83	-45.39	2.83	34.94	28.30	34.94		
28.31	0.13										
588	210	528	3.06	6.87	-68.55	6.69	-68.37	3.68	20.17	-86.61	20.13	-86.57	2.05
		531	2.54	10.10	-54.35	1.24	-45.49	-22.19	-4.23	-102.85	-4.26	-102.82	-1.62
		637	1.96	-1.33	-41.15	-6.85	-35.63	-13.76	122.61	38.61	38.84		
122.38	-4.35										
		634	2.10	-1.64	-43.96	-2.41	-43.18	5.67	123.01	49.31	49.58		
122.74	4.39										
589	16	529	18.05	217.65	-390.32	207.96	-380.64	76.13	22.57	-305.32	-126.11	-156.65	-163.23
		532	6.47	59.02	-104.84	40.14	-85.97	-52.31	138.67	-232.80	-38.30	-55.83	-185.52
		638	3.03	-20.19	-80.22	-22.06	-78.35	10.44	67.58	-223.70	-78.25	-77.88	-145.64
		635	9.91	66.61	-230.81	-50.13	-114.07	145.24	-7.42	-200.71	-117.47	-90.67	-95.71
589	36	529	19.95	217.53	-391.73	208.80	-383.00	72.39	208.93	-266.80	-169.10		
111.22	-192.18										
		532	6.20	62.04	-109.23	41.15	-88.33	-56.06	239.79	-226.79	-100.86		
113.86	-207.12										
		638	4.36	-19.25	-81.45	-19.98	-80.72	6.69	220.97	-239.63	-115.55		
96.89	-204.34										
		635	11.14	63.27	-227.84	-48.13	-116.44	141.49	251.47	-204.34	-135.13		
182.26	-163.58										
589	122	529	13.42	140.30	-268.93	136.31	-264.94	40.21	144.31	-179.82	-114.65		
79.14	-129.90										
		532	4.47	43.83	-77.03	23.63	-56.84	-45.09	170.99	-145.00	-62.39		
88.38	-138.85										
		638	2.62	-23.50	-56.17	-23.68	-55.98	-2.44	153.86	-148.46	-69.99		
75.39	-132.53										
		635	7.25	29.60	-154.40	-39.96	-84.85	89.22	175.53	-133.15	-87.34		
129.72	-109.74										
589	159	529	6.28	63.95	-146.50	63.54	-146.09	9.28	13.95	-102.06	-45.88	-42.23	-57.97
		532	2.77	26.82	-45.59	5.78	-24.55	-32.87	65.19	-61.91	-3.07		
6.34	-63.38										

	638	1.49	-18.88	-39.65	-28.07	-30.46	-10.31	33.16	-49.52	-11.99	-
4.37-41.16											
	635	2.96	-2.97	-81.95	-32.46	-52.47	38.20	11.00	-58.46	-33.67	-
13.79-33.28											
589	164	529	1.64	7.41	-44.91	-8.67	-28.82	-24.14	16.27	-7.06	-5.77
14.98-5.34											
	532	1.51	22.13	-27.38	-11.40	6.15	-23.15	37.65	14.32	14.55	
37.43-2.30											
	638	1.68	5.26	-42.86	-31.08	-6.51	-20.69	39.19	14.33	21.14	
32.39 11.08											
	635	1.22	-7.30	-37.99	-23.62	-21.67	-15.32	24.90	7.98	8.23	
24.65-2.06											
589	170	529	2.24	7.57	-44.00	-8.99	-27.43	-24.08	21.16	-152.38	20.44	-
151.6611.11											
	532	1.96	22.92	-27.12	-11.74	7.54	-23.09	55.04	-68.48	53.24	-
66.6814.80											
	638	2.40	5.92	-43.67	-32.63	-5.12	-20.63	68.34	-93.01	49.31	-
73.9752.05											
	635	1.77	-7.28	-38.18	-25.19	-20.28	-15.25	32.69	-153.02	23.89	-
144.2239.44											
589	202	529	3.33	7.80	-45.47	-8.51	-29.16	-24.56	321.73	11.30	11.76
321.27 11.99											
	532	2.69	22.41	-27.64	-11.20	5.96	-23.51	272.49	-4.14	-3.58	
271.94-12.38											
	638	2.20	5.31	-43.68	-31.59	-6.77	-21.12	154.86	-26.40	-26.09	
154.55 -7.51											
	635	1.83	-7.33	-38.52	-24.03	-21.81	-15.55	181.27	-19.86	-7.34	
168.75-48.58											
590	15	530	3.61	28.52	-78.87	-13.87	-36.48	-52.49	-75.03	-257.41	-89.16	-
243.2848.75											
	533	4.44	47.26	-64.75	-22.37	4.87	-54.32	8.39	-239.43	-14.17	-
216.8671.29											
	639	3.72	28.15	-70.90	-33.83	-8.92	-47.93	34.71	-114.91	-2.21	-
77.9964.51											
	636	3.15	14.19	-68.79	-25.35	-29.26	-41.44	24.73	-112.32	-8.35	-
79.2458.65											
590	79	530	4.70	45.68	-94.95	-13.32	-35.95	-69.40	-63.24	-278.19	-80.22	-
261.2157.98											
	533	5.30	64.49	-80.47	-21.37	5.40	-71.23	15.72	-239.96	-2.20	-
222.0465.27											
	639	4.71	44.50	-87.88	-34.99	-8.39	-64.84	26.05	-130.07	-16.89	-
87.1369.71											
	636	4.26	30.55	-86.17	-26.90	-28.73	-58.35	18.13	-146.31	-25.86	-
102.3372.79											
590	144	530	3.29	31.75	-67.83	-8.55	-27.53	-48.88	-53.21	-225.60	-61.95	-
216.8637.82											
	533	3.80	45.99	-56.49	-14.82	4.32	-50.33	7.50	-193.08	-2.86	-
182.7144.40											
	639	3.31	30.53	-62.06	-25.29	-6.24	-45.30	15.77	-99.16	-10.30	-
73.0948.14											
	636	2.97	19.89	-60.76	-18.90	-21.97	-40.30	10.00	-114.13	-19.47	-
84.6752.81											
590	159	530	2.86	15.76	-46.28	-3.23	-27.29	-28.60	-64.90	-263.45	-65.72	-
262.6412.70											
	533	2.71	28.48	-33.67	-9.90	4.71	-30.20	-7.12	-223.27	-10.67	-
219.7127.51											
	639	2.00	13.08	-38.43	-19.64	-5.70	-24.79	11.41	-97.82	3.33	-
89.7528.58											
	636	1.60	3.11	-37.42	-12.57	-21.74	-19.74	2.22	-110.80	-12.25	-
96.3337.77											
590	164	530	3.11	12.30	-36.54	2.46	-26.70	-19.59	-63.38	-320.52	-63.53	-
320.37-6.26											
	533	2.35	22.46	-21.33	-4.32	5.44	-21.34	-10.33	-260.34	-10.50	-
260.166.61											
	639	1.43	6.55	-26.12	-14.76	-4.82	-15.56	8.47	-113.79	7.18	-
112.5012.49											
	636	1.40	-1.66	-26.77	-7.27	-21.16	-10.46	-7.77	-132.32	-16.71	-
123.3832.15											
590	182	530	3.60	22.31	-47.53	1.91	-27.13	-31.76	-51.00	-350.49	-51.01	-
350.48 1.64											

	533	2.88	34.10	-33.60	-4.51	5.02	-33.51	6.00	-272.31	5.94	-
272.254.07											
	639	2.14	17.23	-39.45	-16.97	-5.24	-27.73	6.99	-130.91	3.80	-
127.7220.74											
	636	1.90	7.68	-39.08	-9.81	-21.58	-22.63	-8.83	-172.38	-23.84	-
157.3747.22											
590 210	530	3.50	11.29	-38.59	0.62	-27.91	-20.46	-67.13	-378.12	-67.36	-
377.90-8.32											
	533	2.67	22.39	-24.14	-6.15	4.41	-22.65	-8.69	-306.29	-8.95	-
306.03 8.82											
	639	1.66	6.38	-29.53	-17.75	-5.40	-16.86	16.85	-132.48	15.18	-
130.8115.70											
	636	1.53	-3.34	-28.66	-10.15	-21.85	-11.23	-1.98	-155.22	-13.19	-
144.0039.91											
591 5	531	3.02	7.68	-64.44	-0.35	-56.42	-22.68	-11.33	-131.13	-11.35	-
131.12-1.26											
	534	1.95	14.34	-35.60	-7.57	-13.70	-24.78	-58.70	-172.30	-58.97	-
172.035.53											
	640	1.49	-3.80	-43.67	-21.64	-25.83	-19.83	49.18	-3.82	-3.01	
48.37 -6.51											
	637	1.73	-9.60	-48.39	-12.41	-45.58	-10.05	54.38	22.67	24.49	
52.57-7.37											
591 29	531	3.06	3.41	-70.74	-8.55	-58.78	-27.27	0.71	-99.48	-6.03	-
92.74-25.11											
	534	2.34	12.94	-45.75	-16.44	-16.37	-29.34	-46.67	-140.00	-53.19	-
133.48-23.79											
	640	2.20	-8.75	-58.68	-38.95	-28.49	-24.41	88.51	-27.37	-14.97	
76.11-35.81											
	637	1.91	-21.05	-56.09	-29.06	-48.08	-14.72	92.20	0.31	12.47	
80.04-31.14											
591 119	531	2.33	2.77	-53.71	-6.06	-44.88	-20.51	-1.34	-78.08	-5.22	-
74.21-16.81											
	534	1.75	9.95	-34.25	-12.02	-12.27	-22.10	-37.67	-108.82	-41.05	-
105.44-15.14											
	640	1.61	-6.32	-43.57	-28.29	-21.59	-18.32	63.79	-18.31	-10.20	
55.67-24.50											
	637	1.45	-15.24	-42.17	-20.75	-36.66	-10.86	66.96	2.57	10.75	
58.79-21.44											
591 160	531	2.23	3.26	-50.19	-3.79	-43.14	-18.09	-8.32	-89.00	-8.48	-
88.84-3.64											
	534	1.50	9.77	-29.54	-9.17	-10.60	-19.64	-41.42	-119.39	-41.45	-
119.361.53											
	640	1.18	-3.87	-35.82	-19.79	-19.90	-15.97	42.26	-4.85	-3.25	
40.67-8.52											
	637	1.34	-9.75	-37.82	-12.61	-34.95	-8.49	46.61	14.39	16.64	
44.36-8.22											
591 164	531	2.22	3.88	-49.30	-2.67	-42.74	-17.48	-8.96	-92.86	-8.96	-
92.86-0.51											
	534	1.45	9.99	-28.14	-7.95	-10.21	-19.03	-41.61	-123.76	-41.96	-
123.415.39											
	640	1.15	-3.07	-33.86	-17.43	-19.50	-15.36	37.55	-2.18	-1.62	
36.99-4.68											
	637	1.32	-8.01	-36.90	-10.35	-34.56	-7.88	41.82	17.14	18.25	
40.72 -5.10											
591 168	531	2.28	2.92	-52.59	-5.76	-43.92	-20.15	-6.69	-82.46	-7.70	-
81.46-8.68											
	534	1.64	10.37	-33.05	-11.31	-11.38	-21.71	-40.35	-112.55	-40.68	-
112.22-4.87											
	640	1.42	-4.24	-40.47	-24.04	-20.67	-18.03	51.07	-9.87	-5.88	
47.08-15.07											
	637	1.41	-11.99	-40.42	-16.69	-35.73	-10.56	55.31	9.70	14.04	
50.97-13.38											
591 205	531	2.29	5.73	-48.62	-0.83	-42.05	-17.71	-10.63	-105.02	-10.63	-
105.020.05											
	534	1.44	11.28	-26.76	-6.16	-9.32	-18.95	-41.93	-134.80	-42.77	-
133.978.75											
	640	1.51	-1.26	-31.90	-14.18	-18.98	-15.13	119.62	18.53	18.55	
119.60 -1.48											
	637	1.82	-4.72	-36.32	-6.89	-34.15	-7.99	123.43	37.91	38.03	

123.31-3.23											
592 16	532	5.58	51.77	-103.31	46.01	-97.55	-29.33	106.31	-239.23	-79.79	-
53.13-172.26											
	535	2.54	27.55	-1.77	4.32	21.46	-11.89	100.04	-210.63	-61.24	-
49.35-155.22											
	641	2.75	-8.66	-47.57	-47.30	-8.94	-3.28	108.66	-219.15	-66.26	-
44.24-163.54											
	638	3.38	-21.22	-77.86	-32.28	-66.81	22.45	76.79	-217.98	-73.47	-
67.72-147.36											
592 43	532	3.95	27.40	-37.76	-12.82	2.46	-31.67	380.78	-81.58	-77.09	
376.28-45.36											
	535	5.17	40.88	-20.34	-13.90	34.45	-18.78	510.72	-39.72	-36.39	
507.39-42.70											
	641	4.38	10.16	-46.70	-40.93	4.39	-17.17	466.84	-37.29	-37.07	
466.6210.63											
	638	3.88	8.98	-53.47	-37.20	-7.29	-27.41	369.69	-77.96	-77.30	
369.03-17.17											
592 126	532	2.77	20.26	-28.25	-10.07	2.08	-23.48	258.74	-52.66	-49.64	
255.73-30.51											
	535	3.66	31.07	-15.29	-10.91	26.69	-13.56	350.58	-22.13	-19.97	
348.42-28.28											
	641	3.07	7.44	-35.66	-31.79	3.56	-12.33	317.65	-19.55	-19.21	
317.30 10.81											
	638	2.73	6.21	-40.53	-28.90	-5.42	-20.21	250.73	-48.85	-48.51	
250.38-10.22											
592 161	532	1.47	16.15	-24.25	-11.17	3.06	-18.91	81.10	-0.15	0.58	
80.37-7.69											
	535	2.02	29.61	-13.95	-12.01	27.67	-8.99	130.85	21.55	21.74	
130.66-4.56											
	641	1.52	6.07	-34.90	-33.37	4.54	-7.75	108.37	21.62	29.19	
100.8024.49											
	638	1.45	2.89	-37.75	-30.41	-4.44	-15.63	76.65	8.05	8.47	
76.23 5.34											
592 164	532	1.19	15.17	-23.30	-11.44	3.31	-17.76	36.70	12.97	13.14	
36.53-1.99											
	535	1.61	29.39	-13.76	-12.28	27.91	-7.84	76.27	32.13	32.17	
76.22 1.37											
	641	1.51	5.89	-34.87	-33.77	4.79	-6.61	72.02	15.94	41.29	
46.6727.91											
	638	1.41	2.17	-37.15	-30.79	-4.20	-14.49	38.20	17.21	22.71	
32.70 9.23											
592 180	532	2.18	20.19	-28.59	-11.19	2.78	-23.37	170.52	-23.10	-21.81	
169.23-15.80											
	535	2.90	31.55	-16.09	-11.93	27.39	-13.45	243.56	2.23	3.44	
242.35-17.03											
	641	2.36	7.89	-36.87	-33.24	4.26	-12.21	212.36	1.42	2.63	
211.1415.96											
	638	2.15	6.28	-41.41	-30.41	-4.72	-20.09	163.78	-22.71	-22.69	
163.77 1.69											
592 202	532	2.43	15.23	-23.58	-11.25	2.89	-18.07	273.07	-2.97	-2.63	
272.73-9.66											
	535	3.38	29.59	-13.53	-11.88	27.95	-8.25	344.91	36.93	41.16	
340.68-35.83											
	641	2.00	5.84	-35.48	-34.20	4.56	-7.15	164.00	7.33	10.47	
160.8621.97											
	638	2.10	2.31	-37.91	-31.28	-4.31	-14.92	155.89	-26.30	-24.81	
154.40-16.41											
593 15	533	3.83	38.87	-56.02	-21.50	4.34	-45.65	2.35	-231.01	-11.71	-
216.9455.55											
	536	3.89	50.15	-37.53	-22.88	35.50	-32.72	15.41	-208.83	-3.85	-
189.5762.82											
	642	3.17	23.06	-54.59	-39.17	7.64	-30.97	47.65	-112.42	25.04	-
89.8155.75											
	639	3.41	21.97	-63.55	-34.41	-7.17	-40.54	42.51	-118.50	2.37	-
78.3769.65											
593 81	533	4.76	58.11	-70.40	-20.02	7.72	-62.74	-13.67	-283.07	-20.43	-
276.3142.15											
	536	4.96	67.15	-49.18	-21.16	39.12	-49.75	-4.61	-280.84	-21.18	-
264.2865.58											

	642	4.07	39.84	-67.23	-38.37	10.97	-47.51	71.51	-114.78	57.41	-
100.6849.27											
	639	4.37	40.34	-77.78	-33.83	-3.61	-57.09	63.17	-132.26	44.06	-
113.1658.04											
593 145	533	3.41	40.87	-48.94	-13.90	5.83	-43.80	-11.21	-222.40	-15.06	-
218.5628.24											
	536	3.61	48.14	-33.04	-14.92	30.02	-33.80	-6.91	-221.95	-17.27	-
211.5946.05											
	642	2.83	26.91	-46.77	-28.17	8.32	-32.00	46.48	-90.59	38.89	-
83.0031.34											
	639	3.06	27.14	-54.54	-24.54	-2.86	-39.37	43.12	-103.01	30.54	-
90.4340.98											
593 162	533	2.24	19.50	-18.90	-4.83	5.43	-18.50	-11.80	-259.27	-11.81	-
259.252.16											
	536	2.90	31.71	-8.53	-6.68	29.86	-8.44	-22.87	-268.84	-24.50	-
267.2119.93											
	642	1.57	9.16	-21.39	-20.10	7.87	-6.15	10.52	-117.63	9.96	-
117.08-8.41											
	639	1.48	5.55	-24.29	-15.66	-3.08	-13.53	16.36	-116.03	13.82	-
113.5018.14											
593 164	533	2.11	15.99	-15.06	-4.17	5.10	-14.81	-10.77	-257.63	-10.77	-
257.631.05											
	536	2.82	30.15	-6.73	-6.11	29.53	-4.75	-22.37	-266.80	-23.62	-
265.5517.42											
	642	1.51	7.77	-19.69	-19.47	7.55	-2.46	5.66	-120.12	4.63	-
119.10-11.30											
	639	1.29	2.24	-20.58	-14.93	-3.41	-9.85	11.13	-114.86	8.74	-
112.4817.16											
593 166	533	2.71	21.40	-25.28	-7.74	3.87	-22.60	15.94	-290.02	14.94	-
289.0117.47											
	536	3.40	32.09	-13.23	-9.45	28.30	-12.54	1.70	-319.57	-1.62	-
316.2532.46											
	642	2.10	9.39	-27.85	-24.77	6.31	-10.25	26.81	-168.18	26.74	-
168.11-3.74											
	639	1.99	6.78	-31.89	-20.47	-4.64	-17.64	37.75	-148.23	34.18	-
144.6625.54											
593 210	533	2.43	15.90	-17.87	-6.03	4.06	-16.11	-9.37	-303.66	-9.40	-
303.633.22											
	536	3.18	29.83	-8.93	-7.85	28.76	-6.37	-24.51	-318.91	-26.44	-
316.9923.72											
	642	1.71	7.61	-23.02	-22.44	7.03	-4.18	9.27	-138.79	8.41	-
137.93-11.24											
	639	1.54	2.20	-24.09	-17.90	-3.99	-11.16	19.80	-133.80	16.77	-
130.7821.35											
594 16	534	1.77	11.57	-24.06	-7.46	-5.03	17.77	33.95	-95.19	-3.20	-
58.0458.46											
	537	2.09	28.39	-25.53	-7.23	10.09	25.53	35.26	-88.72	6.17	-
59.6352.54											
	643	2.13	14.32	-37.85	-19.47	-4.06	24.92	76.56	-29.95	16.74	
29.8852.85											
	640	1.86	5.55	-36.32	-17.03	-13.75	20.87	80.35	-27.61	15.85	
36.8952.95											
594 57	534	1.72	4.23	-28.80	-15.09	-9.49	16.28	9.90	-111.27	-19.24	-
82.1351.78											
	537	2.10	26.95	-31.94	-15.29	10.30	26.52	4.68	-112.86	-14.36	-
93.8243.31											
	643	2.31	7.06	-51.71	-36.56	-8.09	25.70	69.65	-23.19	0.17	
46.2940.29											
	640	1.92	-5.25	-48.37	-32.87	-20.74	20.69	81.54	-17.55	4.05	
59.9440.91											
594 133	534	1.13	-0.16	-18.65	-11.12	-7.68	9.08	-0.79	-89.14	-18.43	-
71.5035.32											
	537	1.39	17.60	-21.31	-11.29	7.58	17.02	-4.95	-92.96	-16.55	-
81.3729.77											
	643	1.56	2.51	-36.16	-27.10	-6.56	16.38	49.65	-16.33	-1.70	
35.0127.41											
	640	1.25	-7.06	-33.49	-24.24	-16.31	12.61	57.77	-10.55	2.38	
44.8526.76											
594 162	534	1.27	5.41	-23.30	-7.60	-10.29	-14.29	-40.91	-126.92	-41.51	-

126.337.14
537 1.17 7.61 -10.19 -7.85 5.27 -6.02 -51.06 -143.07 -51.74 -
142.397.88
643 0.78 -5.72 -23.17 -20.04 -8.85 -6.70 30.47 -13.19 -12.58
29.86 5.15
640 0.93 -7.95 -27.84 -17.05 -18.73 -9.91 36.06 -1.74 -1.51
35.83-2.92
594 164 534 1.23 4.23 -22.38 -7.98 -10.17 -13.26 -41.60 -126.01 -42.03 -
125.586.01
537 1.15 7.02 -9.88 -8.25 5.39 -4.98 -51.82 -141.67 -52.33 -
141.166.74
643 0.78 -6.44 -22.73 -20.44 -8.73 -5.66 31.51 -13.94 -13.56
31.13 4.16
640 0.89 -9.13 -26.91 -17.43 -18.61 -8.87 37.00 -2.81 -2.43
36.62-3.89
594 174 534 1.32 9.16 -22.80 -4.26 -9.38 -15.77 -37.79 -136.52 -39.37 -
134.9412.40
537 1.26 10.09 -8.19 -4.29 6.18 -7.49 -46.49 -149.59 -48.70 -
147.3714.94
643 0.76 -1.91 -19.02 -12.99 -7.94 -8.17 31.01 -10.02 -4.59
25.5813.90
640 0.98 -2.02 -26.03 -10.23 -17.82 -11.39 28.86 4.89 5.55
28.20 3.92
594 210 534 1.26 5.47 -21.04 -6.24 -9.33 -13.17 -42.53 -139.10 -43.24 -
138.398.24
537 1.22 7.80 -8.06 -6.61 6.35 -4.57 -50.90 -152.11 -52.30 -
150.7011.85
643 0.98 -5.96 -19.76 -17.60 -8.13 -5.02 114.53 6.72 7.60
113.65 9.69
640 1.32 -7.41 -25.06 -14.33 -18.14 -8.62 119.21 17.79 17.79
119.21 0.24
595 5 535 1.30 11.92 -12.41 -11.93 11.44 3.38 92.51 -9.12 -9.05
92.44-2.65
538 4.30 84.47 -14.46 -14.46 84.47 0.47 306.79 113.79 173.90
246.6889.38
644 2.93 22.64 -58.97 -48.63 12.29 27.15 135.53 -1.86 127.28
6.3832.63
641 2.19 18.56 -41.73 -40.60 17.43 -8.18 138.01 27.45 79.76
85.7055.20
595 51 535 4.02 18.72 -7.52 -6.65 17.85 -4.71 560.46 159.63 172.01
548.08-69.35
538 7.64 89.29 -9.64 -9.10 88.75 -7.27 827.02 373.15 374.17
826.00-21.48
644 4.47 23.27 -50.13 -45.09 18.23 18.56 576.90 221.51 225.64
572.77-38.12
641 4.42 27.16 -41.34 -37.41 23.23 -15.93 522.93 152.62 153.84
521.7121.23
595 130 535 2.79 13.50 -6.34 -5.94 13.10 -2.79 382.39 105.39 113.44
374.34-46.53
538 5.49 67.79 -8.12 -7.82 67.49 -4.72 574.91 266.10 266.19
574.81-5.49
644 3.10 17.65 -39.34 -35.03 13.34 15.07 384.63 160.51 162.73
382.41-22.17
641 3.10 19.84 -31.82 -29.16 17.19 -11.41 357.73 108.61 110.15
356.1919.54
595 161 535 1.33 9.95 -10.77 -10.66 9.84 1.54 129.44 13.84 14.91
128.37-11.07
538 3.62 63.28 -12.50 -12.50 63.28 -0.14 280.35 131.78 152.84
259.3051.82
644 2.06 16.61 -43.80 -36.94 9.75 19.17 112.75 73.01 105.84
79.9215.06
641 1.64 14.66 -32.38 -31.31 13.59 -7.01 139.47 49.07 67.10
121.4536.12
595 164 535 1.05 9.31 -11.65 -11.33 8.99 2.60 67.24 -9.30 -9.24
67.18 -2.21
538 3.21 62.44 -13.18 -13.16 62.43 0.92 225.13 81.54 125.60
181.0766.22
644 2.19 16.51 -44.89 -37.28 8.90 20.23 98.51 -2.00 92.25
4.2624.28

	641	1.65	13.52	-32.42	-31.64	12.74	-5.95	100.43	19.37	56.90	
62.8940.42											
595 180	535	2.14	12.12	-11.17	-10.94	11.89	-2.30	254.82	44.49	48.56	
250.75-28.98											
	538	4.64	65.54	-12.94	-12.74	65.34	-3.98	429.50	190.67	194.70	
425.4730.75											
	644	2.40	16.23	-41.32	-36.90	11.80	15.33	245.21	138.51	139.23	
244.49 8.74											
	641	2.39	18.03	-33.73	-31.35	15.65	-10.85	248.57	85.00	91.79	
241.7832.62											
595 202	535	2.85	6.18	-10.86	-10.37	5.69	2.85	318.24	-80.76	-79.55	
317.03-21.98											
	538	5.71	68.37	-12.85	-12.77	68.29	-2.53	642.86	390.76	404.61	
629.0157.44											
	644	2.56	17.23	-46.91	-38.95	9.27	21.14	113.37	17.17	109.89	
20.66-17.99											
	641	2.16	15.06	-33.04	-31.85	13.87	-7.46	219.29	62.55	76.30	
205.5444.34											
596 5	536	2.90	14.00	-5.58	-1.98	10.40	7.58	71.91	-337.49	70.57	-
336.1523.42											
	556	6.65	95.30	-8.32	-8.32	95.29	-0.87	-295.22	-631.16	-304.28	-
622.10-54.41											
	645	2.66	34.14	-50.60	-33.39	16.92	34.10	-54.50	-97.13	-96.44	-
55.19-5.38											
	642	2.37	23.32	-21.44	-21.15	23.03	-3.60	-37.18	-213.58	-45.66	-
205.10-37.74											
596 73	536	3.96	21.92	-22.45	-14.87	14.35	-16.70	187.92	-303.18	182.23	-
297.4952.57											
	556	7.25	101.73	-25.63	-20.69	96.80	-24.59	-177.72	-651.70	-189.23	-
640.19-72.97											
	645	2.06	21.70	-38.87	-37.41	20.24	9.28	-69.08	-168.63	-118.89	-
118.82-49.77											
	642	2.85	37.99	-37.77	-25.93	26.15	-27.51	-53.46	-218.19	-58.91	-
212.74-29.47											
596 141	536	2.89	14.88	-14.71	-10.46	10.63	-10.38	132.27	-234.62	128.42	-
230.7737.41											
	556	5.47	76.83	-17.90	-14.97	73.90	-16.40	-146.26	-495.47	-154.78	-
486.95-53.86											
	645	1.59	17.12	-30.44	-28.43	15.11	9.57	-52.72	-120.49	-88.39	-
84.81-33.84											
	642	2.10	27.11	-27.07	-19.61	19.65	-18.68	-39.10	-166.23	-43.48	-
161.85-23.19											
596 162	536	2.27	8.90	-6.18	-5.79	8.51	2.41	68.74	-241.34	67.21	-
239.8121.71											
	556	4.99	70.93	-10.60	-10.47	70.80	-3.22	-194.34	-463.30	-201.00	-
456.64-41.80											
	645	1.83	22.58	-36.71	-26.77	12.64	22.15	-46.04	-76.47	-71.96	-
50.55-10.82											
	642	1.80	18.05	-18.98	-18.07	17.14	-5.74	-28.24	-157.38	-33.56	-
152.06-25.67											
596 164	536	2.17	10.17	-6.28	-4.08	7.97	5.61	53.04	-244.39	51.99	-
243.3317.72											
	556	4.90	70.26	-8.80	-8.80	70.26	-0.02	-208.38	-457.50	-214.66	-
451.22-39.07											
	645	1.98	24.73	-38.79	-26.16	12.10	25.35	-41.10	-69.38	-68.50	-
41.98-4.92											
	642	1.78	16.78	-17.60	-17.41	16.60	-2.54	-25.85	-155.88	-31.54	-
150.19-26.59											
596 174	536	2.63	9.18	-10.03	-9.88	9.02	-1.70	36.14	-298.55	32.91	-
295.3232.73											
	556	5.52	71.95	-14.36	-13.73	71.32	-7.34	-238.77	-545.01	-240.76	-
543.01-24.64											
	645	1.93	19.44	-38.65	-32.37	13.16	18.04	-94.64	-134.37	-94.93	-
134.08-3.39											
	642	2.24	19.84	-26.73	-24.54	17.66	-9.85	-45.31	-208.97	-50.24	-
204.04-27.99											
596 210	536	2.53	7.93	-6.99	-5.75	6.69	4.11	63.98	-293.84	62.76	-
292.6320.81											
	556	5.35	70.52	-10.43	-10.37	70.45	-2.31	-260.91	-539.67	-266.47	-

534.11-38.96
645 2.04 22.46 -39.95 -29.22 11.73 23.55 -45.77 -74.29 -74.27 -
45.790.76
642 1.96 16.80 -20.85 -20.33 16.28 -4.40 -30.94 -179.40 -36.57 -
173.77-28.37
597 15 537 2.40 33.67 -31.06 -8.82 11.43 30.74 13.36 -125.74 -9.85 -
102.5351.86
557 2.95 43.54 -43.51 -10.37 10.39 42.27 16.71 -99.60 -2.33 -
80.5643.04
646 3.07 26.06 -56.86 -23.79 -7.02 40.60 84.91 -29.51 17.67
37.7356.33
643 2.59 16.79 -49.22 -25.87 -6.55 31.56 83.03 -30.46 13.21
39.3555.22
597 57 537 2.16 28.62 -33.37 -13.95 9.20 28.76 -1.44 -110.55 -17.32 -
94.6738.48
557 2.68 38.28 -45.71 -15.59 8.16 40.28 -3.76 -97.87 -12.02 -
89.6126.62
646 2.85 19.08 -61.90 -33.57 -9.25 38.62 51.72 -24.47 -0.20
27.4535.50
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46.2937.51
597 112 537 1.62 22.56 -21.21 -6.95 8.30 20.51 0.78 -101.45 -13.45 -
87.2235.39
557 2.06 30.33 -30.65 -7.97 7.65 29.47 3.28 -82.32 -8.11 -
70.9329.08
646 2.14 16.66 -40.80 -18.35 -5.80 28.04 60.13 -20.90 10.03
29.2039.36
643 1.77 9.59 -35.08 -19.96 -5.52 21.14 57.85 -20.51 7.01
30.3337.40
597 159 537 1.06 12.12 -12.94 -7.50 6.68 10.33 -27.59 -119.32 -32.55 -
114.3520.76
557 1.39 20.16 -21.59 -7.95 6.52 19.58 -25.24 -103.47 -28.65 -
100.0615.98
646 1.46 5.75 -31.35 -18.51 -7.09 17.65 44.87 -16.64 -1.55
29.7726.47
643 1.10 -0.88 -26.35 -20.16 -7.08 10.93 40.51 -13.22 -3.21
30.5020.92
597 164 537 1.08 5.07 -8.05 -8.05 5.06 0.15 -51.24 -141.90 -51.66 -
141.486.13
557 1.14 10.49 -13.02 -7.93 5.39 9.69 -49.08 -129.29 -49.18 -
129.192.88
646 0.89 -4.63 -22.42 -18.67 -8.38 7.26 34.24 -17.01 -13.12
30.3513.57
643 0.74 -8.59 -20.40 -20.35 -8.64 0.72 31.11 -13.88 -13.44
30.67 4.43
597 187 537 1.05 4.39 -11.52 -10.99 3.86 2.86 -55.65 -136.44 -55.65 -
136.440.06
557 1.24 11.12 -17.95 -11.01 4.19 12.39 -53.58 -125.98 -53.82 -
125.74-4.19
646 1.05 -4.05 -27.54 -22.01 -9.58 9.97 34.37 -22.00 -21.36
33.73 5.95
643 0.90 -9.03 -24.37 -23.56 -9.84 3.43 35.80 -21.13 -21.06
35.72-2.07
597 226 537 1.13 5.33 -7.41 -7.41 5.33 -0.06 -52.06 -150.58 -52.57 -
150.077.09
557 1.17 10.84 -12.31 -7.27 5.80 9.55 -49.17 -137.13 -49.50 -
136.805.40
646 0.91 -4.29 -21.82 -18.00 -8.11 7.23 58.38 -9.24 -5.24
54.3815.95
643 0.75 -8.49 -19.59 -19.57 -8.52 0.50 55.69 -6.98 -6.45
55.16 5.76
598 15 538 6.57 125.25 -38.00 -3.75 91.00 66.47 111.15 -245.16 -104.72 -
29.28-174.11
558 5.13 63.43 -66.86 0.25 -3.68 65.11 22.10 -214.92 -71.83 -
120.98-115.93
647 5.60 51.63 -77.65 -34.29 8.27 61.04 137.38 -207.59 -53.39 -
16.82-171.51
644 4.35 24.38 -72.56 -62.63 14.45 29.40 140.85 -189.48 -13.73 -
34.90-164.83

598	59	538	7.24	131.64	-37.54	0.82	93.28	70.84	737.90	230.62	287.51	681.02-160.06
		558	6.05	66.92	-66.04	3.20	-2.32	66.42	421.77	43.66	135.96	329.47-162.42
		647	7.41	58.68	-74.34	-27.15	11.49	63.64	555.72	-125.62	62.04	368.05-304.38
		644	5.61	31.26	-67.10	-54.59	18.76	32.76	663.22	1.57	122.27	542.53-255.52
598	134	538	5.35	99.33	-29.46	-0.83	70.69	53.55	516.77	186.89	222.35	481.31-102.17
		558	4.31	48.89	-50.58	1.30	-2.99	49.69	281.83	31.37	87.74	225.46-104.60
		647	5.26	43.46	-56.22	-20.67	7.92	47.75	377.26	-76.17	49.65	251.43-203.03
		644	3.88	22.72	-50.64	-41.61	13.68	24.11	441.35	7.46	88.24	360.57-168.88
598	159	538	3.89	91.00	-31.62	-7.10	66.47	49.05	140.01	61.72	95.46	106.27-38.77
		558	2.85	39.30	-50.12	-3.46	-7.37	44.67	-0.74	-51.17	-36.28	-15.63-23.00
		647	3.26	35.65	-54.16	-22.36	3.85	42.95	76.47	-38.85	17.45	20.17-57.64
		644	2.50	16.18	-49.41	-43.03	9.80	19.44	56.55	-48.91	24.00	-16.36-48.72
598	164	538	4.39	86.93	-33.48	-10.32	63.77	47.46	253.70	181.13	230.06	204.7634.01
		558	2.68	32.05	-49.13	-6.25	-10.83	40.53	53.68	-31.87	-21.77	43.5827.60
		647	2.50	32.59	-49.95	-19.29	1.94	39.89	62.24	45.45	62.20	45.49-0.84
		644	2.03	14.22	-44.52	-39.10	8.79	17.01	52.42	-10.33	50.43	-8.3410.99
598	179	538	5.23	91.34	-35.30	-9.13	65.17	51.28	410.68	292.54	292.58	410.65-2.08
		558	3.03	36.74	-52.03	-5.86	-9.43	44.35	169.15	23.50	25.14	167.52-15.35
		647	3.61	38.10	-51.61	-16.85	3.34	43.71	212.76	30.40	79.31	163.85-80.78
		644	2.44	18.10	-44.66	-36.75	10.19	20.83	218.61	57.68	84.10	192.19-59.62
598	198	538	6.19	94.62	-35.65	-10.03	69.00	51.78	637.98	471.78	480.81	628.95-37.67
		558	3.47	31.79	-51.34	-5.23	-14.32	41.31	227.81	-93.08	-91.31	226.05-23.72
		647	3.96	35.49	-51.17	-18.50	2.82	42.00	234.06	-19.98	71.73	142.34-122.01
		644	2.55	14.32	-45.18	-39.84	8.98	17.01	103.92	-30.43	68.34	5.15-59.28
599	5	556	7.75	133.38	-41.61	-5.28	97.05	70.98	-403.75	-648.10	-404.31	-647.5511.60
		559	4.19	49.68	-64.63	0.60	-15.55	56.58	43.34	-322.52	42.70	-321.89-15.21
		648	4.35	59.79	-64.31	-11.75	7.23	61.32	-75.56	-208.48	-111.16	-172.8958.86
		645	2.57	28.28	-46.94	-35.41	16.75	27.10	-19.41	-81.29	-57.26	-43.4430.16
599	21	556	6.88	135.37	-44.84	-0.86	91.39	77.41	-271.94	-390.25	-278.33	-383.87-26.73
		559	4.50	60.39	-70.44	6.82	-16.87	64.33	128.08	-189.80	117.38	-179.11-57.31
		648	4.32	69.66	-66.60	-1.27	4.32	68.07	-16.03	-80.85	-54.10	-42.78-31.92
		645	2.78	34.37	-46.89	-26.38	13.86	35.30	195.26	3.76	18.86	180.16-51.61
599	115	556	5.33	103.32	-34.28	-1.44	70.47	58.66	-220.96	-321.50	-223.89	-318.57-16.91
		559	3.38	45.10	-53.60	4.30	-12.80	48.60	89.01	-157.34	82.34	-150.67-39.97
		648	3.18	52.22	-50.89	-2.18	3.50	51.48	-30.21	-62.02	-46.80	-

45.44-15.89
645 1.99 25.56 -36.01 -21.28 10.83 26.27 124.18 -1.28 7.25
115.65-31.58
599 158 556 5.72 98.76 -31.69 -4.70 71.77 52.84 -292.00 -472.41 -292.33 -
472.08 7.67
559 3.11 37.02 -48.93 -0.23 -11.68 42.59 31.31 -236.21 30.77 -
235.67-11.97
648 3.22 44.04 -48.52 -9.21 4.74 45.75 -56.65 -151.90 -81.21 -
127.3341.67
645 1.91 20.82 -35.63 -26.86 12.05 20.45 -15.23 -59.00 -41.05 -
33.1821.53
599 164 556 5.73 98.30 -33.17 -6.46 71.59 52.90 -287.26 -470.16 -287.52 -
469.916.83
559 3.08 36.35 -49.89 -1.85 -11.69 42.84 31.32 -235.14 30.66 -
234.48-13.26
648 3.21 43.62 -48.97 -9.96 4.62 45.72 -57.10 -150.27 -80.46 -
126.9140.39
645 1.92 20.64 -36.42 -27.72 11.95 20.51 -15.21 -58.16 -39.92 -
33.4621.23
599 183 556 5.73 102.85 -45.70 -11.44 68.58 62.58 -204.36 -407.52 -205.39 -
406.4914.39
559 3.67 42.02 -63.34 -6.63 -14.69 52.52 113.18 -186.47 110.51 -
183.80-28.15
648 3.47 53.75 -57.25 -5.11 1.61 55.40 -51.69 -99.06 -62.52 -
88.2319.89
645 2.33 27.09 -41.28 -23.13 8.94 30.19 29.14 -30.65 -19.46
17.9523.32
599 206 556 6.00 97.36 -33.97 -7.72 71.10 52.53 -328.45 -544.07 -329.93 -
542.5917.80
559 3.30 34.16 -50.11 -2.84 -13.11 41.82 40.21 -269.90 40.09 -
269.78-6.02
648 3.35 41.37 -48.85 -11.43 3.95 44.45 -50.91 -180.83 -85.02 -
146.7257.17
645 2.00 18.87 -37.49 -29.84 11.22 19.30 -10.16 -72.38 -44.64 -
37.9030.93
600 15 557 3.29 50.41 -49.31 -10.19 11.29 48.69 16.01 -97.05 -1.13 -
79.9140.55
560 3.89 48.01 -70.42 -12.29 -10.12 59.21 27.82 -56.90 4.69 -
33.7737.74
649 3.73 33.74 -70.60 -16.79 -20.07 52.14 95.03 -27.63 26.63
40.7760.92
646 3.54 33.38 -65.47 -24.30 -7.79 48.73 85.84 -30.70 17.11
38.0357.33
600 79 557 3.08 48.70 -41.07 -6.28 13.91 43.73 25.09 -108.27 5.09 -
88.2647.62
560 3.69 46.52 -61.97 -7.96 -7.50 54.25 36.74 -70.50 11.03 -
44.7945.79
649 3.53 31.14 -63.27 -14.68 -17.45 47.18 101.52 -35.18 36.98
29.3568.24
646 3.31 30.76 -58.48 -22.55 -5.17 43.77 91.81 -35.26 27.35
29.2063.53
600 112 557 2.32 35.56 -35.14 -7.87 8.29 34.41 2.85 -80.62 -7.36 -
70.4227.34
560 2.79 34.05 -51.06 -9.17 -7.84 42.55 12.28 -48.67 -1.65 -
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649 2.66 22.71 -51.29 -12.90 -15.68 36.97 68.74 -19.48 17.38
31.8843.51
646 2.50 22.30 -47.35 -18.70 -6.36 34.27 60.83 -21.71 9.65
29.4640.06
600 159 557 1.65 25.17 -26.14 -7.99 7.03 24.53 -25.49 -102.47 -28.47 -
99.4914.85
560 2.15 24.67 -40.97 -8.28 -8.03 32.82 -14.49 -67.47 -18.75 -
63.2114.41
649 1.96 12.18 -41.49 -12.84 -16.47 26.78 55.58 -14.74 7.29
33.5632.61
646 1.80 11.36 -37.63 -18.73 -7.54 23.85 45.50 -17.12 -1.73
30.1226.96
600 164 557 1.31 15.02 -17.38 -8.12 5.76 14.64 -49.51 -128.64 -49.58 -
128.572.35

	560	1.57	15.30	-30.89	-7.38	-8.21	23.09	-35.67	-91.87	-35.86	-91.693.23
	649	1.27	1.71	-31.75	-12.79	-17.25	16.58	45.09	-12.65	-2.81	35.25 21.71
	646	1.15	0.59	-28.06	-18.75	-8.72	13.42	34.78	-17.12	-13.12	30.7813.85
600	169	557	1.48	20.59	-20.90	-6.59	6.29	19.72	-41.12	-125.63	-45.92	-120.8319.55
	560	2.01	21.33	-35.03	-6.01	-7.68	28.17	-23.15	-91.67	-31.35	-83.4722.24
	649	1.77	9.16	-34.85	-8.97	-16.72	21.66	72.49	-21.93	6.39	44.1743.26
	646	1.55	7.31	-30.26	-14.76	-8.19	18.50	56.66	-23.26	-4.86	38.2633.64
600	206	557	1.32	16.83	-17.05	-6.86	6.64	15.53	-45.39	-131.68	-46.36	-130.719.10
	560	1.73	17.10	-31.14	-6.44	-7.60	24.11	-25.03	-91.48	-28.82	-87.6915.41
	649	1.46	4.48	-32.08	-10.88	-16.73	18.04	124.40	14.21	24.70	113.9132.34
	646	1.39	3.05	-27.51	-16.39	-8.08	14.70	118.01	5.68	10.54	113.1522.85
601	15	558	6.09	87.41	-68.06	0.27	19.08	77.16	42.18	-224.10	-59.93	-121.99-129.47
	561	6.30	64.74	-97.73	6.18	-39.17	78.01	55.81	-267.90	-51.18	-160.91-152.27
	650	4.95	37.60	-75.68	-12.34	-25.74	56.24	135.01	-151.89	-9.73	-7.15-143.44
	647	5.58	43.67	-85.07	-37.34	-4.06	62.18	129.85	-201.75	-48.24	-23.65-165.35
601	59	558	6.89	84.06	-72.79	1.28	9.98	78.30	343.86	-187.19	-119.00	275.67-177.65
	561	7.17	62.74	-102.11	8.51	-47.88	77.46	119.51	-300.01	-187.69	7.19-185.75
	650	6.89	37.63	-78.46	-7.55	-33.27	56.60	307.81	-306.73	-131.34	132.42-277.53
	647	7.64	43.90	-84.71	-29.41	-11.40	63.67	495.08	-251.17	-86.66	330.56-309.36
601	134	558	4.89	62.84	-55.37	-0.15	7.62	58.98	231.30	-117.78	-76.66	190.18-112.53
	561	5.12	46.30	-77.40	5.73	-36.83	58.07	69.69	-201.20	-131.19	-0.32-118.59
	650	4.85	27.62	-58.94	-5.91	-25.41	42.17	203.29	-204.30	-91.42	90.41-182.39
	647	5.39	32.79	-63.78	-22.43	-8.56	47.78	334.05	-163.94	-54.41	224.52-206.27
601	159	558	3.39	58.16	-51.89	-4.18	10.46	54.54	7.19	-29.29	-8.60	-13.49-18.08
	561	3.52	40.54	-72.14	2.33	-33.92	53.35	-26.31	-91.90	-42.82	-75.39-28.46
	650	2.69	23.22	-53.35	-7.82	-22.31	37.59	32.45	-45.40	-19.64	6.69-36.63
	647	3.22	29.49	-59.36	-24.44	-5.43	43.40	59.52	-51.58	-1.79	9.73-55.25
601	164	558	3.50	51.23	-51.53	-7.54	7.24	50.85	80.41	-12.39	20.07	47.9544.26
	561	3.52	33.56	-69.91	0.47	-36.82	48.25	-2.42	-81.42	-45.46	-38.3939.34
	650	2.23	19.03	-49.80	-6.54	-24.23	33.26	23.44	-36.37	-28.93	16.0119.73
	647	2.43	26.43	-54.79	-21.17	-7.19	40.01	31.10	25.20	25.21	31.09-0.23
601	177	558	3.96	50.23	-52.11	-10.18	8.31	50.33	101.34	-135.58	60.78	-95.0289.24
	561	4.10	31.67	-69.55	-2.12	-35.76	47.73	54.39	-136.83	12.46	-94.9079.12
	650	3.15	18.72	-48.75	-6.87	-23.16	32.74	82.28	-115.22	10.63	-43.5794.96
	647	3.36	26.36	-54.12	-21.63	-6.12	39.49	84.67	-150.69	48.89	-

114.9184.50											
601 200	558	3.90	50.40	-51.32	-8.15	7.24	50.28	50.80	-188.81	19.71	-
157.7280.51											
	561	4.42	32.82	-69.43	-0.12	-36.48	47.78	34.21	-196.99	-19.05	-
143.7397.36											
	650	3.43	18.43	-49.35	-6.80	-24.11	32.77	123.85	-124.51	25.73	-
26.39121.41											
	647	3.57	25.86	-54.30	-21.44	-7.00	39.42	128.04	-113.62	59.24	-
44.82109.06											
602 1	559	5.20	74.43	-67.18	-5.37	12.62	70.23	-53.36	-349.54	-58.35	-
344.55-38.13											
	562	4.59	50.72	-94.52	2.49	-46.29	68.40	-37.10	-264.35	-50.96	-
250.49-54.39											
	651	3.53	38.64	-72.22	-0.67	-32.91	53.03	-33.93	-73.73	-39.69	-
67.9614.00											
	648	4.08	48.66	-71.15	-15.37	-7.11	59.76	-25.14	-151.18	-43.01	-
133.3043.97											
602 21	559	5.85	87.71	-72.25	-1.33	16.79	79.46	-73.46	-275.97	-116.83	-
232.60-83.08											
	562	5.63	64.31	-98.42	7.17	-41.29	77.67	-66.38	-265.33	-124.62	-
207.09-90.52											
	651	4.45	54.20	-75.42	6.93	-28.16	62.39	5.30	-120.16	-88.72	-
26.14-54.37											
	648	4.40	63.82	-74.54	-8.03	-2.68	69.13	-7.35	-94.47	-77.41	-
24.41-34.57											
602 115	559	4.41	65.95	-54.97	-1.44	12.42	60.06	-57.15	-215.75	-83.68	-
189.23-59.19											
	562	4.22	47.97	-75.18	5.03	-32.25	58.68	-49.97	-201.35	-88.25	-
163.07-65.80											
	651	3.27	40.00	-57.59	4.56	-22.15	46.93	-3.71	-83.72	-63.20	-
24.23-34.94											
	648	3.23	47.42	-56.89	-6.91	-2.55	52.11	-19.79	-65.67	-55.90	-
29.56-18.79											
602 160	559	4.00	58.08	-51.79	-3.59	9.88	54.52	-45.40	-248.89	-51.48	-
242.81-34.65											
	562	3.62	40.19	-72.46	2.52	-34.79	53.15	-34.50	-196.85	-48.70	-
182.65-45.87											
	651	2.61	31.18	-55.35	0.51	-24.69	41.39	-36.90	-45.78	-36.99	-
45.690.88											
	648	3.02	38.74	-54.57	-10.73	-5.09	46.57	-28.61	-94.00	-36.93	-
85.6721.80											
602 164	559	3.91	56.12	-51.00	-4.13	9.25	53.14	-39.67	-259.96	-43.43	-
256.20-28.51											
	562	3.47	38.26	-71.79	1.89	-35.42	51.76	-28.32	-198.04	-38.81	-
187.55-40.88											
	651	2.66	28.98	-54.80	-0.50	-25.32	40.01	-26.50	-54.99	-30.43	-
51.069.83											
	648	3.07	36.58	-53.99	-11.69	-5.73	45.19	-19.47	-112.42	-32.19	-
99.7031.94											
602 183	559	4.41	64.11	-63.59	-5.30	5.82	63.61	-53.98	-233.12	-62.66	-
224.43-38.49											
	562	4.08	45.93	-84.53	0.24	-38.85	62.23	-52.99	-203.84	-64.68	-
192.16-40.33											
	651	3.10	40.35	-65.62	3.48	-28.75	50.48	-24.02	-41.97	-25.65	-
40.35-5.16											
	648	3.35	47.49	-63.84	-7.19	-9.15	55.66	-20.10	-63.57	-21.24	-
62.436.93											
602 208	559	3.93	58.84	-51.93	-2.91	9.82	55.02	-35.85	-223.04	-41.68	-
217.21-32.52											
	562	3.66	40.82	-73.05	2.81	-35.03	53.70	-24.99	-180.84	-40.70	-
165.13-46.92											
	651	2.61	32.46	-56.12	1.35	-25.00	42.28	-34.14	-40.64	-35.86	-
38.93-2.86											
	648	3.00	40.02	-54.81	-9.56	-5.23	47.36	-28.89	-89.08	-34.10	-
83.8716.92											
603 15	560	4.16	55.06	-74.83	-10.56	-9.21	64.94	25.92	-48.05	4.17	-
26.3133.70											
	563	4.68	39.40	-98.86	-8.61	-50.85	65.82	83.62	-32.57	17.55	
33.5057.54											
	652	3.84	30.85	-75.25	-4.19	-40.22	49.90	103.25	-29.28	41.04	

32.9366.14											
	649	4.27	40.82	-80.67	-18.08	-21.77	60.71	97.45	-31.24	26.80	
39.4064.03											
603 79	560	3.99	54.38	-66.19	-7.45	-4.36	60.26	37.17	-62.23	12.38	-
37.4443.01											
	563	4.53	39.02	-89.98	-4.96	-46.01	61.15	90.74	-44.64	25.52	
20.5967.64											
	652	3.68	28.97	-67.16	-2.82	-35.37	45.22	113.60	-40.74	53.65	
19.2075.23											
	649	4.09	38.02	-74.07	-19.13	-16.92	56.04	105.90	-38.99	39.54	
27.3672.19											
603 112	560	3.01	39.45	-54.69	-8.02	-7.23	47.07	11.00	-42.44	-2.01	-
29.4222.94											
	563	3.40	27.97	-72.87	-5.97	-38.93	47.65	54.06	-25.64	11.45	
16.9839.75											
	652	2.74	20.98	-55.16	-3.20	-30.98	35.44	75.47	-18.87	29.47	
27.1347.16											
	649	3.06	28.19	-58.87	-13.77	-16.91	43.50	70.47	-21.94	17.56	
30.9745.72											
603 159	560	2.40	30.00	-45.37	-7.66	-7.71	37.69	-15.02	-63.24	-18.99	-
59.2713.25											
	563	2.81	20.61	-62.77	-3.84	-38.32	37.96	22.99	-29.81	4.77	-
11.5925.10											
	652	2.08	12.30	-46.55	-3.13	-31.11	25.89	63.25	-7.64	22.63	
32.9835.07											
	649	2.34	17.79	-48.56	-13.30	-17.47	33.11	56.88	-16.13	7.64	
33.1034.21											
603 164	560	1.84	20.57	-36.06	-7.30	-8.19	28.31	-35.72	-89.36	-35.96	-
89.123.56											
	563	2.30	13.80	-53.21	-1.71	-37.70	28.26	0.76	-42.83	-1.91	-
40.1710.44											
	652	1.44	4.42	-38.73	-3.07	-31.25	16.34	53.01	1.61	15.79	
38.8322.98											
	649	1.63	7.44	-38.30	-12.84	-18.02	22.72	45.93	-12.98	-2.29	
35.2422.71											
603 169	560	2.36	25.36	-42.03	-6.10	-10.57	33.62	-19.50	-91.15	-29.96	-
80.6925.29											
	563	2.80	18.45	-59.34	-0.81	-40.08	33.58	26.58	-51.37	4.62	-
29.4035.07											
	652	2.02	10.41	-44.27	-0.24	-33.63	21.65	90.71	-9.79	29.66	
51.2649.08											
	649	2.18	13.48	-43.59	-9.71	-20.40	28.03	77.05	-21.05	11.04	
44.9746.02											
603 206	560	1.99	22.38	-36.27	-6.34	-7.56	29.32	-25.07	-88.57	-28.80	-
84.8414.93											
	563	2.52	15.19	-53.91	-1.07	-37.64	29.32	27.29	-46.40	11.25	-
30.3630.41											
	652	1.71	6.71	-39.47	-1.67	-31.09	17.80	124.31	31.25	48.31	
107.2436.01											
	649	1.82	10.19	-38.63	-10.94	-17.50	24.19	125.81	14.04	25.59	
114.2634.02											
604 15	561	6.77	73.94	-105.89	13.98	-45.93	84.78	42.14	-283.35	-67.39	-
173.82-153.80											
	564	4.23	34.92	-87.08	20.64	-72.80	39.22	49.11	-222.70	-30.20	-
143.38-123.57											
	653	3.14	24.57	-55.86	6.86	-38.15	33.32	176.26	22.90	128.28	
70.88-71.11											
	650	5.48	42.49	-85.34	-14.10	-28.75	63.49	138.43	-165.53	-22.88	-
4.21-151.69											
604 59	561	7.53	62.73	-104.22	14.97	-56.46	75.45	224.78	-253.60	-51.21	
22.38-236.34											
	564	5.63	30.96	-92.36	24.21	-85.61	28.04	170.86	-343.44	-91.97	-
80.61-257.09											
	653	5.08	18.97	-55.93	11.50	-48.46	22.44	275.26	-268.70	-71.72	
78.28-261.44											
	650	6.93	34.22	-79.31	-6.93	-38.16	54.57	317.89	-312.07	-132.00	
137.82-284.63											
604 134	561	5.42	47.07	-79.88	10.39	-43.20	57.54	138.65	-170.18	-40.75	
9.22-152.38											

	564	4.00	22.76	-70.85	17.89	-65.98	20.79	99.48	-234.96	-72.07	-63.41-167.16
	653	3.52	13.74	-42.40	8.37	-37.02	16.52	176.58	-178.39	-54.80	52.99-169.10
	650	4.92	25.98	-60.37	-5.42	-28.96	41.54	209.79	-208.37	-92.33	93.75-187.24
604 159	561	3.91	46.97	-79.51	6.43	-38.97	59.02	-33.13	-99.63	-50.58	-82.18-29.26
	564	2.90	20.17	-67.99	14.31	-62.13	21.96	-43.84	-100.83	-55.80	-88.87-23.21
	653	1.68	12.26	-39.75	5.27	-32.75	17.74	27.22	12.89	13.08	27.03-1.66
	650	3.06	27.54	-60.19	-8.10	-24.54	43.09	33.35	-52.83	-26.03	6.55-39.89
604 164	561	3.91	39.42	-78.06	3.12	-41.75	54.29	-7.20	-85.18	-49.62	-42.7738.84
	564	2.95	16.07	-69.78	13.10	-66.81	15.68	-44.59	-108.58	-80.70	-72.4831.73
	653	1.57	8.39	-38.49	5.26	-35.36	11.70	25.45	-71.82	-52.37	6.0038.90
	650	2.54	23.81	-56.21	-6.00	-26.40	38.69	20.71	-39.14	-32.47	14.0418.83
604 177	561	4.82	41.00	-79.62	1.67	-40.29	56.54	22.01	-184.81	-53.04	-109.7699.44
	564	3.63	15.58	-69.32	11.60	-65.35	17.93	38.79	-192.99	-64.35	-89.85115.19
	653	2.75	9.17	-38.42	4.65	-33.90	13.96	144.77	-136.87	12.04	-4.14140.59
	650	3.62	26.20	-57.72	-6.58	-24.94	40.95	88.77	-110.51	22.36	-44.1093.93
604 200	561	4.84	38.59	-77.68	2.54	-41.63	53.78	22.55	-206.68	-32.15	-151.9897.71
	564	3.67	15.14	-69.51	12.42	-66.79	14.93	16.59	-212.20	-77.18	-118.44112.52
	653	2.61	7.74	-38.05	4.84	-35.15	11.16	120.01	-170.22	-38.99	-11.22144.45
	650	3.80	23.29	-55.71	-6.27	-26.16	38.23	126.92	-130.27	22.14	-25.48126.37
605 5	562	5.19	60.47	-104.36	7.37	-51.26	77.02	-54.49	-283.20	-71.66	-266.03-60.26
	565	4.48	24.56	-101.88	17.46	-94.77	29.11	-60.66	-193.97	-80.79	-173.84-47.74
	654	2.59	21.13	-63.04	10.30	-52.22	28.18	46.46	-8.22	0.27	37.97 19.81
	651	4.01	46.25	-81.20	1.40	-36.34	60.87	-39.09	-75.34	-51.09	-63.3417.06
605 29	562	6.47	73.64	-110.07	8.37	-44.80	87.92	6.73	-271.54	-57.00	-207.81-116.93
	565	4.71	31.90	-101.47	18.25	-87.82	40.43	12.70	-253.60	-90.46	-150.43-129.73
	654	3.88	34.52	-65.08	15.10	-45.66	39.46	65.00	-107.55	-60.40	17.85-76.89
	651	5.03	62.31	-86.01	6.38	-30.08	71.88	7.70	-131.28	-103.89	-19.69-55.28
605 119	562	4.84	55.03	-84.01	6.14	-35.12	66.39	-2.12	-208.31	-45.57	-164.87-84.08
	565	3.49	23.51	-77.91	13.76	-68.16	29.90	1.17	-187.71	-68.91	-117.62-91.25
	654	2.82	25.00	-49.65	11.09	-35.74	29.06	44.39	-69.19	-40.58	15.78-49.31
	651	3.70	46.05	-65.57	4.27	-23.80	54.02	-2.04	-91.89	-74.63	-19.30-35.40
605 158	562	3.91	45.20	-79.21	5.20	-39.21	58.10	-41.61	-210.32	-54.73	-197.20-45.18
	565	3.38	18.21	-77.32	12.97	-72.09	21.75	-46.98	-145.41	-62.39	-129.99-35.77
	654	1.96	15.62	-47.60	7.81	-39.78	20.81	33.94	-7.21	-1.36	28.0914.37
	651	3.00	34.37	-61.47	0.84	-27.94	45.71	-30.94	-55.21	-39.22	-

46.9411.50											
605 164	562	3.93	44.66	-79.87	4.15	-39.37	58.34	-43.07	-211.13	-56.76	-
197.45-45.97											
	565	3.37	17.40	-77.56	11.95	-72.12	22.08	-48.83	-145.72	-64.54	-
130.01-35.71											
	654	1.96	15.44	-47.52	7.69	-39.77	20.68	34.84	-8.09	-2.34	
29.0814.63											
	651	2.99	33.87	-61.78	0.17	-28.08	45.69	-31.92	-54.65	-40.27	-
46.3110.96											
605 181	562	4.32	49.34	-89.06	5.72	-45.44	64.29	-61.27	-219.52	-69.75	-
211.04-35.63											
	565	3.74	21.26	-86.09	13.36	-78.19	28.04	-60.61	-159.25	-75.65	-
144.21-35.46											
	654	2.39	22.10	-56.28	11.67	-45.85	26.63	21.51	-27.17	-22.07	
16.42 14.91											
	651	3.46	40.20	-70.03	4.32	-34.15	51.65	-46.07	-75.42	-59.81	-
61.6914.65											
605 206	562	3.93	42.87	-79.72	3.54	-40.40	57.22	-47.22	-228.06	-55.87	-
219.40-38.60											
	565	3.45	16.58	-77.49	11.83	-72.74	20.60	-59.24	-149.33	-67.95	-
140.62-26.62											
	654	1.95	13.86	-46.57	7.37	-40.08	18.71	36.23	-26.12	-6.05	
16.1529.13											
	651	3.09	31.37	-61.01	-0.81	-28.83	44.02	-19.94	-74.88	-34.70	-
60.1224.35											
606 15	563	5.07	48.96	-104.91	0.28	-56.23	71.56	89.30	-24.79	23.95	
40.5656.44											
	566	3.79	15.61	-97.95	5.02	-87.36	33.02	161.16	2.24	60.34	
103.0776.53											
	655	3.12	16.37	-63.87	5.08	-52.58	27.90	78.61	-60.37	27.46	-
9.2267.03											
	652	4.39	36.14	-86.00	-7.17	-42.69	58.43	112.65	-32.66	47.51	
32.4872.26											
606 79	563	5.01	49.25	-97.86	1.65	-50.27	68.82	88.96	-47.07	15.29	
26.6067.78											
	566	3.72	15.75	-90.83	6.32	-81.40	30.28	169.09	-22.45	53.09	
93.5693.61											
	655	3.12	14.83	-56.91	4.53	-46.62	25.16	102.09	-81.01	41.52	-
20.4486.15											
	652	4.34	35.23	-79.82	-7.86	-36.73	55.69	111.98	-60.08	33.64	
18.2685.68											
606 112	563	3.72	35.16	-77.98	0.26	-43.08	52.26	59.09	-19.37	17.07	
22.6539.13											
	566	2.79	10.93	-73.59	4.51	-67.17	22.40	109.24	4.19	45.41	
68.0251.29											
	655	2.19	10.84	-46.91	4.04	-40.12	18.61	57.83	-35.85	21.86	
0.1245.56											
	652	3.16	25.21	-63.20	-5.11	-32.88	41.97	81.60	-21.40	33.74	
26.46 51.37											
606 158	563	2.69	20.24	-60.31	1.55	-41.62	34.00	13.90	-35.99	10.47	-
32.5612.63											
	566	2.63	9.85	-67.06	9.75	-66.96	2.76	40.84	-5.69	40.76	-
5.601.94											
	655	1.56	4.80	-38.03	4.80	-38.03	0.41	48.09	25.42	27.49	
46.02 6.53											
	652	1.83	10.16	-44.96	-1.92	-32.88	22.80	52.24	-0.37	16.42	
35.4524.52											
606 164	563	2.67	19.50	-60.88	0.56	-41.95	34.11	11.20	-35.82	8.31	-
32.9311.29											
	566	2.59	8.80	-67.08	8.69	-66.97	2.91	38.97	-5.24	38.87	-
5.152.03											
	655	1.57	4.89	-37.98	4.89	-37.98	0.09	48.97	24.74	26.68	
47.02 6.58											
	652	1.81	9.54	-45.14	-2.47	-33.13	22.64	51.90	-0.29	15.51	
36.0923.98											
606 165	563	3.22	22.83	-67.78	1.47	-46.42	38.46	41.80	-47.68	17.12	-
23.0039.99											
	566	2.85	9.89	-72.09	9.24	-71.45	7.26	64.84	-16.81	46.64	
1.3933.98											

	655	1.77	7.20	-42.85	6.80	-42.46	4.44	85.60	10.63	40.69	
55.5336.74											
	652	2.40	13.98	-51.73	-0.14	-37.61	26.99	93.11	-9.40	35.64	
48.0750.88											
606 206	563	2.89	20.93	-61.55	1.27	-41.89	35.14	35.68	-38.98	19.78	-
23.0930.57											
	566	2.67	9.31	-68.11	9.12	-67.92	3.85	69.46	-10.08	52.07	
7.3232.87											
	655	1.81	5.72	-38.82	5.68	-38.78	1.34	96.67	40.09	50.38	
86.3821.83											
	652	1.93	11.83	-45.92	-1.13	-32.95	24.09	124.15	28.20	47.69	
104.6638.61											
607 15	564	4.40	38.88	-94.29	25.93	-81.34	39.46	5.13	-192.36	-67.75	-
119.48-95.29											
	567	3.12	28.14	3.31	15.68	15.77	12.41	402.94	-10.75	402.70	-
10.529.80											
	656	3.65	17.08	-42.29	3.74	-28.95	24.78	481.50	165.03	480.46	
166.07 18.14											
	653	3.06	26.36	-51.63	3.12	-28.38	35.68	171.63	24.94	131.65	
64.91-65.31											
607 59	564	5.29	33.46	-90.89	26.42	-83.85	28.73	205.16	-254.28	-6.77	-
42.36-229.03											
	567	3.58	21.98	5.85	20.53	7.31	-4.62	381.22	-110.99	327.37	-
57.14-153.64											
	656	3.67	9.72	-29.62	7.37	-27.27	9.32	502.80	-4.20	425.72	
72.88-182.03											
	653	4.52	20.41	-42.40	7.66	-29.65	25.26	407.75	-83.25	206.37	
118.14-241.50											
607 134	564	3.80	24.44	-70.71	19.37	-65.65	21.37	120.51	-174.31	-16.86	-
36.94-147.07											
	567	2.52	16.95	1.50	14.88	3.57	-5.26	255.96	-74.78	223.08	-
41.90-98.97											
	656	2.49	6.04	-22.66	4.86	-21.47	5.71	332.69	0.83	283.29	
50.22-118.12											
	653	3.09	14.91	-32.85	5.83	-23.76	18.74	261.82	-51.77	130.68	
79.37-154.68											
607 158	564	3.13	16.53	-76.04	13.55	-73.07	16.32	-34.96	-124.48	-94.82	-
64.6342.14											
	567	1.27	18.55	-19.95	9.36	-10.76	-16.41	50.07	-35.24	40.85	-
26.0226.49											
	656	1.07	-0.02	-26.13	-0.58	-25.57	-3.79	32.37	-19.36	-1.35	
14.3624.64											
	653	1.66	10.91	-35.11	5.71	-29.92	14.57	33.23	-79.26	-51.94	
5.9148.24											
607 164	564	3.14	16.23	-76.16	13.14	-73.08	16.59	-34.66	-123.22	-92.59	-
65.2942.13											
	567	1.26	18.42	-19.28	8.95	-9.81	-16.35	45.42	-37.68	36.30	-
28.5625.97											
	656	1.04	0.16	-25.28	-0.42	-24.70	-3.80	29.75	-21.37	-3.91	
12.2924.24											
	653	1.64	10.44	-35.00	5.39	-29.95	14.28	31.56	-78.72	-51.73	
4.5747.41											
607 177	564	3.86	16.17	-77.97	12.75	-74.55	17.61	32.14	-227.50	-107.65	-
87.71129.44											
	567	2.21	16.47	-19.76	7.99	-11.28	-15.34	122.58	-106.04	27.44	-
10.90112.69											
	656	1.96	-0.89	-26.48	-1.19	-26.18	-2.78	131.88	-122.59	-22.85	
32.14124.23											
	653	2.80	10.70	-36.98	5.15	-31.42	15.29	102.91	-199.16	-76.73	-
19.52148.30											
607 203	564	3.96	15.45	-76.15	12.67	-73.38	15.71	34.34	-229.59	-82.43	-
112.82131.09											
	567	2.07	20.35	-21.30	8.87	-9.81	-18.61	54.72	-111.17	-15.60	-
40.8681.98											
	656	1.78	-0.37	-25.31	-1.34	-24.34	-4.82	50.27	-153.55	-94.37	-
8.9292.52											
	653	2.97	9.86	-33.99	5.46	-29.59	13.17	153.63	-195.76	-31.20	-
10.93174.40											
608 7	565	4.59	24.57	-107.82	17.58	-100.82	29.62	-73.56	-155.93	-82.20	-

147.28-25.24											
	585	3.50	12.10	-43.78	5.17	-36.85	-18.42	236.41	-127.76	236.38	-
127.73-3.23											
	670	2.08	-0.42	-40.34	-0.74	-40.02	3.56	221.41	142.00	215.42	
147.99-20.98											
	654	2.61	24.49	-62.24	10.96	-48.71	31.47	31.63	-16.11	-9.40	
24.9216.59											
608 29	565	4.91	28.32	-117.72	13.67	-103.07	43.88	27.62	-201.46	-52.86	-
120.98-109.36											
	585	3.59	0.20	-39.68	-0.15	-39.33	-3.72	273.70	-148.61	263.09	-
138.00-66.09											
	670	2.95	9.63	-48.43	3.67	-42.46	17.63	331.89	90.81	289.96	
132.73-91.38											
	654	4.07	37.39	-74.59	14.34	-51.53	45.28	139.29	-11.17	70.00	
58.12-74.99											
608 119	565	3.63	21.22	-89.34	10.80	-78.91	32.31	9.80	-149.54	-44.40	-
95.34-75.49											
	585	2.74	0.91	-30.48	0.32	-29.89	-4.26	205.87	-110.65	199.57	-
104.35-44.18											
	670	2.14	6.21	-36.09	2.42	-32.30	12.08	243.45	75.47	215.17	
103.76-62.86											
	654	2.96	27.21	-56.01	10.52	-39.32	33.32	91.56	-4.79	45.33	
41.44-48.13											
608 158	565	3.46	18.40	-82.02	13.00	-76.63	22.63	-59.00	-117.75	-66.16	-
110.59-19.22											
	585	2.62	8.70	-32.98	3.53	-27.80	-13.75	179.81	-94.37	179.80	-
94.36-1.64											
	670	1.57	-0.14	-30.37	-0.33	-30.17	2.43	166.94	108.58	162.66	
112.86-15.22											
	654	1.97	17.81	-47.37	7.72	-37.28	23.58	24.60	-14.17	-9.02	
19.44 13.16											
608 164	565	3.45	18.20	-82.06	12.65	-76.52	22.92	-61.04	-117.79	-68.68	-
110.16-19.37											
	585	2.59	8.15	-32.51	3.14	-27.50	-13.36	181.38	-92.68	181.38	-
92.67-0.87											
	670	1.57	0.02	-30.13	-0.18	-29.93	2.44	167.94	110.56	163.97	
114.53-14.56											
	654	1.96	17.31	-47.38	7.23	-37.29	23.47	25.68	-15.51	-10.06	
20.2213.96											
608 183	565	3.60	23.26	-87.72	15.39	-79.85	28.49	-61.00	-155.64	-94.37	-
122.27-45.22											
	585	2.73	8.33	-32.39	6.78	-30.84	-7.79	160.45	-108.89	156.17	-
104.61-33.71											
	670	1.85	7.50	-34.84	5.92	-33.26	8.01	157.44	61.79	120.73	
98.50-46.52											
	654	2.61	25.09	-53.46	12.26	-40.63	29.04	7.00	-55.78	-53.74	
4.96-11.15											
608 227	565	3.44	20.30	-83.47	14.63	-77.80	23.58	-61.44	-119.78	-77.64	-
103.57-26.13											
	585	2.63	10.92	-32.63	5.31	-27.01	-14.59	160.22	-98.41	159.06	-
97.26-17.22											
	670	1.57	3.24	-29.72	2.97	-29.45	2.96	138.57	74.32	107.75	
105.15-32.10											
	654	2.12	20.73	-46.98	11.13	-37.38	23.62	11.74	-34.20	-33.04	
10.57 7.22											
609 7	566	3.15	9.91	-76.75	9.66	-76.50	4.66	108.26	3.89	105.96	
6.18-15.29											
	586	3.94	19.50	-82.11	5.34	-67.94	-35.19	-70.53	-169.05	-94.76	-
144.82-42.43											
	671	2.41	17.68	-42.06	-0.87	-23.52	-27.64	202.63	45.16	47.39	
200.40-18.61											
	655	2.41	10.07	-57.60	8.36	-55.89	10.62	40.60	-9.78	-9.68	
40.50-2.25											
609 29	566	3.06	8.38	-62.68	8.25	-62.55	-2.97	170.08	-61.23	111.58	-
2.73-100.55											
	586	4.56	28.34	-75.02	5.66	-52.34	-42.78	3.60	-231.49	-82.16	-
145.73-113.17											
	671	3.21	29.34	-41.48	-3.30	-8.84	-35.30	255.45	39.84	86.85	
208.44-89.03											

	655	1.93	4.29	-41.98	4.17	-41.86	2.31	115.11	-56.54	29.01	
29.56-85.83											
609 119	566	2.32	6.44	-49.54	6.41	-49.51	-1.44	122.61	-38.96	84.50	-
0.85-68.59											
	586	3.41	20.78	-57.97	4.23	-41.42	-32.08	-4.43	-170.21	-63.70	-
110.94-79.46											
	671	2.33	21.36	-31.64	-2.24	-8.04	-26.34	188.89	33.14	62.86	
159.17-61.20											
	655	1.51	3.71	-33.75	3.54	-33.58	2.52	78.62	-36.20	18.30	
24.12-57.34											
609 160	566	2.31	6.79	-56.86	6.65	-56.72	3.00	83.84	-1.00	77.00	
5.84-23.10											
	586	2.96	15.79	-59.36	3.55	-47.12	-27.75	-40.79	-129.04	-65.69	-
104.14-39.72											
	671	1.70	15.65	-30.59	-0.64	-14.30	-22.09	157.67	37.71	42.42	
152.96-23.30											
	655	1.74	6.04	-41.55	5.19	-40.70	6.30	35.35	-6.49	-2.65	
31.50-12.09											
609 164	566	2.36	7.04	-58.79	6.79	-58.54	4.05	77.79	5.29	75.84	
7.24-11.73											
	586	2.88	14.67	-60.15	3.46	-48.94	-26.70	-49.98	-120.32	-66.95	-
103.35-30.10											
	671	1.78	14.27	-30.69	-0.29	-16.13	-21.04	153.25	35.50	37.16	
151.60-13.86											
	655	1.82	6.79	-43.62	5.69	-42.53	7.35	33.09	-7.84	-7.82	
33.07-0.90											
609 167	566	2.29	6.27	-53.81	6.26	-53.80	0.64	103.73	-19.17	79.75	
4.81-48.70											
	586	3.19	18.45	-58.68	3.98	-44.20	-30.12	-18.71	-148.57	-62.59	-
104.68-61.43											
	671	2.01	18.74	-31.23	-1.10	-11.38	-24.45	173.18	37.85	54.42	
156.61-44.36											
	655	1.64	4.51	-38.15	4.15	-37.78	3.94	58.04	-18.98	9.03	
30.03-37.05											
609 211	566	2.34	6.46	-57.66	6.30	-57.50	3.20	85.92	-27.14	61.68	-
2.90-46.40											
	586	3.17	16.07	-60.25	3.59	-47.77	-28.23	-21.48	-143.60	-50.02	-
115.07-51.68											
	671	1.74	17.05	-30.47	-0.66	-12.76	-22.98	170.49	75.38	83.09	
162.79-25.95											
	655	1.75	6.11	-42.77	5.27	-41.92	6.36	7.70	-51.81	-39.56	-
4.55-24.06											
610 16	656	3.94	26.36	-35.11	6.45	-15.20	-28.77	-122.75	-527.55	-527.53	-
122.76-2.70											
	657	3.95	44.32	-44.46	23.78	-23.92	-37.44	-4.67	-231.91	-192.30	-
44.2786.20											
	568	5.26	56.03	-49.16	28.83	-21.97	-46.05	265.31	-117.68	-17.26	
164.89168.45											
	567	4.04	65.42	-49.80	7.33	8.29	-57.61	50.29	-289.92	-289.86	
50.22 4.82											
610 101	656	3.92	22.06	-39.03	4.55	-21.52	-27.62	-94.70	-479.81	-426.31	-
148.20-133.20											
	657	3.25	40.88	-49.39	22.53	-31.04	-36.33	27.06	-123.95	-68.30	-
28.59-72.85											
	568	3.74	47.85	-50.89	28.46	-31.49	-39.23	190.35	28.73	32.60	
186.4824.72											
	567	5.17	65.38	-58.87	5.86	0.64	-62.07	72.74	-309.26	-274.47	
37.95-109.90											
610 155	656	2.60	13.84	-27.50	3.13	-16.78	-18.12	-65.50	-319.64	-284.54	-
100.60-87.68											
	657	2.19	26.52	-34.94	15.07	-23.48	-23.93	19.85	-76.44	-38.10	-
18.49-47.14											
	568	2.55	30.10	-34.75	20.20	-24.86	-23.32	141.30	29.11	32.51	
137.9019.23											
	567	3.53	44.91	-42.56	4.94	-2.60	-43.57	56.05	-206.12	-185.47	
35.40-70.63											
610 159	656	1.50	5.51	-20.12	2.63	-17.25	-8.09	-49.74	-177.71	-177.54	-
49.914.72											
	657	1.43	11.80	-25.55	8.18	-21.93	-11.05	17.24	-56.06	-26.94	-

11.8835.87											
	568	2.02	15.77	-26.66	15.74	-26.62	-1.22	164.76	6.22	48.14	
122.8469.91											
	567	2.49	29.40	-34.15	7.62	-12.37	-30.16	68.46	-110.29	-109.05	
67.22 14.81											
610 164	656	0.74	0.99	-18.53	0.72	-18.27	2.25	2.04	-18.07	-2.54	-
13.488.44											
	657	0.96	0.59	-21.15	0.38	-20.94	2.14	57.88	2.19	55.74	
4.3210.70											
	568	1.83	18.64	-38.39	9.19	-28.95	21.20	114.49	68.17	80.84	
101.8220.64											
	567	1.90	14.94	-29.88	7.77	-22.70	-16.44	79.71	-22.63	-18.65	
75.72 19.81											
610 193	656	1.52	1.35	-18.20	1.10	-17.96	2.17	97.67	-135.71	-43.53	
5.49114.09											
	657	1.80	0.78	-20.82	0.58	-20.62	2.06	131.80	-129.09	9.91	-
7.21130.16											
	568	2.90	20.54	-37.71	11.47	-28.63	21.12	216.03	-44.57	70.24	
101.21129.38											
	567	2.85	16.91	-29.33	9.98	-22.39	-16.51	168.80	-92.36	-24.79	
101.23114.37											
610 223	656	1.23	1.32	-19.19	0.70	-18.57	3.50	15.78	-121.74	-69.06	-
36.9166.85											
	657	1.94	0.57	-21.03	0.15	-20.61	2.98	162.84	-100.14	71.17	-
8.47125.31											
	568	2.81	19.59	-38.28	9.54	-28.23	21.93	167.37	-47.99	78.69	
40.70105.99											
	567	2.21	14.07	-27.33	8.23	-21.49	-14.41	111.44	-57.77	-28.58	
82.2663.93											
611 15	657	3.81	40.52	-39.45	30.23	-29.16	-26.78	8.68	-239.59	-190.20	-
40.7199.11											
	658	4.86	59.79	-50.79	54.77	-45.77	-23.01	159.88	-197.37	-78.04	
40.55168.50											
	569	5.65	57.33	-60.63	53.29	-56.59	-21.46	311.71	-145.84	-13.57	
179.43207.43											
	568	7.52	80.03	-99.44	25.49	-44.90	-82.54	282.04	-119.13	-31.33	
194.23165.88											
611 35	657	3.92	43.53	-41.81	34.28	-32.56	-26.53	-0.23	-243.86	-235.57	-
8.5244.17											
	658	5.76	62.83	-53.80	58.21	-49.17	-22.77	226.61	-257.90	-118.26	
86.98219.45											
	569	6.41	58.89	-63.77	55.11	-59.98	-21.21	386.56	-182.01	-27.86	
232.41252.75											
	568	7.28	80.45	-100.90	27.85	-48.30	-82.29	274.72	-92.76	-49.18	
231.14118.81											
611 112	657	2.52	26.05	-27.65	20.39	-21.99	-16.50	8.94	-155.54	-120.01	-
26.5967.69											
	658	3.25	38.90	-35.47	36.01	-32.58	-14.37	111.80	-131.03	-47.66	
28.43115.30											
	569	3.66	36.81	-41.56	35.90	-40.65	-8.37	215.59	-91.42	-3.64	
127.82138.72											
	568	5.23	54.35	-70.96	18.38	-34.99	-56.69	202.43	-71.13	-11.85	
143.14112.71											
611 159	657	1.23	11.38	-20.86	11.06	-20.54	-3.18	18.69	-64.46	-34.55	-
11.2239.90											
	658	1.66	16.43	-24.36	16.13	-24.05	-3.51	76.06	-64.10	-7.46	
19.4368.78											
	569	2.13	25.15	-37.10	19.36	-31.31	18.08	137.11	-24.02	18.45	
94.6470.99											
	568	3.51	31.89	-53.96	14.40	-36.46	-34.58	155.28	-4.52	27.98	
122.7864.32											
611 164	657	1.14	5.86	-23.22	1.74	-19.10	10.14	53.87	1.20	50.91	
4.15 12.12											
	658	0.85	-0.24	-19.05	-3.76	-15.53	7.34	46.48	-3.31	32.74	
10.4322.26											
	569	2.75	36.66	-55.80	2.82	-21.96	44.54	61.96	40.04	40.54	
61.46 3.26											
	568	2.10	13.44	-40.96	10.42	-37.94	-12.47	108.63	61.59	67.81	
102.4115.93											

611	191	657	2.32	7.77	-24.69	3.92	-20.84	10.50	187.80	-69.83	90.92
27.05	124.79										
		658	2.33	1.37	-20.45	-1.81	-17.26	7.70	181.34	-124.54	65.39
-											
8.59	148.40										
		569	3.97	37.88	-56.44	5.14	-23.70	44.90	158.98	-61.48	57.44
40.07	109.88										
		568	2.86	15.55	-42.33	12.90	-39.67	-12.11	219.94	-5.12	92.58
122.24	111.55										
611	222	657	1.69	5.58	-22.86	2.01	-19.28	9.42	115.70	-57.53	38.84
19.33	-86.07										
		658	1.40	-0.06	-19.08	-3.22	-15.93	7.08	88.27	-53.30	-2.74
37.71	-67.84										
		569	3.77	35.69	-55.78	2.65	-22.74	43.94	222.71	34.67	55.05
202.33	-58.45										
		568	2.34	13.45	-42.12	9.98	-38.65	-13.44	195.16	45.63	72.77
168.02	-57.64										
612	16	658	4.58	62.98	-40.82	60.22	-38.06	-16.70	141.36	-198.47	-94.19
37.08	156.73										
		659	5.32	93.63	-48.07	93.59	-48.02	2.47	206.40	-164.66	-55.17
96.91	169.24										
		570	7.77	121.37	-63.45	107.32	-49.39	-48.99	290.45	-194.93	-37.05
132.58	227.39										
		569	7.55	80.32	-90.27	39.79	-49.74	-72.61	282.80	-171.11	-37.78
149.47	206.75										
612	36	658	5.10	66.72	-44.70	64.92	-42.90	-14.05	235.23	-203.12	-58.19
90.31	206.21										
		659	5.83	98.40	-53.03	98.23	-52.86	5.11	297.14	-164.10	-24.70
157.74	211.81										
		570	8.26	121.08	-66.48	108.83	-54.23	-46.34	369.04	-197.28	-25.05
196.80	260.53										
		569	8.04	78.18	-91.45	41.31	-54.58	-69.96	361.47	-179.61	-22.26
204.12	245.72										
612	122	658	3.30	42.31	-33.45	42.13	-33.27	-3.66	169.54	-134.42	-28.71
63.82	144.77										
		659	3.83	61.27	-36.70	61.02	-36.45	4.91	204.88	-116.28	-19.73
108.33	147.26										
		570	4.84	71.46	-35.66	68.52	-32.72	-17.51	237.92	-137.15	-24.80
125.56	171.81										
		569	5.42	49.25	-64.62	27.50	-42.87	-44.76	257.65	-108.44	-4.82
154.02	164.92										
612	159	658	1.48	18.61	-22.88	17.77	-22.03	5.86	72.77	-64.39	-11.22
19.59	66.83										
		659	1.64	22.63	-18.78	22.27	-18.42	3.83	82.39	-68.67	-24.93
38.65	68.52										
		570	1.64	30.43	-12.32	27.70	-9.59	10.45	80.50	-76.14	-28.55
32.91	72.04										
		569	2.68	21.39	-37.75	13.19	-29.55	-20.44	127.75	-34.60	7.45
85.70	71.13										
612	164	658	1.32	9.19	-26.67	-3.46	-14.02	17.14	44.50	-3.38	30.27
10.84	21.88										
		659	0.68	-1.86	-15.15	-13.39	-3.62	4.51	20.43	-20.72	-9.81
9.52	18.16										
		570	2.46	40.80	-42.60	-12.11	10.31	40.17	-13.87	-27.35	-24.30
-											
16.92	-5.64										
		569	0.97	1.41	-20.98	-0.11	-19.45	5.64	54.27	29.61	30.06
53.82	3.31										
612	191	658	2.84	11.12	-28.52	-1.35	-16.05	18.40	194.62	-99.99	97.10
-											
2.47	138.64										
		659	1.78	-2.03	-14.86	-11.23	-5.66	5.78	120.24	-137.15	44.24
-											
61.15	117.41										
		570	3.19	41.40	-43.56	-10.44	8.28	41.43	20.84	-134.09	-17.54
-											
95.71	66.88										
		569	1.66	3.27	-23.42	1.35	-21.49	6.91	133.88	-52.89	48.91
32.08	93.01										
612	222	658	1.87	9.19	-26.49	-2.88	-14.42	16.88	86.22	-50.85	-3.37
38.74	-65.22										
		659	0.94	-2.12	-14.62	-12.49	-4.26	4.70	76.20	-62.26	-43.75
57.68	-47.12										
		570	2.96	39.95	-42.68	-11.92	9.19	39.94	198.45	-8.76	2.36

187.33-46.70										
	569	2.08	0.89	-21.47	-0.30	-20.28	5.02	215.16	26.28	45.40
196.04-56.97										
613 16	659	4.96	109.44	-25.42	107.48	-23.46	16.14	204.45	-163.64	-58.28
99.08166.38										
	660	5.39	107.87	-60.74	93.48	-46.34	47.12	237.58	-100.81	-25.79
162.56140.56										
	571	13.25	312.50	-57.69	309.68	-54.87	-32.19	357.19	-205.36	-29.43
181.25260.80										
	570	9.90	135.36	-114.44	88.83	-67.91	-97.25	282.73	-204.62	-40.48
118.59230.33										
613 102	659	5.80	106.84	-23.39	105.19	-21.74	14.57	234.06	-133.32	-125.94
226.6851.55										
	660	6.80	105.08	-58.48	91.22	-44.62	45.55	368.96	-84.27	-78.79
363.4849.51										
	571	13.82	311.13	-56.28	308.00	-53.15	-33.76	476.26	-98.26	-17.17
395.17200.03										
	570	9.64	135.57	-114.59	87.17	-66.19	-98.82	318.26	-102.96	-43.88
259.17146.27										
613 155	659	3.80	68.01	-17.85	65.60	-15.44	14.20	160.63	-94.43	-87.98
154.1740.06										
	660	4.36	62.64	-37.30	54.47	-29.12	27.38	247.63	-67.47	-63.77
243.9433.92										
	571	8.75	199.65	-29.64	198.53	-28.51	-16.00	298.86	-82.40	-28.24
244.71133.10										
	570	6.28	88.01	-74.31	53.85	-40.15	-66.16	203.50	-76.13	-38.19
165.5695.76										
613 159	659	1.76	31.73	-14.67	26.76	-9.71	14.34	80.51	-68.85	-27.47
39.1366.84										
	660	1.45	21.15	-16.89	18.46	-14.20	9.74	78.95	-52.62	-31.09
57.4248.68										
	571	3.54	89.66	-4.50	89.61	-4.45	2.28	82.34	-102.82	-43.41
22.9386.43										
	570	3.07	40.72	-34.32	21.08	-14.69	-32.98	75.36	-81.66	-31.38
25.0873.26										
613 164	659	1.10	6.26	-22.69	-13.59	-2.84	13.44	18.65	-21.55	-12.06
9.1617.07										
	660	1.03	5.17	-22.35	-19.05	1.87	-8.94	5.04	-33.93	-33.74
4.85 2.73										
	571	1.71	28.53	-28.20	-20.43	20.76	19.51	-50.30	-56.32	-50.39
56.23-0.75										
	570	0.77	11.95	-12.82	-12.79	11.92	-0.85	-18.38	-30.12	-26.83
21.67-5.28										
613 193	659	1.86	5.99	-22.45	-13.83	-2.62	13.07	73.81	-135.99	27.61
89.7886.95										
	660	1.89	5.57	-22.81	-19.32	2.08	-9.32	17.95	-164.89	-2.84
144.0958.05										
	571	2.38	28.48	-27.79	-20.28	20.98	19.13	-52.95	-222.25	-60.90
214.3135.80										
	570	1.53	12.20	-12.69	-12.63	12.14	-1.22	-9.63	-147.27	-27.24
129.6545.98										
613 223	659	1.74	6.24	-22.96	-14.51	-2.21	13.24	77.58	-95.78	21.07
39.2781.26										
	660	1.48	6.11	-23.81	-20.22	2.52	-9.72	17.49	-91.57	-7.40
66.6845.77										
	571	2.97	29.32	-28.54	-21.22	22.01	19.23	-82.08	-306.43	-84.01
304.5120.71										
	570	2.03	13.12	-12.98	-12.97	13.11	-0.61	-46.87	-232.74	-53.88
225.7335.42										
614 16	660	19.35	499.44	-71.77	301.18	126.48	271.92	256.09	-100.57	-27.48
183.01143.96										
	661	29.22	139.71	-794.39	-722.11	67.43	-249.59	250.37	-6.37	25.76
218.2484.95										
	572	64.33	1731.24	-274.18	1395.49	61.57	748.72	568.51	-134.07	15.88
418.56287.87										
	571	25.09	332.18	-427.48	162.40	-257.70	-316.47	335.51	-215.64	-27.57
147.44261.31										
614 58	660	20.24	513.78	-81.86	310.56	121.36	282.40	349.89	-85.34	-14.01
278.56161.10										

	661	28.82	130.16	-780.33	-712.47	62.31	-239.11	359.41	5.95	37.04	
328.32100.11											
	572	65.04	1748.22	-284.25	1407.52	56.45	759.20	670.46	-116.80	24.31	
529.35301.95											
	571	25.29	331.67	-420.32	174.18	-262.82	-305.99	417.83	-193.61	-19.31	
243.52276.03											
614 133	660	13.35	337.07	-56.70	200.35	80.02	187.46	233.53	-66.61	-20.79	
187.71107.95											
	661	19.53	88.00	-527.55	-479.33	39.78	-165.39	237.28	-0.54	17.39	
219.3562.79											
	572	43.09	1156.44	-191.68	929.80	34.95	504.15	439.16	-91.40	3.75	
344.02203.54											
	571	16.91	223.35	-279.91	109.36	-165.92	-210.65	260.34	-146.73	-29.44	
143.05184.36											
614 159	660	6.18	155.74	-28.34	87.02	40.38	89.04	85.49	-52.54	-32.05	
65.0049.08											
	661	10.40	49.28	-279.72	-249.40	18.96	-95.17	78.61	-10.95	-6.03	
73.6820.42											
	572	20.90	558.99	-95.75	448.07	15.17	245.61	173.87	-71.75	-19.63	
121.75100.43											
	571	8.59	117.14	-143.83	40.61	-67.31	-118.80	75.78	-107.56	-42.33	
10.5587.78											
614 164	660	0.88	-2.35	-20.39	-20.07	-2.67	-2.41	6.05	-34.40	-34.33	
5.99 1.64											
	661	1.28	9.21	-27.53	-13.05	-5.27	-17.95	6.36	-26.88	-21.92	
1.40-11.85											
	572	1.00	-6.21	-27.46	-25.64	-8.03	-5.95	-23.43	-40.61	-37.38	-
26.666.71											
	571	1.91	35.09	-27.49	-20.28	27.89	-19.97	-49.58	-58.02	-49.70	-
57.891.01											
614 193	660	1.43	-2.24	-20.65	-20.28	-2.61	-2.58	-5.06	-161.46	-19.77	-
146.7545.65											
	661	1.91	9.33	-27.82	-13.28	-5.21	-18.13	-11.89	-201.50	-15.65	-
197.7526.42											
	572	1.74	-6.05	-27.55	-25.63	-7.97	-6.13	-43.07	-233.50	-47.31	-
229.2628.09											
	571	2.95	35.27	-27.52	-20.20	27.95	-20.15	-45.36	-218.70	-50.01	-
214.0528.01											
614 223	660	1.15	-1.64	-21.90	-21.34	-2.20	-3.31	15.94	-90.31	-7.28	-
67.0943.91											
	661	1.55	10.14	-29.21	-13.97	-5.09	-19.17	-1.69	-98.39	-6.41	-
93.6820.83											
	572	2.18	-5.37	-29.97	-27.64	-7.70	-7.20	-65.50	-314.42	-65.79	-
314.128.62											
	571	3.38	36.50	-28.09	-21.03	29.44	-20.15	-82.09	-304.59	-84.36	-
302.3322.35											
615 16	661	33.46	674.55	-409.54	550.93	-285.92	-344.58	352.27	-4.55	67.23	
280.48143.04											
	662	24.04	586.08	-211.63	215.40	159.05	397.86	240.80	-47.74	-47.63	
240.69 5.60											
	573	51.26	473.63	-1170.54	-701.86	4.95	-742.25	1001.10	50.74	153.45	
898.38295.07											
	572	67.96	512.46	-1646.10	-1295.92	162.27	795.78	475.03	-105.63	24.53	
344.87242.15											
615 58	661	33.01	665.49	-384.24	550.58	-269.33	-327.75	454.22	8.44	72.30	
390.36156.17											
	662	25.44	615.04	-215.72	223.67	175.64	414.69	399.73	-36.63	-35.75	
398.8619.52											
	573	50.27	477.71	-1132.06	-675.90	21.54	-725.42	1161.02	72.41	174.95	
1058.48317.99											
	572	68.93	541.64	-1641.34	-1278.56	178.87	812.60	581.61	-87.97	36.99	
456.66260.87											
615 133	661	22.32	441.85	-269.16	359.71	-187.02	-227.27	301.25	3.68	42.88	
262.04100.64											
	662	16.91	408.31	-148.38	152.87	107.05	277.40	262.06	-25.57	-25.34	
261.83 8.09											
	573	34.01	299.19	-778.30	-458.20	-20.92	-492.38	797.73	54.15	123.55	
728.33216.30											
	572	45.81	359.95	-1090.11	-858.57	128.41	531.17	380.02	-67.49	16.14	
296.38174.45											

615	159	661	11.81	221.77	-163.04	168.97	-110.24	-132.41	113.43	-4.56	11.77
97.10	40.75										
		662	8.25	192.62	-80.37	79.33	32.93	134.51	72.78	-19.58	-18.89
72.09	-7.99										
		573	18.18	120.83	-438.89	-249.15	-68.91	-264.95	381.02	28.77	64.97
344.82	106.96										
		572	22.42	169.50	-541.45	-444.36	72.41	244.13	142.92	-52.93	-8.86
98.85	81.78										
615	164	661	1.82	4.12	-48.53	-22.02	-22.39	-26.32	9.64	-20.18	-15.96
5.41	-10.40										
		662	1.29	11.48	-30.32	11.29	-30.13	2.83	6.90	-23.64	-4.52
12.21	-14.78										
		573	3.98	-15.16	-113.47	-22.80	-105.84	-26.31	71.34	17.44	20.73
68.05	12.90										
		572	2.29	43.63	-34.74	-18.59	27.48	-31.70	-23.11	-26.60	-25.55
24.16	1.60										
615	192	661	2.42	4.46	-50.14	-21.97	-23.72	-27.28	211.06	-24.23	-15.42
202.25	-44.68										
		662	3.17	10.86	-31.54	10.78	-31.46	1.87	296.56	10.62	16.38
290.80	-40.17										
		573	5.79	-16.59	-115.38	-24.81	-107.17	-27.27	375.43	63.03	63.09
375.36	4.49										
		572	3.17	42.96	-37.33	-20.52	26.15	-32.66	177.24	-4.46	-4.19
176.97	-6.98										
615	224	661	2.33	4.50	-51.70	-23.58	-23.61	-28.10	127.31	-37.29	-24.21
114.23	-44.53										
		662	2.03	13.06	-30.63	12.80	-30.37	3.34	114.64	-57.02	-3.85
61.47	-79.37										
		573	6.86	-16.90	-119.91	-26.07	-110.75	-29.33	508.90	54.40	57.17
506.13	35.37										
		572	3.42	45.38	-36.17	-20.29	29.50	-32.29	209.21	2.51	3.49
208.23	-14.20										
616	16	663	24.42	598.76	-199.33	191.35	208.07	-398.96	186.44	-29.46	-27.36
184.34	-21.18										
		664	31.79	708.30	-332.68	634.54	-258.91	267.11	250.00	0.12	62.63
187.49	-108.23										
		579	66.38	449.56	-1667.87	-1245.74	27.43	-845.96	378.04	-42.46	49.62
285.96	-173.90										
		578	45.36	608.36	-932.64	-623.89	299.62	616.81	632.11	19.53	86.01
565.63	-190.54										
616	80	663	25.36	613.83	-200.26	195.11	218.46	-406.88	563.39	1.02	1.02
563.38	1.92										
		664	32.22	705.34	-318.96	634.91	-248.53	259.20	453.50	51.17	65.89
438.78	-75.53										
		579	67.71	462.78	-1677.86	-1252.90	37.82	-853.87	613.81	5.74	77.36
542.19	-196.01										
		578	45.67	608.34	-932.73	-634.40	310.00	608.89	1006.22	82.56	139.17
949.60	-221.56										
616	144	663	17.21	415.41	-136.26	139.58	139.56	-275.84	385.58	-0.24	-0.15
385.48	-6.03										
		664	21.98	469.19	-234.67	416.57	-182.05	185.12	301.76	41.85	54.02
289.60	-54.90										
		579	44.96	297.42	-1120.43	-843.52	20.51	-562.09	432.68	19.46	68.67
383.47	-133.84										
		578	30.70	387.94	-652.44	-442.02	177.53	417.89	663.10	55.64	96.12
622.62	-151.50										
616	159	663	8.84	212.74	-72.73	82.80	57.20	-142.16	86.09	-15.63	-10.78
81.24	-21.68										
		664	11.69	234.63	-155.57	198.10	-119.04	113.67	94.70	3.01	41.06
56.65	-45.18										
		579	21.76	127.78	-559.79	-431.75	-0.26	-267.66	173.12	16.95	50.73
139.34	-64.30										
		578	16.48	168.61	-373.17	-246.14	41.59	229.53	198.61	4.38	35.34
167.65	-71.10										
616	164	663	1.63	32.28	-21.98	28.53	-18.23	-13.76	40.79	-13.59	-2.49
29.69	-21.93										
		664	2.67	5.08	-74.31	-20.13	-49.10	36.95	34.58	-13.07	30.27
8.77	-13.66										
		579	1.72	2.71	-41.57	-24.75	-14.11	21.49	70.68	46.64	51.29

66.03-9.49
578 3.34 -33.42 -111.28 -57.27 -87.42 35.89 12.93 -34.27 10.01 -
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616 187 663 2.80 24.07 -30.01 23.77 -29.72 -3.98 -12.08 -208.63 -19.81 -
200.91-38.19
664 3.68 10.33 -91.39 -20.47 -60.58 46.74 34.91 -168.68 28.35 -
162.12-35.93
579 2.22 5.84 -56.70 -25.27 -25.59 31.27 34.16 -90.40 34.13 -
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578 5.17 -28.31 -128.46 -57.86 -98.91 45.68 -22.43 -265.10 -22.55 -
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664 3.02 5.67 -77.67 -21.69 -50.31 39.13 39.56 -146.87 32.08 -
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579 2.24 4.53 -42.64 -26.16 -11.96 22.49 17.84 -201.67 16.40 -
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496.9421.96
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145.86-68.86
665 20.78 545.70 -92.71 353.20 99.79 -292.98 176.12 -47.25 4.70
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140.29-194.81
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342.33-172.91
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71.36-71.60
579 22.76 584.53 -144.82 471.23 -31.52 -264.20 194.23 23.59 61.22
156.60-70.75
617 164 664 1.76 11.43 -44.47 -7.62 -25.42 26.49 30.38 -5.01 28.81 -
3.44-7.28
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579 2.09 -27.28 -59.05 -28.48 -57.85 6.05 71.77 54.86 63.00
63.63-8.45
617 175 664 2.56 17.50 -59.77 -18.88 -23.38 38.57 36.14 -24.60 29.66 -
18.12-18.75
665 2.75 16.57 -70.43 -31.76 -22.10 43.23 17.76 -71.75 17.62 -
71.62-3.48
580 4.25 45.31 -90.32 -24.01 -20.99 67.80 36.52 -37.89 29.58 -
30.95-21.63
579 2.38 -28.62 -67.90 -40.69 -55.82 18.12 75.64 34.08 61.08
48.65-19.83
617 228 664 1.91 11.69 -45.48 -8.24 -25.54 27.24 106.66 12.33 17.28
101.7221.02

	665	2.47	8.00	-56.07	-23.75	-24.31	32.03	98.33	-23.30	-4.37	79.4044.10
	580	4.00	38.49	-74.41	-13.04	-22.88	56.23	297.82	70.99	71.12	297.70 5.29
	579	3.87	-28.79	-59.78	-30.49	-58.08	7.05	367.01	93.86	94.40	366.46-12.21
618 15	665	7.33	152.14	-94.36	140.94	-83.16	-51.33	165.60	-44.98	9.37	111.25-92.14
	666	5.85	130.92	-40.30	130.92	-40.30	-0.95	128.17	-108.17	-41.98	61.98-106.12
	581	12.39	181.94	-170.87	101.18	-90.10	148.23	199.27	-204.62	-42.98	37.63-197.88
	580	15.98	351.33	-139.82	346.67	-135.15	47.65	293.96	-133.73	-3.34	163.57-196.88
618 79	665	8.96	160.77	-96.05	146.66	-81.94	-58.53	311.21	-24.90	-19.67	305.98-41.61
	666	6.84	136.66	-39.45	136.28	-39.07	-8.15	215.25	-85.10	-80.27	210.42-37.78
	581	11.94	174.23	-164.47	98.63	-88.88	141.03	269.41	-104.28	-30.92	196.05-148.43
	580	16.53	347.41	-137.32	344.01	-133.92	40.45	433.19	-47.04	17.86	368.28-164.19
618 144	665	5.87	102.28	-64.22	95.06	-57.00	-33.91	206.63	-14.31	-11.10	203.42-26.45
	666	4.47	86.88	-26.75	86.85	-26.72	-1.84	142.12	-59.01	-56.24	139.36-23.43
	581	8.29	121.21	-115.91	63.50	-58.20	101.75	176.02	-75.23	-24.58	125.37-100.79
	580	11.09	229.96	-95.74	227.25	-93.03	29.59	293.54	-29.02	15.08	249.45-110.81
618 159	665	2.32	35.74	-38.10	35.45	-37.81	4.61	50.92	-4.57	11.68	34.67-25.25
	666	1.91	31.32	-21.00	26.62	-16.30	14.96	30.59	-39.45	-25.60	16.73-27.90
	581	5.82	85.23	-86.67	24.13	-25.58	82.28	53.89	-95.15	-31.18	-10.08-73.77
	580	5.72	110.91	-65.22	106.66	-60.96	27.03	118.99	-35.42	12.35	71.22-71.38
618 164	665	2.40	19.27	-57.43	-20.35	-17.81	38.33	19.09	-8.24	15.10	-4.259.65
	666	2.00	12.17	-47.26	-30.03	-5.06	26.96	1.13	-28.53	-20.48	-6.9313.19
	581	3.59	54.78	-63.84	-16.93	7.87	58.00	-20.14	-49.53	-29.74	-39.93-13.79
	580	1.60	-1.27	-42.51	-15.69	-28.09	19.67	37.15	16.08	23.76	29.47-10.14
618 187	665	3.19	23.36	-68.14	-27.10	-17.67	45.51	35.83	-142.60	32.47	-139.24-24.24
	666	2.84	16.87	-58.41	-36.62	-4.93	34.14	11.18	-119.08	2.54	-110.44-32.41
	581	4.55	61.68	-71.14	-17.47	8.01	65.18	-20.94	-167.57	-38.16	-150.35-47.21
	580	2.00	5.47	-49.52	-16.10	-27.95	26.85	17.59	-120.77	9.27	-112.45-32.89
618 227	665	2.75	19.94	-58.93	-21.55	-17.44	39.38	41.34	-92.85	35.96	-87.47-26.32
	666	2.43	12.77	-48.62	-31.23	-4.61	27.66	24.34	-87.06	5.79	-68.50-41.50
	581	4.49	55.57	-64.26	-17.38	8.69	58.48	-52.67	-280.03	-63.30	-269.39-48.02
	580	2.41	-0.87	-43.16	-16.62	-27.41	20.44	-11.45	-240.05	-14.54	-236.96-26.40
619 15	666	6.26	120.28	-62.38	118.95	-61.05	15.55	132.51	-110.18	-41.55	63.88-109.30
	667	4.26	69.00	-32.25	62.79	-26.04	24.31	102.82	-153.27	-74.97	24.52-117.98
	582	8.24	119.50	-100.20	26.81	-7.51	108.50	125.75	-199.61	-55.02	-18.84-161.67
	581	9.31	149.44	-104.05	114.16	-68.77	87.74	190.63	-204.81	-44.76	

30.58-194.10											
619	57	666	6.02	108.72	-62.46	104.32	-58.06	27.08	113.57	-140.31	-55.82
29.08-119.63											
		667	4.47	62.54	-38.05	47.53	-23.05	35.84	93.21	-186.59	-91.92
1.45-132.38											
		582	8.97	128.56	-112.79	20.29	-4.52	120.03	118.80	-225.63	-59.96
46.87-172.09											
		581	9.67	153.26	-110.77	108.28	-65.78	99.27	175.78	-230.46	-47.95
6.73-202.07											
619	133	666	4.06	70.34	-43.94	65.56	-39.16	22.87	72.51	-94.36	-40.26
18.40-78.11											
		667	2.97	39.06	-26.74	26.86	-14.53	25.58	58.77	-128.26	-67.08
2.41-87.75											
		582	6.28	91.33	-79.46	11.04	0.82	85.24	70.15	-160.76	-47.53
43.09-115.43											
		581	6.52	102.12	-75.15	69.77	-42.81	68.47	113.82	-160.53	-36.27
10.44-136.56											
619	159	666	2.39	34.33	-33.91	22.70	-22.28	25.66	31.90	-41.58	-26.78
17.11-29.47											
		667	1.39	13.15	-17.87	0.42	-5.15	15.26	21.47	-69.06	-49.63
2.04-37.16											
		582	4.09	64.94	-52.76	-1.61	13.80	58.34	3.43	-110.48	-50.46
56.58-56.87											
		581	3.42	49.99	-40.66	27.80	-18.48	38.97	48.95	-97.29	-33.22
15.12-72.56											
619	164	666	2.47	21.83	-55.15	-29.91	-3.41	36.14	-0.59	-29.62	-22.82
7.3912.29											
		667	1.75	9.71	-39.66	-36.19	6.24	12.62	-10.38	-43.93	-43.48
10.823.82											
		582	2.87	50.82	-40.68	-18.62	28.76	39.13	-55.85	-89.61	-56.69
88.77-5.27											
		581	1.42	16.39	-26.63	-18.09	7.85	17.16	-23.29	-53.67	-32.30
44.66-13.87											
619	187	666	3.44	26.65	-65.20	-36.59	-1.95	42.54	20.20	-127.22	3.15
110.16-47.15											
		667	2.63	14.05	-49.24	-42.88	7.69	19.02	34.68	-114.16	-9.66
69.83-68.07											
		582	3.97	57.40	-46.07	-18.90	30.22	45.54	-25.37	-180.98	-51.91
154.45-58.53											
		581	2.53	22.83	-31.75	-18.23	9.31	23.56	-15.72	-176.26	-37.73
154.26-55.21											
619	227	666	2.92	22.39	-56.43	-31.09	-2.95	36.82	24.18	-88.95	4.06
68.83-43.26											
		667	2.18	10.15	-40.85	-37.30	6.60	12.97	40.43	-108.57	-16.19
51.94-72.32											
		582	4.05	51.47	-40.87	-18.88	29.48	39.33	-64.76	-282.49	-80.71
266.54-56.73											
		581	2.72	17.32	-27.28	-18.59	8.63	17.67	-54.82	-285.27	-65.47
274.63-48.37											
620	15	667	4.67	74.04	-38.85	62.16	-26.96	34.64	105.55	-152.95	-72.74
25.33-119.59											
		668	2.60	31.80	-9.38	26.51	-4.09	13.78	69.98	-166.40	-97.65
1.23-107.35											
		583	5.50	81.22	-64.29	-4.96	21.89	71.50	95.98	-141.11	-48.31
3.18-115.72											
		582	5.25	71.14	-45.86	31.36	-6.08	55.42	125.00	-196.54	-54.70
16.83-159.65											
620	57	667	5.07	69.96	-47.88	48.43	-26.36	45.53	100.46	-193.02	-92.84
0.28-139.16											
		668	3.19	30.20	-21.54	12.13	-3.48	24.66	72.21	-211.39	-120.90
18.28-132.19											
		583	6.36	90.85	-76.81	-8.45	22.50	82.39	98.50	-173.08	-57.23
17.35-134.32											
		582	5.97	79.97	-56.93	28.52	-5.47	66.31	120.94	-225.96	-60.61
44.41-173.26											
620	133	667	3.44	45.30	-34.54	27.44	-16.69	33.27	63.53	-132.67	-67.78
1.36-92.30											
		668	2.03	16.45	-14.66	3.27	-1.48	15.37	47.34	-145.14	-84.90
12.90-89.25											

	583	4.37	64.08	-52.92	-8.03	19.19	56.89	55.54	-122.36	-44.51	-22.31-88.25
	582	3.96	53.10	-36.40	16.56	0.14	43.99	71.36	-160.82	-47.92	-41.54-116.04
620 159	667	1.88	21.53	-26.64	0.13	-5.24	23.94	22.02	-69.39	-49.28	1.90-37.87
	668	0.89	2.21	-11.64	-11.64	2.21	0.05	20.45	-73.90	-50.82	-2.64-40.56
	583	2.54	43.77	-30.49	-11.84	25.13	32.20	-10.76	-76.94	-43.13	-44.57-33.08
	582	1.81	25.97	-11.86	0.03	14.07	17.56	2.34	-108.85	-50.19	-56.32-55.51
620 164	667	2.05	15.78	-45.51	-36.34	6.61	21.86	-11.17	-44.54	-44.17	-11.543.51
	668	1.61	7.77	-37.59	-36.13	6.30	-8.02	-2.95	-34.66	-32.23	-5.38-8.43
	583	1.89	35.54	-22.06	-17.98	31.46	14.77	-45.05	-83.17	-47.70	-80.529.70
	582	1.68	28.46	-18.45	-18.39	28.41	-1.61	-55.90	-89.97	-56.39	-89.49-4.05
620 187	667	3.09	19.60	-54.57	-42.86	7.88	27.05	43.77	-128.14	-13.21	-71.16-80.93
	668	2.04	7.73	-43.00	-42.84	7.57	-2.83	108.38	-99.43	7.68	1.27-103.86
	583	2.72	39.64	-24.92	-18.02	32.73	19.95	6.29	-136.46	-32.53	-97.65-63.52
	582	2.38	29.94	-18.59	-18.33	29.68	3.58	-17.41	-186.93	-49.51	-154.83-66.42
620 227	667	2.62	16.18	-46.65	-37.46	6.99	22.21	42.16	-109.90	-15.52	-52.22-73.78
	668	2.12	7.90	-38.53	-37.12	6.49	-7.97	75.19	-124.46	-19.43	-29.84-99.69
	583	2.85	35.96	-22.08	-18.11	32.00	14.65	-42.65	-211.78	-63.12	-191.31-55.16
	582	2.85	29.15	-18.70	-18.66	29.11	-1.40	-64.34	-282.42	-79.95	-266.81-56.22
621 16	668	3.29	48.21	-17.56	37.40	-6.75	24.37	75.00	-157.04	-85.93	3.88-106.98
	669	1.79	19.16	-2.66	14.89	1.60	8.65	2.63	-165.10	-142.13	-20.35-57.67
	584	3.32	45.12	-46.24	-10.99	9.87	44.47	93.95	-70.57	-38.50	61.89-65.17
	583	2.91	35.47	-19.23	2.31	13.93	26.73	122.17	-121.14	-30.99	32.02-117.50
621 73	668	3.19	6.08	-39.04	-38.79	5.83	-3.36	205.51	-257.03	-86.51	34.99223.15
	669	4.95	28.32	-62.35	-24.73	-9.30	-44.67	158.27	-246.45	-30.21	-57.97201.88
	584	3.88	29.29	-32.27	-24.04	21.06	-20.95	125.50	-280.07	-58.89	-95.68201.95
	583	5.00	60.45	-39.75	-21.44	42.14	-38.72	121.98	-295.75	-104.57	-69.20208.11
621 137	668	2.26	4.43	-31.48	-31.35	4.30	-2.18	134.99	-172.52	-60.62	23.09147.95
	669	3.49	20.04	-47.61	-20.34	-7.23	-33.18	105.99	-159.67	-17.16	-36.52132.48
	584	2.80	21.85	-26.76	-20.70	15.78	-16.06	85.82	-189.61	-38.64	-65.16137.08
	583	3.63	45.11	-32.01	-18.95	32.06	-28.92	76.65	-205.68	-73.94	-55.09140.85
621 162	668	1.57	5.18	-35.55	-35.54	5.18	0.50	11.43	-48.43	-38.25	1.2522.49
	669	2.04	16.28	-47.49	-24.86	-6.35	-30.51	16.81	-5.17	11.19	0.45 9.59
	584	1.66	21.05	-24.22	-19.83	16.66	-13.39	18.44	-55.70	-9.77	-27.4935.99
	583	2.60	44.04	-29.11	-18.01	32.94	-26.25	-25.89	-103.09	-54.10	-74.8837.18
621 164	668	1.52	5.43	-36.63	-36.59	5.40	1.16	-1.66	-35.20	-32.66	-

4.21-8.88											
	669	2.08	15.39	-47.51	-25.99	-6.13	-29.84	35.54	-7.57	18.27	
9.70-21.13											
	584	1.43	20.88	-23.61	-19.62	16.88	-12.72	2.92	-23.55	-2.55	-
18.0810.72											
	583	2.40	43.79	-28.40	-17.77	33.16	-25.58	-45.46	-83.52	-49.14	-
79.8311.26											
621 186	668	1.77	5.33	-31.49	-31.30	5.14	-2.64	75.88	-113.70	-52.48	
14.6588.65											
	669	2.87	20.99	-47.75	-20.36	-6.39	-33.65	65.12	-85.63	-6.59	-
13.9375.29											
	584	2.32	22.97	-26.39	-20.04	16.62	-16.53	58.94	-122.40	-21.44	-
42.0390.09											
	583	3.20	46.27	-31.68	-18.30	32.89	-29.39	29.83	-153.63	-61.81	-
61.9991.73											
621 225	668	1.76	5.92	-35.30	-35.30	5.92	-0.01	79.42	-124.43	-18.61	-
26.40-101.85											
	669	3.12	17.38	-47.66	-24.88	-5.40	-31.03	89.69	-118.77	-21.49	-
7.59-104.00											
	584	1.64	21.99	-23.61	-19.06	17.44	-13.67	18.95	-90.60	-17.50	-
54.15-51.62											
	583	2.60	45.15	-28.50	-17.09	33.73	-26.65	-42.46	-204.48	-63.06	-
183.88-53.97											
622 1	669	2.30	3.25	-60.40	-37.52	-19.63	-30.54	49.17	-9.27	24.83	
15.07-28.81											
	670	4.17	51.33	-75.31	7.36	-31.34	-60.29	155.59	12.49	153.09	
14.99-18.74											
	585	3.53	7.53	-98.08	-38.10	-52.45	-52.31	154.03	74.03	143.34	
84.72-27.23											
	584	4.68	86.48	-69.04	-24.20	41.64	-70.44	5.12	-26.29	-4.67	-
16.5014.55											
622 65	669	4.16	-5.05	-57.68	-41.46	-21.27	-24.30	317.59	-72.97	253.33	-
8.71144.79											
	670	4.61	40.28	-71.62	1.77	-33.12	-53.17	399.63	6.03	378.89	
26.7787.94											
	585	4.33	-0.69	-92.97	-40.07	-53.60	-45.64	229.50	7.63	190.99	
46.1484.03											
	584	6.38	77.06	-65.02	-26.66	38.69	-63.08	189.19	-209.29	45.48	-
65.58191.35											
622 137	669	2.96	-3.04	-44.52	-31.40	-16.17	-19.29	211.82	-44.79	171.32	-
4.2993.55											
	670	3.40	31.98	-55.35	1.91	-25.28	-41.49	280.01	6.92	267.68	
19.2556.71											
	585	3.24	0.31	-71.87	-30.53	-41.03	-35.70	164.26	16.73	141.60	
39.3953.20											
	584	4.72	60.03	-50.28	-20.21	29.96	-49.12	126.56	-141.88	29.88	-
45.20128.86											
622 162	669	1.72	1.40	-45.43	-28.88	-15.14	-22.39	48.88	8.22	48.86	
8.24 0.81											
	670	3.04	37.12	-56.65	4.73	-24.25	-44.59	144.06	12.28	144.06	
12.28 -0.19											
	585	2.77	4.67	-73.70	-29.02	-40.01	-38.80	114.71	58.92	113.99	
59.64 -6.31											
	584	3.75	63.96	-51.67	-18.69	30.98	-52.21	27.91	-42.46	3.35	-
17.9033.54											
622 164	669	1.75	2.54	-45.67	-28.25	-14.89	-23.16	37.44	-7.82	18.25	
11.37-22.37											
	670	3.14	38.41	-56.97	5.44	-24.00	-45.36	115.14	8.55	113.16	
10.53-14.41											
	585	2.66	5.76	-74.16	-28.64	-39.76	-39.57	115.86	55.93	107.08	
64.71-21.19											
	584	3.51	64.95	-52.03	-18.31	31.24	-52.99	3.29	-17.64	-3.28	-
11.079.71											
622 186	669	2.38	1.67	-45.19	-28.32	-15.20	-22.49	123.58	-18.20	100.75	
4.6352.12											
	670	3.16	37.46	-56.65	5.12	-24.31	-44.70	202.44	7.47	195.98	
13.9334.88											
	585	3.13	4.02	-74.40	-30.32	-40.06	-38.91	135.66	41.36	125.76	
51.2628.90											

	584	4.36	63.66	-52.72	-20.00	30.93	-52.32	81.56	-94.22	15.06	-
27.7185.25											
622 226	669	2.34	2.64	-44.92	-27.53	-14.75	-22.91	105.67	-24.21	53.64	
27.8163.64											
	670	3.20	37.68	-56.11	5.22	-23.65	-44.62	257.28	42.32	255.60	
44.0118.95											
	585	2.92	4.61	-73.04	-28.39	-40.03	-38.39	143.79	61.42	143.49	
61.73 5.03											
	584	4.12	64.16	-51.64	-18.30	30.82	-52.43	95.15	-57.81	9.78	
27.5675.96											
623 5	670	5.83	52.13	-139.97	27.12	-114.96	-64.65	-35.37	-103.43	-95.83	-
42.96-21.43											
	672	3.38	102.75	65.20	74.84	93.11	-16.40	-8.53	-71.41	-15.78	-
64.1520.09											
	587	8.66	-64.17	-276.20	-68.83	-271.55	-31.06	81.83	-4.60	12.23	
65.01-34.22											
	585	5.77	84.62	-92.40	-29.25	21.47	-84.80	42.19	-79.81	-58.66	
21.05-46.18											
623 23	670	6.30	53.84	-144.13	23.59	-113.87	-71.23	-26.95	-167.95	-137.98	-
56.92-57.68											
	672	3.47	108.72	58.15	72.66	94.21	-22.87	-50.47	-66.09	-54.96	-
61.60-7.07											
	587	8.73	-59.88	-276.97	-66.43	-270.42	-37.13	108.51	3.47	33.30	
78.68-47.36											
	585	6.34	91.13	-98.62	-30.07	22.58	-91.15	67.22	-82.25	-37.93	
22.90-68.27											
623 116	670	4.77	40.93	-109.96	18.34	-87.38	-53.83	-21.50	-122.16	-101.63	-
42.03-40.55											
	672	2.64	82.47	45.34	55.84	71.97	-16.72	-37.53	-48.06	-38.25	-
47.34-2.66											
	587	6.68	-46.29	-212.15	-51.15	-207.29	-27.97	80.69	1.89	23.42	
59.16-35.12											
	585	4.80	69.11	-75.15	-23.13	17.09	-69.27	48.80	-62.95	-31.59	
17.45-50.21											
623 160	670	4.41	38.22	-105.12	18.81	-85.70	-49.06	-23.93	-91.51	-81.70	-
33.74-23.81											
	672	2.50	76.29	47.69	54.98	69.00	-12.46	-17.72	-49.57	-20.77	-
46.529.37											
	587	6.49	-46.78	-206.51	-50.94	-202.35	-25.45	69.05	-1.92	13.83	
53.30-29.49											
	585	4.48	64.09	-71.92	-23.34	15.51	-65.17	36.98	-62.88	-42.68	
16.77-40.12											
623 164	670	4.31	37.88	-104.24	19.59	-85.95	-47.59	-25.36	-77.61	-72.33	-
30.64-15.75											
	672	2.48	74.99	49.24	55.46	68.76	-11.03	-6.25	-52.90	-12.06	-
47.0915.40											
	587	6.48	-47.72	-206.35	-51.47	-202.60	-24.10	63.30	-3.89	9.15	
50.26-26.57											
	585	4.35	62.64	-70.54	-23.16	15.27	-63.76	32.00	-62.92	-47.29	
16.36-35.21											
623 183	670	4.78	42.26	-110.34	20.83	-88.91	-53.02	-16.21	-185.18	-164.86	-
36.53-54.97											
	672	2.67	78.37	44.31	56.89	65.80	-16.43	-44.13	-104.35	-102.75	-
45.73-9.70											
	587	6.71	-46.24	-211.10	-51.76	-205.58	-29.66	84.07	-35.20	-13.74	
62.61-45.82											
	585	5.06	65.89	-77.43	-23.82	12.29	-69.35	60.42	-105.66	-69.67	
24.43-68.43											
623 208	670	4.58	39.19	-108.91	20.18	-89.89	-49.54	-29.32	-106.88	-94.75	-
41.45-28.17											
	672	2.67	82.41	52.68	58.38	76.71	-11.70	-5.93	-48.06	-11.59	-
42.3914.37											
	587	6.61	-50.56	-212.27	-54.94	-207.89	-26.25	63.19	-8.72	8.06	
46.41-30.41											
	585	4.65	65.82	-74.38	-24.99	16.43	-66.97	38.32	-69.05	-46.08	
15.34-44.04											
624 16	674	2.37	73.74	33.21	48.02	58.93	19.52	-12.45	-50.80	-12.81	-
50.44-3.71											
	671	4.96	31.34	-120.01	15.46	-104.14	46.38	-34.82	-139.61	-111.52	-

62.9146.42
586 3.19 58.77 -31.53 -3.02 30.26 41.97 82.51 -4.27 23.53
54.7140.49
589 6.20 -40.37 -199.22 -41.86 -197.73 15.27 90.79 -59.25 2.44
29.1073.83
624 80 674 2.67 78.11 29.51 52.20 55.42 24.25 -47.18 -81.60 -47.89 -
80.89-4.91
671 5.41 37.24 -125.70 19.18 -107.64 51.15 -56.62 -181.01 -146.19 -
91.4355.85
586 3.49 60.39 -39.81 -6.12 26.70 47.34 82.28 -17.73 31.40
33.1550.00
589 6.43 -41.61 -203.94 -44.26 -201.29 20.58 82.50 -68.52 9.05
4.9275.48
624 112 674 0.94 15.67 -9.68 15.45 -9.46 2.35 -1.99 -38.74 -3.62 -
37.127.56
671 2.77 10.77 -68.89 4.30 -62.42 21.76 -11.39 -76.23 -50.26 -
37.3631.77
586 1.24 14.35 -15.28 0.59 -1.52 14.78 50.66 -31.61 -17.58
36.6330.94
589 4.09 -12.38 -122.47 -12.66 -122.19 5.53 71.67 -34.68 4.63
32.3651.34
624 158 674 4.76 -40.21 -156.76 -49.89 -147.09 -32.16 33.20 -31.30 14.44 -
12.5329.29
671 2.18 34.40 -32.33 -18.01 20.09 -27.39 71.81 11.84 71.70
11.94 2.52
586 3.71 25.19 -83.56 7.81 -66.18 -39.84 -0.52 -104.50 -103.13 -
1.8911.85
589 1.61 53.63 20.49 46.01 28.11 -13.94 38.72 7.53 9.27
36.99 7.14
624 164 674 4.75 -40.04 -155.87 -49.68 -146.23 -31.99 34.77 -30.48 14.77 -
10.4830.09
671 2.19 35.18 -32.20 -18.01 21.00 -27.47 72.37 13.65 72.27
13.75 2.48
586 3.67 25.19 -82.46 7.80 -65.07 -39.62 1.84 -101.19 -99.81
0.47 11.83
589 1.61 53.62 21.02 45.73 28.90 -13.96 40.17 7.71 9.00
38.87 6.35
624 173 674 5.00 -37.95 -161.89 -47.05 -152.79 -32.33 19.54 -69.82 -24.69 -
25.6044.68
671 2.16 31.17 -31.85 -15.12 14.44 -27.83 42.70 -16.20 31.42 -
4.9123.18
586 3.94 24.16 -88.12 7.69 -71.65 -39.72 -3.88 -118.60 -111.01 -
11.4628.50
589 1.67 52.11 15.70 45.49 22.32 -14.05 37.06 -8.74 -1.83
30.1616.39
624 221 674 4.87 -41.06 -157.89 -50.98 -147.97 -32.57 50.74 -35.95 22.61 -
7.8240.59
671 2.30 37.63 -32.94 -18.67 23.36 -28.34 81.08 18.42 81.00
18.50 2.27
586 3.74 26.12 -83.10 8.05 -65.03 -40.59 3.86 -109.31 -108.29
2.8310.72
589 1.76 55.58 23.69 46.87 32.39 -14.20 53.81 10.05 10.24
53.62-2.85
625 16 670 1.05 -8.04 -25.84 -10.52 -23.35 -6.17 9.35 -59.52 -38.38 -
11.79-31.76
755 3.02 68.51 -14.55 -3.83 57.78 27.85 17.86 -105.18 -62.01 -
25.31-58.71
672 2.79 -16.15 -75.69 -75.45 -16.39 -3.79 12.75 -88.07 -65.12 -
10.20-42.28
625 51 670 3.38 60.65 -42.76 28.13 -10.24 48.02 -44.88 -246.03 -48.66 -
242.25-27.32
755 4.06 -25.64 -84.99 -25.87 -84.75 -3.70 -34.38 -251.79 -41.74 -
244.43-39.32
672 2.82 64.99 9.84 36.24 38.58 27.55 -37.65 -185.56 -39.58 -
183.62-16.81
625 130 670 2.56 47.21 -32.06 21.91 -6.76 36.95 -33.44 -173.50 -36.66 -
170.27-21.00
755 2.99 -19.41 -64.10 -19.57 -63.94 -2.71 -25.12 -178.13 -31.29 -
171.96-30.10

	672	2.13	50.66	8.11	28.15	30.63	21.24	-27.84	-127.02	-29.55	-
125.31-12.90											
625 161	670	2.52	49.90	-27.63	23.22	-0.95	36.84	-25.38	-93.85	-32.65	-
86.57-21.10											
	755	2.26	-17.79	-57.28	-17.89	-57.18	-2.00	-15.18	-100.05	-26.96	-
88.27-29.34											
	672	1.92	53.94	10.86	29.43	35.36	21.34	-17.96	-49.22	-24.72	-
42.46-12.87											
625 164	670	2.53	50.90	-26.72	23.68	0.49	37.04	-21.73	-75.74	-31.64	-
65.83-20.91											
	755	2.09	-17.34	-55.83	-17.43	-55.74	-1.80	-10.94	-82.54	-25.95	-
67.53-29.15											
	672	1.89	55.16	11.54	29.90	36.80	21.54	-10.00	-35.43	-23.71	-
21.72-12.68											
625 187	670	2.91	52.77	-28.11	25.84	-1.18	38.11	-41.07	-187.08	-52.99	-
175.16-39.97											
	755	2.84	-15.25	-57.43	-15.27	-57.42	-0.73	-31.33	-192.83	-47.30	-
176.86-48.21											
	672	2.46	56.25	10.93	32.06	35.12	22.61	-34.61	-141.50	-45.06	-
131.05-31.74											
625 227	670	2.77	51.33	-26.80	23.59	0.93	37.38	-35.56	-165.11	-44.98	-
155.68-33.65											
	755	3.16	-18.26	-58.92	-18.45	-58.72	-2.81	-38.58	-240.14	-61.46	-
217.26-63.94											
	672	2.14	56.12	12.31	31.12	37.32	21.68	-14.21	-71.98	-36.84	-
49.34-28.20											
626 16	674	1.89	55.39	9.51	26.79	38.12	22.23	-10.54	-60.27	-59.54	-
11.27-5.97											
	757	1.78	-22.44	-44.44	-37.17	-29.71	10.35	-36.28	-153.07	-106.15	-
83.20-57.26											
	671	2.98	31.09	-59.81	-28.05	-0.67	43.34	-53.89	-138.51	-117.64	-
74.76-36.48											
626 80	674	2.23	59.36	6.16	26.47	39.06	25.84	-20.81	-89.29	-85.15	-
24.94-16.30											
	757	1.92	-18.50	-47.76	-37.49	-28.77	13.96	-44.52	-184.13	-131.77	-
96.88-67.59											
	671	3.31	35.04	-63.14	-28.37	0.28	46.95	-61.60	-170.09	-143.26	-
88.44-46.81											
626 144	674	1.51	28.61	-15.44	13.33	-0.16	20.97	-4.33	-55.02	-54.18	-
5.18-6.49											
	757	1.44	-3.80	-36.22	-19.67	-20.36	16.21	-28.99	-116.25	-85.75	-
59.49-41.60											
	671	1.99	18.20	-44.83	-26.08	-0.54	28.81	-31.41	-95.23	-84.95	-
41.70-23.46											
626 158	674	2.70	-10.88	-81.03	-12.84	-79.07	11.56	38.68	1.70	7.25	
33.1313.20											
	757	1.45	29.11	-17.11	15.82	-3.81	20.92	21.19	-0.94	5.59	
14.6610.09											
	671	1.06	-0.42	-24.28	-22.04	-2.66	-6.95	65.93	15.24	30.66	
50.5123.32											
626 164	674	2.69	-11.08	-80.46	-12.95	-78.60	11.22	39.75	2.37	7.77	
34.35 13.15											
	757	1.44	29.10	-16.66	15.98	-3.54	20.69	22.09	-0.51	6.28	
15.2910.36											
	671	1.07	0.37	-24.04	-21.49	-2.18	-7.46	67.05	16.40	31.66	
51.7923.24											
626 174	674	2.94	-8.55	-85.18	-12.39	-81.34	16.72	16.48	-45.87	-45.82	
16.43 -1.78											
	757	1.84	33.70	-23.44	16.54	-6.28	26.19	-2.16	-47.77	-47.31	-
2.62-4.57											
	671	0.88	-4.68	-21.17	-20.93	-4.92	-1.96	35.08	-23.14	-21.93	
33.87 8.31											
626 211	674	2.83	-14.71	-84.39	-15.68	-83.42	8.17	68.19	13.88	30.92	
51.1525.21											
	757	1.72	29.60	-12.75	17.27	-0.42	19.24	86.12	14.50	49.49	
51.1435.80											
	671	1.51	3.14	-26.42	-19.55	-3.73	-12.49	113.22	36.65	69.47	
80.4037.89											
627 5	673	2.14	54.33	-16.25	41.92	-3.84	26.87	-1.57	-7.35	-2.31	-

6.60-1.93
756 2.16 35.51 -37.35 8.45 -10.29 35.21 -5.15 -24.15 -7.65 -
21.65-6.42
674 5.08 19.40 -134.27 8.17 -123.04 40.00 57.76 7.16 9.28
55.65 10.13
627 29 673 3.02 54.44 -33.07 46.45 -25.08 25.21 64.24 -13.47 53.69 -
2.9226.62
756 2.76 30.53 -49.76 13.05 -32.28 33.14 55.45 -24.11 48.47 -
17.1322.51
674 5.52 22.34 -150.36 13.46 -141.48 38.14 99.81 22.26 65.08
56.9838.56
627 119 673 2.22 41.54 -23.54 35.10 -17.11 19.43 42.42 -9.54 35.60 -
2.7217.54
756 2.03 23.59 -36.68 9.43 -22.52 25.55 35.80 -17.85 31.62 -
13.6714.38
674 4.13 16.79 -113.42 9.79 -106.42 29.36 70.61 17.21 44.34
43.4826.70
627 160 673 1.69 40.06 -14.13 31.76 -5.83 19.52 6.48 -5.69 6.04 -
5.262.26
756 1.60 25.02 -29.20 6.22 -10.40 25.80 2.31 -16.33 2.26 -
16.28-0.89
674 3.80 14.78 -101.62 6.86 -93.70 29.31 45.81 10.57 14.65
41.74 11.27
627 164 673 1.58 40.06 -11.91 31.05 -2.90 19.68 -0.95 -6.34 -1.45 -
5.84-1.56
756 1.58 25.78 -27.74 5.52 -7.48 25.96 -3.55 -18.54 -5.23 -
16.87-4.72
674 3.75 14.41 -99.03 6.15 -90.77 29.47 42.71 5.60 7.16
41.15 7.45
627 167 673 1.99 40.94 -20.15 33.68 -12.90 19.76 22.03 -11.89 19.32 -
9.179.21
756 1.84 24.36 -33.69 8.15 -17.48 26.05 16.54 -21.19 15.54 -
20.206.05
674 3.96 16.25 -108.23 8.78 -100.77 29.56 51.75 13.99 27.92
37.8218.22
627 211 673 1.77 39.31 -16.87 31.92 -9.48 18.99 13.45 -5.90 7.68 -
0.138.85
756 1.73 27.35 -28.73 6.84 -8.22 27.01 7.65 -22.92 6.66 -
21.935.41
674 4.22 12.74 -109.58 5.69 -102.54 28.50 87.57 12.38 19.84
80.1222.47
628 7 675 1.15 -1.33 -12.27 -1.35 -12.25 0.51 -29.52 -161.87 -158.59 -
32.81-20.59
676 1.03 0.84 -23.63 -9.51 -13.27 12.09 -11.04 -95.54 -94.98 -
11.60-6.81
591 1.61 13.69 -33.21 0.88 -20.40 20.90 -23.18 -98.00 -97.97 -
23.21-1.54
590 1.01 0.31 -23.51 0.28 -23.48 0.93 -17.39 -78.07 -73.09 -
22.37-16.65
628 95 675 3.41 3.69 -11.41 3.42 -11.15 1.98 423.00 -129.22 212.95
80.83-268.09
676 4.64 5.21 -22.13 -4.66 -12.25 13.13 512.03 -123.63 275.79
112.61-307.17
591 4.79 16.62 -32.37 3.56 -19.30 21.67 398.25 -199.89 127.39
70.97-297.74
590 3.30 3.40 -21.61 3.20 -21.41 2.23 369.06 -158.76 149.65
60.65-260.13
628 152 675 2.28 2.32 -8.79 2.16 -8.63 1.32 273.39 -96.05 126.66
50.68-180.77
676 3.15 3.47 -16.95 -3.99 -9.49 9.83 335.88 -87.44 174.54
73.89-205.59
591 3.31 12.31 -24.76 2.46 -14.91 16.37 259.37 -139.37 75.31
44.69-198.78
590 2.22 2.27 -16.51 2.16 -16.39 1.49 242.37 -112.05 92.44
37.88-175.10
628 163 675 0.82 -0.30 -8.85 -0.30 -8.85 0.19 18.64 -93.65 -66.01 -
9.00-48.37
676 1.07 0.61 -16.45 -6.01 -9.82 8.31 41.60 -54.71 -20.79
7.68-46.00
591 1.49 9.70 -23.87 1.04 -15.21 14.69 20.46 -69.88 -42.38 -

7.04-41.57											
	590	0.79	0.55	-15.75	0.55	-15.75	0.23	29.14	-62.68	-25.56	-
7.98-45.06											
628 164	675	0.83	-0.93	-8.96	-0.93	-8.96	-0.04	-21.50	-117.31	-114.79	-
24.02-15.33											
	676	0.72	-0.01	-16.52	-6.60	-9.94	8.08	-8.26	-70.46	-69.87	-
8.85-6.03											
	591	1.15	9.21	-23.85	0.69	-15.32	14.46	-19.61	-72.20	-72.11	-
19.70-2.18											
	590	0.69	0.16	-15.86	0.16	-15.86	-2.91e-03	-15.18	-58.94	-54.98	-
19.14-12.57											
628 190	675	1.61	-0.39	-8.87	-0.46	-8.80	0.75	129.50	-134.37	-15.72	
10.85-131.26											
	676	2.14	1.08	-17.02	-6.16	-9.78	8.87	166.95	-106.45	30.09	
30.41-136.70											
	591	2.48	10.16	-24.34	0.97	-15.16	15.25	132.29	-131.26	-10.80	
11.83-131.28											
	590	1.61	0.52	-15.74	0.48	-15.70	0.78	133.72	-120.26	5.44	
8.02-126.98											
628 215	675	1.08	-0.63	-9.75	-0.70	-9.69	0.78	101.08	-67.61	20.57	
12.90-84.26											
	676	2.19	-0.22	-17.83	-7.51	-10.54	8.67	107.20	-184.39	-78.85	
1.66-140.12											
	591	2.57	10.12	-24.82	0.36	-15.06	15.68	98.92	-172.34	-75.49	
2.07-129.97											
	590	1.14	0.78	-16.30	0.41	-15.94	2.48	86.82	-68.39	18.52	-
0.08-77.05											
629 15	676	1.21	-5.14	-14.36	-7.12	-12.39	3.78	-31.44	-166.74	-165.83	-
32.3511.06											
	677	1.48	-0.77	-28.36	-17.39	-11.74	13.50	-2.41	-89.06	-75.40	-
16.0631.57											
	592	2.35	16.58	-45.63	-11.00	-18.06	30.91	7.34	-79.16	-55.01	-
16.8138.80											
	591	1.19	-0.40	-26.96	-2.52	-24.85	7.19	-40.02	-129.84	-127.24	-
42.6115.05											
629 95	676	4.69	-1.30	-16.78	-4.80	-13.28	6.47	281.17	-454.04	-205.48	
32.60-347.80											
	677	5.01	1.03	-27.85	-14.93	-11.90	14.36	302.89	-429.25	-163.62	
37.27-352.02											
	592	6.07	22.06	-39.84	-2.19	-15.59	30.21	298.71	-443.05	-162.80	
18.46-359.63											
	591	4.99	7.09	-26.46	4.67	-24.04	8.67	272.48	-458.69	-199.34	
13.12-349.81											
629 152	676	3.19	-1.21	-12.86	-4.00	-10.07	4.97	183.75	-310.05	-146.86	
20.56-232.27											
	677	3.43	0.75	-21.51	-11.73	-9.03	11.05	199.62	-289.93	-114.56	
24.25-234.73											
	592	4.24	16.72	-30.74	-2.13	-11.90	23.22	196.27	-300.05	-114.18	
10.39-240.22											
	591	3.42	5.04	-20.22	3.15	-18.33	6.65	176.88	-313.26	-142.45	
6.07-233.55											
629 163	676	1.04	-2.22	-12.59	-5.50	-9.32	4.82	19.31	-110.65	-88.41	-
2.93-48.95											
	677	1.21	0.52	-21.80	-12.86	-8.42	10.93	27.93	-82.34	-55.65	
1.24-47.24											
	592	1.97	15.28	-31.21	-4.47	-11.46	22.98	22.91	-88.88	-56.45	-
9.52-50.73											
	591	1.32	2.86	-19.49	0.82	-17.46	6.43	9.90	-110.53	-85.57	-
15.06-48.81											
629 164	676	0.65	-2.38	-12.74	-5.98	-9.15	4.93	-8.63	-74.24	-74.09	-
8.77-3.05											
	677	0.89	0.55	-22.11	-13.32	-8.25	11.04	-4.44	-41.10	-41.10	-
4.44-0.33											
	592	1.42	15.15	-31.45	-5.01	-11.29	23.09	-13.93	-42.75	-42.33	-
14.35-3.46											
	591	0.90	2.44	-19.45	0.28	-17.28	6.54	-19.96	-71.82	-71.69	-
20.08-2.54											
629 196	676	1.94	-0.88	-12.29	-3.35	-9.81	4.70	95.88	-182.95	-98.78	
11.71-128.00											

	677	2.15	1.00	-20.73	-10.82	-8.91	10.82	108.54	-160.80	-66.67	14.41-128.42
	592	3.15	15.94	-30.70	-2.81	-11.95	22.87	119.55	-192.36	-73.90	1.09-151.38
	591	2.18	4.35	-19.74	2.56	-17.95	6.31	84.57	-190.49	-102.45	-3.47-128.31
629 219	676	1.60	-1.47	-12.97	-5.04	-9.40	5.33	100.01	-118.96	-30.38	11.43-107.47
	677	1.98	1.18	-22.20	-12.86	-8.17	11.45	76.54	-160.09	-80.53	-3.01-111.78
	592	2.75	16.21	-31.92	-4.32	-11.39	23.80	97.79	-140.05	-62.31	20.06-111.56
	591	1.87	3.82	-19.74	1.19	-17.11	7.43	90.25	-131.40	-47.16	6.01-107.59
630 15	677	1.31	-3.88	-24.17	-16.86	-11.19	9.74	-2.62	-89.94	-75.81	-16.7632.17
	678	1.61	-1.74	-35.81	-29.01	-8.54	13.62	36.14	-55.24	-11.87	-7.2345.63
	593	2.55	19.10	-47.01	-26.57	-1.35	30.56	64.53	-45.64	7.85	11.0455.06
	592	1.76	4.94	-35.48	-13.38	-17.15	20.12	7.94	-75.59	-51.99	-15.6737.61
630 95	677	4.82	-2.41	-23.48	-14.51	-11.38	10.42	202.80	-530.36	-294.14	-33.43-342.62
	678	4.40	-2.49	-32.00	-25.61	-8.88	12.16	226.38	-447.18	-245.91	25.11-308.31
	593	5.13	20.79	-36.22	-15.25	-0.19	27.49	260.51	-372.73	-146.86	34.65-303.33
	592	5.26	10.00	-28.77	-4.13	-14.64	18.66	257.05	-457.80	-209.09	8.33-340.49
630 152	677	3.27	-1.90	-18.21	-11.46	-8.64	8.03	133.09	-357.54	-201.49	-22.96-228.50
	678	2.99	-1.85	-24.84	-19.95	-6.73	9.40	149.70	-298.45	-164.78	16.04-205.02
	593	3.57	15.93	-28.12	-12.12	-0.07	21.19	173.33	-247.71	-97.16	22.78-201.80
	592	3.63	7.51	-22.24	-3.55	-11.18	14.38	168.85	-309.67	-144.53	3.71-227.49
630 163	677	1.03	-2.10	-18.85	-12.86	-8.09	8.02	15.54	-96.79	-72.53	-8.72-46.22
	678	1.07	-1.50	-25.81	-21.09	-6.21	9.61	22.66	-61.68	-38.00	-1.02-37.90
	593	1.70	15.48	-29.48	-14.25	0.25	21.28	32.53	-44.89	-15.00	2.63-37.69
	592	1.46	6.46	-22.78	-5.52	-10.80	14.38	19.27	-89.22	-59.50	-10.46-48.39
630 164	677	0.78	-2.06	-19.28	-13.40	-7.94	8.17	-5.08	-40.48	-40.47	-5.09-0.64
	678	0.91	-1.37	-26.32	-21.63	-6.06	9.75	-1.88	-9.70	-6.31	-5.273.87
	593	1.35	15.57	-29.85	-14.68	0.40	21.42	6.72	-3.48	5.59	-2.353.20
	592	0.93	6.42	-23.00	-5.93	-10.65	14.52	-13.32	-39.06	-38.52	-13.86-3.69
630 193	677	2.12	-2.32	-21.11	-16.21	-7.21	8.25	167.11	-118.04	41.18	7.88141.60
	678	2.14	-1.18	-28.57	-24.41	-5.34	9.83	171.33	-110.95	74.29	-13.91134.08
	593	2.76	15.52	-30.99	-16.59	1.12	21.50	158.26	-113.60	58.14	-13.48131.13
	592	2.45	5.78	-23.50	-7.79	-9.93	14.60	134.33	-140.46	15.14	-21.27136.18
630 213	677	1.78	-1.23	-18.63	-11.91	-7.95	8.47	78.91	-150.33	-69.88	-1.54-109.40
	678	1.68	-0.87	-25.64	-20.44	-6.07	10.09	60.97	-136.63	-67.12	-8.54-94.35
	593	2.33	16.48	-29.84	-13.65	0.29	22.09	109.73	-81.32	-20.37	48.79-89.05
	592	2.24	7.66	-23.06	-4.68	-10.73	15.06	100.49	-133.25	-52.81	

20.05-111.05											
631	15	678	1.42	-4.45	-32.60	-28.99	-8.06	9.41	36.53	-56.02	-11.69	-7.8146.23
		679	1.45	-5.25	-39.05	-37.59	-6.71	6.88	68.18	-45.97	22.31	-0.1055.96
		594	2.08	12.31	-41.48	-36.13	6.96	16.10	98.10	-31.35	37.11	29.6364.62
		593	1.91	8.71	-37.06	-27.90	-0.45	18.32	65.11	-43.58	8.95	12.5854.31
631	95	678	3.75	-4.07	-28.28	-25.74	-6.61	7.42	154.98	-446.45	-257.56	-33.92-279.15
		679	3.59	-5.09	-33.29	-32.79	-5.58	3.72	177.78	-352.91	-222.42	47.30-228.52
		594	3.08	12.04	-26.93	-23.23	8.35	11.42	222.78	-228.44	-87.99	82.34-208.92
		593	3.89	10.16	-24.21	-16.78	2.74	14.14	231.32	-322.59	-127.39	36.12-264.61
631	152	678	2.53	-3.17	-22.09	-20.08	-5.18	5.83	102.07	-297.83	-172.40	-23.36-185.54
		679	2.43	-3.97	-25.90	-25.47	-4.39	3.01	117.18	-232.41	-146.18	30.95-150.70
		594	2.11	9.21	-21.11	-18.20	6.31	8.92	148.64	-147.15	-54.45	55.94-137.21
		593	2.67	7.75	-19.00	-13.23	1.98	11.00	153.97	-213.99	-83.89	23.87-175.91
631	159	678	0.92	-3.44	-24.59	-22.05	-5.98	6.88	11.48	-24.12	-6.84	-5.8017.79
		679	0.97	-4.20	-28.75	-27.88	-5.07	4.55	34.28	-20.39	16.38	-2.5025.65
		594	1.24	9.12	-27.24	-23.59	5.48	10.92	53.67	-9.06	30.28	14.3330.33
		593	1.13	7.05	-24.50	-17.95	0.49	12.80	25.64	-14.97	7.36	3.3020.20
631	164	678	0.80	-3.44	-24.22	-21.85	-5.81	6.61	-1.21	-9.62	-5.20	-5.644.20
		679	0.95	-4.30	-27.78	-27.08	-5.00	3.99	21.65	-10.22	15.78	-4.3512.35
		594	1.04	8.86	-23.67	-20.38	5.57	9.80	39.27	0.19	31.60	7.8615.52
		593	0.87	7.31	-21.45	-15.26	1.13	11.81	9.03	-2.87	7.73	-1.583.70
631	189	678	1.77	-3.82	-27.37	-25.40	-5.80	6.53	184.54	-73.55	103.68	7.32119.71
		679	2.11	-4.41	-31.25	-30.67	-4.99	3.91	182.57	-82.16	121.61	-21.21111.45
		594	1.83	8.64	-25.29	-22.23	5.58	9.73	156.65	-84.49	88.48	-16.32108.59
		593	1.98	6.89	-22.81	-17.06	1.14	11.73	147.19	-92.65	67.62	-13.08112.93
631	216	678	1.57	-3.76	-25.07	-23.03	-5.79	6.26	130.12	-79.39	53.55	-2.82100.89
		679	1.61	-4.44	-28.47	-27.91	-5.00	3.62	136.86	-61.99	77.29	-2.4191.09
		594	1.56	8.37	-23.93	-21.12	5.56	9.11	97.86	-111.52	51.64	-65.3086.84
		593	1.78	6.63	-21.69	-16.27	1.21	11.14	94.57	-115.50	32.34	-53.2895.91
632	15	679	1.39	-6.41	-37.60	-37.40	-6.61	2.48	68.26	-46.88	21.59	-0.2156.53
		680	1.53	-8.42	-39.91	-39.90	-8.42	0.24	77.67	-42.86	27.54	7.2859.41
		595	1.45	-1.79	-36.11	-35.99	-1.91	2.07	99.71	-35.35	31.25	33.1167.52
		594	1.57	7.04	-36.56	-36.32	6.80	3.22	97.41	-31.28	36.63	29.5064.24
632	95	679	3.34	-5.52	-33.01	-32.91	-5.62	-1.64	156.85	-292.90	-187.59	51.55-190.45
		680	3.18	-6.96	-34.33	-33.68	-7.62	-4.19	157.59	-242.85	-179.23	93.98-146.38

	595	2.36	-0.47	-22.48	-21.78	-1.17	-3.85	187.53	-123.15	-63.27	
127.65-122.55											
	594	2.76	8.53	-23.58	-23.35	8.30	-2.70	199.07	-172.18	-59.98	
86.87-170.48											
632 152	679	2.28	-4.36	-25.59	-25.54	-4.41	-1.01	103.16	-192.35	-122.98	
33.79-125.25											
	680	2.18	-5.52	-26.54	-26.12	-5.94	-2.95	103.61	-158.22	-117.28	
62.67-95.09											
	595	1.60	-0.55	-17.53	-17.08	-0.99	-2.70	124.16	-76.65	-38.99	
86.51-78.38											
	594	1.88	6.41	-18.42	-18.28	6.27	-1.82	132.75	-109.57	-35.79	
58.97-111.51											
632 159	679	0.99	-4.97	-27.85	-27.79	-5.04	1.21	34.51	-20.98	16.05	-
2.5226.14											
	680	1.06	-6.47	-28.91	-28.90	-6.49	-0.57	41.98	-20.90	18.57	
2.5130.40											
	595	0.95	-1.54	-22.90	-22.90	-1.54	0.14	57.25	-16.29	23.95	
17.0236.61											
	594	1.07	5.44	-23.69	-23.65	5.41	1.01	53.70	-9.36	30.03	
14.3030.53											
632 164	679	0.95	-4.98	-27.06	-27.04	-5.00	0.67	21.95	-10.65	15.63	-
4.3312.89											
	680	0.98	-6.43	-27.58	-27.52	-6.50	-1.16	28.78	-12.06	16.58	
0.1418.70											
	595	0.82	-1.54	-19.30	-19.24	-1.59	-0.98	42.97	-8.54	23.88	
10.5624.88											
	594	0.98	5.54	-20.37	-20.37	5.54	-0.11	39.61	-0.28	31.45	
7.8916.09											
632 189	679	2.02	-5.06	-30.32	-30.30	-5.08	0.81	157.93	-74.84	105.56	-
22.4797.20											
	680	2.03	-6.54	-30.87	-30.82	-6.58	-1.02	147.49	-76.23	103.46	-
32.2088.95											
	595	1.62	-1.64	-20.87	-20.84	-1.67	-0.84	119.06	-83.06	65.49	-
29.4989.21											
	594	1.78	5.46	-21.94	-21.94	5.46	0.03	134.39	-76.14	76.08	-
17.8394.21											
632 216	679	1.71	-4.99	-27.87	-27.87	-4.99	0.30	135.39	-61.99	76.09	-
2.6990.49											
	680	1.63	-6.40	-28.11	-28.00	-6.50	-1.52	118.47	-52.01	68.96	-
2.5077.39											
	595	1.56	-1.49	-19.90	-19.75	-1.64	-1.62	71.62	-120.92	33.95	-
83.2476.39											
	594	1.80	5.55	-21.13	-21.11	5.53	-0.81	98.01	-112.74	50.86	-
65.6087.82											
633 15	680	1.63	-8.21	-39.83	-39.37	-8.67	-3.79	77.37	-43.78	25.94	
7.6559.88											
	681	1.38	-11.90	-39.44	-39.40	-11.93	1.00	69.24	-36.10	18.76	
14.3852.62											
	596	1.22	-19.31	-31.53	-30.70	-20.14	3.07	79.67	-44.13	5.96	
29.5860.77											
	595	1.86	-0.14	-38.45	-35.35	-3.24	-10.45	97.52	-36.97	28.82	
31.7367.23											
633 95	680	2.87	-7.06	-36.46	-33.49	-10.03	-8.86	147.84	-181.44	-135.84	
102.24-113.74											
	681	2.62	-12.38	-32.58	-31.73	-13.24	-4.07	167.45	-167.91	-141.95	
141.49-89.62											
	596	1.87	-13.14	-23.14	-14.86	-21.42	-3.77	182.10	-85.84	-66.61	
162.86-69.17											
	595	2.52	6.44	-31.51	-20.64	-4.43	-17.16	171.90	-79.76	-39.56	
131.70-92.20											
633 152	680	1.99	-5.53	-28.00	-25.95	-7.58	-6.47	97.16	-117.46	-88.53	
68.23-73.30											
	681	1.81	-9.53	-25.10	-24.58	-10.05	-2.78	111.27	-109.93	-93.80	
95.14-57.50											
	596	1.28	-10.64	-17.49	-11.80	-16.33	-2.57	120.99	-55.93	-44.77	
109.83-43.01											
	595	1.75	4.63	-24.16	-16.24	-3.28	-12.85	113.72	-48.10	-23.50	
89.13-58.09											
633 159	680	1.12	-6.10	-29.14	-28.54	-6.70	-3.67	41.60	-21.48	17.28	

2.8430.70											
	681	0.92	-9.17	-27.71	-27.71	-9.17	0.04	36.11	-18.05	9.80	
8.2627.07											
	596	0.70	-15.21	-18.48	-18.27	-15.43	0.82	42.04	-26.42	0.43	
15.1933.43											
	595	1.27	1.31	-26.14	-22.35	-2.49	-9.48	55.86	-17.85	21.80	
16.2136.75											
633 164	680	1.03	-5.88	-28.05	-27.21	-6.73	-4.24	28.21	-12.47	15.24	
0.5118.96											
	681	0.82	-9.15	-25.74	-25.72	-9.17	-0.52	23.01	-10.63	6.26	
6.1216.82											
	596	0.60	-14.07	-15.49	-14.18	-15.39	-0.37	27.35	-20.69	-2.75	
9.4123.24											
	595	1.14	2.74	-23.87	-18.64	-2.49	-10.58	41.69	-10.23	21.51	
9.94 25.31											
633 181	680	1.85	-5.20	-32.26	-31.52	-5.94	-4.42	107.86	-78.62	51.79	-
22.5685.50											
	681	1.56	-8.36	-30.06	-30.03	-8.39	-0.71	93.88	-78.49	41.26	-
25.8779.38											
	596	1.12	-14.42	-16.21	-16.03	-14.61	-0.55	78.13	-90.85	12.69	-
25.4282.31											
	595	1.90	3.18	-25.39	-20.50	-1.71	-10.76	103.46	-81.15	38.34	-
16.0388.21											
633 216	680	1.72	-5.77	-28.65	-27.69	-6.73	-4.60	116.63	-51.81	67.13	-
2.3176.73											
	681	1.28	-9.13	-25.91	-25.87	-9.17	-0.87	85.79	-39.51	47.99	-
1.7157.51											
	596	1.20	-13.88	-16.03	-14.51	-15.41	-0.98	24.73	-127.67	-1.94	-
101.0057.90											
	595	1.93	3.12	-24.81	-19.15	-2.53	-11.22	70.20	-122.86	31.32	-
83.9777.43											
634 15	681	1.45	-11.94	-39.07	-38.86	-12.15	-2.37	68.95	-36.46	17.76	
14.7252.68											
	682	1.52	-11.00	-45.34	-42.93	-13.40	8.77	55.86	-20.31	17.55	
18.0138.08											
	597	1.88	-9.49	-49.64	-30.63	-28.50	20.05	57.53	-32.05	-4.48	
29.9641.35											
	596	1.52	-16.61	-35.11	-29.95	-21.77	-8.30	76.50	-45.20	2.47	
28.8259.41											
634 73	681	1.96	-14.24	-28.57	-28.55	-14.26	-0.50	163.46	-113.77	-53.61	
103.30-114.27											
	682	2.27	-10.00	-35.88	-30.53	-15.35	10.48	181.21	-111.26	-53.23	
123.19-116.63											
	597	3.01	0.44	-42.85	-12.40	-30.01	19.77	185.22	-93.34	-40.01	
131.90-109.59											
	596	1.74	-8.56	-28.17	-12.99	-23.73	-8.20	164.14	-81.96	-31.75	
113.92-99.18											
634 141	681	1.37	-10.71	-22.48	-22.43	-10.75	-0.75	107.99	-73.30	-35.03	
69.72-73.98											
	682	1.56	-7.90	-27.62	-23.93	-11.59	7.69	121.04	-72.69	-34.99	
83.33-76.70											
	597	2.12	-0.27	-32.58	-9.99	-22.85	14.82	123.39	-62.53	-28.46	
89.32-71.93											
	596	1.20	-6.56	-21.91	-10.44	-18.03	-6.67	107.86	-52.63	-21.95	
77.17-63.11											
634 159	681	0.97	-8.99	-27.74	-27.39	-9.35	-2.57	35.63	-18.17	8.93	
8.5426.90											
	682	0.99	-8.58	-31.21	-29.54	-10.25	5.92	26.82	-7.69	7.98	
11.15 17.19											
	597	1.18	-5.77	-33.37	-17.53	-21.61	13.65	25.81	-18.98	-9.08	
15.9118.59											
	596	1.03	-9.21	-25.00	-17.55	-16.65	-7.88	39.87	-27.56	-2.49	
14.8032.59											
634 164	681	0.86	-8.77	-26.06	-25.47	-9.36	-3.14	22.34	-10.63	5.30	
6.4116.48											
	682	0.87	-8.66	-28.42	-26.88	-10.20	5.29	14.78	-1.93	3.76	
9.08 7.92											
	597	1.00	-4.14	-30.15	-12.91	-21.37	12.30	13.16	-16.09	-13.39	
10.45 8.48											

	596	0.95	-5.79	-24.14	-13.36	-16.57	-9.03	25.43	-22.12	-5.85
9.1622.56										
634 184	681	0.99	-10.30	-21.97	-21.94	-10.33	-0.55	60.63	-44.12	-22.39
38.90-42.47										
	682	1.21	-7.30	-27.20	-23.33	-11.17	7.88	72.64	-47.03	-22.85
48.46-48.05										
	597	1.70	-0.95	-32.69	-11.30	-22.34	14.88	73.03	-44.76	-24.08
52.34-44.81										
	596	0.88	-7.59	-21.72	-11.76	-17.54	-6.45	59.01	-32.18	-17.40
44.23-33.61										
634 213	681	1.08	-8.88	-25.80	-25.32	-9.36	-2.79	23.50	-45.42	-36.23
14.32-23.43										
	682	1.02	-8.49	-28.76	-27.06	-10.20	5.63	26.69	-34.76	-29.35
21.28-17.42										
	597	1.70	-3.46	-30.66	-12.76	-21.37	12.90	133.82	-8.62	-7.54
132.73-12.39										
	596	1.25	-6.19	-23.40	-13.03	-16.56	-8.42	120.87	-7.86	-6.57
119.59-12.78										
635 15	682	1.40	-12.32	-43.66	-42.64	-13.34	5.58	55.77	-20.13	17.74
17.9037.95										
	683	1.90	-6.19	-58.31	-53.17	-11.32	15.53	48.98	-0.36	31.91
16.7123.47										
	598	2.52	7.23	-65.67	-41.96	-16.47	34.15	53.32	3.73	20.07
36.9823.31										
	597	1.38	-20.22	-39.37	-31.52	-28.07	9.42	55.89	-29.50	-3.57
29.9739.26										
635 73	682	2.09	-11.62	-35.38	-31.88	-15.11	8.41	177.68	-95.88	-42.37
124.18-108.51										
	683	2.63	-4.09	-48.74	-39.87	-12.96	17.82	191.35	-81.54	-23.76
133.58-111.48										
	598	3.54	14.43	-54.07	-22.47	-17.18	34.15	210.07	-60.63	-1.28
150.73-112.00										
	597	2.50	-8.52	-34.29	-13.51	-29.29	10.19	182.42	-82.03	-32.27
132.66-103.35										
635 141	682	1.44	-9.15	-27.12	-24.84	-11.43	5.98	118.76	-62.49	-27.71
83.98-71.37										
	683	1.87	-3.43	-37.32	-30.98	-9.77	13.22	128.84	-52.51	-13.66
89.99-74.41										
	598	2.55	10.52	-41.20	-17.65	-13.02	25.76	142.39	-39.46	0.43
102.50-75.25										
	597	1.74	-7.20	-25.89	-10.77	-22.32	7.34	121.69	-55.03	-23.19
89.84-67.92										
635 162	682	0.82	-9.70	-26.87	-26.17	-10.41	3.41	26.42	-4.75	-2.27
23.94-8.44										
	683	1.27	-4.65	-36.35	-32.22	-8.78	10.67	33.71	0.26	10.35
23.62-15.35										
	598	1.68	7.46	-39.25	-19.74	-12.05	23.04	42.38	-2.01	7.81
32.56-18.43										
	597	0.85	-10.75	-23.37	-12.89	-21.23	4.73	27.71	-15.88	-14.47
26.31-7.70										
635 164	682	0.81	-9.69	-27.35	-26.89	-10.16	2.82	14.19	-1.21	3.99
8.99 7.28										
	683	1.23	-4.91	-36.57	-32.95	-8.53	10.08	16.40	7.02	16.36
7.07-0.64										
	598	1.49	6.89	-38.76	-20.08	-11.80	22.45	17.54	7.20	9.60
15.14-4.37										
	597	0.68	-11.42	-22.77	-13.22	-20.98	4.14	12.63	-14.68	-12.54
10.49 7.34										
635 184	682	1.12	-8.75	-26.74	-24.43	-11.06	6.02	72.02	-40.65	-17.31
48.68-45.66										
	683	1.61	-3.01	-36.87	-30.44	-9.43	13.28	82.16	-34.27	-4.14
52.03-50.99										
	598	2.22	10.00	-41.68	-18.98	-12.70	25.65	93.04	-28.14	2.44
62.46-52.64										
	597	1.34	-8.23	-25.83	-12.17	-21.88	7.34	72.86	-40.48	-20.20
52.58-43.44										
635 219	682	1.05	-9.62	-28.90	-28.36	-10.16	3.18	26.66	-32.76	-27.91
21.82-16.26										
	683	1.25	-4.88	-38.41	-34.77	-8.52	10.42	26.78	-14.28	-10.25

22.75-12.22											
	598	1.90	7.19	-39.91	-20.97	-11.76	23.09	147.17	18.33	19.71	
145.80-13.24											
	597	1.49	-11.46	-23.41	-13.89	-20.98	4.81	135.53	-6.91	-5.69	
134.31-13.13											
636 15	683	1.85	-8.03	-56.15	-53.39	-10.79	11.19	49.94	-0.39	33.42	
16.1323.63											
	684	2.55	-4.11	-71.31	-67.89	-7.53	14.77	56.79	8.83	52.09	
13.5414.26											
	599	2.69	14.71	-70.46	-58.37	2.62	29.72	66.46	35.37	54.20	
47.6215.20											
	598	1.97	-2.13	-56.12	-43.65	-14.59	22.75	54.58	7.76	24.20	
38.1422.35											
636 59	683	2.60	-3.54	-66.70	-58.61	-11.63	21.11	51.29	-51.74	9.08	-
9.53-50.67											
	684	3.24	-0.02	-79.73	-71.37	-8.37	24.41	72.16	-52.49	29.14	-
9.47-59.26											
	599	3.60	20.79	-75.73	-56.94	2.00	38.21	91.41	-28.01	44.21	
19.19-58.38											
	598	2.77	5.34	-63.97	-43.58	-15.06	31.58	60.82	-43.18	10.19	
7.44-51.98											
636 134	683	1.88	-3.27	-49.08	-43.51	-8.84	14.97	36.10	-33.12	8.45	-
5.47-33.90											
	684	2.36	-0.53	-58.95	-53.15	-6.33	17.47	51.55	-33.50	23.96	-
5.91-39.82											
	599	2.62	15.28	-55.61	-42.01	1.68	27.91	66.09	-15.29	35.19	
15.61-39.50											
	598	1.99	3.41	-46.68	-31.86	-11.42	22.86	43.12	-27.48	8.59	
7.06-35.29											
636 159	683	1.28	-6.32	-38.55	-36.67	-8.20	7.56	24.75	5.68	21.30	
9.13 7.34											
	684	1.77	-3.36	-48.63	-46.29	-5.70	10.01	36.99	5.83	36.60	
6.22 3.45											
	599	1.85	10.96	-45.30	-36.69	2.35	20.26	42.81	27.42	42.36	
27.87 2.61											
	598	1.19	-1.42	-35.78	-26.48	-10.73	15.27	24.25	13.07	15.70	
21.62 4.74											
636 164	683	1.18	-6.43	-35.00	-33.30	-8.13	6.76	18.01	6.55	17.93	
6.62-0.94											
	684	1.62	-3.51	-43.86	-41.76	-5.62	8.97	34.13	2.84	33.95	
3.01-2.30											
	599	1.69	10.72	-38.52	-30.42	2.61	18.26	43.69	20.34	42.86	
21.17-4.33											
	598	1.08	-1.12	-30.27	-21.04	-10.35	13.56	19.50	9.68	13.47	
15.71-4.78											
636 195	683	1.81	-5.01	-38.98	-36.13	-7.86	9.41	47.13	-77.65	35.92	-
66.43-35.69											
	684	2.29	-2.16	-47.77	-44.58	-5.35	11.63	64.43	-81.72	52.03	-
69.32-40.72											
	599	2.36	12.65	-41.94	-32.18	2.88	20.92	59.71	-70.24	44.34	-
54.87-41.97											
	598	1.65	0.97	-33.86	-22.81	-10.07	16.21	31.20	-77.26	14.97	-
61.03-38.69											
636 220	683	1.28	-6.28	-33.89	-32.02	-8.16	6.95	41.45	-11.64	40.11	-
10.308.33											
	684	1.78	-3.36	-43.04	-40.74	-5.66	9.27	55.22	-15.00	54.92	-
14.70-4.56											
	599	2.12	11.01	-38.69	-30.11	2.43	18.78	28.72	-114.35	28.35	-
113.99-7.18											
	598	1.30	-0.77	-30.33	-20.61	-10.49	13.88	-0.75	-118.04	-0.87	-
117.923.76											
637 15	684	2.50	-6.07	-69.32	-68.17	-7.23	8.46	58.38	8.00	53.18	
13.2015.34											
	685	2.77	-7.02	-77.95	-77.25	-7.73	7.03	54.06	11.30	51.49	
13.87 10.16											
	600	2.43	3.59	-66.33	-64.01	1.27	12.51	62.63	38.12	53.08	
47.67 11.95											
	599	2.37	7.39	-62.89	-59.15	3.65	15.77	67.91	36.57	55.84	
48.6315.25											

637	59	684	3.31	-2.73	-83.18	-78.55	-7.37	18.74	78.67	-50.41	39.95	-11.70-59.15
		685	3.45	-4.30	-89.29	-85.70	-7.88	17.09	78.84	-49.65	37.67	-8.48-59.96
		600	3.10	7.59	-71.58	-65.27	1.28	21.45	92.04	-24.34	47.92	19.79-56.46
		599	3.20	12.08	-70.17	-61.81	3.72	24.86	96.08	-25.64	51.40	19.04-58.67
637	134	684	2.40	-2.56	-61.04	-57.97	-5.63	13.05	56.05	-32.18	31.31	-7.44-39.64
		685	2.50	-3.72	-65.59	-63.27	-6.03	11.74	55.31	-31.34	29.22	-5.26-39.75
		600	2.22	5.24	-52.06	-47.87	1.04	14.92	65.15	-12.20	37.16	15.79-37.17
		599	2.31	8.65	-51.04	-45.32	2.93	17.57	69.34	-13.53	40.23	15.58-39.56
637	159	684	1.72	-4.83	-47.18	-46.53	-5.47	5.18	38.13	5.37	37.57	5.93 4.25
		685	1.86	-5.56	-52.16	-51.84	-5.87	3.83	35.27	5.64	34.62	6.29 4.34
		600	1.56	2.33	-40.95	-39.85	1.23	6.82	42.21	24.60	39.86	26.95 5.98
		599	1.58	5.25	-39.33	-37.21	3.13	9.49	44.58	27.86	43.95	28.49 3.17
637	164	684	1.57	-4.94	-42.49	-42.02	-5.40	4.16	35.10	2.63	35.03	2.70 -1.52
		685	1.65	-5.65	-46.21	-46.04	-5.82	2.62	30.90	2.85	30.80	2.95 1.68
		600	1.33	2.05	-33.30	-32.67	1.42	4.68	39.74	18.90	39.12	19.51 3.53
		599	1.39	4.93	-32.43	-30.87	3.37	7.47	45.19	21.18	44.71	21.66-3.37
637	195	684	2.23	-4.51	-47.27	-46.10	-5.69	6.99	65.97	-85.24	51.39	-70.66-44.63
		685	2.28	-5.44	-50.71	-50.04	-6.10	5.45	64.17	-82.31	47.91	-66.06-46.01
		600	1.91	2.64	-36.47	-34.97	1.14	7.51	58.06	-69.07	41.84	-52.85-42.42
		599	2.04	5.80	-35.95	-33.24	3.08	10.30	64.40	-71.83	47.59	-55.01-44.81
637	220	684	1.73	-4.89	-41.55	-41.00	-5.44	4.46	56.31	-15.30	56.00	-15.00-4.67
		685	1.86	-5.62	-45.65	-45.42	-5.85	3.03	57.62	-15.48	55.09	-12.95-13.36
		600	1.84	2.10	-33.44	-32.59	1.25	5.42	27.16	-112.18	26.46	-111.48-9.86
		599	1.89	4.97	-32.36	-30.56	3.18	7.99	30.39	-113.69	30.21	-113.51-5.04
638	15	685	2.73	-8.15	-76.89	-76.84	-8.20	1.86	53.11	11.19	49.98	14.31 11.01
		686	2.72	-11.06	-81.11	-80.69	-11.47	5.39	33.94	17.37	33.78	17.53 1.61
		601	1.94	-15.02	-61.82	-60.17	-16.67	8.63	40.70	21.57	23.44	38.84 5.67
		600	2.31	0.04	-63.20	-63.20	0.04	-0.37	60.45	36.47	50.73	46.18 11.77
638	59	685	3.55	-6.04	-93.50	-91.89	-7.64	11.73	107.87	-11.85	65.20	30.81-57.34
		686	3.56	-8.27	-96.75	-94.10	-10.92	15.09	101.00	-21.81	45.88	33.30-61.08
		601	2.61	-10.45	-69.72	-64.25	-15.92	17.15	94.70	-17.85	28.15	48.71-55.33
		600	2.76	1.77	-69.41	-68.43	0.78	8.31	113.74	4.42	60.63	57.53-54.63
638	134	685	2.57	-4.98	-68.29	-67.35	-5.92	7.65	74.34	-5.99	47.37	20.98-37.94
		686	2.55	-6.77	-70.54	-68.87	-8.45	10.20	68.54	-13.35	32.10	23.08-40.69
		601	1.83	-8.70	-50.14	-46.58	-12.26	11.61	63.87	-10.21	19.56	

34.10-36.32										
	600	1.98	1.05	-50.36	-49.90	0.59	4.84	79.01	7.13	45.29
40.85-35.87										
638 159	685	1.83	-6.23	-51.50	-51.50	-6.23	-0.12	34.10	5.76	33.22
6.63 4.90										
	686	1.74	-8.63	-53.09	-52.96	-8.76	2.41	17.75	9.53	17.70
9.58 0.66										
	601	1.12	-12.00	-36.54	-36.00	-12.54	3.61	21.62	9.42	11.19
19.85 4.30										
	600	1.51	0.55	-39.53	-39.28	0.30	-3.13	40.34	23.27	37.59
26.02 6.28										
638 164	685	1.62	-6.13	-45.73	-45.68	-6.18	-1.30	29.41	3.10	29.23
3.28 2.17										
	686	1.47	-8.68	-46.03	-46.00	-8.71	1.08	11.37	6.59	11.36
6.60 0.22										
	601	0.85	-12.22	-28.24	-28.13	-12.33	1.30	14.34	3.80	5.97
12.18 4.26										
	600	1.31	1.36	-32.99	-32.15	0.51	-5.31	37.42	17.83	36.50
18.75 4.15										
638 195	685	2.27	-5.58	-51.10	-51.05	-5.64	1.55	71.11	-80.41	51.99
61.28-50.32										
	686	2.17	-7.82	-51.63	-51.27	-8.17	3.93	62.74	-79.77	35.02
52.05-56.41										
	601	1.37	-10.93	-32.02	-31.17	-11.79	4.15	40.47	-77.09	13.09
49.71-49.68										
	600	1.72	1.22	-35.44	-35.27	1.05	-2.45	62.19	-67.85	43.40
49.06-45.72										
638 220	685	1.82	-6.18	-45.08	-45.06	-6.21	-0.90	58.68	-14.93	56.04
12.29-13.69										
	686	1.76	-8.67	-45.86	-45.79	-8.73	1.55	56.70	-18.00	44.32
5.62-27.78										
	601	1.19	-12.13	-28.61	-28.32	-12.42	2.17	3.59	-113.30	0.01
109.72-20.13										
	600	1.76	0.98	-32.71	-32.08	0.35	-4.57	27.17	-111.93	26.65
111.42-8.46										
639 15	686	2.68	-11.77	-80.53	-80.49	-11.81	1.71	32.86	17.74	32.58
18.02 2.01										
	687	2.94	-11.81	-89.54	-87.24	-14.11	13.17	34.53	6.34	20.41
20.46-14.10										
	602	2.27	-16.99	-71.80	-57.59	-31.20	24.02	37.59	-6.71	-3.08
33.95-12.16										
	601	1.83	-18.31	-58.81	-58.59	-18.53	-2.97	39.16	18.55	19.76
37.95 4.85										
639 59	686	3.68	-9.71	-101.05	-99.74	-11.02	10.83	105.21	-10.40	58.84
35.98-56.66										
	687	4.05	-8.25	-109.95	-104.86	-13.33	22.17	107.60	-24.01	44.62
38.97-65.75										
	602	3.19	-11.20	-83.01	-63.89	-30.32	31.75	91.72	-40.80	6.23
44.68-63.41										
	601	2.29	-17.04	-66.50	-66.01	-17.54	4.92	93.56	-12.27	32.28
49.00-52.25										
639 134	686	2.63	-7.79	-73.34	-72.59	-8.54	6.99	71.30	-5.82	40.57
24.91-37.76										
	687	2.89	-6.78	-79.86	-76.32	-10.32	15.69	73.25	-16.71	29.29
27.24-44.97										
	602	2.27	-9.14	-60.10	-45.87	-23.38	22.86	61.76	-29.68	1.30
30.78-43.28										
	601	1.60	-13.38	-47.77	-47.62	-13.52	2.25	62.88	-6.78	21.87
34.23-34.28										
639 159	686	1.71	-9.02	-52.74	-52.73	-9.02	-0.41	16.64	9.87	16.56
9.95 0.73										
	687	1.83	-9.35	-57.80	-56.34	-10.81	8.27	18.73	-1.68	4.88
12.16-9.53										
	602	1.37	-12.56	-44.40	-33.12	-23.84	15.23	17.79	-15.41	-13.17
15.55-8.33										
	601	1.11	-12.68	-36.20	-34.92	-13.97	-5.35	20.54	6.79	8.06
19.28 3.97										
639 164	686	1.45	-8.89	-45.79	-45.71	-8.97	-1.73	10.06	6.95	10.05
6.96 0.11										

	687	1.53	-9.56	-49.33	-48.11	-10.77	6.84	13.69	-7.65	-3.39	
9.43-8.53											
	602	1.13	-11.40	-36.89	-24.57	-23.72	12.74	9.33	-23.28	-21.43	
7.48-7.54											
	601	0.94	-10.25	-30.66	-27.15	-13.75	-7.70	13.30	0.98	2.59	
11.69 4.15											
639 195	686	2.13	-7.99	-52.33	-52.24	-8.07	-1.93	71.35	-81.57	40.55	-
50.76-61.33											
	687	2.34	-8.91	-55.55	-54.58	-9.87	6.65	76.82	-86.98	28.67	-
38.82-74.62											
	602	1.71	-12.74	-38.43	-28.36	-22.82	12.54	45.32	-98.40	-8.77	-
44.31-69.63											
	601	1.38	-9.90	-33.97	-31.01	-12.86	-7.90	44.42	-79.88	14.09	-
49.55-53.38											
639 219	686	1.70	-8.89	-48.37	-48.31	-8.95	-1.61	33.42	-36.87	-22.66	
19.2128.23											
	687	2.04	-9.60	-51.97	-50.81	-10.76	6.93	32.42	-59.44	-44.33	
17.3134.06											
	602	1.49	-11.88	-37.75	-25.98	-23.66	12.88	123.73	-28.12	-21.79	
117.4030.35											
	601	1.43	-10.54	-31.64	-28.52	-13.66	-7.48	139.73	2.85	8.69	
133.8927.67											
640 15	687	2.89	-12.85	-88.68	-87.32	-14.21	10.07	34.73	6.16	20.28	
20.62-14.28											
	688	3.71	-7.35	-107.27	-101.62	-13.00	23.09	52.17	-10.22	23.82	
18.12-31.07											
	603	3.52	3.34	-93.71	-65.67	-24.70	43.99	60.31	-15.63	6.66	
38.03-34.58											
	602	1.91	-25.84	-62.86	-57.08	-31.62	13.44	38.78	-8.78	-4.01	
34.01-14.29											
640 37	687	3.80	-8.69	-113.51	-108.90	-13.30	21.49	78.17	10.21	53.55	
34.8332.67											
	688	5.00	-2.17	-131.49	-121.55	-12.11	34.45	114.37	-24.04	57.65	
32.67-68.07											
	603	3.82	10.90	-108.15	-73.53	-23.73	54.07	44.90	19.28	20.76	
43.41 5.99											
	602	2.56	-18.78	-77.73	-65.89	-30.61	23.62	60.49	-11.21	9.46	
39.8232.48											
640 123	687	2.72	-7.21	-82.10	-79.00	-10.31	14.92	51.09	8.61	35.21	
24.4920.56											
	688	3.60	-2.23	-95.69	-88.51	-9.40	24.88	79.17	-17.94	38.42	
22.81-47.92											
	603	2.79	7.74	-79.01	-52.93	-18.33	39.77	30.20	12.02	12.06	
30.16 0.86											
	602	1.80	-15.24	-55.57	-47.18	-23.62	16.36	39.24	-8.38	3.32	
27.5320.50											
640 159	687	1.79	-10.14	-57.07	-56.32	-10.89	5.87	19.15	-2.18	4.69	
12.28-9.97											
	688	2.37	-5.80	-69.83	-65.64	-9.98	15.82	30.33	-12.05	7.87	
10.41-21.15											
	603	2.32	3.33	-60.76	-38.54	-18.90	30.50	33.67	-21.15	-5.34	
17.86-24.83											
	602	1.09	-20.19	-36.85	-32.86	-24.18	7.11	18.42	-16.87	-14.00	
15.54-9.65											
640 164	687	1.51	-10.33	-48.55	-48.03	-10.85	4.44	14.26	-8.36	-3.65	
9.55-9.18											
	688	2.00	-5.87	-60.17	-56.07	-9.97	14.34	23.25	-15.67	-0.13	
7.71-19.06											
	603	2.05	4.35	-52.55	-29.37	-18.82	27.96	23.94	-28.14	-13.35	
9.15-23.48											
	602	0.89	-19.59	-28.89	-24.41	-24.07	4.65	9.74	-24.67	-22.35	
7.43-8.62											
640 191	687	2.32	-9.40	-55.92	-55.46	-9.86	4.61	77.92	-80.52	35.78	-
38.38-70.00											
	688	3.04	-5.35	-67.11	-63.49	-8.97	14.51	108.14	-96.31	41.17	-
29.34-95.95											
	603	2.82	3.45	-55.00	-33.72	-17.83	28.12	75.61	-102.00	5.37	-
31.76-86.84											
	602	1.30	-20.33	-31.51	-28.76	-23.08	4.82	43.00	-92.70	-5.30	-
44.39-64.98											

640 220	687	1.93	-10.22	-48.94	-48.30	-10.86	4.95	76.25	-36.14	38.11	
2.01-53.22											
	688	2.74	-5.65	-61.19	-56.86	-9.99	14.90	111.68	-55.09	51.30	
5.29-80.15											
	603	2.75	4.96	-54.04	-30.16	-18.92	28.96	44.88	-131.02	-3.62	-
82.52-78.60											
	602	1.32	-18.92	-30.11	-24.90	-24.13	5.59	-0.25	-122.69	-21.34	-
101.60-46.23											
641 15	688	3.65	-8.60	-106.26	-102.08	-12.78	19.77	52.90	-9.82	25.15	
17.93-31.15											
	689	4.54	-3.37	-126.86	-121.19	-9.04	25.85	64.32	-19.05	34.82	
10.45-39.86											
	604	4.26	18.73	-103.25	-80.39	-4.14	47.61	87.87	-2.31	38.46	
47.10-44.88											
	603	3.05	-5.57	-84.24	-66.63	-23.18	32.79	63.38	-14.07	10.39	
38.92-36.00											
641 81	688	5.35	-7.51	-111.06	-104.24	-14.32	25.68	110.55	-212.51	-168.48	
66.51110.85											
	689	6.09	-2.16	-129.79	-121.37	-10.58	31.69	103.83	-228.71	-161.82	
36.93133.30											
	604	5.11	25.38	-93.62	-62.66	-5.58	52.21	137.78	-131.04	-67.16	
73.91114.42											
	603	3.89	2.42	-76.43	-49.31	-24.69	37.46	132.48	-131.04	-93.00	
94.4492.61											
641 145	688	3.80	-5.94	-81.92	-77.01	-10.85	18.69	72.82	-139.67	-112.19	
45.3471.30											
	689	4.34	-1.81	-96.13	-89.97	-7.97	23.30	67.38	-148.38	-105.93	
24.9485.77											
	604	3.65	18.85	-69.99	-47.02	-4.11	38.89	90.85	-81.77	-42.23	
51.3172.54											
	603	2.75	1.14	-56.87	-36.91	-18.82	27.56	87.00	-86.14	-63.36	
64.2258.53											
641 159	688	2.32	-6.82	-68.93	-65.96	-9.80	13.26	31.00	-11.85	8.91	
10.24-21.42											
	689	2.96	-2.73	-83.09	-78.90	-6.91	17.86	39.86	-15.15	19.90	
4.82-26.45											
	604	2.83	14.37	-66.52	-49.11	-3.04	33.25	54.86	-6.85	23.63	
24.38-30.86											
	603	1.92	-4.12	-52.98	-39.34	-17.76	21.92	35.68	-19.66	-2.32	
18.34-25.67											
641 164	688	1.95	-6.97	-59.15	-56.34	-9.78	11.78	23.97	-15.52	0.93	
7.52-19.47											
	689	2.55	-2.79	-72.03	-67.94	-6.88	16.32	32.52	-15.53	14.63	
2.35-23.23											
	604	2.49	14.52	-56.83	-39.38	-2.93	30.67	45.31	-10.91	19.08	
15.32-28.05											
	603	1.63	-3.59	-44.34	-30.23	-17.70	19.39	25.68	-26.42	-10.22	
9.47-24.12											
641 191	688	3.07	-6.72	-67.26	-64.85	-9.13	11.83	119.76	-99.42	49.13	-
28.79-102.43											
	689	3.71	-2.60	-80.08	-76.45	-6.23	16.37	142.46	-98.72	65.11	-
21.37-112.57											
	604	3.54	13.97	-60.36	-44.12	-2.28	30.72	131.40	-99.62	44.22	-
12.44-111.98											
	603	2.55	-4.60	-47.41	-34.95	-17.05	19.44	94.97	-113.20	12.77	-
31.00-101.76											
641 220	688	2.67	-6.78	-60.15	-57.13	-9.79	12.33	114.02	-55.82	52.92	
5.28-81.51											
	689	3.45	-2.62	-73.63	-69.31	-6.93	16.96	147.99	-70.89	72.84	
4.27-103.93											
	604	3.49	15.08	-58.67	-40.46	-3.13	31.80	103.61	-121.54	37.39	-
55.32-102.59											
	603	2.32	-2.97	-45.85	-31.02	-17.80	20.40	47.54	-129.79	-0.18	-
82.07-78.65											
642 15	689	4.48	-4.61	-125.90	-121.81	-8.69	21.89	65.64	-18.21	37.20	
10.23-39.70											
	690	4.92	-3.34	-140.88	-138.22	-6.00	18.95	49.85	-24.66	26.43	-
1.25-34.59											
	605	4.12	20.33	-99.95	-90.34	10.72	32.62	91.99	6.25	49.58	

48.66-42.87											
	604	3.79	10.65	-94.70	-81.11	-2.95	35.31	90.76	-0.39	41.39	
48.97-45.42											
642 81	689	6.39	-2.07	-132.15	-126.06	-8.16	27.47	126.35	-263.43	-176.15	
39.06162.49											
	690	6.82	-1.07	-144.76	-140.53	-5.30	24.30	101.28	-324.21	-185.77	-
37.16199.35											
	605	5.57	23.98	-98.67	-86.28	11.59	36.96	156.49	-215.61	-73.10	
13.98180.88											
	604	5.20	14.61	-94.88	-77.90	-2.36	39.63	161.85	-167.90	-80.99	
74.94145.28											
642 145	689	4.53	-1.90	-97.58	-93.16	-6.32	20.09	82.37	-171.29	-115.25	
26.33105.24											
	690	4.84	-1.08	-107.08	-104.07	-4.10	17.61	65.85	-212.27	-121.16	-
25.27130.54											
	605	3.93	17.98	-72.72	-63.66	8.92	27.20	104.98	-136.93	-43.79	
11.83117.71											
	604	3.66	10.72	-69.84	-57.26	-1.86	29.25	107.01	-106.00	-51.12	
52.1393.15											
642 159	689	2.91	-3.74	-82.25	-79.34	-6.65	14.84	40.85	-14.54	21.68	
4.63-26.35											
	690	3.22	-2.66	-91.93	-90.19	-4.40	12.33	33.25	-15.51	20.24	-
2.50-21.57											
	605	2.68	15.27	-62.81	-56.19	8.65	21.74	59.27	5.18	37.55	
26.90-26.52											
	604	2.44	7.68	-59.54	-49.68	-2.18	23.78	56.62	-5.08	26.01	
25.53-30.85											
642 164	689	2.50	-3.88	-71.11	-68.36	-6.62	13.31	33.49	-14.96	16.38	
2.15-23.16											
	690	2.80	-2.73	-79.35	-77.85	-4.23	10.61	29.61	-13.11	20.17	-
3.68-17.72											
	605	2.31	14.99	-52.05	-46.02	8.96	19.18	51.40	4.55	37.10	
18.85-21.57											
	604	2.08	7.38	-49.45	-39.96	-2.11	21.20	46.75	-8.95	21.56	
16.24-27.72											
642 191	689	3.69	-4.40	-80.42	-77.96	-6.86	13.46	148.78	-104.16	66.99	-
22.36-118.32											
	690	3.93	-3.10	-88.83	-87.46	-4.47	10.76	155.03	-100.10	72.69	-
17.76-119.27											
	605	3.38	14.42	-56.82	-51.12	8.72	19.33	156.43	-88.64	66.01	
1.78-118.25											
	604	3.17	6.50	-53.88	-45.04	-2.35	21.35	140.34	-103.40	48.63	-
11.69-118.08											
642 220	689	3.38	-3.72	-72.67	-69.73	-6.66	13.94	151.01	-70.87	75.77	
4.37-105.04											
	690	3.67	-2.65	-81.57	-79.89	-4.33	11.41	157.98	-86.62	72.35	-
0.98-116.68											
	605	3.38	15.33	-54.12	-47.41	8.62	20.52	137.57	-109.37	57.95	-
29.74-115.42											
	604	3.05	7.89	-51.24	-41.05	-2.31	22.33	105.60	-119.11	40.59	-
54.10-101.90											
643 15	690	4.89	-3.98	-140.25	-138.70	-5.53	14.44	51.31	-23.81	28.68	-
1.18-34.46											
	691	4.90	-7.40	-146.60	-146.02	-7.98	8.95	-7.45	-39.56	-30.33	-
16.68-14.54											
	606	3.25	10.43	-90.09	-89.27	9.61	9.06	46.73	-7.40	13.23	
26.10-26.29											
	605	3.77	14.91	-94.46	-90.62	11.07	20.12	94.25	6.65	51.44	
49.46-43.79											
643 81	690	6.66	-2.40	-146.92	-144.45	-4.87	18.73	138.51	-317.07	-143.09	-
35.47221.34											
	691	7.08	-5.62	-151.28	-150.21	-6.69	12.43	146.82	-388.90	-192.80	-
49.28258.07											
	606	5.14	12.99	-88.34	-86.80	11.45	12.38	196.49	-300.33	-99.12	-
4.72243.89											
	605	5.22	17.11	-93.06	-87.88	11.92	23.33	185.39	-238.16	-65.07	
12.30208.21											
643 145	690	4.73	-2.05	-108.45	-106.72	-3.78	13.46	90.86	-207.56	-92.56	-
24.14145.23											

	691	5.02	-4.40	-111.58	-110.91	-5.08	8.48	96.30	-259.21	-128.86	-34.05171.32
	606	3.59	9.92	-64.92	-63.96	8.96	8.42	131.73	-196.91	-63.35	-1.83161.42
	605	3.65	12.82	-68.40	-64.75	9.17	16.82	124.37	-151.91	-38.30	10.77135.94
643 159	690	3.19	-3.18	-91.42	-90.50	-4.09	8.92	34.11	-14.97	21.61	-2.48-21.38
	691	3.11	-5.13	-94.60	-94.44	-5.29	3.81	-3.13	-19.02	-11.50	-10.65-7.93
	606	2.10	9.06	-55.88	-55.66	8.85	3.72	28.94	1.37	16.02	14.29-13.76
	605	2.42	11.07	-58.57	-56.40	8.89	12.11	60.44	5.70	38.72	27.41-26.78
643 164	690	2.76	-3.27	-78.83	-78.13	-3.97	7.24	30.25	-12.66	21.27	-3.67-17.46
	691	2.63	-4.61	-80.79	-80.76	-4.64	1.46	0.63	-12.07	-2.46	-8.98-5.45
	606	1.82	9.99	-45.74	-45.72	9.96	1.23	25.46	4.88	20.49	9.86-8.81
	605	2.05	10.77	-47.81	-46.21	9.18	9.53	52.14	5.21	38.08	19.28-21.50
643 184	690	3.67	-2.57	-93.40	-91.95	-4.01	11.38	46.13	-114.33	-54.78	-13.4277.52
	691	3.86	-4.33	-94.96	-94.62	-4.68	5.59	58.13	-157.21	-79.30	-19.78103.48
	606	2.54	10.38	-52.73	-52.27	9.92	5.36	77.57	-106.72	-31.27	2.1390.62
	605	2.62	12.02	-55.62	-52.74	9.14	13.67	71.63	-73.28	-12.89	11.2471.44
643 220	690	3.61	-3.22	-81.00	-80.16	-4.06	8.04	161.62	-86.36	75.78	-0.52-117.98
	691	3.18	-4.81	-83.65	-83.57	-4.90	2.60	114.23	-115.95	11.40	-13.13-114.43
	606	2.50	9.50	-47.42	-47.29	9.36	2.80	119.30	-114.54	25.45	-20.69-114.62
	605	3.00	10.86	-49.64	-47.61	8.84	10.88	139.46	-108.01	60.30	-28.85-115.43
644 15	691	4.93	-6.20	-146.67	-146.57	-6.29	3.63	-7.06	-37.55	-28.71	-15.90-13.83
	692	5.31	-21.12	-140.50	-139.93	-21.69	8.23	-31.83	-154.97	-152.72	-34.0816.49
	607	2.90	-6.06	-74.88	-70.94	-10.00	-15.99	-17.68	-97.51	-95.14	-20.0513.55
	606	3.19	9.28	-89.98	-89.93	9.23	-2.27	46.21	-8.05	14.48	23.67-26.74
644 37	691	6.65	-10.09	-187.29	-185.50	-11.89	17.74	-21.46	-102.07	-91.63	-31.9027.06
	692	7.02	-22.49	-181.78	-179.20	-25.07	20.12	-24.68	-213.64	-194.87	-43.4556.52
	607	3.42	-13.00	-83.85	-83.81	-13.04	-1.61	-3.98	-153.24	-127.90	-29.3156.04
	606	3.82	5.86	-100.45	-99.23	4.64	11.35	39.14	-35.74	-31.01	34.4118.22
644 123	691	4.77	-7.40	-135.50	-134.46	-8.44	11.51	-15.79	-68.05	-61.43	-22.4117.39
	692	5.02	-16.75	-130.84	-129.34	-18.24	12.99	-18.23	-150.08	-137.58	-30.7438.63
	607	2.45	-8.72	-60.88	-60.67	-8.94	-3.34	-3.77	-107.67	-90.51	-20.9338.58
	606	2.74	4.97	-72.85	-72.30	4.42	6.52	26.81	-20.63	-17.91	24.09 11.03
644 159	691	3.13	-4.30	-94.72	-94.72	-4.30	-0.14	-3.19	-17.99	-11.01	-10.16-7.39
	692	3.26	-13.72	-88.64	-88.62	-13.73	0.97	-17.50	-84.87	-83.49	-18.889.54
	607	1.88	0.63	-49.02	-44.02	-4.37	-14.94	-10.41	-56.16	-53.99	-12.589.72
	606	2.10	9.15	-56.52	-56.10	8.73	-5.21	28.46	0.88	16.56	

12.78-13.66											
644	164	691	2.65	-3.81	-81.01	-80.94	-3.88	-2.38	0.20	-11.32	-2.54	-
8.58-4.90												
		692	2.65	-11.32	-74.24	-74.09	-11.48	-3.12	-12.15	-58.62	-57.50	-
13.277.13												
		607	1.65	5.17	-42.95	-35.96	-1.82	-16.96	-7.74	-41.98	-39.31	-
10.419.18												
		606	1.86	11.07	-47.18	-46.10	9.99	-7.87	24.98	4.35	20.70	
8.63-8.37												
644	171	691	3.62	-6.30	-104.26	-104.12	-6.44	3.69	-11.73	-58.81	-47.47	-
23.06-20.13												
		692	3.67	-13.92	-97.89	-97.79	-14.03	2.95	-25.60	-102.37	-102.25	-
25.72-3.01												
		607	1.94	-1.66	-48.08	-45.36	-4.37	-10.89	-19.55	-67.06	-67.05	-
19.55-0.34												
		606	2.08	7.49	-55.04	-54.98	7.43	-1.80	24.77	-23.50	-7.34	
8.62-22.78												
644	220	691	3.14	-4.06	-83.79	-83.77	-4.08	-1.26	118.72	-115.34	15.52	-
12.14-116.21												
		692	3.49	-12.22	-77.62	-77.60	-12.25	-1.30	12.93	-199.83	-149.78	-
37.12-90.24												
		607	2.53	3.00	-43.13	-37.29	-2.85	-15.35	27.76	-151.22	-90.14	-
33.32-84.86												
		606	2.26	10.03	-48.39	-47.71	9.35	-6.25	120.57	-114.74	27.50	-
21.66-115.06												
645	15	692	5.14	-26.48	-135.36	-135.23	-26.61	3.76	-26.73	-163.11	-161.19	-
28.6616.09												
		693	4.93	-38.94	-105.27	-105.08	-39.13	3.57	-46.69	-307.90	-295.49	-
59.1055.57												
		608	3.11	-2.42	-70.73	-40.17	-32.98	-33.97	-57.71	-280.93	-272.70	-
65.9442.08												
		607	3.16	-0.04	-82.08	-71.36	-10.76	-27.66	-19.16	-109.80	-104.93	-
24.0320.44												
645	59	692	7.04	-30.57	-166.45	-165.61	-31.41	10.67	-47.92	-312.73	-302.80	-
57.8650.32												
		693	6.78	-41.89	-138.79	-137.51	-43.17	11.06	-45.58	-430.33	-407.75	-
68.1590.42												
		608	3.42	-21.69	-69.18	-51.62	-39.24	-22.93	-37.10	-358.08	-331.29	-
63.8988.79												
		607	3.59	-10.80	-84.37	-79.53	-15.64	-18.25	-18.69	-210.80	-188.25	-
41.2461.84												
645	134	692	5.02	-22.37	-120.39	-119.99	-22.77	6.22	-33.32	-216.82	-210.08	-
40.0534.51												
		693	4.80	-31.05	-99.32	-98.67	-31.70	6.61	-33.26	-302.24	-287.11	-
48.3861.97												
		608	2.48	-13.54	-52.32	-36.84	-29.02	-18.99	-28.80	-255.91	-238.44	-
46.2660.51												
		607	2.61	-5.94	-62.55	-57.83	-10.65	-15.64	-13.51	-146.97	-131.39	-
29.0842.86												
645	159	692	3.17	-16.56	-85.91	-85.82	-16.65	-2.56	-14.64	-89.86	-88.65	-
15.849.45												
		693	2.87	-25.35	-64.87	-64.77	-25.45	-2.07	-27.39	-168.28	-163.42	-
32.2425.69												
		608	2.12	3.64	-50.52	-23.72	-23.15	-27.08	-34.64	-168.58	-165.64	-
37.5819.61												
		607	2.15	6.75	-55.53	-44.24	-4.55	-24.00	-10.93	-63.88	-60.04	-
14.7713.73												
645	164	692	2.60	-12.97	-72.67	-71.90	-13.73	-6.73	-10.09	-62.64	-61.63	-
11.107.21												
		693	2.22	-20.86	-53.52	-52.48	-21.90	-5.74	-20.43	-116.28	-114.58	-
22.1312.65												
		608	1.98	8.01	-47.69	-18.23	-21.46	-27.80	-26.60	-132.83	-131.90	-
27.539.86												
		607	1.98	12.35	-50.13	-36.09	-1.70	-26.08	-7.83	-48.32	-44.23	-
11.9212.20												
645	195	692	4.28	-15.30	-82.14	-81.94	-15.49	-3.61	-48.88	-291.63	-276.52	-
63.99-58.64												
		693	3.82	-23.48	-62.72	-62.55	-23.66	-2.63	-64.18	-328.59	-327.48	-
65.28-17.06												

608	2.60	2.03	-47.36	-22.11	-23.22	-24.69	-49.61	-245.15	-243.90	-
50.86-15.61										
607	2.91	7.63	-51.03	-39.94	-3.46	-22.97	-26.09	-176.78	-158.22	-
44.66-49.53										
645 220	692	3.52	-14.45	-75.64	-75.26	-14.83	-4.79	19.23	-206.37	-153.72	-
33.42-95.43										
693	4.20	-22.55	-56.00	-55.49	-23.06	-4.11	-84.29	-425.65	-424.88	-
85.06-16.21										
608	2.86	5.79	-47.21	-19.32	-22.10	-26.47	-56.81	-293.20	-291.43	-
58.58-20.38										
607	2.94	9.89	-50.12	-37.41	-2.82	-24.52	21.56	-152.64	-96.74	-
34.33-81.32										
646 15	693	4.63	-11.91	-119.13	-95.62	-35.43	-44.37	124.66	-5.48	102.56
16.6248.86										
694	2.54	6.99	-66.34	-47.34	-12.01	-32.13	15.49	-25.85	1.69	-
12.0519.50										
609	4.13	47.64	-89.31	-15.03	-26.64	-68.23	-10.75	-36.14	-21.63	-
25.2712.57										
608	5.37	47.41	-117.38	-37.64	-32.33	-82.35	68.07	-21.58	47.75	-
1.2737.53										
646 57	693	5.77	-12.36	-138.33	-114.22	-36.47	-49.56	198.07	-13.14	149.34
35.5988.98										
694	3.60	6.49	-84.32	-64.78	-13.06	-37.32	74.50	-46.17	45.45	-
17.1151.59										
609	4.72	49.26	-97.75	-20.81	-27.68	-73.42	27.98	-54.49	4.97	-
31.4836.99										
608	6.12	48.74	-126.71	-44.59	-33.37	-87.54	121.68	-31.76	76.47	
13.4569.95										
646 133	693	4.18	-8.74	-100.90	-82.58	-27.06	-36.78	139.79	-6.43	108.09
25.2760.25										
694	2.56	4.49	-60.97	-46.21	-10.28	-27.36	49.75	-30.55	30.84	-
11.6334.07										
609	3.43	35.84	-71.87	-14.56	-21.46	-53.74	17.80	-35.71	2.50	-
20.4024.19										
608	4.48	36.49	-93.41	-31.87	-25.04	-64.86	87.28	-19.49	57.44	
10.3547.91										
646 159	693	2.94	-5.82	-76.83	-59.21	-23.45	-30.68	76.77	5.75	70.45
12.0720.22										
694	1.55	3.39	-42.72	-28.64	-10.69	-21.24	5.40	-7.51	2.87	-
4.975.13										
609	2.59	28.87	-58.47	-7.94	-21.66	-43.12	-5.09	-11.52	-10.68	-
5.942.18										
608	3.51	32.91	-77.22	-21.66	-22.64	-55.06	50.54	-1.68	43.39	
5.4717.95										
646 164	693	2.46	-3.12	-65.66	-48.23	-20.55	-28.03	64.89	10.63	63.99
11.53 6.94										
694	1.27	2.12	-36.60	-22.69	-11.80	-18.58	4.95	-2.56	4.07	-
1.68-2.42										
609	2.21	23.14	-50.86	-5.17	-22.55	-35.97	5.46	-7.20	-6.12	
4.37-3.55										
608	3.04	30.27	-67.30	-16.09	-20.94	-48.72	50.76	8.11	48.47	
10.40 9.60										
646 176	693	3.42	-3.79	-79.66	-61.97	-21.49	-32.09	135.87	17.48	122.62
30.7437.32										
694	2.09	1.17	-49.56	-35.65	-12.74	-22.63	66.83	-3.62	60.80	
2.41 19.71										
609	2.57	24.30	-57.00	-9.21	-23.50	-40.02	37.12	0.10	31.24	
5.9913.54										
608	3.63	31.38	-74.17	-20.90	-21.89	-52.78	102.95	9.35	87.12	
25.1835.08										
646 219	693	3.45	-4.41	-68.04	-51.06	-21.40	-28.15	230.76	43.56	226.08
48.2529.25										
694	1.32	1.62	-38.38	-24.83	-11.93	-18.93	9.12	1.99	3.27	
7.84-2.74										
609	2.28	23.85	-51.93	-5.76	-22.32	-36.97	4.53	-11.13	-9.25	
2.65-5.09										
608	3.54	30.09	-68.29	-16.89	-21.31	-49.14	159.94	20.59	148.83	
31.7037.75										
647 15	694	2.70	7.76	-68.57	-44.76	-16.05	-35.36	24.90	-27.43	12.97	-

15.5021.95											
	695	1.95	42.25	-19.14	0.31	22.79	-28.56	-44.51	-104.75	-104.26	-
45.015.44											
	610	2.90	54.63	-43.27	0.88	10.48	-48.72	-41.11	-74.31	-74.08	-
41.342.75											
	609	4.56	57.12	-96.58	-13.39	-26.06	-76.59	-17.05	-35.17	-28.86	-
23.368.64											
647 57	694	3.27	15.03	-78.19	-53.82	-9.34	-40.97	10.90	-83.20	-39.00	-
33.3046.96											
	695	2.66	49.90	-27.73	-7.33	29.50	-34.17	-61.28	-168.64	-158.04	-
71.8732.02											
	610	3.55	62.79	-47.53	-1.94	17.19	-54.32	-57.47	-133.54	-123.65	-
67.3625.58											
	609	5.10	63.71	-100.69	-17.63	-19.35	-82.19	-23.49	-93.46	-76.61	-
40.3429.92											
647 133	694	2.36	10.52	-57.32	-38.71	-8.09	-30.27	7.50	-55.02	-24.88	-
22.6331.24											
	695	1.87	34.98	-19.80	-4.80	19.98	-24.43	-43.22	-115.91	-109.05	-
50.0821.25											
	610	2.51	43.95	-35.02	-1.09	10.02	-39.09	-40.27	-89.61	-83.95	-
45.9215.72											
	609	3.72	46.34	-74.57	-12.41	-15.82	-60.43	-16.52	-61.96	-52.19	-
26.2918.67											
647 159	694	1.71	5.18	-45.42	-26.97	-13.27	-24.35	11.70	-9.61	9.06	-
6.987.02											
	695	1.06	21.76	-12.38	0.46	8.92	-16.54	-24.13	-50.51	-50.43	-
24.211.41											
	610	1.71	27.77	-29.28	1.13	-2.64	-28.46	-16.56	-32.69	-31.15	-
18.10-4.74											
	609	2.96	35.78	-64.14	-7.25	-21.11	-49.48	-4.56	-15.04	-14.38	-
5.23-2.56											
647 164	694	1.44	4.86	-40.09	-21.26	-13.97	-22.18	8.38	-3.21	8.36	-
3.19-0.52											
	695	0.74	13.89	-10.92	0.63	2.34	-12.38	-16.20	-27.71	-27.66	-
16.25-0.70											
	610	1.42	17.76	-27.10	1.47	-10.82	-21.57	0.65	-19.67	-11.39	-
7.63-9.99											
	609	2.62	29.69	-56.52	-4.92	-21.92	-42.26	9.63	-13.50	-8.39	
4.52-9.60											
647 176	694	1.84	9.41	-46.69	-27.94	-9.34	-26.46	-3.00	-41.01	-31.05	-
12.9616.71											
	695	1.25	18.69	-16.71	-4.99	6.97	-16.66	-27.70	-77.28	-68.73	-
36.2518.72											
	610	1.59	22.85	-29.20	-0.17	-6.19	-25.85	-25.04	-48.92	-47.36	-
26.605.90											
	609	2.78	34.18	-59.37	-7.91	-17.28	-46.54	-4.05	-43.22	-42.89	-
4.383.58											
647 207	694	1.68	4.38	-43.74	-26.02	-13.34	-23.21	15.00	-12.28	7.10	-
4.3912.37											
	695	0.98	15.80	-11.12	-1.29	5.97	-12.96	-31.51	-81.51	-81.30	-
31.72-3.17											
	610	1.54	20.93	-29.05	-0.88	-7.25	-24.79	-24.56	-69.76	-69.54	-
24.79-3.16											
	609	2.71	30.93	-59.67	-7.62	-21.12	-44.79	-3.04	-20.75	-19.43	-
4.35-4.64											
648 15	590	1.72	4.65	-20.43	0.91	-16.69	8.94	-36.95	-196.79	-184.77	-
48.97-42.15											
	611	3.07	11.26	-50.59	1.19	-40.52	-22.84	33.45	-223.37	-141.24	-
48.68-119.78											
	696	2.35	1.32	-25.87	-8.83	-15.73	-13.15	34.39	-220.74	-155.87	-
30.48-111.09											
	675	2.00	0.90	-13.33	-1.99	-10.44	5.73	-64.15	-301.07	-293.74	-
71.48-41.01											
648 103	590	3.47	17.01	-22.20	11.98	-17.17	13.11	348.44	-127.30	185.00	
36.13-225.92											
	611	4.33	17.76	-44.41	12.01	-38.66	-18.01	349.83	-119.19	200.88	
29.76-218.34											
	696	4.00	10.33	-18.44	6.63	-14.74	-9.63	480.17	-30.32	372.06	
77.79-208.57											

		675	3.33	16.87	-13.57	13.48	-10.18	9.57	402.63	-94.04	261.61
46.98-223.95											
	648 156	590	2.42	12.02	-17.32	8.22	-13.52	9.85	230.74	-91.98	116.14
22.63-154.44											
		611	3.10	13.03	-34.27	8.45	-29.69	-13.99	233.99	-90.92	124.48
18.59-153.59											
		696	2.75	7.08	-14.66	3.84	-11.42	-7.74	319.44	-27.63	240.49
51.31-145.49											
		675	2.27	11.44	-10.60	8.86	-8.03	7.08	259.26	-72.65	159.37
27.24-152.24											
	648 159	590	1.18	4.44	-17.52	1.28	-14.36	7.70	-11.20	-103.51	-92.18
22.53-30.29											
		611	2.04	8.86	-36.72	2.27	-30.14	-16.03	26.62	-135.35	-87.21
21.52-74.02											
		696	1.47	1.82	-19.24	-5.41	-12.01	-10.00	25.42	-121.93	-84.02
12.50-64.42											
		675	1.20	1.20	-11.13	-1.19	-8.74	4.87	-35.71	-167.26	-161.83
41.14-26.17											
	648 164	590	1.10	5.10	-18.89	1.72	-15.52	8.34	3.36	-68.30	-53.98
10.96-28.66											
		611	1.80	9.05	-35.09	3.30	-29.35	-14.85	27.49	-107.64	-70.81
9.34-60.17											
		696	1.23	2.47	-18.77	-4.35	-11.95	-9.91	24.64	-85.33	-56.57
4.12-48.33											
		675	0.96	1.59	-11.80	-0.93	-9.29	5.23	-25.01	-118.33	-112.79
30.55-22.06											
	648 170	590	2.15	4.51	-19.32	1.21	-16.02	8.23	87.00	-182.26	-73.38
21.87-132.14											
		611	2.98	8.76	-35.63	2.97	-29.84	-14.95	115.64	-228.60	-90.67
22.29-168.69											
		696	2.49	2.36	-19.22	-4.42	-12.44	-10.02	104.71	-217.44	-92.44
20.29-156.98											
		675	2.00	1.22	-12.17	-1.17	-9.78	5.13	39.45	-232.34	-148.22
44.67-125.65											
	648 199	590	2.15	6.09	-20.37	1.05	-15.33	10.39	23.86	-210.17	-152.83
33.48-100.66											
		611	3.13	8.30	-34.21	3.30	-29.20	-13.70	147.37	-226.67	-51.80
27.50-186.62											
		696	2.70	2.88	-17.72	-3.51	-11.34	-9.53	161.57	-206.37	-30.86
13.94-183.77											
		675	2.20	1.91	-11.87	-1.42	-8.53	5.90	-29.78	-306.02	-265.20
70.60-98.04											
	649 15	608	2.81	21.47	-46.39	-0.37	-24.55	-31.70	327.52	126.35	326.57
127.3013.76											
		612	4.54	46.47	-87.84	4.37	-45.74	-62.31	105.51	5.30	19.98
90.8335.44											
		697	4.23	48.75	-71.80	-0.96	-22.09	-59.34	175.60	-42.89	-39.88
172.5825.50											
		693	3.69	30.59	-45.91	0.35	-15.68	-37.40	385.12	179.69	355.89
208.9371.77											
	649 59	608	4.01	34.13	-54.39	5.02	-25.29	-41.58	414.64	141.34	387.91
168.07 81.18											
		612	5.64	59.76	-94.82	10.67	-45.73	-71.96	199.70	8.43	107.67
100.4695.56											
		697	5.23	62.73	-79.67	6.02	-22.96	-69.71	225.08	42.52	80.49
187.1174.10											
		693	4.76	44.98	-54.50	6.72	-16.25	-48.39	471.44	182.89	413.09
241.24115.90											
	649 134	608	2.81	23.15	-38.94	3.48	-19.27	-28.89	299.13	104.56	283.16
120.5353.40											
		612	4.03	43.05	-69.87	8.05	-34.88	-52.22	133.56	10.59	73.21
70.9461.47											
		697	3.73	45.02	-58.45	4.07	-17.49	-50.60	157.67	31.90	52.30
137.2746.37											
		693	3.37	31.43	-39.20	4.52	-12.29	-34.30	336.33	135.22	296.95
174.6179.81											
	649 159	608	1.72	9.17	-27.15	0.44	-18.42	-15.52	213.23	78.46	213.22
78.47 1.52											
		612	2.72	29.29	-57.75	5.45	-33.91	-38.81	47.27	12.61	12.76

47.12 2.30
697 2.51 29.85 -46.60 -0.08 -16.67 -37.31 110.95 -19.24 -19.09
110.80-4.40
693 2.09 16.35 -27.47 0.29 -11.41 -21.12 222.98 115.46 210.24
128.2034.75
649 164 608 1.47 4.39 -21.47 0.99 -18.07 -8.74 184.41 63.36 184.16
63.60 -5.41
612 2.30 24.66 -50.54 7.05 -32.93 -31.85 39.51 0.97 10.77
29.72-16.78
697 2.05 24.07 -40.06 0.42 -16.41 -30.94 98.76 -14.98 -10.23
94.01-22.76
693 1.53 10.96 -21.57 0.31 -10.92 -15.26 167.36 97.64 161.66
103.34 19.10
649 176 608 1.76 13.34 -26.83 4.74 -18.23 -16.47 213.92 77.10 207.33
83.6929.30
612 2.86 33.84 -56.49 10.44 -33.09 -39.57 49.65 13.67 30.37
32.9517.95
697 2.60 34.46 -45.88 5.16 -16.58 -38.67 97.67 9.93 10.12
97.48 4.03
693 2.18 21.49 -27.31 5.26 -11.08 -22.99 210.33 98.67 185.45
123.5546.46
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67.84 8.22
612 2.49 28.17 -52.13 8.98 -32.93 -34.25 36.70 5.80 5.93
36.58 1.95
697 2.29 29.07 -41.62 3.74 -16.29 -33.90 92.67 -23.94 -23.48
92.22-7.30
693 1.80 15.26 -23.94 2.49 -11.17 -18.37 177.00 91.40 159.42
108.9834.58
650 15 610 3.36 59.98 -49.11 1.55 9.33 54.41 93.73 63.20 67.60
89.3310.72
613 2.03 18.39 -44.39 9.48 -35.48 21.90 93.85 12.80 25.42
81.2429.38
698 2.16 22.50 -41.61 4.88 -24.00 28.62 141.12 25.96 31.76
135.3225.19
695 2.69 48.39 -26.93 0.18 21.28 36.15 149.88 99.29 103.98
145.1914.67
650 57 610 4.21 70.35 -53.19 0.28 16.89 61.21 152.18 60.47 100.77
111.8945.51
613 2.60 23.16 -44.05 7.03 -27.92 28.71 124.30 -9.76 50.68
63.8766.71
698 2.63 29.05 -44.02 1.47 -16.43 35.42 146.74 35.08 62.79
119.0448.23
695 3.41 59.09 -32.14 -1.89 28.84 42.95 193.38 118.41 142.89
168.8935.16
650 133 610 2.99 49.58 -39.50 0.36 9.72 44.29 103.72 43.07 68.35
78.4529.90
613 1.79 15.31 -32.50 5.49 -22.67 19.32 86.17 -1.51 37.52
47.1443.58
698 1.80 19.14 -31.55 1.18 -13.59 24.25 107.32 28.34 45.33
90.3332.46
695 2.42 41.70 -23.50 -1.25 19.44 30.91 136.18 83.92 98.98
121.1223.67
650 159 610 1.93 31.96 -34.12 1.25 -3.42 32.96 46.32 27.35 27.51
46.17 1.71
613 1.37 8.31 -30.80 6.56 -29.06 8.07 47.98 22.81 24.34
46.46 6.00
698 1.35 8.00 -24.69 2.50 -19.19 12.22 93.10 23.96 25.35
91.72 9.69
695 1.51 26.15 -18.04 0.12 7.99 21.74 85.60 49.49 50.47
84.63 5.86
650 164 610 1.65 21.82 -32.04 1.30 -11.52 26.16 29.45 8.25 8.77
28.92-3.29
613 1.26 6.05 -30.46 6.00 -30.41 1.36 38.47 23.72 27.99
34.20-6.69
698 1.18 2.55 -20.76 1.55 -19.75 4.73 82.35 25.95 26.04
82.25 2.27
695 1.09 17.95 -16.27 0.10 1.59 17.09 64.02 27.82 27.90
63.94 1.70

650 170 15.94-26.65	610	1.84	18.40	-32.64	2.50	-16.75	23.64	31.31	-30.25	-14.88	
	613	1.71	8.00	-35.67	7.97	-35.64	-1.17	73.82	-3.99	11.42	
58.41-31.02											
	698	1.61	4.73	-25.15	4.57	-24.98	2.21	106.85	6.41	7.23	
106.03-9.05											
	695	1.06	14.15	-15.58	2.21	-3.64	14.57	52.01	0.53	2.02	
50.52-8.64											
650 205 15.86-11.30	610	1.77	19.51	-32.34	2.00	-14.83	24.52	17.77	-50.96	-49.05	
	613	1.44	6.77	-31.20	6.77	-31.20	-0.21	84.60	44.14	59.23	
69.50-19.57											
	698	1.26	3.00	-20.10	2.78	-19.88	2.25	109.36	45.74	49.86	
105.2415.66											
	695	1.06	15.19	-16.14	0.72	-1.66	15.62	51.15	-22.19	-21.19	
50.14 8.53											
651 15 48.50-106.66	611	2.63	6.87	-46.72	1.19	-41.04	-16.50	22.79	-208.10	-136.81	-
	614	4.89	34.05	-79.22	-15.11	-30.06	-56.14	86.33	-182.71	-72.02	-
24.36-132.39											
	699	3.42	9.27	-53.01	-29.60	-14.13	-30.16	78.63	-174.22	-83.94	-
11.65-121.14											
	696	2.01	-3.10	-20.73	-8.03	-15.79	-7.92	22.68	-219.30	-165.14	-
31.48-100.86											
651 29 8.78189.20	611	4.06	14.03	-45.70	11.73	-43.39	-11.49	116.74	-322.80	-214.85	
	614	5.61	35.17	-67.74	-1.12	-31.46	-49.17	186.08	-275.58	-157.78	
68.28201.26											
	699	4.33	9.38	-45.11	-18.56	-17.17	-27.24	201.79	-296.50	-160.73	
66.02221.85											
	696	3.38	1.10	-21.15	-0.70	-19.35	-6.06	112.52	-368.91	-227.63	-
28.76219.22											
651 119 4.66119.42	611	2.83	10.26	-34.84	8.40	-32.98	-8.98	68.99	-217.04	-152.71	
	614	4.00	26.88	-52.23	-1.50	-23.85	-37.94	119.20	-182.48	-109.81	
46.53129.01											
	699	3.00	7.29	-34.90	-14.75	-12.85	-21.07	130.01	-195.06	-109.88	
44.83142.95											
	696	2.27	0.49	-16.04	-1.04	-14.51	-4.79	67.10	-247.14	-160.36	-
19.69140.50											
651 159 21.24-64.09	611	1.72	6.16	-34.21	2.85	-30.90	-11.08	18.21	-125.36	-85.91	-
	614	3.19	26.00	-56.51	-8.23	-22.27	-40.65	45.29	-92.77	-43.65	-
3.83-66.09											
	699	2.16	7.59	-38.25	-19.97	-10.69	-22.44	44.47	-84.45	-39.54	-
0.44-61.42											
	696	1.21	-1.83	-15.40	-5.13	-12.11	-5.82	17.69	-121.99	-91.62	-
12.68-57.62											
651 164 8.96-50.35	611	1.49	6.93	-32.98	4.33	-30.38	-9.84	19.13	-99.22	-71.13	-
	614	2.75	25.91	-53.16	-5.64	-21.62	-38.72	30.60	-57.69	-34.67	
7.58-38.76											
	699	1.81	7.98	-36.35	-17.82	-10.55	-21.86	32.26	-46.58	-20.40	
6.08-37.13											
	696	0.96	-1.38	-15.02	-4.32	-12.08	-5.61	17.90	-86.30	-64.55	-
3.85-42.35											
651 170 12.26-159.54	611	2.70	6.78	-32.57	3.63	-29.42	-10.68	150.53	-168.60	-5.81	-
	614	4.01	26.67	-53.72	-6.39	-20.66	-39.56	151.06	-137.27	26.58	-
12.79-142.81											
	699	3.06	9.59	-36.47	-17.28	-9.60	-22.70	176.14	-130.79	58.10	-
12.75-149.32											
	696	2.24	4.91e-04	-14.86	-3.73	-11.13	-6.45	173.97	-145.57	17.72	
10.68-159.73											
651 200 32.46-155.10	611	2.58	5.29	-32.73	2.68	-30.11	-9.62	97.84	-217.07	-86.78	-
	614	4.01	24.67	-52.92	-7.15	-21.11	-38.16	141.04	-159.68	9.15	-
27.80-149.22											
	699	3.05	6.88	-37.06	-19.68	-10.50	-21.49	175.66	-135.85	35.72	

4.09-154.95										
	696	2.19	-2.92	-15.31	-6.37	-11.87	-5.55	92.74	-215.78	-99.01
24.03-149.63										
652 15	612	4.32	40.57	-83.38	4.12	-46.93	-56.47	105.28	-12.97	0.27
92.0437.28										
	615	6.01	73.08	-113.20	-6.45	-33.67	-92.14	19.57	-109.10	-89.11
0.4246.60										
	700	4.37	56.77	-90.84	-13.18	-20.88	-73.70	89.55	-31.30	-30.92
89.18-6.73										
	697	3.45	42.78	-66.01	0.31	-23.53	-53.07	155.35	-16.52	-15.28
154.12-14.52										
652 57	612	5.41	52.43	-90.85	6.79	-45.21	-66.76	129.85	-84.49	-34.93
80.3090.37										
	615	7.11	85.52	-121.26	-3.79	-31.95	-102.43	10.24	-193.39	-133.00
50.1693.01										
	700	5.23	71.02	-97.38	-7.20	-19.16	-83.99	40.84	-93.03	-88.87
36.6823.23										
	697	4.43	57.16	-72.65	6.32	-21.81	-63.36	144.36	-66.59	-64.24
142.0122.13										
652 133	612	3.87	37.61	-66.69	5.55	-34.64	-48.12	88.66	-53.96	-22.81
57.5158.92										
	615	5.14	62.78	-89.47	-2.38	-24.31	-75.33	0.35	-133.49	-94.64
38.5060.75										
	700	3.76	51.25	-71.81	-5.87	-14.69	-61.37	34.63	-61.71	-60.57
33.49 10.41										
	697	3.15	40.65	-53.18	4.30	-16.83	-45.71	106.71	-43.60	-42.97
106.08 9.73										
652 159	612	2.59	25.25	-54.25	5.75	-34.75	-34.21	48.60	1.11	2.10
47.61 6.79										
	615	3.72	48.93	-74.44	-1.51	-24.00	-60.65	-18.80	-57.96	-55.09
21.6610.20										
	700	3.04	35.50	-59.55	-8.94	-15.12	-47.42	74.43	-22.22	-15.93
68.14-23.84										
	697	2.18	25.13	-42.23	0.47	-17.57	-32.45	105.98	-11.83	-5.69
99.84-26.18										
652 164	612	2.06	21.15	-47.15	7.72	-33.72	-27.14	33.21	0.21	3.55
29.87-9.95										
	615	3.29	43.44	-64.84	1.14	-22.54	-52.83	-31.38	-51.41	-44.81
37.98-9.42										
	700	2.79	29.26	-51.66	-8.01	-14.39	-40.33	83.37	-25.49	-9.92
67.79-38.12										
	697	1.94	19.27	-35.78	0.65	-17.17	-26.04	99.62	-15.14	-1.05
85.53-37.66										
652 176	612	2.80	30.30	-52.69	11.06	-33.45	-35.02	27.20	-39.95	-27.71
14.9725.92										
	615	3.87	53.25	-71.08	4.44	-22.27	-60.71	-54.36	-102.84	-81.32
75.8724.09										
	700	2.97	40.60	-56.59	-1.86	-14.12	-48.21	31.34	-53.93	-51.43
28.83-14.40										
	697	2.26	30.91	-40.96	6.85	-16.90	-33.92	72.76	-38.06	-36.76
71.46-11.93										
652 212	612	2.36	24.27	-48.96	9.04	-33.73	-29.72	40.22	0.89	1.73
39.38 5.68										
	615	3.37	47.24	-66.52	2.97	-22.25	-55.46	-25.58	-51.30	-50.55
26.334.33										
	700	2.83	34.12	-53.26	-4.93	-14.22	-43.44	65.64	-27.40	-19.10
57.34-26.52										
	697	1.99	23.91	-38.08	2.98	-17.14	-29.32	92.77	-15.67	-8.98
86.07-26.10										
653 15	613	2.31	23.54	-50.77	8.17	-35.40	30.10	87.20	15.81	23.55
79.4622.20										
	616	1.59	-2.43	-36.45	-2.55	-36.33	1.97	71.88	-13.30	-1.04
59.6129.90										
	701	1.87	2.81	-37.70	-8.78	-26.12	18.31	164.07	20.59	27.34
157.3330.36										
	698	2.32	28.66	-44.91	3.50	-19.76	34.90	143.24	35.07	40.78
137.5324.18										
653 57	613	3.07	29.38	-56.54	4.89	-32.05	38.78	91.84	-47.11	-6.42
51.1563.23										
	616	1.77	-2.44	-36.70	-6.15	-32.98	10.65	43.86	-99.49	-40.29

15.3370.58											
	701	2.24	8.55	-46.03	-14.70	-22.77	26.99	106.56	-37.34	-12.97	
82.1953.98											
	698	3.08	34.92	-53.42	-2.09	-16.41	43.58	128.50	-9.79	9.70	
109.0148.12											
653 133	613	2.13	19.94	-41.37	4.09	-25.51	26.85	64.42	-26.24	-0.50	
38.6940.88											
	616	1.13	-2.99	-26.80	-4.16	-25.63	5.15	30.78	-60.63	-24.38	-
5.4744.72											
	701	1.46	3.55	-32.17	-10.82	-17.81	17.51	84.77	-18.75	-4.58	
70.6035.58											
	698	2.13	23.66	-38.27	-1.30	-13.30	30.38	96.17	-1.92	10.34	
83.9132.45											
653 159	613	1.54	11.23	-34.41	6.25	-29.43	14.24	46.17	23.75	23.93	
45.99 1.97											
	616	1.22	0.93	-29.63	-1.11	-27.59	-7.63	40.07	10.17	10.17	
40.07 0.04											
	701	1.31	-6.05	-21.07	-7.24	-19.87	4.07	120.40	25.63	26.39	
119.65 8.41											
	698	1.42	11.97	-27.05	1.55	-16.63	17.26	95.03	28.65	30.07	
93.60 9.62											
653 164	613	1.38	7.64	-32.53	6.22	-31.11	7.42	41.44	21.35	28.37	
34.42-9.58											
	616	1.28	5.97	-33.74	-0.46	-27.31	-14.62	46.59	7.60	18.55	
35.64-17.52											
	701	1.29	-6.63	-20.69	-7.62	-19.71	-3.59	118.70	30.38	30.48	
118.59 -3.01											
	698	1.21	5.01	-22.07	0.67	-17.73	9.93	84.42	28.95	29.08	
84.28 2.76											
653 173	613	1.51	8.15	-32.72	8.08	-32.65	1.63	86.41	8.48	44.90	
49.99-38.88											
	616	1.83	11.86	-39.08	1.63	-28.85	-20.41	118.28	17.18	46.89	
88.57-46.05											
	701	1.68	0.07	-25.38	-4.06	-21.25	-9.38	175.15	56.95	60.32	
171.79-19.65											
	698	1.28	4.73	-19.99	4.01	-19.27	4.15	104.11	48.28	52.43	
99.95-14.65											
653 206	613	1.60	7.45	-32.61	6.66	-31.82	5.59	87.46	33.78	51.04	
70.19-25.07											
	616	1.56	8.46	-34.54	0.74	-26.81	-16.51	116.08	37.98	51.91	
102.15-29.90											
	701	1.61	-2.60	-21.80	-5.10	-19.30	-6.46	169.78	57.22	57.24	
169.76 -1.60											
	698	1.26	4.25	-20.47	1.90	-18.12	7.25	112.58	43.74	46.65	
109.6713.84											
654 15	614	4.38	25.61	-70.36	-17.77	-26.99	-47.76	84.33	-179.31	-71.72	-
23.26-129.58											
	617	5.27	42.51	-82.12	-35.57	-4.05	-60.29	137.37	-147.75	-17.58	
7.20-142.02											
	702	3.91	7.48	-74.27	-57.37	-9.41	-33.10	111.94	-144.41	-30.16	-
2.32-127.42											
	699	3.13	4.40	-47.73	-30.03	-13.30	-24.69	77.30	-173.71	-84.08	-
12.33-120.27											
654 29	614	5.36	31.14	-63.08	-4.06	-27.87	-45.58	179.93	-285.77	-168.81	
62.97201.96											
	617	5.63	47.37	-67.49	-19.28	-0.84	-56.69	232.08	-207.80	-77.68	
101.96200.77											
	702	4.25	10.53	-62.43	-41.96	-9.94	-32.78	189.73	-254.63	-130.05	
65.14199.60											
	699	4.19	9.72	-44.46	-19.37	-15.37	-27.02	172.96	-312.90	-192.92	
52.98209.52											
654 119	614	3.79	23.36	-48.20	-3.61	-21.23	-34.68	115.57	-189.34	-116.92	
43.16129.76											
	617	4.02	35.94	-51.79	-15.40	-0.45	-43.23	155.18	-131.04	-47.44	
71.58130.14											
	702	2.97	7.80	-47.97	-32.75	-7.43	-24.84	123.86	-163.09	-83.12	
43.89128.66											
	699	2.87	6.99	-33.97	-15.39	-11.60	-20.39	111.22	-206.19	-131.03	
36.06134.93											

654	159	614	2.79	19.55	-49.56	-9.77	-20.24	-34.15	44.32	-89.61	-42.54	-2.75-63.94
		617	3.30	32.76	-56.33	-22.68	-0.89	-43.19	78.29	-47.95	12.59	17.75-63.07
		702	2.39	5.90	-51.84	-39.39	-6.55	-23.75	64.41	-58.06	5.16	1.18-61.20
		699	1.94	3.71	-34.41	-20.51	-10.19	-18.35	43.47	-82.72	-38.32	-0.94-60.26
654	164	614	2.34	19.51	-46.15	-6.79	-19.85	-32.17	30.11	-54.16	-32.88	8.82-36.62
		617	2.73	32.81	-51.10	-19.10	0.81	-40.76	57.71	1.94	32.56	27.09-27.75
		702	1.92	6.03	-47.81	-35.76	-6.02	-22.44	50.21	-19.91	26.85	3.45-33.05
		699	1.58	3.99	-32.69	-18.53	-10.17	-17.86	31.25	-43.82	-18.16	5.60-35.60
654	165	614	3.44	17.22	-44.96	-9.09	-18.65	-30.72	146.32	-133.94	20.72	-8.34-139.38
		617	3.72	31.21	-50.88	-21.68	2.01	-39.30	175.72	-86.61	85.06	4.05-124.75
		702	2.82	5.08	-49.30	-39.39	-4.82	-20.98	174.44	-109.05	82.79	-17.40-132.60
		699	2.61	2.11	-33.24	-22.16	-8.97	-16.40	157.64	-128.25	38.84	-9.46-140.89
654	200	614	3.60	18.29	-45.85	-8.31	-19.25	-31.60	140.84	-155.49	13.47	-28.12-146.70
		617	3.86	31.29	-50.80	-20.45	0.94	-39.63	157.41	-129.08	59.70	-31.37-135.81
		702	2.91	5.33	-48.48	-37.15	-6.00	-21.94	190.90	-92.83	87.67	10.40-136.50
		699	2.78	2.96	-33.44	-20.41	-10.07	-17.45	169.80	-134.00	33.63	2.16-151.08
655	15	615	5.49	64.47	-104.72	-8.78	-31.46	-83.83	19.36	-91.64	-66.07	-6.2046.73
		618	6.02	82.46	-106.89	-23.53	-0.90	-94.00	-11.18	-106.69	-55.06	-62.8147.59
		703	4.69	54.07	-95.04	-30.54	-10.43	-73.88	98.33	-15.98	-8.36	90.7128.52
		700	4.12	51.71	-84.71	-13.39	-19.61	-68.14	96.37	-26.11	-26.11	96.37 0.69
655	57	615	6.49	76.13	-111.12	-4.76	-30.23	-92.75	10.86	-179.16	-112.16	-56.1590.79
		618	7.13	93.69	-113.12	-19.77	0.34	-102.92	-19.58	-217.95	-105.13	-132.4098.24
		703	5.61	67.15	-98.99	-22.65	-9.19	-82.80	69.38	-85.99	-41.07	24.4770.43
		700	4.98	65.53	-89.15	-5.25	-18.38	-77.06	60.85	-66.11	-54.90	49.6536.01
655	133	615	4.67	55.65	-81.75	-3.18	-22.93	-67.99	0.99	-122.76	-78.75	-43.0159.24
		618	5.14	69.05	-83.00	-14.50	0.55	-75.65	-23.89	-151.88	-76.15	-99.6262.91
		703	4.02	48.26	-72.99	-17.77	-6.95	-60.38	52.04	-52.42	-27.83	27.4544.32
		700	3.56	47.04	-65.73	-4.63	-14.06	-56.19	46.90	-42.10	-37.71	42.5119.27
655	159	615	3.31	42.34	-67.57	-2.96	-22.28	-54.10	-20.31	-44.42	-38.95	-25.7910.10
		618	3.64	55.51	-67.89	-13.45	1.08	-61.27	-43.20	-70.10	-44.12	-69.184.89
		703	2.87	32.98	-61.49	-21.53	-6.98	-46.67	77.62	-4.72	-4.68	77.58 -1.71
		700	2.75	31.51	-54.98	-9.26	-14.21	-43.17	76.56	-17.84	-13.43	72.14-19.93
655	164	615	2.92	36.88	-57.74	-0.05	-20.81	-46.16	-24.49	-47.23	-29.86	-41.86-9.66
		618	3.32	49.45	-56.92	-9.91	2.43	-52.83	-37.58	-93.03	-45.48	-85.14-19.37
		703	2.64	26.40	-52.63	-20.04	-6.19	-38.90	87.85	-7.64	-3.35	

83.56-19.79										
	700	2.52	25.19	-47.19	-8.46	-13.54	-36.10	84.28	-22.00	-8.34
70.62-35.57										
655 176	615	3.42	46.40	-63.67	3.62	-20.89	-53.66	-41.48	-93.35	-56.51
78.3223.53										
	618	3.78	58.47	-62.50	-6.37	2.35	-60.33	-70.28	-139.67	-74.77
135.1717.08										
	703	2.83	36.99	-56.04	-12.78	-6.27	-46.40	37.18	-23.84	-21.92
35.2610.63										
	700	2.62	36.70	-51.40	-1.07	-13.62	-43.60	37.00	-25.68	-24.53
35.85-8.42										
655 210	615	2.97	33.80	-56.25	-0.88	-21.57	-43.82	-12.20	-68.04	-24.84
55.41-23.36										
	618	3.38	46.36	-56.06	-11.30	1.60	-50.80	-28.04	-114.83	-43.77
99.10-33.44										
	703	2.63	22.55	-51.53	-22.36	-6.61	-36.19	106.22	-3.83	4.88
97.51-29.70										
	700	2.46	21.07	-45.05	-10.03	-13.95	-33.00	98.04	-21.53	-0.21
76.73-45.76										
656 15	616	1.44	-1.89	-36.05	-4.94	-33.00	9.74	70.48	-12.74	-1.29
59.0328.67										
	619	0.82	-15.17	-19.28	-17.76	-16.69	1.98	65.50	-29.99	-8.19
43.7040.08										
	704	1.70	-5.57	-37.38	-21.87	-21.08	15.90	183.66	20.57	29.05
175.1736.23										
	701	1.99	8.60	-42.66	-8.97	-25.09	24.33	166.18	21.56	28.90
158.84 31.73										
656 57	616	2.12	1.49	-42.34	-9.87	-30.98	19.21	39.23	-95.09	-40.04
15.8366.06										
	619	1.85	-6.60	-30.91	-22.83	-14.67	11.45	24.66	-130.88	-51.57
54.6577.75										
	704	2.44	0.99	-51.15	-31.09	-19.07	25.37	109.58	-46.33	-13.71
76.9663.42										
	701	2.69	13.33	-54.44	-18.04	-23.08	33.79	112.39	-37.52	-9.25
84.1258.65										
656 133	616	1.37	-0.89	-29.90	-6.79	-24.00	11.68	27.53	-57.93	-24.58
5.8241.69										
	619	1.15	-7.79	-20.28	-16.62	-11.45	5.68	16.71	-83.41	-34.60
32.1050.05										
	704	1.63	-2.15	-35.71	-23.00	-14.86	16.28	89.04	-23.81	-5.46
70.6841.65										
	701	1.80	7.28	-38.34	-13.10	-17.95	22.68	88.56	-18.73	-2.19
72.0138.75										
656 159	616	1.05	-2.43	-25.32	-2.54	-25.21	-1.54	39.80	8.52	8.53
39.79-0.45										
	619	0.75	-4.61	-19.89	-11.84	-12.66	-7.63	33.86	-4.54	-3.65
32.98 5.77										
	704	1.28	-13.90	-19.20	-16.93	-16.17	2.62	141.48	24.57	25.33
140.72 9.40										
	701	1.35	-2.87	-23.96	-7.56	-19.28	8.76	121.54	25.66	26.52
120.67 9.07										
656 164	616	1.04	1.15	-27.80	-1.57	-25.08	-8.45	45.87	5.45	15.81
35.50-17.65										
	619	1.05	3.18	-26.15	-10.45	-12.52	-14.63	37.13	-6.26	-1.63
32.49-13.40										
	704	1.32	-11.83	-21.32	-17.02	-16.13	-4.72	145.48	27.42	27.61
145.29-4.72										
	701	1.27	-7.94	-19.38	-8.06	-19.26	1.16	119.59	29.73	29.81
119.51-2.65										
656 165	616	1.40	7.18	-28.22	2.45	-23.49	-12.05	131.05	31.34	54.02
108.37-41.80										
	619	1.54	9.74	-26.99	-6.31	-10.93	-18.22	135.09	25.06	39.60
120.55-37.26										
	704	1.80	-3.31	-20.70	-9.47	-14.54	-8.32	236.34	66.74	69.59
233.49-21.79										
	701	1.69	-0.28	-18.01	-0.62	-17.67	-2.43	195.67	65.60	68.76
192.52-20.01										
656 206	616	1.38	3.47	-28.46	-0.34	-24.65	-10.35	116.29	35.02	49.41
101.90-31.02										

	619	1.29	6.32	-26.69	-8.55	-11.81	-16.42	116.85	20.85	27.34	
110.36-24.11											
	704	1.69	-7.41	-22.03	-13.69	-15.76	-7.23	208.27	52.14	52.60	
207.81-8.41											
	701	1.56	-5.33	-19.14	-5.54	-18.94	-1.66	170.18	57.06	57.06	
170.18-0.35											
657	15	617	4.75	33.02	-75.23	-39.67	-2.54	-50.84	130.43	-147.65	-19.12
1.91-138.64											
		620	4.72	28.29	-74.58	-47.07	0.78	-45.53	188.65	-125.04	21.45
42.16-156.50											
		705	4.12	0.36	-94.11	-83.30	-10.45	-30.08	132.45	-117.42	4.99
10.04-124.91											
		702	3.64	4.20	-68.66	-56.27	-8.19	-27.37	117.62	-144.82	-27.43
0.23-130.49											
657	101	617	4.81	39.29	-77.37	-33.46	-4.62	-56.52	91.04	-147.22	-43.38	-
12.81-118.14											
		620	4.72	33.91	-75.77	-40.55	-1.30	-51.21	147.02	-120.55	-2.61
29.08-132.84											
		705	3.97	4.52	-87.49	-70.44	-12.53	-35.75	87.76	-114.02	-23.70	-
2.56-100.33											
		702	3.58	10.04	-64.03	-43.71	-10.28	-33.05	77.49	-145.90	-55.66	-
12.74-109.62											
657	112	617	3.47	25.42	-56.27	-29.32	-1.52	-38.40	93.84	-97.90	-8.04	
3.97-95.68											
		620	3.43	22.45	-54.90	-35.43	2.98	-33.57	140.93	-80.63	26.67	
33.62-110.72											
		705	2.97	0.31	-69.79	-62.16	-7.32	-21.84	96.82	-79.35	10.52	
6.95-88.07											
		702	2.66	3.27	-51.67	-42.22	-6.18	-20.73	85.42	-98.59	-14.12	
0.95-91.69											
657	159	617	2.89	25.48	-51.05	-25.45	-0.12	-36.11	72.92	-47.15	13.66	
12.11-60.03											
		620	2.82	25.06	-47.25	-32.90	10.71	-28.84	128.71	-31.49	59.74	
37.48-79.32											
		705	2.35	0.51	-61.42	-55.92	-4.98	-17.61	81.91	-45.23	32.25	
4.44-62.03											
		702	2.20	3.39	-47.94	-38.77	-5.77	-19.66	69.54	-57.51	8.57	
3.46-63.47											
657	164	617	2.31	25.54	-45.84	-21.58	1.28	-33.81	53.32	2.28	35.36	
20.25-24.38											
		620	2.25	28.34	-40.27	-30.38	18.45	-24.10	121.46	12.68	92.80	
41.34-47.92											
		705	2.00	0.90	-53.24	-49.69	-2.65	-13.39	72.36	-16.46	53.97	
1.93-35.99											
		702	1.74	3.52	-44.21	-35.32	-5.37	-18.59	56.07	-18.83	31.26	
5.98-35.25											
657	173	617	3.25	22.96	-45.43	-23.59	1.13	-31.88	126.50	-111.68	26.72	-
11.89-117.52											
		620	2.97	26.61	-40.85	-32.54	18.30	-22.17	188.92	-71.48	87.75	
29.70-126.92											
		705	2.48	-0.36	-56.73	-54.30	-2.79	-11.46	163.26	-70.72	95.77	-
3.23-106.00											
		702	2.46	1.25	-46.51	-39.75	-5.52	-16.66	152.32	-101.71	69.15	-
18.54-119.20											
657	200	617	3.49	24.32	-45.50	-22.65	1.47	-32.76	156.77	-130.21	55.92	-
29.36-137.01											
		620	2.80	26.90	-40.40	-31.13	17.63	-23.20	140.85	-111.63	65.46	-
36.24-115.55											
		705	2.37	0.60	-53.95	-50.64	-2.72	-13.04	181.96	-62.15	105.90	
13.91-113.05											
		702	2.68	2.78	-45.02	-36.83	-5.42	-18.02	190.10	-92.97	87.62	
9.50-136.04											
658	15	618	5.47	72.35	-100.10	-27.34	-0.41	-85.16	-8.93	-93.90	-50.93	-
51.9042.48											
		621	5.33	72.93	-85.43	-37.49	24.98	-72.76	-2.08	-133.63	-47.93	-
87.7862.68											
		706	4.26	41.41	-87.96	-43.69	-2.86	-61.38	115.11	-1.81	17.09	
96.2043.05											
		703	4.41	50.10	-88.60	-29.37	-9.14	-68.61	96.63	-18.80	-9.96	

87.7830.70											
658 57	618	6.61	83.38	-105.06	-20.80	-0.88	-93.69	16.71	-187.06	-59.13	-
111.2298.50											
	621	6.45	82.56	-89.32	-31.28	24.51	-81.29	5.20	-249.85	-55.77	-
188.88108.78											
	706	4.95	52.82	-90.36	-34.21	-3.32	-69.91	57.18	-82.99	-15.50	-
10.3170.04											
	703	5.25	62.71	-91.89	-19.57	-9.61	-77.14	67.93	-79.06	-34.34	
23.2167.63											
658 133	618	4.73	61.14	-76.89	-15.54	-0.20	-68.59	0.47	-130.05	-45.68	-
83.9162.39											
	621	4.63	60.62	-64.73	-23.43	19.31	-58.92	-7.04	-180.25	-47.45	-
139.8473.25											
	706	3.53	37.34	-66.24	-26.64	-2.26	-50.33	45.57	-48.09	-9.16	
6.6446.16											
	703	3.75	44.88	-67.61	-15.62	-7.11	-56.08	50.66	-48.16	-23.66	
26.1542.67											
658 159	618	3.22	47.76	-62.50	-16.23	1.49	-54.41	-43.57	-58.78	-43.57	-
58.770.25											
	621	3.22	48.35	-50.84	-23.44	20.95	-44.35	-46.01	-102.01	-59.60	-
88.4224.00											
	706	2.43	23.25	-55.22	-30.86	-1.12	-36.31	91.30	8.89	10.70	
89.4912.07											
	703	2.63	29.90	-56.66	-20.72	-6.04	-42.65	74.66	-6.57	-6.57	
74.66-8.07e-03											
658 164	618	3.00	41.73	-51.42	-12.56	2.88	-45.93	-32.22	-87.90	-46.93	-
73.19-24.55											
	621	2.59	42.59	-39.62	-19.31	22.28	-35.46	-75.93	-105.46	-76.99	-
104.405.49											
	706	2.15	16.86	-45.91	-28.76	-0.29	-27.97	101.50	8.65	8.82	
101.33-4.02											
	703	2.41	23.32	-47.90	-19.29	-5.28	-34.91	83.77	-9.38	-5.73	
80.12-18.07											
658 176	618	3.35	51.14	-56.47	-7.31	1.97	-53.60	-47.04	-119.37	-49.79	-
116.6213.83											
	621	3.45	50.25	-43.07	-14.19	21.37	-43.14	-67.03	-186.74	-79.55	-
174.2236.64											
	706	2.30	25.99	-47.93	-20.75	-1.20	-35.64	32.86	-15.54	-10.38	
27.6914.94											
	703	2.58	33.99	-51.33	-11.16	-6.19	-42.59	34.20	-20.72	-19.49	
32.97 8.12											
658 212	618	2.96	45.39	-52.47	-10.36	3.28	-48.45	-41.99	-64.99	-46.52	-
60.45-9.15											
	621	2.74	45.58	-39.80	-16.84	22.62	-37.85	-60.82	-96.01	-68.23	-
88.5914.35											
	706	2.09	20.47	-45.56	-24.94	-0.15	-30.60	79.48	0.49	0.68	
79.29 3.88											
	703	2.40	27.76	-48.62	-15.76	-5.10	-37.82	64.94	-14.27	-13.62	
64.28 -7.18											
659 15	619	1.16	-7.58	-26.83	-18.61	-15.81	9.52	63.32	-28.88	-7.93	
42.3738.64											
	622	1.66	3.20	-33.02	-26.67	-3.15	13.78	63.77	-37.28	-6.27	
32.7646.60											
	707	2.19	-1.47	-46.57	-31.61	-16.43	21.24	198.59	20.93	32.85	
186.6744.46											
	704	1.92	0.61	-43.05	-21.89	-20.55	21.82	184.98	20.14	29.61	
175.5138.36											
659 59	619	2.25	-5.59	-39.43	-27.19	-17.84	16.26	-12.48	-170.35	-63.82	-
119.0173.96											
	622	2.57	4.56	-45.42	-35.03	-5.83	20.28	-22.15	-200.89	-72.61	-
150.4380.46											
	707	2.97	-2.93	-66.68	-50.67	-18.93	27.65	62.21	-88.37	-37.45	
11.2971.24											
	704	2.78	-2.47	-61.46	-41.17	-22.76	28.02	65.27	-81.22	-34.18	
18.2368.40											
659 134	619	1.46	-6.36	-26.67	-19.56	-13.48	9.69	-8.81	-109.13	-42.85	-
75.0947.50											
	622	1.71	1.64	-31.53	-25.55	-4.34	12.75	-15.37	-131.22	-50.04	-
96.5553.05											

707 2.05 -4.11 -47.30 -37.01 -14.39 18.40 57.98 -49.98 -21.46
29.4747.60
704 1.88 -3.85 -43.18 -29.74 -17.29 18.65 57.97 -45.56 -19.13
31.5445.14
659 158 619 0.73 -2.27 -19.56 -10.12 -11.72 -8.61 36.96 -7.59 -2.48
31.84-14.20
622 0.76 -1.09 -17.98 -15.72 -3.35 -5.75 28.67 -13.75 -13.21
28.12-4.78
707 1.35 -13.24 -24.29 -24.28 -13.24 -0.27 164.90 25.97 25.97
164.90 0.62
704 1.30 -15.76 -17.39 -17.33 -15.81 -0.29 145.59 27.26 27.39
145.47-3.78
659 164 619 0.73 -2.65 -19.96 -10.74 -11.87 -8.64 36.59 -6.98 -2.29
31.90-13.51
622 0.77 -1.18 -18.66 -16.45 -3.38 -5.81 28.49 -12.74 -12.26
28.01-4.43
707 1.35 -13.25 -24.24 -24.23 -13.26 -0.26 164.62 26.27 26.27
164.61 0.77
704 1.30 -15.83 -17.28 -17.25 -15.86 -0.21 145.52 27.34 27.44
145.42-3.45
659 165 619 1.14 3.74 -19.79 -5.31 -10.74 -11.45 130.17 18.81 30.68
118.30-34.37
622 1.16 3.03 -16.34 -11.06 -2.25 -8.62 126.15 16.65 21.98
120.81-23.58
707 1.85 -10.23 -17.10 -15.20 -12.13 -3.07 259.59 64.12 65.33
258.38-15.34
704 1.80 -7.04 -15.92 -8.23 -14.73 -3.02 235.44 62.56 65.23
232.78-21.29
659 206 619 1.01 0.49 -20.51 -8.84 -11.18 -10.43 116.20 19.47 26.31
109.36-24.81
622 1.07 0.92 -17.63 -14.02 -2.69 -7.35 111.44 10.55 12.25
109.74-12.98
707 1.73 -12.37 -21.01 -20.36 -13.02 -2.29 233.78 49.13 49.26
233.65-4.90
704 1.65 -11.89 -17.54 -13.92 -15.51 -2.71 207.90 51.88 52.14
207.64-6.40
660 15 620 3.98 14.10 -62.74 -47.79 -0.86 -30.42 179.05 -138.63 -3.35
43.77-157.08
623 4.42 9.61 -93.38 -33.54 -50.23 -50.81 160.45 -79.87 8.90
71.68-115.99
708 4.79 -3.29 -125.46 -110.72 -18.03 -39.79 147.93 -78.87 48.79
20.27-112.50
705 3.80 -2.91 -88.75 -81.40 -10.26 -24.01 138.89 -114.80 12.19
11.90-126.85
660 35 620 3.45 13.11 -59.44 -46.56 0.24 -27.72 142.23 -93.87 -10.91
59.27-112.71
623 3.93 8.19 -89.50 -32.18 -49.13 -48.11 206.05 -26.69 18.79
160.56-92.29
708 4.82 -3.75 -121.22 -108.04 -16.93 -37.08 123.94 -60.68 -28.81
92.06-69.78
705 3.55 -3.16 -84.82 -78.82 -9.16 -21.30 29.77 -106.88 -80.34
3.23-54.06
660 122 620 2.53 11.56 -44.08 -35.14 2.62 -20.43 108.36 -60.03 3.26
45.07-81.56
623 2.71 3.68 -60.58 -25.82 -31.09 -32.02 148.68 -16.63 19.63
112.42-68.41
708 3.40 -3.52 -87.23 -79.14 -11.61 -24.73 89.65 -38.48 -11.77
62.94-52.05
705 2.58 -2.28 -63.34 -59.18 -6.44 -15.39 26.25 -69.35 -45.56
2.46-41.33
660 159 620 2.34 16.93 -40.12 -33.35 10.16 -18.45 120.62 -38.77 43.66
38.20-79.65
623 1.91 -0.18 -39.22 -29.74 -9.67 -16.74 108.20 -28.32 33.14
46.75-67.92
708 2.41 -4.56 -69.96 -67.14 -7.38 -13.30 94.03 -32.77 47.86
13.40-61.01
705 2.14 -1.67 -58.50 -55.33 -4.85 -13.05 88.50 -45.15 38.07
5.28-64.78
660 164 620 1.86 22.48 -34.79 -30.75 18.44 -14.67 111.99 8.68 79.01

41.66-48.16											
	623	1.65	12.49	-32.75	-32.75	12.49	0.35	98.82	-5.24	53.24	
40.33-51.63											
	708	2.13	-2.42	-53.35	-53.35	-2.42	-0.06	80.71	-13.24	55.75	
11.72-41.50											
	705	2.01	-0.90	-51.38	-49.75	-2.52	-8.91	80.24	-17.92	60.01	
2.31-39.70											
660 169	620	2.16	22.06	-36.39	-32.23	17.90	-15.03	149.95	-26.15	89.25	
34.55-83.70											
	623	1.98	11.95	-34.40	-34.40	11.95	-0.01	103.26	-59.60	53.21	-
9.56-75.14											
	708	2.82	-2.96	-57.19	-57.19	-2.96	-0.42	144.21	-60.60	111.34	-
27.73-75.17											
	705	2.59	-1.41	-55.11	-53.46	-3.06	-9.27	175.76	-40.50	125.07	
10.18-91.61											
660 200	620	2.36	21.43	-35.35	-31.52	17.61	-14.22	128.66	-117.09	47.50	-
35.94-115.57											
	623	2.22	12.52	-33.44	-33.43	12.51	0.56	106.60	-78.39	72.77	-
44.56-71.51											
	708	2.68	-2.51	-54.18	-54.18	-2.51	0.07	161.15	-44.75	110.01	
6.38-88.96											
	705	2.48	-1.13	-52.14	-50.68	-2.59	-8.50	183.22	-57.46	111.71	
14.05-109.98											
661 15	621	4.68	61.24	-74.68	-38.27	24.83	-60.19	7.53	-122.71	-28.82	-
86.3558.42											
	624	3.69	39.01	-61.62	-38.69	16.08	-42.21	29.70	-107.10	4.02	-
81.4253.42											
	709	3.44	24.22	-73.43	-46.92	-2.29	-43.43	120.24	1.62	28.14	
93.7249.42											
	706	3.95	36.03	-81.99	-43.40	-2.56	-55.36	116.43	-10.36	9.74	
96.3346.31											
661 57	621	5.48	70.99	-77.60	-30.77	24.17	-69.03	-6.06	-219.60	-37.72	-
187.9575.87											
	624	4.30	48.26	-63.93	-31.08	15.41	-51.05	19.19	-180.47	-0.89	-
160.3960.06											
	709	3.92	35.31	-74.36	-36.10	-2.95	-52.27	66.65	-62.82	-4.99	
8.8264.37											
	706	4.63	47.91	-83.84	-32.70	-3.23	-64.21	53.65	-92.82	-27.97	-
11.2172.76											
661 144	621	3.81	52.59	-60.23	-26.04	18.39	-51.85	-5.66	-104.51	-22.32	-
87.8537.01											
	624	2.95	35.10	-49.52	-26.04	11.63	-37.89	21.43	-71.73	8.68	-
58.9832.02											
	709	2.80	25.08	-57.40	-29.67	-2.65	-38.96	97.63	1.87	15.29	
84.2133.25											
	706	3.29	34.71	-65.01	-27.44	-2.86	-48.32	75.46	-17.43	-1.52	
59.5535.00											
661 159	621	2.75	39.76	-42.74	-23.89	20.91	-34.64	-37.55	-97.25	-47.49	-
87.3022.25											
	624	2.17	22.81	-32.67	-23.91	14.05	-20.23	4.34	-93.54	-5.77	-
83.4329.79											
	709	1.84	10.37	-43.55	-32.47	-0.71	-21.78	94.34	14.83	21.03	
88.1321.33											
	706	2.22	19.21	-50.85	-30.73	-0.91	-31.70	92.57	3.09	6.07	
89.5916.06											
661 164	621	2.18	34.51	-31.87	-19.65	22.29	-25.73	-66.21	-103.91	-66.86	-
103.264.89											
	624	1.77	18.46	-22.56	-19.43	15.34	-10.88	-7.67	-104.21	-12.55	-
99.3321.15											
	709	1.47	4.90	-34.50	-29.70	0.10	-12.89	101.31	19.66	20.57	
100.40 8.57											
	706	1.93	13.01	-41.80	-28.70	-0.09	-23.37	101.45	4.97	4.98	
101.44 1.11											
661 166	621	2.09	32.02	-34.82	-24.97	22.17	-23.69	-26.19	-54.74	-54.56	-
26.37-2.27											
	624	1.54	17.08	-26.66	-24.79	15.22	-8.84	7.75	-46.75	-3.71	-
35.2922.21											
	709	1.88	2.91	-40.19	-37.26	-0.02	-10.85	168.73	46.76	46.80	
168.68 2.23											

	706	2.34	9.70	-46.13	-36.22	-0.22	-21.33	183.14	33.53	34.53	
182.14-12.18											
661 218	621	2.20	33.66	-33.29	-22.99	23.36	-24.15	-78.05	-113.87	-78.20	-
113.722.33											
	624	1.86	18.01	-24.37	-22.36	16.00	-9.01	-8.71	-115.28	-14.54	-
109.4524.23											
	709	1.64	4.10	-37.77	-34.27	0.60	-11.59	116.68	24.29	25.11	
115.85 8.70											
	706	2.10	11.52	-44.94	-33.94	0.51	-22.37	118.47	8.17	8.21	
118.43 -1.96											
662 15	622	2.04	9.80	-39.73	-26.85	-3.08	21.72	62.33	-36.31	-6.30	
32.3245.38											
	625	2.59	18.20	-48.88	-28.99	-1.69	30.64	69.19	-38.16	-1.25	
32.2950.99											
	710	2.82	7.16	-58.39	-35.67	-15.55	31.19	209.91	21.80	37.39	
194.3351.86											
	707	2.51	4.87	-52.54	-31.64	-16.03	27.62	199.56	20.22	33.03	
186.7446.19											
662 57	622	2.85	13.80	-52.36	-34.47	-4.09	29.38	18.59	-136.72	-40.33	-
77.7975.36											
	625	3.37	22.27	-61.46	-36.50	-2.70	38.30	19.51	-145.87	-37.44	-
88.9278.58											
	710	3.51	9.39	-74.74	-48.78	-16.56	38.86	117.42	-50.64	-5.08	
71.8674.71											
	707	3.24	6.98	-68.89	-44.87	-17.04	35.29	116.60	-48.50	-7.28	
75.3871.46											
662 133	622	1.93	8.34	-36.68	-25.18	-3.17	19.64	12.22	-88.93	-28.54	-
48.1849.61											
	625	2.33	14.59	-43.61	-26.78	-2.24	26.39	13.93	-96.10	-26.66	-
55.5053.09											
	710	2.47	4.80	-53.78	-36.17	-12.81	26.86	98.27	-26.28	0.34	
71.6551.06											
	707	2.26	3.02	-49.27	-33.16	-13.09	24.14	95.83	-24.99	-1.36	
72.2047.92											
662 159	622	0.92	0.10	-21.30	-18.30	-2.91	7.44	30.35	-13.05	-9.12	
26.4312.45											
	625	1.29	5.16	-27.67	-20.07	-2.44	13.85	36.00	-16.81	-7.65	
26.8320.00											
	710	1.64	-3.81	-36.27	-27.39	-12.69	14.47	169.30	24.69	28.32	
165.6722.61											
	707	1.39	-5.35	-31.71	-24.34	-12.72	11.83	157.61	23.78	25.87	
155.5216.60											
662 164	622	0.67	-3.31	-16.50	-16.50	-3.32	0.35	28.17	-12.94	-12.39	
27.62-4.73											
	625	0.86	-0.94	-20.72	-18.36	-3.31	6.42	29.04	-13.43	-12.76	
28.36 5.30											
	710	1.47	-10.24	-30.37	-27.35	-13.25	7.19	178.64	27.39	27.98	
178.05 9.39											
	707	1.37	-11.38	-25.98	-24.34	-13.03	4.62	164.63	26.19	26.22	
164.60 2.12											
662 165	622	0.89	-2.72	-10.43	-10.23	-2.92	-1.23	123.77	13.43	17.61	
119.58-21.07											
	625	0.92	-0.84	-14.28	-12.22	-2.90	4.84	123.81	17.04	17.78	
123.07-8.87											
	710	1.99	-9.08	-21.20	-17.42	-12.85	5.61	273.98	64.29	64.34	
273.92-3.37											
	707	1.89	-10.31	-16.64	-14.33	-12.63	3.05	258.57	61.21	62.05	
257.73-12.86											
662 206	622	0.93	-2.51	-14.18	-14.06	-2.63	-1.19	110.83	9.17	11.15	
108.85-14.03											
	625	1.01	-0.85	-17.41	-15.54	-2.73	5.24	110.76	8.55	8.55	
110.75-0.90											
	710	1.85	-10.56	-25.70	-23.11	-13.15	5.71	251.50	49.47	49.55	
251.42 4.06											
	707	1.73	-11.99	-21.27	-20.47	-12.79	2.61	233.49	48.39	48.43	
233.46 -2.61											
663 16	623	3.78	3.38	-95.90	-11.96	-80.56	-35.88	127.65	-76.95	-12.51	
63.21-95.04											
	626	10.59	128.18	-219.23	-29.38	-61.67	-172.95	120.11	27.51	92.55	

55.07-42.34											
	711	6.44	13.13	-182.09	-165.76	-3.20	-54.04	148.09	-62.99	91.77	-
6.68-93.35											
	708	4.53	6.90	-110.81	-89.91	-14.00	-44.98	123.27	-69.57	35.62	
18.07-96.02											
663 102	623	4.00	12.08	-100.55	-7.96	-80.51	-43.08	86.53	-46.16	6.79	
33.58-64.97											
	626	10.80	137.63	-224.51	-25.27	-61.62	-180.16	119.85	32.33	113.79	
38.39-22.21											
	711	6.37	18.20	-178.91	-157.57	-3.15	-61.25	103.31	-64.66	68.06	-
29.41-68.40											
	708	4.43	14.36	-110.15	-81.84	-13.95	-52.19	58.46	-65.97	10.18	-
17.70-60.63											
663 155	623	2.54	-1.25	-63.78	-15.58	-49.44	-26.28	88.91	-31.41	20.41	
37.09-59.58											
	626	7.05	82.11	-149.86	-26.55	-41.20	-115.76	94.69	25.88	83.54	
37.03-25.35											
	711	4.67	7.21	-132.60	-121.36	-4.03	-38.01	88.65	-45.85	57.43	-
14.64-56.78											
	708	3.29	4.14	-86.97	-72.54	-10.29	-33.27	65.08	-48.42	24.97	-
8.30-54.26											
663 159	623	1.28	-13.74	-29.19	-24.54	-18.40	-7.09	104.25	-26.17	27.60	
50.47-64.20											
	626	3.28	24.13	-74.14	-29.20	-20.80	-48.95	79.01	8.42	46.21	
41.22-35.20											
	711	3.19	-3.13	-89.69	-87.89	-4.93	-12.37	89.63	-27.20	54.72	
7.71-53.48											
	708	2.38	-4.34	-68.25	-65.93	-6.65	-11.94	92.84	-31.60	48.23	
13.02-59.68											
663 164	623	1.72	13.88	-32.02	-30.83	12.69	7.31	94.69	-2.93	47.66	
44.11-48.78											
	626	1.52	4.67	-34.15	-29.11	-0.37	13.05	60.80	-3.46	23.04	
34.29-31.63											
	711	1.95	-4.19	-50.55	-48.95	-5.79	8.47	60.74	-9.64	36.19	
14.91-33.54											
	708	2.21	-2.57	-54.35	-53.94	-2.98	4.58	79.49	-14.47	54.53	
10.49-41.50											
663 177	623	2.35	14.04	-34.29	-33.18	12.92	7.25	141.37	-44.42	87.30	
9.65-84.39											
	626	2.17	4.56	-36.06	-31.37	-0.14	12.99	95.48	-65.80	57.58	-
27.89-68.38											
	711	2.71	-4.12	-54.55	-53.11	-5.56	8.41	111.69	-89.68	69.96	-
47.95-81.62											
	708	2.90	-2.38	-58.54	-58.17	-2.74	4.52	140.64	-71.96	93.33	-
24.65-88.43											
663 200	623	2.41	13.85	-33.00	-31.79	12.64	7.44	109.12	-85.17	73.88	-
49.93-74.87											
	626	2.31	5.20	-35.07	-29.83	-0.04	13.54	94.37	-95.84	71.88	-
73.35-61.41											
	711	2.56	-4.12	-51.20	-49.56	-5.76	8.64	132.59	-37.07	96.33	-
0.81-69.54											
	708	2.81	-2.55	-55.09	-54.65	-2.99	4.77	161.17	-40.55	112.99	
7.64-86.01											
664 15	624	3.23	32.19	-52.42	-36.18	15.95	-33.33	29.07	-107.89	7.30	-
86.1350.07											
	627	2.47	15.09	-48.80	-32.12	-1.59	-28.06	15.09	-95.24	1.20	-
81.3536.60											
	712	2.75	9.83	-63.24	-44.83	-8.58	-31.73	118.37	9.38	29.71	
98.0442.45											
	709	3.11	18.03	-68.86	-47.68	-3.15	-37.31	120.57	2.58	27.07	
96.0847.85											
664 79	624	3.66	42.88	-60.59	-32.84	15.13	-45.84	13.10	-104.33	-17.63	-
73.6151.61											
	627	3.09	27.11	-58.17	-28.65	-2.41	-40.57	-2.18	-115.90	-24.55	-
93.5445.20											
	712	3.38	22.47	-70.80	-38.92	-9.40	-44.24	130.46	0.84	23.32	
107.9849.08											
	709	3.68	30.37	-76.24	-41.90	-3.97	-49.82	129.99	11.49	33.30	
108.1745.93											
664 144	624	2.59	29.97	-42.04	-24.20	12.13	-31.08	6.57	-82.51	-12.57	-

63.3636.59										
	627	2.11	17.42	-39.82	-20.93	-1.47	-26.91	-3.22	-88.55	-15.08
76.6829.52										
	712	2.33	13.73	-50.15	-29.48	-6.93	-29.89	99.36	6.13	19.52
85.9632.70										
	709	2.58	19.94	-54.65	-31.99	-2.72	-34.30	99.42	11.59	25.15
85.8731.73										
664 159	624	1.89	18.42	-26.30	-21.88	14.00	-13.34	6.02	-96.50	-1.04
89.4425.96										
	627	1.24	3.55	-22.00	-18.49	0.05	-8.79	6.84	-88.98	5.87
88.019.60										
	712	1.36	-0.58	-35.06	-29.95	-5.69	-12.25	95.00	23.90	26.80
92.0914.08										
	709	1.63	6.06	-40.57	-33.12	-1.39	-17.08	96.19	15.81	21.53
90.4720.67										
664 164	624	1.62	15.80	-17.80	-17.33	15.33	-3.94	-3.56	-109.75	-6.14
107.1716.36										
	627	1.11	1.09	-13.81	-13.74	1.02	1.00	9.83	-107.63	9.65
107.45-4.59										
	712	1.07	-4.60	-26.89	-26.48	-5.00	-2.96	104.85	29.82	29.82
104.85-0.13										
	709	1.38	1.50	-32.51	-30.40	-0.60	-8.20	103.97	21.23	22.08
103.13 8.33										
664 165	624	1.60	15.08	-23.44	-23.29	14.92	2.44	46.75	-42.82	44.11
40.1815.15										
	627	1.36	2.99	-22.28	-19.90	0.62	7.37	59.78	-44.87	58.48
43.57-11.60										
	712	1.51	-5.04	-37.03	-36.66	-5.40	3.42	162.69	59.95	60.93
161.71-9.98										
	709	1.80	-0.93	-40.47	-40.38	-1.01	-1.82	167.70	52.06	52.32
167.44 5.46										
664 206	624	1.77	15.05	-20.46	-20.38	14.96	-1.71	-2.55	-126.53	-4.20
124.8814.20										
	627	1.35	0.94	-17.26	-16.81	0.50	2.81	18.22	-125.86	17.67
125.31-8.94										
	712	1.26	-4.95	-31.05	-30.99	-5.01	-1.22	131.88	43.34	43.51
131.71-3.82										
	709	1.57	0.41	-36.07	-35.04	-0.62	-6.02	129.27	33.12	33.35
129.03 4.77										
665 15	625	3.02	25.79	-56.63	-29.01	-1.83	38.91	68.50	-37.11	-1.46
32.8549.94										
	628	3.25	24.97	-63.64	-25.16	-13.51	43.92	82.23	-33.11	7.97
41.1455.23										
	713	3.15	12.81	-65.63	-33.24	-19.58	38.62	216.20	25.05	43.11
198.1455.91										
	710	3.17	13.63	-64.75	-35.50	-15.63	37.91	210.82	20.79	37.30
194.3053.53										
665 57	625	3.70	29.36	-67.96	-38.02	-0.58	44.91	16.91	-140.97	-36.01
88.0574.53										
	628	3.96	27.99	-74.20	-33.96	-12.25	49.93	23.90	-141.48	-28.41
89.1776.91										
	713	3.75	13.97	-79.99	-47.69	-18.33	44.63	113.55	-48.16	-0.91
66.3073.54										
	710	3.80	15.15	-79.70	-50.17	-14.37	43.92	116.95	-49.95	-4.88
71.8874.10										
665 133	625	2.59	20.08	-48.71	-27.79	-0.84	31.65	12.13	-92.72	-25.72
54.8750.36										
	628	2.79	18.82	-53.50	-24.78	-9.89	35.39	18.94	-93.00	-19.25
54.8153.07										
	713	2.66	8.22	-57.90	-35.23	-14.45	31.39	96.92	-24.16	3.85
68.9251.06										
	710	2.70	9.27	-57.71	-37.08	-11.36	30.92	98.12	-25.99	0.48
71.6550.84										
665 159	625	1.59	10.73	-33.34	-20.08	-2.53	20.21	35.91	-16.48	-7.76
27.19 19.51										
	628	1.74	9.07	-38.39	-17.49	-11.82	23.56	47.96	-13.23	1.33
33.4026.05										
	713	1.81	-0.44	-41.24	-25.67	-16.02	19.82	176.29	28.10	33.30
171.0927.27										
	710	1.86	0.90	-40.94	-27.28	-12.75	19.62	169.68	24.24	28.30

165.6223.95											
665	164	625	1.09	3.94	-25.69	-18.36	-3.39	12.78	29.27	-13.45	-12.84
28.66 5.06											
		628	1.17	1.33	-30.31	-16.06	-12.92	15.74	39.13	-6.74	-2.35
34.7413.49											
		713	1.65	-8.19	-34.31	-25.75	-16.75	12.26	186.88	31.90	33.41
185.3715.24											
		710	1.55	-6.13	-34.44	-27.26	-13.31	12.32	178.75	27.22	27.99
177.9810.78											
665	165	625	1.11	5.74	-20.12	-11.46	-2.92	12.21	123.25	14.76	15.15
122.87-6.48											
		628	1.39	4.35	-26.13	-9.33	-12.45	15.16	130.06	25.64	25.82
129.89 4.30											
		713	2.19	-4.09	-27.48	-15.29	-16.28	11.68	282.00	67.75	67.97
281.79 6.81											
		710	2.07	-2.85	-26.64	-16.65	-12.84	11.74	273.46	62.37	62.37
273.46-0.09											
665	206	625	1.16	4.07	-22.42	-15.55	-2.81	11.62	110.95	8.50	8.54
110.91-2.01											
		628	1.28	2.23	-27.71	-13.00	-12.48	14.97	118.00	17.10	18.00
117.10 9.48											
		713	2.06	-7.50	-30.53	-21.27	-16.76	11.29	262.17	54.24	54.86
261.55 11.32											
		710	1.91	-6.21	-30.02	-23.03	-13.21	10.85	251.52	49.41	49.61
251.32 6.47											
666	16	626	10.38	105.73	-239.39	-72.93	-60.73	-172.45	128.60	42.55	120.52
50.63-25.10											
		629	16.15	193.10	-345.03	-269.20	117.26	-187.24	267.48	-77.52	225.81
35.85-112.42											
		714	8.49	26.74	-224.28	-221.86	24.32	-24.50	176.00	-118.78	83.63
26.41-136.74											
		711	6.05	15.15	-167.80	-148.27	-4.38	-56.50	155.61	-69.85	99.53
13.77-97.46											
666	102	626	11.00	113.68	-245.62	-71.08	-60.87	-179.58	118.34	7.51	98.88
26.97-42.17											
		629	16.43	198.26	-348.46	-267.32	117.12	-194.37	237.34	-71.36	207.73
41.75-90.91											
		714	8.25	28.27	-220.32	-216.23	24.18	-31.63	137.81	-101.06	69.17
32.41-108.10											
		711	6.05	20.32	-167.49	-142.66	-4.52	-63.62	118.68	-70.45	83.57
35.34-73.54											
666	155	626	7.10	64.79	-162.17	-56.94	-40.44	-113.18	96.30	6.70	73.93
29.08-38.78											
		629	10.81	122.71	-236.31	-185.97	72.37	-124.66	166.23	-44.15	141.93
19.85-67.25											
		714	5.91	14.82	-159.78	-157.77	12.80	-18.65	104.82	-68.50	53.39
17.08-79.18											
		711	4.41	7.08	-123.62	-111.39	-5.15	-38.06	98.17	-49.48	67.47
18.78-59.92											
666	159	626	3.05	14.23	-77.62	-43.43	-19.97	-44.40	78.53	16.71	56.18
39.06-29.70											
		629	5.18	45.95	-123.53	-105.24	27.66	-52.58	107.15	-20.96	82.16
4.03-50.76											
		714	3.71	1.58	-101.29	-101.18	1.47	-3.29	84.76	-42.06	42.44
0.26-59.80											
		711	3.01	-4.40	-83.32	-82.00	-5.72	-10.12	90.96	-29.29	56.69
4.98-54.28											
666	164	626	1.82	10.29	-38.55	-28.67	0.41	19.62	60.98	-3.69	24.02
33.28-32.00											
		629	1.34	-5.15	-35.26	-23.26	-17.15	14.74	38.21	-3.92	10.33
23.96-19.93											
		714	1.50	-8.31	-42.48	-40.84	-9.95	7.31	39.44	-4.01	21.84
13.59-21.33											
		711	2.07	-2.70	-52.56	-48.87	-6.40	13.07	59.13	-9.51	35.27
14.35-32.69											
666	177	626	2.52	10.57	-39.80	-30.41	1.19	19.61	103.81	-69.90	62.11
28.21-74.19											
		629	2.02	-5.32	-36.03	-24.99	-16.36	14.73	94.06	-81.05	48.82
35.82-76.65											
		714	2.23	-7.72	-45.93	-44.48	-9.17	7.30	88.19	-93.78	44.12

49.72-77.95										
	711	2.78	-2.22	-55.92	-52.53	-5.61	13.06	100.13	-94.64	56.46	-
50.98-81.22										
666 200	626	2.61	10.69	-39.45	-29.41	0.66	20.06	97.82	-98.33	74.32	-
74.82-63.71										
	629	1.87	-4.64	-36.18	-23.77	-17.05	15.41	41.49	-128.83	13.96	-
101.30-62.69										
	714	1.89	-8.18	-42.87	-41.12	-9.94	7.61	86.74	-28.73	54.14	
3.86-51.98										
	711	2.70	-2.56	-53.23	-49.45	-6.33	13.30	131.95	-39.05	94.78	-
1.88-70.53										
667 15	627	2.03	7.17	-41.12	-31.76	-2.20	-19.10	13.29	-94.81	-1.41	-
80.1037.06										
	630	2.14	5.97	-49.31	-24.08	-19.26	-27.53	-5.37	-106.01	-26.02	-
85.3640.64										
	715	2.63	5.25	-61.53	-41.86	-14.42	-30.44	120.03	4.62	21.67	
102.9840.95										
	712	2.46	4.91	-58.44	-44.51	-9.02	-26.24	116.58	9.74	28.24	
98.0940.42										
667 79	627	2.72	17.81	-51.14	-30.45	-2.89	-31.60	32.19	-93.59	10.32	-
71.7247.67										
	630	2.91	18.72	-61.41	-22.74	-19.95	-40.04	5.04	-116.72	-15.99	-
95.6946.03										
	715	3.23	17.91	-70.96	-37.94	-15.11	-42.94	109.34	-4.24	15.50	
89.6043.04										
	712	3.09	16.55	-66.88	-40.62	-9.71	-38.75	128.97	1.93	23.15	
107.7447.39										
667 144	627	1.82	10.45	-34.39	-22.08	-1.85	-20.01	19.86	-73.97	8.01	-
62.1231.17										
	630	1.91	10.88	-42.08	-16.08	-15.12	-26.47	-3.82	-89.83	-14.29	-
79.3628.13										
	715	2.21	10.23	-49.91	-28.32	-11.37	-28.85	85.72	2.27	12.65	
75.3427.53										
	712	2.11	9.31	-47.09	-30.59	-7.19	-25.66	98.09	7.03	19.31	
85.81 31.10										
667 159	627	1.07	-0.22	-18.35	-18.16	-0.42	-1.86	5.35	-88.55	4.33	-
87.539.73										
	630	1.05	-4.73	-21.36	-11.93	-14.16	-8.24	-23.98	-94.70	-24.08	-
94.602.67										
	715	1.25	-4.74	-32.37	-26.79	-10.32	-11.09	101.56	16.16	17.05	
100.66 8.72										
	712	1.19	-3.60	-32.20	-29.72	-6.07	-8.04	94.02	24.00	25.89	
92.12 11.37										
667 164	627	1.19	4.16	-16.97	-13.37	0.56	7.94	8.66	-107.53	8.48	-
107.35-4.63										
	630	1.10	-6.50	-14.04	-6.89	-13.66	1.65	-23.26	-120.67	-27.20	-
116.73-19.19										
	715	1.01	-9.51	-22.87	-22.66	-9.73	-1.67	117.81	16.59	17.35	
117.06-8.70										
	712	1.04	-5.33	-26.35	-26.28	-5.40	1.26	105.05	28.90	29.08	
104.87 -3.71										
667 173	627	1.59	7.89	-26.07	-18.22	0.03	14.32	50.10	-62.04	44.00	-
55.94-25.43										
	630	1.06	-4.83	-21.08	-11.73	-14.19	8.03	34.30	-74.08	10.89	-
50.67-44.60										
	715	1.57	-9.23	-31.92	-30.89	-10.25	4.71	186.72	38.38	44.23	
180.88-28.86										
	712	1.54	-4.02	-36.43	-34.52	-5.93	7.64	156.79	49.96	53.55	
153.21-19.23										
667 206	627	1.46	4.58	-20.98	-16.43	0.03	9.77	17.20	-125.83	16.60	-
125.23-9.26										
	630	1.22	-8.40	-15.70	-9.88	-14.22	2.94	-19.69	-141.90	-25.67	-
135.92-26.36										
	715	1.22	-9.70	-27.03	-27.02	-9.71	-0.48	148.39	27.60	29.03	
146.96-13.06										
	712	1.25	-5.07	-31.12	-30.78	-5.42	2.97	132.41	42.06	42.77	
131.70-7.98										
668 15	628	3.70	32.84	-71.84	-24.68	-14.33	52.08	82.28	-31.52	8.47	
42.2954.33										
	631	3.29	20.06	-69.85	-16.42	-33.37	44.15	97.03	-22.01	23.45	

51.5757.83											
	716	2.92	10.58	-63.73	-27.60	-25.55	37.14	215.55	32.08	50.04	
197.5854.53											
	713	3.51	19.08	-72.01	-32.96	-19.98	45.08	217.14	24.07	43.23	
197.9857.72											
668 57	628	4.29	34.26	-81.54	-34.98	-12.30	56.78	20.30	-136.31	-27.96	-
88.0572.31											
	631	3.92	20.00	-77.83	-26.49	-31.34	48.85	31.25	-130.58	-14.22	-
85.1072.74											
	716	3.43	9.59	-76.38	-43.25	-23.53	41.84	103.84	-40.29	4.26	
59.2866.61											
	713	4.03	18.72	-85.51	-48.84	-17.95	49.78	112.69	-47.97	-1.31	
66.0372.93											
668 133	628	3.06	23.81	-59.23	-25.42	-10.00	40.80	16.59	-89.43	-18.85	-
53.9950.01											
	631	2.77	12.82	-56.54	-19.00	-24.73	34.56	25.94	-84.32	-7.16	-
51.2350.53											
	716	2.41	4.83	-55.14	-31.74	-18.57	29.25	90.54	-17.67	8.30	
64.5746.22											
	713	2.88	12.00	-62.20	-35.96	-14.24	35.48	96.52	-24.18	3.62	
68.7150.82											
668 159	628	2.08	15.17	-44.76	-17.15	-12.44	29.87	48.39	-12.35	1.94	
34.1025.77											
	631	1.75	5.30	-43.87	-11.16	-27.42	23.20	59.34	-1.06	17.70	
40.5827.95											
	716	1.76	-3.01	-39.34	-21.56	-20.79	18.16	177.18	34.99	39.87	
172.3025.88											
	713	2.05	4.31	-46.07	-25.45	-16.31	24.77	176.64	27.80	33.51	
170.9328.59											
668 164	628	1.51	7.48	-36.75	-15.75	-13.52	22.08	39.73	-5.98	-1.56	
35.3113.52											
	631	1.28	-1.74	-37.06	-10.04	-28.76	14.97	48.76	9.96	17.44	
41.28 15.31											
	716	1.76	-11.53	-31.94	-21.82	-21.65	10.21	189.09	39.67	40.91	
187.8413.59											
	713	1.76	-3.56	-38.99	-25.52	-17.03	17.20	186.96	31.94	33.71	
185.1916.49											
668 165	628	1.67	10.12	-33.27	-8.41	-14.73	21.46	130.71	24.98	25.46	
130.23 7.15											
	631	1.87	3.32	-36.16	-2.86	-29.97	14.35	135.93	42.79	44.13	
134.59 11.09											
	716	2.38	-5.68	-28.21	-11.02	-22.87	9.59	282.80	73.36	73.78	
282.38 9.36											
	713	2.33	0.27	-33.08	-14.56	-18.24	16.57	281.80	66.45	66.91	
281.34 9.94											
668 206	628	1.55	8.43	-34.20	-12.69	-13.09	21.31	118.39	18.06	18.82	
117.64 8.67											
	631	1.73	0.49	-35.79	-6.83	-28.46	14.57	125.64	35.26	37.33	
123.5713.53											
	716	2.22	-9.51	-29.43	-17.19	-21.75	9.69	266.10	61.70	62.33	
265.47 11.33											
	713	2.15	-2.69	-35.40	-21.04	-17.04	16.23	262.23	54.30	55.18	
261.35 13.51											
669 16	629	22.45	324.45	-435.57	-373.79	262.67	-207.69	291.84	-77.96	226.04	-
12.17-141.43											
	632	24.78	274.34	-494.28	-379.23	159.29	274.22	201.31	-289.23	-5.50	-
82.42-242.23											
	717	6.26	-1.47	-179.36	-178.49	-2.34	12.42	149.54	-185.38	-35.26	-
0.58-166.56											
	714	8.07	-0.59	-212.42	-211.68	-1.34	12.55	175.05	-132.33	82.56	-
39.85-140.98											
669 36	629	22.36	321.92	-432.67	-372.08	261.33	-205.07	330.90	63.55	290.42	
104.03-95.83											
	632	24.68	275.34	-494.90	-377.50	157.94	276.84	223.99	-217.07	44.59	-
37.67-216.66											
	717	6.46	-2.38	-176.76	-175.45	-3.68	15.04	186.31	-220.36	-62.79	
28.74-198.12											
	714	7.51	-1.57	-209.77	-208.66	-2.68	15.18	180.54	-50.57	69.09	
60.88-115.48											
669 112	629	14.79	206.57	-293.76	-256.29	169.09	-131.70	203.91	-50.08	154.10	-

0.27-100.85											
	632	16.47	172.85	-335.43	-258.45	95.87	182.21	141.95	-191.69	-1.31	-
48.42-165.15											
	717	4.51	-5.14	-131.65	-131.20	-5.58	7.48	107.89	-122.25	-18.19	
3.83-114.54											
	714	5.88	-3.41	-155.76	-154.76	-4.41	12.29	129.71	-89.46	62.33	-
22.07-101.13											
669 159	629	7.19	89.13	-152.40	-138.79	75.51	-55.71	116.72	-22.94	82.16	
11.62-60.27											
	632	8.17	71.38	-176.59	-137.67	32.45	90.21	82.72	-94.28	2.87	-
14.43-88.07											
	717	2.77	-8.74	-84.00	-83.92	-8.82	2.55	66.25	-59.14	-1.12	
8.23-62.52											
	714	3.71	-5.91	-99.41	-97.84	-7.49	12.03	84.42	-46.63	42.10	-
4.30-61.28											
669 164	629	1.60	0.66	-40.02	-21.29	-18.07	20.28	37.65	-3.92	10.22	
23.51-19.69											
	632	1.01	-16.66	-31.19	-16.88	-30.96	-1.80	25.96	0.66	7.05	
19.57-10.99											
	717	1.16	-11.84	-36.86	-36.63	-12.07	-2.38	24.93	3.66	15.96	
12.63-10.50											
	714	1.63	-6.53	-44.95	-40.92	-10.56	11.77	39.51	-4.17	21.86	
13.47-21.44											
669 177	629	2.35	3.36	-43.46	-22.90	-17.20	23.23	40.05	-128.41	-34.12	-
54.24-83.63											
	632	1.13	-18.45	-30.21	-18.56	-30.09	1.16	38.49	-76.35	-27.95	-
9.92-56.71											
	717	1.48	-11.18	-39.47	-39.46	-11.19	0.57	56.29	-31.43	31.80	-
6.94-39.35											
	714	2.33	-4.20	-49.18	-43.69	-9.69	14.73	66.88	-90.01	29.50	-
52.63-66.83											
669 200	629	2.16	1.16	-40.86	-21.72	-17.98	20.92	42.96	-127.40	4.51	-
88.95-71.22											
	632	1.58	-16.96	-31.37	-17.07	-31.26	-1.24	-71.30	-116.52	-75.97	-
111.85-13.77											
	717	1.23	-11.90	-36.77	-36.59	-12.08	-2.12	39.40	0.86	26.88	
13.38-18.05											
	714	2.00	-6.37	-45.41	-41.22	-10.57	12.10	78.76	-30.31	48.63	-
0.17-48.77											
670 15	630	1.70	-3.24	-42.96	-25.36	-20.84	-19.73	-5.73	-99.51	-25.72	-
79.5238.41											
	633	2.93	14.91	-61.88	-21.77	-25.19	-38.36	-0.39	-131.44	-39.35	-
92.4859.90											
	718	2.96	8.76	-66.64	-40.86	-17.03	-35.77	122.48	-1.78	20.21	
100.4947.42											
	715	2.36	0.84	-55.79	-40.61	-14.34	-25.08	118.48	0.94	19.29	
100.1342.66											
670 79	630	2.33	9.88	-55.20	-24.11	-21.21	-32.50	-10.63	-104.60	-23.23	-
92.0032.02											
	633	3.60	28.23	-74.16	-20.35	-25.57	-51.13	-4.82	-127.16	-37.69	-
94.2954.23											
	718	3.64	21.38	-78.15	-39.36	-17.41	-48.54	122.76	-1.22	23.05	
98.4949.20											
	715	2.96	12.80	-66.79	-39.28	-14.71	-37.85	107.11	1.61	20.71	
88.0140.62											
670 144	630	1.46	4.05	-37.28	-17.09	-16.14	-20.66	-14.53	-81.19	-19.94	-
75.7818.21											
	633	2.46	18.33	-52.04	-14.21	-19.51	-35.08	-14.94	-100.40	-36.14	-
79.1936.91											
	718	2.52	13.00	-55.17	-29.01	-13.16	-33.15	96.24	2.76	16.49	
82.5033.10											
	715	2.00	6.39	-46.58	-29.09	-11.10	-24.91	83.88	5.74	15.72	
73.9026.08											
670 159	630	0.97	-11.47	-16.75	-12.78	-15.44	-2.28	-27.50	-87.91	-27.51	-
87.91-0.55											
	633	1.33	3.19	-32.02	-9.96	-18.87	-17.03	-49.37	-110.81	-59.93	-
100.2523.18											
	718	1.49	-2.22	-35.45	-25.37	-12.30	-15.28	108.11	8.49	11.51	
105.0917.08											
	715	1.11	-7.59	-28.54	-25.88	-10.26	-6.98	99.27	13.40	14.57	

98.09 9.97											
670 164	630	1.08	-2.88	-19.74	-7.63	-14.99	7.58	-26.63	-115.15	-33.41	-
108.36-23.56											
	633	1.29	-1.47	-21.79	-4.77	-18.48	-7.50	-81.81	-123.30	-82.60	-
122.515.67											
	718	1.14	-8.76	-23.66	-20.74	-11.68	-5.92	126.38	8.38	8.42	
126.34 2.25											
	715	1.01	-9.20	-22.25	-21.78	-9.67	2.43	114.77	13.81	14.37	
114.21 -7.51											
670 176	630	1.53	-1.79	-16.06	-2.17	-15.68	2.30	-25.16	-165.50	-25.22	-
165.442.89											
	633	1.88	6.90	-25.43	0.63	-19.17	-12.78	-80.40	-212.07	-84.09	-
208.3921.72											
	718	0.92	-1.31	-23.72	-12.66	-12.37	-11.20	35.85	-17.93	-17.07	
35.00 6.74											
	715	0.65	-8.71	-15.29	-13.65	-10.36	-2.85	52.60	-6.02	-5.21	
51.80 6.83											
670 210	630	1.18	-4.67	-21.37	-10.34	-15.70	7.91	-23.16	-134.89	-33.74	-
124.32-32.70											
	633	1.42	-3.70	-22.94	-7.62	-19.02	-7.75	-94.19	-141.63	-94.66	-
141.164.69											
	718	1.32	-9.38	-27.06	-24.75	-11.69	-5.97	157.53	17.89	17.90	
157.53 0.78											
	715	1.21	-9.20	-26.08	-25.54	-9.73	2.96	143.14	23.42	24.69	
141.87-12.27											
671 15	631	3.69	27.20	-77.41	-15.19	-35.02	51.36	96.69	-19.14	25.49	
52.0656.37											
	634	2.47	5.59	-60.25	-9.80	-44.85	27.87	99.89	-8.48	35.01	
56.4053.12											
	719	2.24	1.09	-53.67	-24.19	-28.39	27.30	208.33	38.30	53.30	
193.3448.22											
	716	3.26	16.35	-69.72	-27.41	-25.95	43.03	216.30	31.26	50.17	
197.3956.05											
671 57	631	4.23	25.98	-84.78	-26.44	-32.35	55.30	28.35	-125.76	-12.69	-
84.7268.12											
	634	3.08	1.98	-65.10	-20.94	-42.18	31.81	28.91	-119.07	-4.26	-
85.9061.71											
	719	2.69	-1.13	-65.42	-40.82	-25.72	31.25	85.98	-30.96	5.66	
49.3654.24											
	716	3.70	14.40	-81.84	-44.16	-23.28	46.97	102.20	-39.65	3.62	
58.9365.31											
671 133	631	3.02	17.54	-61.97	-18.86	-25.58	39.61	24.04	-80.86	-5.85	-
50.9647.36											
	634	2.14	-0.70	-47.26	-14.72	-33.23	21.36	24.35	-74.63	1.20	-
51.4741.90											
	719	1.83	-3.55	-46.65	-29.84	-20.37	21.02	77.85	-10.13	9.73	
57.9836.79											
	716	2.62	8.61	-59.37	-32.31	-18.45	33.28	89.59	-17.38	7.91	
64.3145.45											
671 159	631	2.07	10.71	-49.72	-10.29	-28.71	28.78	59.26	1.12	19.57	
40.8127.06											
	634	1.39	-3.54	-39.64	-6.51	-36.67	9.92	58.32	13.94	28.83	
43.4320.95											
	719	1.69	-11.07	-31.28	-19.21	-23.14	9.91	173.72	40.41	43.10	
171.0318.75											
	716	1.89	1.45	-43.92	-21.37	-21.10	22.68	177.35	34.84	40.07	
172.1226.79											
671 164	631	1.52	3.42	-42.71	-9.22	-30.07	20.57	48.70	12.24	19.55	
41.3914.59											
	634	1.41	-5.68	-38.37	-5.72	-38.33	1.11	45.61	28.13	30.27	
43.46 5.73											
	719	1.78	-19.25	-24.55	-19.66	-24.14	1.43	188.25	44.55	44.70	
188.09 4.72											
	716	1.85	-7.06	-36.49	-21.58	-21.97	14.72	189.01	39.82	41.20	
187.6314.30											
671 165	631	2.15	10.35	-44.00	-1.87	-31.79	22.69	136.19	43.92	45.56	
134.56 12.16											
	634	2.09	1.81	-40.29	1.56	-40.04	3.23	135.28	55.25	55.86	
134.66 6.98											
	719	2.44	-8.04	-26.56	-8.74	-25.85	3.54	280.54	75.82	75.95	

280.41 5.07											
	716	2.51	0.92	-35.20	-10.60	-23.68	16.83	282.61	72.20	72.89	
281.93 11.97											
671 206	631	1.93	5.51	-41.30	-6.01	-29.78	20.16	125.35	37.79	39.46	
123.6712.00											
	634	1.93	-2.44	-38.11	-2.47	-38.08	1.02	126.23	49.56	50.07	
125.72 6.21											
	719	2.26	-14.79	-24.45	-14.98	-24.26	1.33	265.99	65.93	66.02	
265.90 4.16											
	716	2.29	-5.08	-33.94	-16.96	-22.06	14.20	266.09	61.81	62.63	
265.2612.95											
672 15	632	16.94	137.84	-353.27	-227.96	12.53	214.09	155.76	-369.30	-142.60	-
70.94-260.07											
	635	8.53	25.83	-209.10	-77.39	-105.88	116.60	49.61	-210.86	-153.25	-
8.00-108.10											
	720	5.82	-9.45	-161.03	-147.70	-22.78	42.93	106.17	-227.87	-110.05	-
11.65-159.61											
	717	8.85	19.43	-234.01	-225.46	10.87	45.77	156.35	-141.81	4.39	
10.15-149.05											
672 36	632	17.47	143.35	-343.66	-220.80	20.48	211.52	259.81	-381.72	-90.57	-
31.33-319.39											
	635	9.91	36.40	-207.15	-68.92	-101.82	120.66	226.45	-212.91	-87.95	
101.48-198.21											
	720	6.00	-5.40	-147.35	-131.79	-20.96	44.34	226.28	-265.80	-125.22	
85.70-222.29											
	717	8.35	21.08	-218.89	-210.95	13.15	42.91	192.66	-178.58	-22.76	
36.84-183.21											
672 122	632	11.70	86.68	-236.19	-152.84	3.33	141.30	181.47	-254.38	-58.54	-
14.37-216.80											
	635	6.31	10.59	-137.58	-53.09	-73.89	73.35	157.60	-138.11	-55.79	
75.27-132.54											
	720	4.06	-10.41	-108.76	-101.68	-17.50	25.42	155.91	-171.09	-76.72	
61.54-148.16											
	717	5.91	9.98	-158.08	-152.84	4.74	29.20	136.68	-117.55	-9.66	
28.78-125.66											
672 159	632	5.75	30.93	-129.88	-85.57	-13.38	71.85	66.14	-123.10	-44.40	-
12.56-93.27											
	635	2.41	-14.64	-68.81	-37.94	-45.51	26.82	28.34	-64.31	-46.25	
10.28-36.71											
	720	2.41	-12.70	-73.61	-72.73	-13.58	7.27	44.27	-65.86	-25.19	
3.60-53.15											
	717	3.56	-0.44	-98.67	-95.90	-3.21	16.27	66.36	-44.96	10.84	
10.56-55.66											
672 164	632	1.02	-16.87	-31.04	-16.92	-30.98	0.85	26.12	-1.03	5.52	
19.57-11.62											
	635	1.43	1.60	-41.05	-21.43	-18.03	-21.26	22.95	8.44	8.53	
22.85 -1.18											
	720	1.53	-6.19	-45.84	-41.46	-10.56	-12.42	20.28	13.21	20.28	
13.21 0.10											
	717	1.19	-11.93	-36.74	-36.61	-12.06	1.79	25.33	3.88	16.54	
12.66-10.55											
672 170	632	1.07	-18.42	-30.19	-18.49	-30.11	0.91	16.45	-55.31	-28.72	-
10.1434.65											
	635	2.01	1.35	-41.45	-22.94	-17.16	-21.20	19.73	-107.70	-34.79	-
53.1863.05											
	720	2.07	-5.69	-47.92	-43.92	-9.69	-12.37	47.88	-74.17	26.73	-
53.0246.20											
	717	1.38	-11.07	-39.23	-39.11	-11.19	1.84	39.43	-14.45	31.55	-
6.5719.04											
672 202	632	1.78	-17.47	-30.72	-17.49	-30.70	0.50	154.08	88.66	89.95	
152.79 -9.10											
	635	1.97	1.55	-41.66	-21.99	-18.12	-21.52	155.01	0.35	16.12	
139.25-46.79											
	720	1.68	-6.22	-47.23	-42.88	-10.56	-12.62	38.42	-13.29	-3.45	
28.57-20.30											
	717	1.17	-11.96	-37.95	-37.86	-12.05	1.53	22.20	-2.30	7.22	
12.67-11.94											
673 15	633	2.35	5.34	-52.97	-22.25	-25.38	-29.12	1.75	-122.98	-29.01	-
92.2253.76											
	636	3.56	24.60	-71.37	-25.30	-21.48	-47.95	21.72	-119.83	-17.95	-

80.1663.57											
	721	3.35	14.90	-72.60	-42.97	-14.73	-41.41	121.02	-9.37	23.29	
88.3656.50											
	718	2.71	3.83	-61.45	-40.55	-17.06	-30.45	123.84	-7.75	15.88	
100.2150.51											
673 79	633	3.02	17.64	-66.27	-23.41	-25.22	-41.94	-2.87	-119.38	-28.09	-
94.1547.99											
	636	4.22	37.01	-84.64	-26.30	-21.32	-60.77	21.41	-103.77	-15.03	-
67.3256.87											
	721	4.03	26.90	-85.48	-44.00	-14.58	-54.23	128.74	-5.91	22.12	
100.7254.66											
	718	3.39	15.72	-74.32	-41.69	-16.90	-43.28	122.71	-11.86	13.08	
97.7752.29											
673 144	633	2.02	10.28	-45.81	-16.25	-19.28	-28.01	-13.30	-95.37	-29.57	-
79.1032.73											
	636	2.98	25.21	-59.98	-18.55	-16.21	-42.58	11.09	-84.80	-14.35	-
59.3642.34											
	721	2.83	17.38	-60.63	-32.24	-11.01	-37.53	100.38	-1.24	16.73	
82.4038.77											
	718	2.34	8.73	-52.12	-30.56	-12.83	-29.11	96.81	-5.02	9.77	
82.0235.88											
673 159	633	1.17	-3.72	-25.38	-10.15	-18.95	-9.90	-47.36	-108.54	-55.76	-
100.1421.05											
	636	1.91	10.60	-39.00	-12.74	-15.66	-24.75	-5.12	-107.51	-24.37	-
88.2740.00											
	721	1.77	2.72	-39.81	-26.70	-10.39	-19.64	103.74	6.77	16.21	
94.3028.74											
	718	1.36	-5.82	-31.74	-25.25	-12.31	-11.23	109.47	5.27	9.76	
104.97 21.17											
673 164	633	1.24	-4.81	-18.52	-4.82	-18.51	-0.33	-80.60	-123.21	-81.33	-
122.485.52											
	636	1.30	4.62	-27.22	-7.60	-15.00	-15.48	-20.01	-121.05	-32.44	-
108.6233.19											
	721	1.26	-3.78	-27.72	-21.84	-9.67	-10.31	117.42	11.92	14.90	
114.4317.49											
	718	1.09	-11.30	-21.09	-20.70	-11.68	-1.90	126.80	7.39	7.88	
126.30 7.65											
673 182	633	1.20	-1.74	-23.59	-7.09	-18.24	-9.39	-78.28	-100.39	-80.36	-
98.316.45											
	636	1.85	12.40	-36.92	-9.79	-14.73	-24.54	-13.72	-103.13	-32.79	-
84.0636.62											
	721	1.76	3.74	-37.94	-24.81	-9.39	-19.37	143.63	16.69	20.04	
140.2820.34											
	718	1.43	-5.00	-30.13	-23.72	-11.41	-10.96	152.42	13.09	13.76	
151.75 9.62											
673 210	633	1.37	-7.66	-19.08	-7.68	-19.05	-0.51	-92.80	-141.61	-93.29	-
141.114.91											
	636	1.46	3.34	-29.53	-10.54	-15.65	-16.23	-17.12	-140.39	-32.41	-
125.1040.64											
	721	1.46	-4.19	-31.49	-26.00	-9.68	-10.94	146.43	22.19	25.72	
142.9020.65											
	718	1.28	-11.41	-24.99	-24.71	-11.70	-1.96	157.90	16.92	17.33	
157.49 7.55											
674 15	634	2.78	11.36	-65.71	-9.54	-44.82	34.26	97.39	-6.12	34.78	
56.4950.60											
	637	1.36	-8.17	-38.41	-12.77	-33.81	10.86	91.21	-9.46	27.07	
54.6848.41											
	722	1.88	-8.33	-43.07	-26.17	-25.22	17.37	198.13	38.47	50.40	
186.2041.97											
	719	2.56	6.54	-59.26	-24.33	-28.38	32.84	209.14	37.48	53.25	
193.3649.58											
674 57	634	3.31	7.59	-70.80	-20.99	-42.22	37.73	22.84	-113.88	-5.10	-
85.9455.13											
	637	1.97	-13.03	-42.51	-24.33	-31.21	14.33	8.59	-111.11	-13.13	-
89.3946.14											
	722	2.10	-9.73	-56.31	-43.42	-22.62	20.84	66.36	-24.52	1.45	
40.3941.06											
	719	2.95	3.52	-70.77	-41.48	-25.78	36.31	84.36	-30.54	4.63	
49.1852.95											
674 133	634	2.31	3.54	-51.55	-14.75	-33.26	25.95	20.08	-70.94	0.63	-

51.5037.31											
	637	1.30	-12.54	-29.70	-17.44	-24.80	7.75	8.36	-68.61	-6.18	-
54.0730.13											
	722	1.40	-10.31	-39.54	-31.85	-18.00	12.87	64.36	-5.92	6.45	
51.9926.77											
	719	2.04	0.11	-50.79	-30.27	-20.40	24.96	76.94	-10.02	9.05	
57.8735.98											
674 157	634	1.44	-4.64	-39.38	-5.69	-38.34	5.94	44.66	29.07	30.26	
43.47 4.14											
	637	1.34	-2.51	-36.63	-9.19	-29.95	-13.54	42.37	18.37	19.32	
41.42-4.68											
	722	1.76	-14.21	-29.46	-21.75	-21.92	-7.62	188.10	40.98	41.12	
187.96-4.53											
	719	1.80	-15.80	-28.01	-19.67	-24.14	5.68	188.27	44.52	44.70	
188.09 5.08											
674 164	634	1.44	-4.64	-39.38	-5.69	-38.34	5.94	44.66	29.07	30.26	
43.47 4.14											
	637	1.34	-2.51	-36.63	-9.19	-29.95	-13.54	42.37	18.37	19.32	
41.42-4.68											
	722	1.76	-14.21	-29.46	-21.75	-21.92	-7.62	188.10	40.98	41.12	
187.96-4.53											
	719	1.80	-15.80	-28.01	-19.67	-24.14	5.68	188.27	44.52	44.70	
188.09 5.08											
674 169	634	2.12	2.96	-41.64	1.36	-40.03	8.31	135.82	54.49	55.47	
134.83 8.88											
	637	1.88	1.68	-35.39	-2.07	-31.64	-11.18	127.35	43.26	43.31	
127.30 2.03											
	722	2.34	-9.17	-25.53	-11.08	-23.62	-5.26	274.90	70.41	70.41	
274.90 0.30											
	719	2.46	-5.84	-29.07	-9.08	-25.83	8.05	280.82	74.54	74.85	
280.52 7.87											
674 206	634	1.96	-1.51	-39.02	-2.44	-38.09	5.84	125.90	49.82	50.01	
125.71 3.78											
	637	1.79	-0.02	-35.62	-6.01	-29.62	-13.33	123.77	39.08	39.13	
123.72 -2.01											
	722	2.21	-11.85	-27.24	-17.10	-21.99	-7.30	264.73	62.10	62.16	
264.67-3.40											
	719	2.28	-12.37	-26.88	-14.99	-24.26	5.59	266.04	65.83	65.98	
265.89 5.43											
675 15	635	8.88	49.74	-199.63	-53.72	-96.17	122.87	27.51	-233.38	-143.80	-
62.07-123.88											
	638	2.74	-36.33	-70.95	-36.62	-70.65	3.20	78.61	-194.97	-65.17	-
51.18-136.61											
	723	4.22	-16.59	-115.71	-114.38	-17.92	11.40	83.77	-193.97	-93.82	-
16.37-133.36											
	720	5.96	-8.77	-172.15	-161.79	-19.13	39.82	108.52	-194.24	-93.57	
7.85-142.63											
675 57	635	9.45	47.37	-196.46	-51.73	-97.36	119.76	118.24	-294.88	-207.90	
31.27-168.42											
	638	3.33	-34.60	-71.83	-34.60	-71.83	0.09	164.05	-229.80	-125.76	
60.01-173.65											
	723	4.87	-18.37	-112.54	-111.80	-19.11	8.29	184.57	-223.00	-136.79	
98.36-166.45											
	720	6.25	-11.21	-168.33	-159.22	-20.31	36.71	202.48	-237.91	-140.28	
104.84-182.94											
675 133	635	6.21	26.74	-131.54	-37.61	-67.18	77.74	81.60	-195.18	-137.49	
23.90-112.43											
	638	2.09	-26.59	-48.15	-26.93	-47.81	-2.67	111.98	-148.59	-80.79	
44.18-114.33											
	723	3.45	-13.38	-81.40	-81.20	-13.59	3.70	124.18	-143.52	-86.74	
67.40-109.44											
	720	4.32	-9.50	-117.03	-111.67	-14.87	23.41	136.97	-156.05	-90.77	
71.69-121.93											
675 159	635	2.61	-3.99	-68.95	-31.19	-41.75	32.05	20.08	-70.97	-43.20	-
7.70-41.92											
	638	1.40	-15.04	-36.80	-28.61	-23.23	-10.54	35.67	-43.76	-8.75	
0.67-39.43											
	723	2.26	-9.31	-66.70	-66.43	-9.58	-3.95	33.65	-43.69	-12.34	
2.31-37.97											
	720	2.56	-10.86	-78.54	-77.38	-12.01	8.77	45.06	-54.33	-19.51	

10.25-47.41											
675	164	635	1.19	-4.23	-36.30	-23.43	-17.10	-15.72	23.02	8.28	8.36
22.93	-1.11										
		638	1.67	11.06	-39.43	-28.94	0.57	-20.49	38.65	15.53	22.89
31.2910.77											
		723	1.98	-2.43	-53.88	-49.95	-6.37	-13.67	38.65	8.46	33.41
13.71 11.44											
		720	1.43	-8.05	-43.28	-41.38	-9.95	-7.94	20.62	13.46	20.61
13.47 0.23											
675	170	635	1.86	-4.34	-36.98	-25.00	-16.32	-15.73	74.59	-64.12	46.15	-
35.6856.00											
		638	2.38	11.37	-40.56	-30.53	1.34	-20.50	85.61	-54.38	60.34	-
29.1253.84											
		723	2.66	-1.94	-56.85	-53.20	-5.60	-13.68	81.34	-78.37	53.54	-
50.5760.55											
		720	2.11	-7.47	-46.32	-44.61	-9.17	-7.95	69.41	-77.76	41.95	-
50.3157.33											
675	204	635	1.67	-3.63	-37.11	-23.72	-17.02	-16.40	23.07	-114.86	11.49	-
103.2938.24											
		638	2.45	11.52	-40.18	-29.46	0.80	-20.96	82.00	-87.37	72.61	-
77.9838.76											
		723	2.57	-2.26	-54.18	-50.13	-6.31	-13.93	110.31	-21.36	92.04	-
3.0945.52											
		720	1.76	-7.89	-43.29	-41.24	-9.93	-8.25	64.48	-9.01	52.14	
3.3327.47											
676	15	636	3.13	18.34	-62.75	-24.56	-19.84	-40.48	21.23	-120.86	-16.18	-
83.4662.58											
		639	3.80	33.69	-67.51	-32.36	-1.45	-48.18	40.04	-113.93	3.89	-
77.7965.26											
		724	3.35	15.50	-73.83	-48.99	-9.34	-40.03	112.99	-6.81	30.38	
75.7955.43											
		721	3.08	9.44	-68.18	-43.97	-14.77	-35.95	122.43	-9.18	23.10	
90.1456.63											
676	79	636	3.89	30.66	-75.78	-25.71	-19.41	-53.13	20.28	-120.80	-27.50	-
73.0266.77											
		639	4.60	45.71	-80.21	-33.49	-1.01	-60.83	37.07	-132.30	-9.07	-
86.1675.40											
		724	4.14	26.31	-87.71	-52.50	-8.90	-52.68	114.98	-13.18	35.69	
66.1162.25											
		721	3.78	20.43	-82.28	-47.52	-14.33	-48.60	133.05	0.08	29.41	
103.7155.14											
676	144	636	2.71	20.32	-53.14	-18.06	-14.76	-36.69	9.81	-95.83	-21.79	-
64.2348.37											
		639	3.25	31.91	-56.59	-24.11	-0.57	-42.66	23.60	-100.26	-4.89	-
71.7752.13											
		724	2.89	17.09	-62.26	-38.52	-6.64	-36.33	88.76	-2.90	27.71	
58.1443.23											
		721	2.64	12.53	-58.08	-34.71	-10.85	-33.23	103.60	3.11	21.95	
84.7639.22											
676	159	636	1.57	5.72	-32.18	-12.10	-14.35	-18.92	-4.55	-109.44	-20.08	-
93.9137.25											
		639	2.08	17.43	-35.84	-18.39	-0.02	-25.00	14.88	-95.47	6.23	-
86.8229.65											
		724	1.73	3.65	-41.07	-31.29	-6.12	-18.48	94.87	16.97	26.76	
85.0825.82											
		721	1.60	-1.28	-36.66	-27.52	-10.42	-15.49	106.16	7.93	17.67	
96.4229.35											
676	164	636	1.11	-0.14	-20.44	-6.92	-13.66	-9.58	-17.47	-125.07	-25.91	-
116.6428.93											
		639	1.53	11.01	-23.61	-13.41	0.81	-15.78	10.36	-109.11	8.71	-
107.4613.93											
		724	1.20	-1.95	-29.77	-26.41	-5.31	-9.07	107.70	27.21	29.35	
105.5612.95											
		721	1.16	-7.24	-25.17	-22.69	-9.71	-6.18	120.45	14.27	17.59	
117.1318.49											
676	182	636	1.55	7.64	-30.23	-9.01	-13.57	-18.80	-4.36	-107.97	-21.45	-
90.8838.45											
		639	2.06	19.01	-33.61	-15.50	0.90	-25.00	17.24	-102.86	11.44	-
97.0725.74											

	724	1.74	4.28	-40.42	-30.91	-5.23	-18.29	119.87	34.13	39.76	
114.24 21.24											
	721	1.67	-0.68	-36.15	-27.21	-9.62	-15.40	148.58	24.86	29.33	
144.11 23.08											
676 210	636	1.22	-1.49	-22.62	-9.82	-14.29	-10.32	-14.15	-145.22	-24.36	-
135.01 35.13											
	639	1.76	10.91	-27.09	-16.39	0.21	-17.09	18.84	-126.74	16.62	-
124.52 17.84											
	724	1.44	-1.74	-34.37	-30.73	-5.38	-10.28	134.53	39.80	42.77	
131.57 16.50											
	721	1.37	-7.35	-29.26	-26.88	-9.74	-6.83	150.15	25.07	29.08	
146.14 22.03											
677 5	637	1.51	-8.41	-41.33	-11.86	-37.88	-10.08	55.29	21.56	23.27	
53.58 -7.40											
	640	1.32	0.78	-37.92	-19.37	-17.77	-19.33	46.35	-3.79	-3.23	
45.78 -5.30											
	725	2.21	-14.27	-42.63	-34.45	-22.45	-12.85	253.11	45.03	45.42	
252.71 -9.03											
	722	2.31	-25.22	-32.78	-29.42	-28.58	-3.76	255.74	55.25	55.38	
255.61 -5.14											
677 29	637	2.33	-15.03	-47.07	-28.09	-34.01	-15.75	-32.64	-177.25	-38.74	-
171.15 -29.08											
	640	2.42	2.22	-52.23	-35.97	-14.04	-24.92	-53.99	-177.46	-63.01	-
168.44 -32.13											
	725	2.47	-11.75	-67.24	-60.22	-18.77	-18.45	41.57	-43.04	-29.38	
27.91 -31.13											
	722	1.91	-22.11	-57.54	-54.81	-24.85	-9.46	29.57	-31.14	-21.59	
20.02 -22.09											
677 141	637	1.31	-2.85	-33.85	-7.69	-29.01	-11.25	49.67	21.41	21.56	
49.52 -2.03											
	640	1.26	4.76	-31.85	-13.43	-13.66	-18.30	50.39	2.88	2.88	
50.39 -0.41											
	725	1.84	-8.09	-36.59	-27.39	-17.29	-13.33	203.47	40.33	40.36	
203.44 -2.31											
	722	1.82	-16.28	-29.20	-23.52	-21.97	-6.41	198.60	46.49	46.49	
198.60 0.28											
677 162	637	1.18	-6.39	-31.99	-9.71	-28.68	-8.60	43.76	17.12	17.94	
42.95 -4.59											
	640	1.07	1.30	-30.06	-15.41	-13.35	-15.64	38.44	-0.87	-0.67	
38.24 -2.80											
	725	1.69	-9.93	-33.19	-26.13	-16.99	-10.69	189.18	34.71	34.92	
188.97 -5.77											
	722	1.73	-18.16	-25.76	-22.27	-21.66	-3.79	189.92	41.80	41.86	
189.86 -2.93											
677 164	637	1.15	-7.07	-31.53	-9.97	-28.63	-7.91	42.45	16.06	17.19	
41.31 -5.36											
	640	1.03	0.52	-29.50	-15.67	-13.30	-14.96	35.58	-2.04	-1.69	
35.23 -3.58											
	725	1.65	-10.44	-32.36	-25.87	-16.93	-10.00	186.20	33.31	33.61	
185.90 -6.74											
	722	1.72	-18.70	-24.91	-22.00	-21.61	-3.10	188.27	40.72	40.82	
188.17 -3.81											
677 174	637	1.83	0.79	-33.24	-2.65	-29.80	-10.27	136.02	44.25	44.31	
135.96 -2.33											
	640	1.57	6.27	-28.93	-8.19	-14.47	-17.32	131.54	25.74	25.76	
131.52 1.53											
	725	2.29	-4.02	-28.95	-14.87	-18.10	-12.36	283.44	67.27	67.28	
283.43 -1.44											
	722	2.36	-9.01	-24.94	-11.17	-22.78	-5.46	284.07	74.15	74.16	
284.06 -0.88											
677 210	637	1.64	-4.08	-30.95	-6.73	-28.29	-8.02	123.80	36.85	37.07	
123.59 -4.33											
	640	1.35	2.00	-27.41	-12.58	-12.84	-14.70	117.57	18.64	18.64	
117.57 0.52											
	725	2.06	-9.30	-28.89	-21.27	-16.92	-9.55	261.24	54.76	54.86	
261.14 -4.45											
	722	2.18	-15.65	-23.27	-17.25	-21.67	-3.10	264.89	62.00	62.03	
264.87 -2.27											
678 15	638	2.92	-32.87	-67.67	-45.69	-54.85	16.79	79.53	-205.49	-76.55	-
49.41 -141.86											

	641	3.00	4.52	-55.08	-54.51	3.95	-5.80	115.25	-195.79	-49.77	-30.76-155.23
	726	4.27	-7.26	-107.40	-107.30	-7.36	-3.18	110.07	-188.74	-62.53	-16.14-147.59
	723	4.26	-17.69	-118.85	-117.49	-19.04	11.64	91.63	-188.56	-83.83	-13.09-135.56
678 57	638	3.35	-34.95	-63.53	-43.95	-54.53	13.27	146.51	-247.08	-158.28	57.72-164.51
	641	3.89	5.75	-54.05	-52.56	4.26	-9.32	150.05	-247.42	-138.38	41.01-177.35
	726	5.12	-6.58	-105.38	-104.92	-7.04	-6.69	164.72	-243.21	-136.93	58.45-179.05
	723	5.08	-18.05	-115.84	-115.16	-18.73	8.12	182.91	-237.41	-151.30	96.79-169.64
678 133	638	2.13	-27.63	-41.97	-33.21	-36.38	7.00	100.51	-160.34	-102.60	42.77-108.29
	641	2.72	5.75	-40.37	-39.19	4.57	-7.27	102.63	-155.83	-86.06	32.86-114.74
	726	3.59	-4.72	-77.71	-77.34	-5.08	-5.13	110.30	-154.32	-84.31	40.28-116.73
	723	3.58	-13.00	-83.70	-83.45	-13.25	4.21	123.08	-152.91	-96.26	66.43-111.46
678 163	638	1.47	6.34	-36.72	-30.12	-0.25	-15.50	43.05	8.96	16.96	35.0514.45
	641	1.68	14.88	-33.82	-31.86	12.92	-9.57	76.81	12.32	42.00	47.1332.14
	726	2.29	-2.13	-57.67	-56.87	-2.94	-6.64	70.40	3.32	56.93	16.7926.87
	723	2.01	-3.42	-53.83	-51.47	-5.78	-10.66	48.59	8.39	38.71	18.27 17.31
678 164	638	1.38	5.34	-34.93	-29.37	-0.23	-13.90	38.62	15.50	21.91	32.2110.35
	641	1.62	14.33	-32.52	-31.13	12.94	-7.96	70.25	17.63	46.48	41.4126.19
	726	2.18	-2.44	-55.94	-55.46	-2.92	-5.03	60.15	2.08	52.38	9.8519.77
	723	1.89	-3.98	-51.82	-50.04	-5.76	-9.05	40.26	8.51	34.50	14.2712.24
678 170	638	2.04	5.22	-36.73	-31.51	-7.73e-03	-13.85	76.90	-50.72	55.21	-29.0347.93
	641	2.24	14.47	-34.67	-33.36	13.16	-7.92	119.68	-27.56	84.83	7.3062.59
	726	2.82	-2.26	-59.71	-59.28	-2.70	-4.99	120.63	-55.96	89.63	-24.9667.19
	723	2.61	-3.92	-55.42	-53.79	-5.54	-9.01	93.08	-73.94	66.81	-47.6760.80
678 204	638	2.17	5.90	-35.69	-29.88	0.09	-14.42	78.74	-85.19	70.18	-76.6336.46
	641	2.30	14.31	-33.31	-31.88	12.88	-8.13	87.99	-70.57	71.76	-54.3548.06
	726	2.71	-2.42	-56.30	-55.79	-2.94	-5.25	137.17	-21.16	109.48	6.5360.14
	723	2.45	-3.89	-52.09	-50.25	-5.73	-9.24	111.20	-19.46	93.76	-2.0344.44
679 15	639	3.35	25.50	-59.16	-32.71	-0.94	-39.24	42.39	-114.29	6.85	-78.7665.61
	642	3.31	33.05	-51.70	-36.67	18.02	-32.37	40.67	-109.48	15.64	-84.4555.96
	727	2.81	9.06	-66.15	-53.98	-3.11	-27.70	97.18	-2.51	32.18	62.5047.48
	724	3.07	10.96	-69.06	-49.33	-8.77	-34.49	111.44	-5.39	30.36	75.6953.84
679 79	639	4.21	36.77	-73.08	-35.95	-0.37	-51.96	72.03	-106.53	31.81	-66.3074.59
	642	4.11	43.12	-64.32	-39.79	18.59	-45.10	61.22	-118.92	39.75	-97.4458.37
	727	3.48	18.45	-80.41	-59.42	-2.54	-40.43	85.33	-9.60	25.61	50.1245.86
	724	3.88	21.14	-84.22	-54.88	-8.20	-47.22	113.63	-10.90	37.03	

65.7060.59											
679 144	639	2.94	25.12	-51.00	-25.80	-0.08	-35.82	47.61	-83.61	22.54	-
58.5551.58											
	642	2.88	30.29	-44.63	-28.84	14.50	-30.56	37.89	-91.65	25.60	-
79.3637.96											
	727	2.39	11.37	-56.81	-43.69	-1.74	-26.87	67.26	0.13	20.03	
47.3630.66											
	724	2.69	13.22	-59.48	-40.14	-6.12	-32.13	87.40	-0.86	28.67	
57.8741.64											
679 159	639	1.77	11.28	-29.60	-18.72	0.40	-18.07	16.51	-95.75	7.98	-
87.2129.76											
	642	1.84	18.99	-26.10	-22.06	14.95	-12.87	3.68	-91.62	1.39	-
89.3314.60											
	727	1.38	0.92	-37.51	-35.34	-1.26	-8.88	84.41	18.98	23.28	
80.1116.22											
	724	1.53	0.61	-37.83	-31.53	-5.70	-14.24	93.19	18.88	27.06	
85.0123.25											
679 164	639	1.30	5.32	-17.84	-13.78	1.26	-8.81	11.67	-109.20	10.05	-
107.5713.92											
	642	1.59	16.20	-17.77	-17.36	15.79	-3.68	-6.24	-108.47	-6.75	-
107.96-7.16											
	727	1.35	-0.38	-30.62	-30.60	-0.39	0.62	104.61	22.15	22.16	
104.60 0.69											
	724	1.08	-3.87	-27.65	-26.62	-4.89	-4.83	106.64	28.75	29.89	
105.50 9.36											
679 182	639	1.82	12.83	-28.55	-17.26	1.53	-18.43	41.49	-87.78	37.54	-
83.8222.27											
	642	1.90	20.37	-25.02	-20.72	16.06	-13.30	20.66	-99.19	20.49	-
99.02-4.52											
	727	1.63	2.00	-38.40	-36.27	-0.12	-9.01	113.27	25.75	25.77	
113.25 1.42											
	724	1.58	1.54	-38.57	-32.41	-4.62	-14.46	117.84	37.97	41.72	
114.1016.88											
679 210	639	1.54	5.29	-21.40	-16.77	0.66	-10.10	19.98	-126.74	17.84	-
124.6117.56											
	642	1.78	16.14	-21.14	-20.33	15.33	-5.42	-4.40	-125.11	-4.65	-
124.86-5.49											
	727	1.56	-0.43	-35.10	-35.06	-0.46	-1.08	129.74	33.14	33.27	
129.60 3.61											
	724	1.30	-3.61	-32.29	-30.95	-4.95	-6.05	133.23	41.63	43.32	
131.5312.36											
680 15	640	1.74	3.20	-34.97	-20.09	-11.68	18.62	83.18	-22.75	15.28	
45.1650.82											
	643	2.16	15.07	-37.38	-22.89	0.57	23.45	81.94	-30.62	13.79	
37.5255.02											
	728	2.26	2.83	-49.21	-32.77	-13.61	24.19	173.46	27.54	41.48	
159.5142.90											
	725	2.11	-1.29	-48.04	-31.10	-18.23	22.48	187.79	32.13	44.63	
175.2942.31											
680 29	640	2.19	-3.21	-45.21	-33.82	-14.60	-18.68	-51.61	-181.36	-63.90	-
169.07-37.99											
	643	1.96	3.26	-42.63	-37.29	-2.07	-14.71	-65.18	-171.84	-75.45	-
161.57-31.45											
	728	2.42	-11.28	-64.57	-60.66	-15.19	-13.89	47.77	-46.07	-33.29	
34.99-32.19											
	725	2.28	-15.14	-62.73	-58.14	-19.74	-14.06	43.79	-44.41	-28.94	
28.32-33.54											
680 141	640	0.97	-1.21	-25.19	-13.16	-13.24	-11.99	50.25	4.14	4.14	
50.25 0.11											
	643	0.80	1.19	-20.27	-15.47	-3.60	-8.94	51.33	-7.27	-5.83	
49.88 9.09											
	728	1.69	-10.19	-33.43	-29.93	-13.69	-8.31	203.22	38.06	38.18	
203.10 4.50											
	725	1.76	-12.62	-32.77	-28.20	-17.19	-8.44	204.12	42.68	42.69	
204.11-0.86											
680 162	640	0.79	-4.80	-23.58	-15.59	-12.79	-9.29	37.92	-1.20	-1.01	
37.73-2.69											
	643	0.79	-0.89	-20.20	-17.93	-3.17	-6.23	33.46	-11.78	-11.10	
32.78 5.49											

	728	1.51	-11.37	-30.05	-28.16	-13.25	-5.62	183.54	30.00	30.00	
183.54 0.02											
	725	1.61	-14.08	-29.15	-26.49	-16.74	-5.75	189.36	35.03	35.16	
189.23-4.48											
680 164	640	0.75	-5.59	-23.08	-15.97	-12.70	-8.59	34.98	-2.78	-2.45	
34.65-3.55											
	643	0.79	-1.29	-20.12	-18.32	-3.08	-5.53	29.05	-13.26	-12.76	
28.55 4.56											
	728	1.47	-11.66	-29.28	-27.77	-13.17	-4.93	179.24	27.93	27.94	
179.23 -1.10											
	725	1.58	-14.46	-28.30	-26.11	-16.65	-5.05	186.26	33.12	33.32	
186.06-5.48											
680 174	640	1.24	-2.38	-18.96	-9.10	-12.25	-8.14	131.34	25.97	26.15	
131.16 4.37											
	643	0.92	-0.28	-13.62	-11.27	-2.63	-5.08	126.25	13.69	15.68	
124.2514.86											
	728	2.00	-9.92	-19.91	-17.11	-12.72	-4.48	276.56	62.49	62.83	
276.22 8.58											
	725	2.14	-11.29	-20.52	-15.60	-16.20	-4.60	283.88	68.35	68.37	
283.86 1.73											
680 210	640	1.14	-4.21	-20.89	-12.88	-12.23	-8.33	117.00	17.86	17.86	
117.00-0.28											
	643	0.98	-0.85	-17.10	-15.47	-2.47	-4.87	111.99	7.34	8.49	
110.8410.90											
	728	1.85	-11.70	-24.75	-23.41	-13.04	-3.96	251.71	49.27	49.30	
251.68 2.56											
	725	2.00	-13.87	-24.27	-21.50	-16.63	-4.59	261.35	54.52	54.55	
261.32-2.26											
681 15	641	2.75	4.74	-57.95	-57.43	4.22	5.70	108.70	-196.97	-52.91	-
35.36-152.58											
	644	4.09	35.61	-60.12	-53.66	29.15	24.02	140.86	-200.07	-34.26	-
24.95-170.40											
	729	3.83	-0.35	-98.91	-97.42	-1.84	12.01	128.62	-182.84	-47.27	-
6.95-154.42											
	726	4.15	-6.35	-107.96	-107.85	-6.46	3.34	114.75	-188.74	-60.47	-
13.53-149.92											
681 57	641	3.11	5.46	-56.09	-55.95	5.32	2.90	192.80	-177.39	-40.94	
56.36-178.59											
	644	4.34	35.38	-57.47	-52.34	30.25	21.22	193.44	-242.21	-40.21	-
8.56-217.25											
	729	4.55	0.16	-95.53	-94.64	-0.73	9.21	160.69	-315.75	-139.30	-
15.75-230.07											
	726	5.05	-5.35	-104.96	-104.95	-5.35	0.54	180.66	-257.02	-137.16	
60.80-195.18											
681 133	641	2.18	5.32	-41.78	-41.71	5.25	1.81	130.48	-108.35	-20.43	
42.57-115.18											
	644	3.08	26.60	-42.96	-39.03	22.67	16.06	133.23	-150.36	-16.62	-
0.50-141.57											
	729	3.14	-0.05	-70.72	-69.96	-0.81	7.30	107.86	-203.19	-85.19	-
10.14-150.93											
	726	3.53	-3.88	-77.29	-77.28	-3.88	0.31	121.17	-163.41	-84.27	
42.02-127.51											
681 159	641	1.54	8.67	-37.92	-37.88	8.63	1.35	44.91	-23.92	11.52	
9.47-34.40											
	644	2.27	24.70	-39.81	-35.48	20.37	16.15	66.69	-21.05	31.85	
13.79-42.93											
	729	2.36	-0.69	-62.97	-61.67	-2.00	8.92	50.04	-33.93	16.88	-
0.76-41.05											
	726	2.30	-3.48	-67.05	-67.04	-3.49	0.90	45.20	-33.08	10.32	
1.80-38.91											
681 164	641	1.59	12.77	-33.09	-33.07	12.74	-0.98	74.36	14.62	51.46	
37.5129.04											
	644	1.84	22.64	-34.89	-31.04	18.80	14.37	88.47	26.89	76.36	
39.0124.48											
	729	2.07	-0.95	-53.01	-51.52	-2.44	8.68	63.19	-2.86	57.59	
2.7418.39											
	726	2.13	-2.36	-54.87	-54.87	-2.36	-0.38	61.37	3.54	53.78	
11.1419.53											
681 178	641	1.90	12.19	-34.66	-34.65	12.18	-0.58	78.91	-45.02	48.98	-

15.0953.04
644 1.94 22.22 -36.45 -32.46 18.23 14.77 123.88 -8.55 84.46
30.8760.55
729 2.58 -1.47 -56.56 -55.02 -3.01 9.08 156.48 -24.51 121.81
10.1771.23
726 2.80 -2.93 -58.52 -58.52 -2.93 0.02 126.54 -49.37 108.02 -
30.8553.98
681 204 641 2.15 12.79 -33.58 -33.55 12.75 -1.22 84.68 -63.91 69.83 -
49.0644.56
644 2.06 21.55 -35.23 -31.61 17.93 13.87 98.08 -95.62 42.84 -
40.3887.45
729 2.42 -1.19 -53.42 -52.09 -2.52 8.23 157.74 -35.62 107.77
14.3584.65
726 2.61 -2.45 -55.32 -55.32 -2.46 -0.53 136.69 -24.74 106.63
5.3262.84
682 15 642 2.94 26.43 -47.64 -39.37 18.16 -23.33 38.82 -100.94 15.53 -
77.6452.08
645 2.57 27.82 -38.50 -38.38 27.70 -2.83 25.46 -116.88 0.17 -
91.6054.40
730 1.94 -1.13 -51.80 -50.64 -2.28 -7.56 77.65 -2.88 29.14
45.6239.41
727 2.54 5.68 -61.05 -53.14 -2.23 -21.58 95.26 -4.71 30.97
59.5947.90
682 51 642 2.79 26.05 -13.64 -8.01 20.42 13.85 -34.39 -292.94 -34.52 -
292.81-5.67
645 3.72 49.47 -28.34 -8.73 29.86 33.78 -118.62 -352.90 -118.74 -
352.78-5.30
730 2.14 24.76 -38.52 -13.75 -0.01 30.88 -57.35 -106.68 -75.88 -
88.14-23.89
727 1.15 10.90 -25.45 -14.69 0.14 16.59 -29.22 -54.04 -46.35 -
36.91-11.48
682 130 642 2.06 19.17 -11.39 -7.94 15.72 9.67 -24.58 -208.66 -24.74 -
208.50-5.41
645 2.72 36.76 -22.26 -8.45 22.96 24.98 -88.13 -249.20 -88.18 -
249.15-2.80
730 1.53 17.16 -30.16 -13.02 0.02 22.74 -32.25 -62.49 -49.76 -
44.99-14.93
727 0.85 6.85 -20.50 -13.78 0.13 11.77 -8.19 -31.05 -28.19 -
11.04-7.56
682 161 642 1.67 16.37 -18.01 -17.39 15.75 4.57 -14.02 -122.21 -15.09 -
121.13-10.73
645 2.03 30.87 -25.70 -17.67 22.84 19.74 -70.95 -133.57 -71.18 -
133.343.76
730 1.60 8.89 -34.48 -25.70 0.12 17.42 73.31 -5.00 -4.90
73.21 2.87
727 1.24 1.79 -28.20 -26.66 0.25 6.61 78.76 10.60 10.62
78.75-0.92
682 164 642 1.59 16.12 -19.80 -19.50 15.81 3.29 -11.28 -101.36 -12.98 -
99.67-12.23
645 1.87 29.79 -26.62 -19.74 22.90 18.46 -66.82 -105.55 -67.63 -
104.745.53
730 1.73 7.37 -36.08 -28.89 0.19 16.14 103.89 5.67 6.23
103.32 7.46
727 1.38 1.23 -30.80 -29.89 0.32 5.33 101.73 20.30 20.31
101.72 0.71
682 175 642 1.86 18.29 -15.65 -12.72 15.36 9.54 -17.02 -160.04 -17.29 -
159.78-6.16
645 2.45 35.10 -25.79 -13.14 22.45 24.71 -76.59 -192.96 -76.60 -
192.951.10
730 1.47 14.92 -33.27 -18.09 -0.27 22.39 11.45 -30.06 -28.82
10.21-7.08
727 1.05 5.38 -24.42 -18.90 -0.14 11.57 37.50 -10.10 -9.80
37.20-3.78
682 208 642 1.48 17.15 -17.71 -16.95 16.39 5.09 -11.63 -87.72 -13.99 -
85.37-13.17
645 1.91 31.87 -25.89 -17.33 23.30 20.53 -58.58 -89.68 -58.76 -
89.50-2.37
730 1.63 9.95 -34.76 -25.17 0.36 18.35 82.08 -2.09 -2.07
82.06 1.36

	727	1.23	2.25	-27.93	-26.14	0.45	7.14	79.12	10.11	10.21
79.03-2.60										
683 15	643	2.60	22.87	-44.90	-22.81	0.77	31.77	80.72	-29.51	13.96
37.2553.87										
	646	3.08	31.05	-52.35	-21.30	-3.01e-03	40.31	84.56	-30.75	18.34
35.4757.01										
	731	2.78	15.33	-57.91	-29.20	-13.38	35.75	157.24	23.68	41.30
139.6145.20										
	728	2.62	9.17	-55.63	-32.92	-13.54	30.92	174.64	26.54	41.56
159.6244.71										
683 79	643	2.49	21.37	-40.49	-20.81	1.68	28.81	101.30	-20.49	24.06
56.7558.66										
	646	2.97	29.56	-47.79	-19.14	0.90	37.35	107.88	-19.98	29.10
58.8062.18										
	731	2.75	12.21	-56.05	-31.37	-12.47	32.80	183.40	33.80	53.89
163.31 51.01										
	728	2.59	6.30	-53.92	-34.97	-12.64	27.96	196.91	36.05	53.46
179.4949.98										
683 112	643	1.78	14.31	-31.84	-17.64	0.12	21.30	56.07	-19.86	7.62
28.5936.49										
	646	2.15	20.55	-37.36	-16.42	-0.39	27.82	59.68	-21.75	10.57
27.3639.84										
	731	1.95	8.28	-41.71	-22.80	-10.63	24.24	125.56	20.76	31.01
115.32 31.13										
	728	1.83	3.73	-40.16	-25.66	-10.78	20.64	138.62	23.12	31.43
130.3229.84										
683 162	643	0.74	-2.79	-17.87	-17.86	-2.79	0.20	33.22	-11.08	-10.42
32.56 5.38										
	646	0.87	-0.11	-18.75	-16.18	-2.68	6.42	37.65	-14.66	-10.02
33.0114.88										
	731	1.38	-12.20	-25.90	-25.47	-12.63	2.40	172.60	28.34	28.88
172.06 8.74										
	728	1.47	-12.90	-28.33	-28.32	-12.91	-0.43	183.72	30.57	30.59
183.71 1.44										
683 164	643	0.75	-2.95	-18.35	-18.31	-2.99	0.86	28.68	-13.11	-12.66
28.23 4.31										
	646	0.89	0.11	-19.65	-16.66	-2.89	7.08	32.07	-16.65	-12.41
27.8213.73										
	731	1.36	-12.11	-25.71	-24.99	-12.84	3.05	167.19	25.68	26.08
166.80 7.45										
	728	1.44	-13.11	-27.87	-27.86	-13.11	0.22	179.29	27.94	27.94
179.29 0.27										
683 174	643	0.97	-1.97	-12.32	-12.03	-2.26	1.71	127.16	15.49	18.24
124.4017.33										
	646	1.18	2.70	-15.11	-10.25	-2.15	7.93	128.86	10.38	17.95
121.2828.99										
	731	1.87	-9.36	-17.67	-14.93	-12.10	3.91	263.72	60.15	62.41
261.4521.36										
	728	1.96	-12.18	-18.09	-17.88	-12.38	1.07	277.32	64.15	64.81
276.66 11.89										
683 210	643	0.99	-2.21	-15.63	-15.46	-2.38	1.51	111.58	7.60	8.53
110.65 9.78										
	646	1.17	1.91	-18.28	-14.20	-2.18	8.11	114.05	6.02	10.86
109.2022.36										
	731	1.72	-10.58	-23.01	-21.01	-12.58	4.57	235.54	47.23	47.95
234.81 11.64										
	728	1.83	-12.85	-23.64	-23.50	-12.98	1.20	251.88	49.13	49.25
251.76 4.96										
684 15	644	4.64	42.13	-67.50	-53.18	27.82	36.94	130.89	-208.28	-50.98	-
26.40-169.14										
	647	5.13	43.70	-72.93	-37.35	8.12	53.70	130.21	-194.54	-40.59	-
23.73-162.16										
	732	4.03	4.95	-83.84	-73.84	-5.05	28.07	147.04	-156.14	-18.90	
9.80-150.91										
	729	4.12	1.10	-100.89	-97.40	-2.40	18.54	132.68	-181.77	-42.37	-
6.71-156.21										
684 59	644	5.63	44.24	-61.15	-45.01	28.10	37.95	283.82	-253.63	-2.62	
32.81-268.14										
	647	6.94	44.89	-68.27	-30.81	7.43	53.25	381.64	-280.26	12.03	

89.35-328.68
732 5.11 9.13 -71.60 -58.35 -4.12 29.91 272.67 -340.11 -141.76
74.31-286.71
729 4.29 4.29 -85.39 -79.97 -1.13 21.38 156.59 -335.34 -158.35 -
20.40-236.10
684 134 644 3.98 33.28 -46.14 -34.10 21.24 28.48 194.18 -157.30 9.85
27.03-175.53
647 4.90 33.37 -51.64 -23.45 5.19 40.02 257.31 -182.67 12.50
62.14-218.58
732 3.56 6.53 -53.82 -43.84 -3.45 22.42 181.96 -221.61 -90.19
50.54-189.12
729 3.05 2.96 -64.23 -60.17 -1.10 16.01 105.26 -217.08 -98.54 -
13.28-155.42
684 159 644 2.64 30.13 -45.35 -35.14 19.92 25.81 66.40 -21.01 32.30
13.10-42.64
647 2.89 29.19 -50.32 -24.82 3.70 37.11 56.05 -47.50 5.53
3.02-51.76
732 2.22 3.40 -53.71 -45.64 -4.67 19.89 51.53 -32.01 12.03
7.49-41.70
729 2.49 0.73 -64.59 -61.60 -2.26 13.65 51.89 -37.03 15.73 -
0.87-43.68
684 164 644 2.12 28.39 -40.33 -30.73 18.78 23.82 97.06 28.57 86.99
38.6424.25
647 2.12 25.85 -45.93 -21.84 1.75 33.90 34.69 18.23 33.63
19.29 4.04
732 1.62 3.29 -45.66 -37.11 -5.27 18.58 39.52 0.27 32.35
7.45 15.17
729 2.10 0.74 -54.74 -51.42 -2.58 13.17 56.72 -1.63 52.68
2.41 14.81
684 179 644 2.65 30.70 -40.18 -28.52 19.04 26.27 112.90 11.15 76.73
47.32-48.71
647 3.23 29.11 -46.75 -19.65 2.01 36.35 134.84 -44.88 36.81
53.15-89.49
732 2.14 6.27 -44.25 -32.98 -5.01 21.03 73.48 -73.39 -30.21
30.30-66.91
729 2.05 2.58 -52.15 -47.25 -2.32 15.62 36.51 -57.76 -15.08 -
6.16-46.92
684 201 644 2.55 29.88 -40.41 -30.18 19.64 24.79 156.39 78.45 116.83
118.01-38.96
647 3.31 27.12 -46.49 -20.97 1.60 35.03 150.68 -66.55 13.97
70.15-104.92
732 2.27 4.04 -45.16 -35.92 -5.21 19.22 73.06 -93.05 -23.82
3.83-81.90
729 2.24 1.05 -54.38 -50.83 -2.50 13.57 54.88 -62.30 2.03 -
9.45-58.31
685 5 645 2.92 50.25 -43.31 -24.31 31.25 37.64 -104.38 -145.43 -106.06 -
143.758.14
648 3.65 47.95 -58.32 -15.64 5.27 52.10 -28.91 -134.55 -60.33 -
103.1248.30
733 2.89 23.12 -54.76 -25.65 -6.00 37.68 125.08 -15.09 -4.65
114.6336.81
730 2.62 15.08 -52.72 -38.25 0.61 27.78 146.92 9.49 12.01
144.4018.45
685 21 645 4.60 60.51 -46.46 -14.91 28.96 48.78 -88.34 -324.37 -108.83 -
303.88-66.45
648 4.36 61.90 -63.90 -5.68 3.67 62.73 -54.20 -211.48 -69.12 -
196.56-46.09
733 3.09 40.38 -56.53 -8.89 -7.26 48.45 11.18 -55.08 -44.22
0.32-24.53
730 2.62 29.16 -51.71 -21.74 -0.82 39.06 -16.05 -66.28 -41.21 -
41.12-25.11
685 115 645 3.36 45.17 -35.35 -12.54 22.36 36.29 -69.62 -229.65 -82.57 -
216.70-43.64
648 3.17 45.91 -48.49 -5.49 2.91 47.01 -44.76 -148.36 -51.93 -
141.19-26.31
733 2.24 29.05 -43.07 -8.51 -5.51 36.03 14.88 -33.69 -29.97
11.16-12.93
730 1.90 20.70 -39.60 -18.34 -0.55 28.81 -3.64 -36.28 -26.26 -
13.66-15.05

685 158 106.075.35	645	2.19	37.23	-32.86	-18.61	22.98	28.21	-75.69	-107.01	-76.64	-
76.4134.17	648	2.71	35.49	-43.97	-12.02	3.54	38.96	-22.58	-98.10	-44.28	-
82.2526.29	733	2.13	16.85	-41.12	-19.33	-4.93	28.08	89.65	-11.19	-3.79	
103.6112.99	730	1.93	10.90	-39.68	-28.80	0.03	20.78	105.35	6.98	8.72	
685 164 105.814.93	645	2.21	36.99	-33.58	-19.47	22.88	28.23	-74.34	-106.59	-75.12	-
76.1033.15	648	2.70	35.11	-44.47	-12.78	3.43	38.96	-23.14	-96.84	-43.88	-
82.0525.70	733	2.12	16.69	-41.08	-19.40	-4.98	27.97	89.17	-10.77	-3.66	
103.1812.68	730	1.93	10.82	-39.74	-28.90	-0.02	20.75	104.86	7.40	9.07	
685 185 96.838.22	645	2.39	41.63	-38.07	-17.53	21.09	34.85	-63.48	-98.86	-65.51	-
76.8836.09	648	3.10	41.27	-50.79	-11.16	1.64	45.58	-14.70	-97.83	-35.65	-
81.3624.36	733	2.38	23.48	-46.34	-16.09	-6.77	34.60	88.86	2.24	9.74	
112.29 11.69	730	2.09	16.24	-43.32	-25.27	-1.81	27.38	113.81	22.05	23.57	
685 206 120.8913.30	645	2.16	35.22	-34.47	-21.49	22.23	27.14	-78.29	-125.05	-82.45	-
89.0847.64	648	2.80	32.68	-44.37	-14.33	2.65	37.58	-13.57	-119.13	-43.62	-
95.8934.96	733	2.15	13.61	-40.83	-21.86	-5.36	25.94	107.68	-7.81	3.98	
123.7919.76	730	2.03	8.71	-40.96	-31.94	-0.31	19.15	127.34	13.69	17.24	
686 15 36.3755.80	646	3.51	38.89	-59.98	-21.12	0.02	48.29	83.97	-29.06	18.54	
36.8560.75	649	3.71	37.77	-66.06	-15.58	-12.70	51.90	92.91	-28.98	27.08	
114.6643.27	734	3.02	23.59	-62.24	-21.02	-17.63	42.88	135.01	22.67	43.02	
139.8647.02	731	3.15	21.42	-64.31	-29.14	-13.75	42.17	158.69	22.46	41.30	
686 79 60.25 61.81	646	3.45	38.43	-55.88	-19.41	1.96	45.93	109.61	-17.15	32.22	
62.3967.13	649	3.64	37.35	-61.75	-13.62	-10.77	49.53	119.66	-16.30	40.97	
140.5349.64	734	2.99	21.21	-60.17	-23.27	-15.70	40.51	163.91	35.12	58.49	
164.0652.94	731	3.14	19.44	-62.51	-31.26	-11.82	39.81	185.75	34.85	56.55	
686 112 28.0039.00	646	2.48	26.55	-43.22	-16.29	-0.37	33.96	59.31	-20.58	10.72	
28.9843.38	649	2.63	25.84	-47.72	-11.90	-9.99	36.77	67.07	-20.42	17.67	
96.3430.60	734	2.12	14.58	-44.84	-16.42	-13.84	29.68	108.60	20.00	32.26	
115.4832.52	731	2.22	12.94	-46.60	-22.74	-10.91	29.18	126.55	19.95	31.02	
686 159 28.0726.23	646	1.78	15.68	-33.79	-16.46	-1.65	23.60	43.58	-16.28	-0.78	
31.0432.48	649	1.93	15.39	-37.68	-11.61	-10.68	26.53	53.78	-15.35	7.39	
122.8121.86	734	1.48	3.00	-34.99	-17.23	-14.76	18.95	127.68	24.68	29.55	
141.1320.64	731	1.64	1.58	-37.39	-23.81	-11.99	18.56	144.80	24.91	28.58	
686 164 28.1513.46	646	1.15	5.14	-24.68	-16.62	-2.93	13.24	32.22	-16.34	-12.27	
33.1021.59	649	1.24	4.94	-27.63	-11.32	-11.37	16.29	43.21	-13.00	-2.89	
	734	1.35	-8.56	-25.16	-18.04	-15.68	8.22	150.66	25.45	26.84	

149.27 13.13											
	731	1.41	-9.07	-28.89	-24.89	-13.07	7.95	167.33	25.59	26.14	
166.78 8.77											
686 174	646	1.53	9.52	-22.44	-11.13	-1.79	15.29	131.50	13.08	22.17	
122.4131.53											
	649	1.60	10.46	-26.47	-5.78	-10.23	18.33	137.22	14.27	30.32	
121.1741.42											
	734	1.84	-1.12	-22.39	-8.97	-14.54	10.26	243.41	59.98	65.04	
238.3430.05											
	731	1.88	-3.68	-24.04	-15.79	-11.93	9.99	264.91	62.71	65.57	
262.0523.90											
686 210	646	1.41	7.29	-23.66	-14.16	-2.21	14.27	114.47	7.58	12.01	
110.0321.32											
	649	1.47	7.55	-27.61	-9.39	-10.67	17.57	121.78	14.56	25.38	
110.9732.30											
	734	1.71	-4.74	-25.17	-14.61	-15.30	10.21	212.28	49.68	51.21	
210.75 15.71											
	731	1.77	-6.55	-27.15	-20.90	-12.81	9.47	236.02	47.79	48.82	
234.9913.90											
687 15	647	5.59	52.26	-79.22	-33.92	6.97	62.48	127.55	-198.46	-45.23	-
25.68-162.71											
	650	4.91	39.18	-72.72	-14.41	-19.13	55.90	136.70	-148.92	-6.49	-
5.74-142.81											
	735	3.60	7.08	-63.81	-45.37	-11.36	31.10	164.16	-82.44	47.42	
34.29-123.13											
	732	4.30	7.47	-88.08	-74.51	-6.10	33.36	146.82	-157.25	-20.16	
9.74-151.30											
687 59	647	7.46	51.89	-75.01	-25.92	2.80	61.80	316.77	-384.98	-134.52	
66.32-336.20											
	650	7.11	38.30	-70.10	-8.38	-23.42	53.68	301.23	-391.62	-144.47	
54.09-331.89											
	735	5.65	9.44	-55.55	-32.06	-14.05	31.22	307.53	-381.95	-147.10	
72.69-326.75											
	732	5.91	9.07	-76.53	-58.68	-8.78	34.78	306.77	-400.67	-165.72	
71.82-333.19											
687 134	647	5.27	39.00	-56.83	-19.86	2.04	46.65	213.92	-251.93	-85.62	
47.61-223.20											
	650	4.98	28.24	-52.91	-6.52	-18.15	40.15	198.09	-260.69	-99.99	
37.39-218.86											
	735	3.88	6.81	-41.56	-24.05	-10.69	23.24	203.08	-252.64	-99.22	
49.67-215.36											
	732	4.11	6.81	-57.58	-44.12	-6.64	26.18	204.56	-262.72	-106.72	
48.56-220.36											
687 159	647	3.22	36.12	-55.37	-22.29	3.05	43.96	54.33	-46.25	2.21	
5.87-50.26											
	650	2.63	24.48	-50.41	-8.76	-17.16	37.21	31.91	-45.95	-17.79	
3.75-37.41											
	735	1.76	4.40	-40.36	-26.52	-9.44	20.69	44.38	-16.90	10.91	
16.57-30.51											
	732	2.40	5.60	-57.09	-46.11	-5.39	23.84	50.70	-35.26	9.28	
6.16-42.95											
687 164	647	2.51	33.05	-51.16	-19.39	1.28	40.82	35.44	20.53	30.50	
25.47 7.02											
	650	2.16	20.31	-46.33	-6.98	-19.04	32.78	17.22	-34.80	-27.58	
10.0017.98											
	735	1.42	3.86	-33.95	-20.11	-9.98	18.22	20.80	-20.37	-8.64	
9.0618.59											
	732	1.76	5.72	-49.18	-37.54	-5.92	22.44	34.22	-0.86	28.23	
5.1313.20											
687 177	647	3.47	32.50	-51.10	-20.11	1.51	40.37	141.65	-69.13	74.95	-
2.4298.04											
	650	3.33	19.68	-45.96	-7.48	-18.80	32.33	125.49	-119.50	18.06	-
12.08121.57											
	735	2.49	3.69	-33.25	-19.81	-9.74	17.77	159.34	-101.88	67.66	-
10.20124.67											
	732	2.55	5.62	-48.49	-37.19	-5.68	21.99	165.23	-82.03	103.56	-
20.37106.98											
687 200	647	3.58	32.17	-50.66	-19.57	1.09	40.11	127.02	-110.03	56.16	-
39.17108.52											

650 3.39 19.83 -45.81 -7.23 -18.74 32.31 126.09 -127.73 27.78 -29.41123.64
735 2.56 3.75 -33.32 -19.65 -9.92 17.88 166.92 -99.55 58.63 8.74130.88
732 2.62 5.63 -48.31 -36.71 -5.97 22.16 168.99 -65.18 90.95 12.86110.38
688 5 648 4.07 58.04 -65.37 -12.10 4.78 61.12 -36.46 -140.18 -57.16 -119.4841.46
651 3.54 41.39 -67.45 0.42 -26.48 52.73 -20.24 -77.87 -34.15 -63.9524.67
736 3.00 25.68 -53.97 -11.22 -17.07 39.72 125.25 -32.43 -7.39 100.2157.63
733 3.19 27.00 -60.89 -26.65 -7.24 42.86 130.72 -12.67 -1.28 119.3338.78
688 29 648 4.92 73.34 -72.54 -5.50 6.31 72.70 -118.89 -245.69 -134.22 -230.36-41.33
651 4.36 57.74 -74.86 7.33 -24.45 64.37 -74.17 -177.86 -106.45 -145.58-48.02
736 3.14 46.01 -58.53 2.66 -15.18 51.50 17.41 -55.25 -55.21 17.36 -1.83
733 3.51 45.61 -64.08 -12.95 -5.52 54.72 16.84 -67.54 -55.19 4.49-29.83
688 119 648 3.60 54.59 -54.99 -5.02 4.61 54.58 -87.75 -172.61 -95.05 -165.30-23.81
651 3.19 42.52 -56.72 4.83 -19.03 48.17 -55.89 -122.06 -74.63 -103.32-29.82
736 2.27 33.14 -44.39 0.64 -11.89 38.25 21.53 -37.99 -37.68 21.22 4.30
733 2.55 32.99 -48.78 -11.32 -4.47 40.74 19.11 -41.69 -36.97 14.39-16.27
688 158 648 3.03 43.16 -49.40 -9.40 3.16 45.85 -27.98 -102.46 -42.09 -88.3529.19
651 2.64 30.66 -50.86 0.15 -20.34 39.45 -16.97 -57.08 -26.54 -47.5217.09
736 2.22 18.81 -40.49 -8.44 -13.23 29.55 90.40 -24.42 -6.30 72.2941.85
733 2.36 19.89 -45.82 -20.06 -5.86 32.08 93.73 -9.42 -1.37 85.6727.68
688 164 648 3.02 42.76 -49.85 -10.14 3.05 45.84 -28.52 -101.27 -41.82 -87.9728.13
651 2.63 30.22 -51.12 -0.45 -20.45 39.42 -18.10 -56.38 -27.48 -47.0016.46
736 2.20 18.59 -40.34 -8.48 -13.27 29.37 90.10 -24.30 -6.55 72.3541.42
733 2.35 19.74 -45.79 -20.14 -5.92 31.98 93.25 -9.05 -1.28 85.4927.10
688 183 648 3.24 51.01 -56.37 -5.91 0.55 53.59 -40.73 -119.89 -41.28 -119.346.59
651 2.91 39.40 -58.65 3.71 -22.96 47.17 -24.85 -73.02 -25.98 -71.90-7.28
736 2.39 30.17 -45.77 0.17 -15.78 37.12 53.93 -11.84 -4.59 46.6920.59
733 2.43 29.84 -49.69 -11.42 -8.42 39.74 54.61 -0.96 0.37 53.29 8.47
688 218 648 3.11 43.32 -50.66 -9.66 2.32 46.61 -25.30 -108.29 -40.52 -93.0732.12
651 2.73 30.95 -51.67 0.54 -21.26 39.85 -15.87 -65.31 -26.82 -54.3520.53
736 2.19 18.97 -39.66 -7.00 -13.68 29.12 89.39 -24.06 -5.14 70.4842.28
733 2.36 19.94 -45.59 -19.38 -6.28 32.10 96.48 -7.47 1.09 87.9128.59
689 15 649 4.13 45.42 -73.50 -14.81 -13.27 59.46 93.08 -26.33 27.95 38.8059.46
652 3.81 32.99 -71.53 -6.23 -32.31 50.61 101.83 -32.90 39.33 29.6067.19
737 2.77 24.13 -58.86 -11.38 -23.35 41.06 97.49 22.99 44.05 76.4233.55
734 3.39 29.40 -68.42 -20.97 -18.05 48.89 137.19 21.47 43.50

115.1645.43											
689	79	649	4.15	45.39	-71.30	-15.74	-10.16	58.28	122.12	-13.07	44.14
64.9066.80											
		652	3.79	33.67	-68.06	-5.18	-29.20	49.43	130.22	-20.42	55.25
54.5575.32											
		737	2.78	23.28	-56.79	-13.27	-20.24	39.88	127.14	35.98	61.53
101.6040.94											
		734	3.43	28.99	-66.75	-22.82	-14.94	47.71	167.09	35.69	61.27
141.5052.03											
689	112	649	2.96	31.72	-53.50	-11.34	-10.44	42.61	67.27	-18.61	18.33
30.3242.52											
		652	2.71	22.65	-52.03	-4.51	-24.87	35.92	74.56	-21.43	28.10
25.0447.97											
		737	1.92	15.24	-42.16	-8.78	-18.14	28.32	80.19	20.70	33.09
67.8124.15											
		734	2.39	19.05	-49.57	-16.35	-14.16	34.29	110.04	19.23	32.61
96.6632.19											
689	159	649	2.26	21.25	-43.64	-11.20	-11.19	32.44	54.16	-14.25	8.04
31.8732.06											
		652	2.02	13.99	-42.52	-3.59	-24.93	26.16	63.11	-9.62	21.08
32.4135.92											
		737	1.37	4.57	-32.17	-8.88	-18.71	17.70	102.05	25.58	30.51
97.1218.78											
		734	1.73	7.48	-39.62	-17.09	-15.05	23.53	128.37	24.36	29.85
122.8823.24											
689	164	649	1.57	10.79	-33.78	-11.05	-11.94	22.28	43.60	-12.44	-2.25
33.41 21.61											
		652	1.35	6.00	-33.67	-2.68	-24.99	16.40	54.04	-0.19	14.06
39.7923.87											
		737	1.34	-5.38	-22.89	-8.98	-19.29	7.08	128.23	26.15	27.94
126.43 13.41											
		734	1.44	-4.08	-29.68	-17.82	-15.94	12.76	150.76	25.43	27.08
149.1114.29											
689	173	649	1.99	16.63	-34.82	-6.58	-11.61	25.60	130.73	15.12	32.79
113.0741.60											
		652	1.70	11.93	-35.28	1.30	-24.65	19.72	128.60	22.91	46.29
105.2243.87											
		737	1.76	3.98	-23.67	-0.74	-18.95	10.40	197.30	54.96	60.34
191.9227.14											
		734	1.89	3.83	-28.91	-9.48	-15.60	16.08	233.39	57.70	62.28
228.8128.01											
689	210	649	1.78	13.42	-33.76	-9.12	-11.22	23.56	122.18	15.88	26.35
111.7131.68											
		652	1.51	8.23	-34.19	-1.42	-24.55	17.78	124.76	29.73	47.44
107.0637.00											
		737	1.65	-1.36	-23.94	-6.37	-18.93	9.38	177.33	54.17	55.14
176.35 10.91											
		734	1.79	-0.19	-29.74	-14.38	-15.55	14.76	212.84	49.76	51.69
210.9117.62											
690	15	650	5.40	47.30	-81.18	-12.30	-21.58	64.07	132.60	-157.01	-17.67
6.74-144.70											
		653	3.04	24.07	-50.48	3.58	-29.98	33.28	175.67	9.46	127.52
57.61-75.40											
		738	2.60	6.09	-35.91	-16.54	-13.28	20.93	249.31	57.23	230.00
76.54-57.76											
		735	3.86	11.63	-68.23	-44.91	-11.70	36.31	161.76	-86.17	41.49
34.10-123.91											
690	59	650	7.39	42.20	-74.28	-5.05	-27.04	57.19	307.51	-390.57	-142.56
59.49-334.10											
		653	5.09	20.20	-46.75	9.84	-36.39	24.21	260.67	-323.41	-76.50
13.76-288.54											
		738	4.36	2.88	-27.53	-7.29	-17.35	14.35	297.67	-306.17	-30.93
22.43-300.74											
		735	5.85	8.93	-56.38	-31.77	-15.68	31.65	337.92	-375.21	-122.09
84.80-341.22											
690	134	650	5.21	31.69	-56.63	-4.14	-20.80	43.37	201.84	-260.05	-99.04
40.83-220.10											
		653	3.48	14.46	-35.46	7.14	-28.13	17.66	165.82	-214.91	-57.99
8.91-187.40											
		738	2.92	1.77	-20.47	-5.56	-13.13	10.46	192.37	-202.45	-25.56

15.48-196.34											
	735	4.04	6.99	-42.59	-23.77	-11.83	24.06	223.02	-248.12	-82.89	
57.79-224.82											
690 159	650	3.01	30.82	-57.21	-7.41	-18.98	43.63	29.12	-49.29	-22.91	
2.73-37.05											
	653	1.47	11.71	-34.55	3.63	-26.47	17.56	20.29	10.56	12.78	
18.08-4.08											
	738	0.88	1.06	-20.64	-8.49	-11.08	10.77	55.77	27.67	55.68	
27.76 -1.61											
	735	1.94	8.12	-43.85	-25.97	-9.76	24.69	42.45	-18.26	7.46	
16.72-30.00											
690 164	650	2.56	26.70	-53.34	-5.84	-20.80	39.31	17.05	-38.30	-30.03	
8.7819.73											
	653	1.41	7.82	-32.60	4.29	-29.07	11.41	17.69	-72.14	-52.46	-
1.9837.15											
	738	0.84	-1.06	-15.94	-5.26	-11.74	6.70	20.74	-53.80	-37.03	
3.97 31.13											
	735	1.64	7.79	-37.55	-19.41	-10.35	22.21	21.57	-23.36	-11.24	
9.4519.95											
690 177	650	3.85	27.45	-54.01	-6.61	-19.94	40.18	138.20	-118.24	32.24	-
12.28126.27											
	653	2.63	7.75	-32.41	3.56	-28.21	12.28	160.34	-137.41	13.91	
9.02148.85											
	738	2.21	0.21	-16.04	-4.95	-10.88	7.56	184.43	-119.21	46.45	
18.76151.19											
	735	2.91	9.27	-37.89	-19.13	-9.49	23.08	169.57	-111.30	68.46	-
10.19134.82											
690 204	650	3.78	25.48	-52.92	-7.14	-20.30	38.64	122.46	-134.39	15.16	-
27.09126.67											
	653	2.47	6.32	-32.17	2.80	-28.65	11.08	98.07	-184.65	-62.32	-
24.25140.07											
	738	2.05	-2.32	-16.25	-7.12	-11.46	6.62	100.50	-177.61	-62.78	-
14.33136.93											
	735	2.83	6.75	-38.05	-21.00	-10.29	21.75	163.95	-108.35	47.49	
8.11134.72											
691 5	651	4.03	50.15	-76.44	1.86	-28.14	61.49	-31.51	-82.52	-53.13	-
60.9025.21											
	654	2.41	21.68	-57.34	10.07	-45.74	27.97	41.66	-9.83	-2.55	
34.3917.93											
	739	2.25	18.24	-39.33	1.17	-22.25	26.29	142.94	-33.28	-6.65	
116.3163.12											
	736	3.33	30.91	-60.07	-10.61	-18.54	45.31	123.65	-34.34	-7.65	
96.9659.20											
691 29	651	5.05	67.57	-86.41	6.40	-25.24	75.34	-83.66	-187.56	-127.66	-
143.55-51.34											
	654	3.84	36.92	-64.88	14.59	-42.55	42.13	49.86	-104.05	-64.82	
10.63-67.08											
	739	2.98	39.38	-47.25	11.49	-19.35	40.48	89.14	-86.70	-86.62	
89.06 3.71											
	736	3.58	51.89	-67.85	-0.21	-15.75	59.36	5.62	-102.66	-101.99	
4.96 8.45											
691 119	651	3.70	49.97	-65.33	4.37	-19.73	56.37	-63.72	-128.61	-90.66	-
101.67-31.97											
	654	2.78	26.63	-48.95	10.69	-33.01	30.83	34.18	-67.44	-43.80	
10.54-42.94											
	739	2.14	27.99	-35.39	7.78	-15.18	29.54	71.29	-59.12	-58.54	
70.71 8.72											
	736	2.71	37.61	-51.24	-1.22	-12.42	44.07	14.18	-70.46	-68.91	
12.64 11.32											
691 160	651	3.02	39.38	-59.42	1.33	-21.37	48.08	-46.59	-61.02	-51.64	-
55.986.88											
	654	1.97	17.63	-44.23	7.83	-34.43	22.58	23.04	-12.73	-12.60	
22.91 2.15											
	739	1.67	15.95	-30.36	2.27	-16.68	21.13	95.57	-30.17	-16.50	
81.9039.14											
	736	2.50	25.53	-46.22	-6.69	-13.99	35.69	72.56	-33.62	-19.39	
58.3336.17											
691 164	651	3.00	36.93	-57.96	0.73	-21.75	46.10	-26.25	-60.17	-41.63	-
44.7916.89											

	654	1.81	15.63	-43.23	7.22	-34.81	20.60	30.94	-9.49	-4.44	
25.8913.36											
	739	1.65	13.06	-29.23	0.90	-17.06	19.14	104.78	-25.72	-5.92	
84.9746.82											
	736	2.46	22.64	-45.07	-8.06	-14.37	33.71	88.98	-25.85	-6.88	
70.0042.65											
691 167	651	3.34	45.94	-63.46	3.94	-21.47	53.21	-65.03	-96.82	-78.71	-
83.15-15.74											
	654	2.44	23.68	-47.72	10.48	-34.53	27.71	18.43	-44.50	-36.40	
10.33-21.08											
	739	1.85	24.04	-33.67	7.15	-16.77	26.26	74.28	-45.47	-41.19	
70.0022.23											
	736	2.61	33.30	-49.25	-1.87	-14.09	40.82	35.47	-52.35	-47.71	
30.8319.64											
691 222	651	2.95	35.35	-58.41	-2.48	-20.58	46.00	-22.95	-54.99	-42.76	-
35.1915.57											
	654	1.81	13.04	-43.79	3.67	-34.42	21.09	46.27	14.33	17.73	
42.88 9.84											
	739	1.71	10.14	-31.72	-4.79	-16.79	20.05	127.35	-7.66	10.88	
108.8146.47											
	736	2.60	21.30	-47.63	-12.62	-13.72	34.46	100.78	-30.02	-8.54	
79.3048.46											
692 15	652	4.25	41.03	-79.05	-4.17	-33.85	58.18	105.94	-27.91	46.73	
31.2966.48											
	655	3.02	14.47	-60.68	1.17	-47.38	28.68	80.57	-61.74	29.74	-
10.9168.19											
	740	1.97	14.43	-45.42	-4.24	-26.74	27.73	28.28	-6.14	21.99	
0.1413.29											
	737	3.16	30.40	-65.58	-11.43	-23.75	47.59	101.29	24.63	47.37	
78.5535.02											
692 79	652	4.39	42.48	-78.31	-5.13	-30.69	59.03	139.10	-18.93	63.65	
56.5278.93											
	655	3.17	14.88	-58.97	0.13	-44.22	29.53	81.44	-91.03	15.61	-
25.2183.78											
	740	2.13	15.44	-44.51	-5.48	-23.58	28.58	49.73	-22.81	41.11	-
14.1923.48											
	737	3.28	31.94	-65.26	-12.72	-20.60	48.44	132.63	41.57	69.60	
104.6042.03											
692 144	652	3.15	29.72	-57.41	-3.64	-24.05	42.35	99.52	-12.29	44.53	
42.7055.90											
	655	2.20	9.71	-42.89	0.76	-33.94	19.77	60.63	-56.39	13.74	-
9.5057.34											
	740	1.43	9.12	-31.07	-3.71	-18.24	18.73	39.21	-5.18	30.65	
3.37 17.51											
	737	2.30	21.07	-47.05	-9.62	-16.35	33.89	103.25	33.63	50.35	
86.5329.74											
692 159	652	2.38	19.93	-48.80	-2.33	-26.55	32.16	64.39	-8.14	24.48	
31.7836.08											
	655	1.45	5.66	-37.17	3.23	-34.73	9.92	54.83	-3.36	24.05	
27.4329.05											
	740	0.99	1.33	-22.59	-1.64	-19.62	7.89	58.64	17.06	21.11	
54.5912.33											
	737	1.56	9.40	-37.12	-8.66	-19.06	22.67	102.69	27.44	32.58	
97.5518.99											
692 164	652	1.72	11.54	-40.12	-1.65	-26.93	22.53	53.60	-0.23	15.71	
37.6724.57											
	655	1.48	5.02	-33.43	5.01	-33.42	0.63	58.52	21.24	24.94	
54.82 11.15											
	740	1.23	-0.09	-19.21	-0.39	-18.90	-2.40	98.86	21.71	24.32	
96.2513.94											
	737	1.43	-0.87	-27.35	-8.56	-19.65	12.02	127.64	27.93	29.63	
125.94 12.91											
692 174	652	2.15	16.06	-42.88	1.34	-28.16	25.51	145.01	25.52	57.20	
113.3252.74											
	655	1.70	8.00	-34.95	7.69	-34.65	3.61	113.82	24.98	53.05	
85.7541.30											
	740	1.44	4.57	-20.14	4.56	-20.13	0.58	139.06	50.79	62.05	
127.8129.45											
	737	1.90	5.28	-29.48	-3.32	-20.88	15.00	207.68	70.09	75.38	

202.4026.44										
692 210	652	1.85	13.78	-40.60	-0.43	-26.39	23.89	123.18	30.85	48.84
105.1836.58										
	655	1.70	5.57	-34.22	5.48	-34.13	1.90	105.23	35.32	48.83
91.7327.60										
	740	1.33	0.87	-19.21	0.87	-19.20	-0.22	120.01	43.10	43.18
119.93 2.52										
	737	1.76	3.24	-28.43	-5.96	-19.24	14.37	177.63	55.14	56.20
176.57 11.35										
693 16	653	3.05	27.23	-44.26	0.67	-17.70	34.55	187.55	13.22	139.70
61.07-77.79										
	656	3.49	21.75	-28.17	4.50	-10.92	23.74	487.87	141.53	487.53
141.8710.88										
	741	3.78	11.09	-18.81	3.27	-10.98	13.14	575.70	144.50	575.48
144.72 9.83										
	738	2.82	12.44	-36.38	-15.40	-8.54	24.17	263.04	55.60	241.50
77.14-63.28										
693 59	653	5.05	24.67	-46.93	6.40	-28.66	31.21	413.35	-126.64	197.52
89.19-264.51										
	656	3.59	11.95	-18.50	8.54	-15.09	9.61	529.05	41.21	434.64
135.62-192.73										
	741	4.16	7.80	-12.72	6.70	-11.62	4.63	631.19	64.57	550.72
145.04-197.79										
	738	4.88	11.29	-31.38	-8.43	-11.66	21.28	535.15	-45.75	367.71
121.69-263.11										
693 134	653	3.44	17.73	-35.86	4.69	-22.83	22.99	265.21	-81.30	124.74
59.18-170.13										
	656	2.32	7.62	-13.63	5.96	-11.97	5.71	348.87	30.20	288.43
90.64-124.93										
	741	2.75	4.89	-9.49	4.38	-8.99	2.65	412.51	42.36	360.04
94.83-129.11										
	738	3.28	7.92	-23.54	-6.33	-9.30	15.66	349.63	-26.84	241.15
81.64-170.50										
693 159	653	1.56	15.07	-37.21	2.35	-24.49	22.43	21.62	9.17	11.84
18.94 5.12										
	656	1.30	3.96	-14.32	2.82	-13.18	4.43	159.96	44.33	155.85
48.44 21.41										
	741	1.15	1.13	-10.31	0.68	-9.87	2.21	158.72	36.52	156.30
38.9517.04										
	738	1.06	5.89	-25.04	-8.67	-10.48	15.44	60.92	27.91	60.56
28.27 3.43										
693 164	653	1.71	10.22	-34.92	3.19	-27.89	16.37	25.75	-79.95	-52.08	-
2.1246.57										
	656	0.83	3.51	-15.85	1.97	-14.31	-5.23	23.18	-31.44	-9.99
1.7226.68										
	741	0.64	0.48	-10.40	-0.61	-9.31	-3.26	-5.10	-62.13	-53.29	-
13.9420.65										
	738	1.13	3.11	-19.87	-5.31	-11.45	11.07	27.43	-53.51	-29.91
3.8336.79										
693 178	653	2.71	8.50	-36.37	0.66	-28.53	17.04	55.59	-229.53	-144.17	-
29.76130.58										
	656	1.57	0.43	-16.31	-0.93	-14.96	-4.56	35.02	-161.75	-101.83	-
24.9090.56										
	741	1.63	-3.23	-10.95	-4.24	-9.95	-2.60	-13.17	-237.66	-199.43	-
51.4184.39										
	738	2.43	1.53	-22.21	-8.59	-12.09	11.74	34.56	-245.50	-176.29	-
34.65120.80										
693 203	653	3.04	9.62	-34.08	3.13	-27.59	15.54	145.75	-196.57	-31.44	-
19.38171.06										
	656	1.80	3.92	-16.52	1.34	-13.94	-6.79	44.68	-168.94	-104.81	-
19.4697.91										
	741	1.83	0.40	-10.02	-1.07	-8.55	-3.62	-5.17	-247.74	-200.70	-
52.2195.91										
	738	2.62	3.57	-19.04	-4.68	-10.79	10.89	167.04	-174.11	-1.95	-
5.13170.57										
694 5	654	2.56	26.61	-57.40	8.51	-39.30	34.54	35.88	-31.86	-22.90	
26.9222.94										
	670	2.05	0.27	-37.90	0.23	-37.85	1.24	233.93	159.18	232.57
160.53 9.98										

	755	1.14	7.08	-13.13	1.90	-7.95	8.83	160.50	121.82	159.90	
122.43 4.81											
	739	2.63	24.37	-48.87	1.50	-26.00	33.94	153.07	-31.91	-11.23	
132.3858.30											
694 29	654	3.94	42.43	-70.22	12.53	-40.32	49.75	113.56	-3.15	56.18	
54.22-58.35											
	670	2.98	10.32	-44.53	4.57	-38.78	16.81	344.51	188.93	313.26	
220.19-62.33											
	755	2.49	25.64	-26.23	8.75	-9.33	24.31	288.70	162.61	264.11	
187.20-49.97											
	739	3.45	42.94	-61.66	8.44	-27.16	49.18	161.07	89.40	90.10	
160.36-7.06											
694 119	654	2.86	30.86	-52.55	9.18	-30.87	36.58	73.52	0.23	34.86	
38.89-36.59											
	670	2.15	6.58	-33.14	3.07	-29.63	11.28	250.60	144.11	231.94	
162.77-40.48											
	755	1.76	17.73	-18.74	6.03	-7.04	17.02	207.03	121.48	191.74	
136.77-32.78											
	739	2.50	30.98	-45.97	5.77	-20.76	36.12	119.82	58.83	58.85	
119.80 1.11											
694 160	654	2.03	21.62	-45.04	6.71	-30.13	27.78	25.61	-10.08	-8.82	
24.34 6.59											
	670	1.60	0.99	-28.76	0.75	-28.52	2.66	184.93	128.30	184.89	
128.34 -1.51											
	755	0.98	7.34	-11.27	2.38	-6.31	8.23	132.40	98.53	132.08	
98.85-3.28											
	739	1.97	20.27	-38.29	2.01	-20.03	27.13	112.48	-6.96	4.46	
101.0535.13											
694 164	654	1.91	19.48	-43.27	6.17	-29.96	25.65	26.98	-25.87	-19.44	
20.5417.28											
	670	1.54	0.19	-28.36	0.18	-28.35	0.54	174.45	118.63	173.27	
119.81 8.04											
	755	0.83	4.86	-9.53	1.46	-6.14	6.11	118.09	89.20	117.52	
89.77 4.02											
	739	1.95	17.72	-36.50	1.08	-19.86	25.00	112.37	-24.79	-9.12	
96.7043.64											
694 183	654	2.39	27.52	-47.00	11.73	-31.20	30.46	-4.67	-65.35	-65.28	-
4.74-2.10											
	670	1.65	7.14	-30.37	6.36	-29.59	5.34	144.65	109.87	133.07	
121.44-16.39											
	755	1.09	15.74	-12.53	10.58	-7.38	10.92	92.62	61.98	65.02	
89.58 -9.16											
	739	2.17	27.79	-39.28	9.61	-21.10	29.81	78.81	-77.08	-67.25	
68.9837.89											
694 218	654	1.99	20.59	-43.30	7.57	-30.29	25.73	19.97	-42.35	-32.73	
10.3522.52											
	670	1.45	1.50	-28.12	1.49	-28.12	-0.29	140.31	110.81	140.01	
111.11 2.96											
	755	0.65	7.24	-8.20	4.55	-5.51	5.86	72.77	47.91	49.49	
71.18 6.07											
	739	2.00	18.89	-35.35	3.57	-20.03	24.42	105.92	-35.74	-13.91	
84.09 51.14											
695 16	655	3.02	20.97	-48.49	-2.28	-25.24	32.78	106.94	-67.27	58.00	-
18.3378.30											
	671	3.30	5.79	-65.66	-1.02	-58.85	20.99	-102.06	-200.56	-117.17	-
185.4435.50											
	757	1.48	3.90	-31.05	1.51	-28.66	8.82	-95.27	-139.35	-126.74	-
107.88-19.93											
	740	2.36	22.49	-52.18	-5.87	-23.81	36.24	23.09	-43.04	23.05	-
43.011.58											
695 80	655	3.36	22.75	-51.94	-2.66	-26.53	35.38	110.03	-93.52	47.47	-
30.9693.92											
	671	3.56	5.88	-68.57	-2.55	-60.14	23.59	-107.82	-227.88	-130.87	-
204.8347.28											
	757	1.69	4.32	-33.76	0.52	-29.95	11.42	-122.04	-156.26	-149.27	-
129.02-13.79											
	740	2.63	24.11	-55.77	-6.56	-25.10	38.85	5.79	-58.42	3.64	-
56.2811.54											
695 144	655	2.49	14.83	-43.78	0.29	-29.24	25.32	80.44	-55.13	29.94	-

4.6265.55											
	671	2.13	0.69	-46.72	-1.45	-44.58	9.85	-40.45	-120.40	-72.81	-
88.0439.24											
	757	1.12	0.92	-24.00	0.21	-23.30	4.13	-74.25	-93.28	-93.14	-
74.39-1.64											
	740	1.88	14.45	-41.87	-4.66	-22.76	26.67	24.13	-12.19	14.67	-
2.7315.94											
695 158	655	1.62	6.98	-35.41	6.25	-34.68	5.50	48.58	-5.94	-4.55	
47.19 8.59											
	671	1.84	12.25	-25.84	0.78	-14.37	-17.47	149.38	37.31	42.24	
144.4522.98											
	757	1.00	6.12	-16.94	-0.40	-10.42	-10.38	49.96	2.41	18.35	
34.0322.45											
	740	1.19	-0.51	-18.53	-0.93	-18.11	2.72	111.89	29.05	37.07	
103.8724.49											
695 164	655	1.62	6.82	-35.30	6.17	-34.65	5.19	49.47	-6.54	-5.12	
48.05 8.80											
	671	1.83	12.66	-25.36	0.75	-13.45	-17.63	150.55	38.29	43.29	
145.5523.16											
	757	1.00	6.32	-16.70	-0.39	-9.99	-10.46	50.98	3.02	19.13	
34.8822.65											
	740	1.19	-0.57	-18.37	-0.87	-18.06	2.30	112.44	28.65	36.74	
104.3524.74											
695 173	655	2.03	9.15	-39.91	8.32	-39.08	6.32	85.27	-26.67	-16.63	
75.2331.99											
	671	2.07	11.60	-27.12	2.36	-17.88	-16.50	151.71	9.33	24.86	
136.1944.38											
	757	1.14	6.17	-18.65	1.94	-14.42	-9.33	44.75	-23.96	-3.82	
24.6131.27											
	740	1.60	2.67	-22.96	2.20	-22.49	3.43	140.78	10.36	20.74	
130.4135.29											
695 209	655	1.75	7.72	-35.77	6.83	-34.88	6.14	94.75	20.30	29.31	
85.7424.29											
	671	1.97	10.58	-26.90	1.25	-17.57	-16.21	133.85	-16.84	-10.16	
127.17 31.01											
	757	1.00	5.51	-18.02	0.42	-12.93	-9.70	21.67	-34.98	-31.53	
18.2213.54											
	740	1.30	1.32	-19.37	0.31	-18.37	4.44	127.40	61.51	63.15	
125.7510.28											
696 15	741	4.08	14.93	-23.56	4.73	-13.36	-16.99	-85.82	-570.29	-569.30	-
86.8221.90											
	742	3.00	18.95	-15.23	17.93	-14.21	-5.81	-21.03	-328.83	-297.79	-
52.0892.69											
	657	3.62	38.69	-30.45	27.10	-18.87	-25.82	22.62	-240.40	-192.13	-
25.66101.82											
	656	3.86	29.85	-42.21	3.18	-15.54	-34.79	-86.21	-478.50	-478.47	-
86.253.77											
696 58	741	5.50	21.25	-19.39	11.82	-9.96	-17.16	-125.31	-817.13	-805.85	-
136.58-87.60											
	742	4.28	27.28	-12.46	25.53	-10.71	-8.15	-97.59	-529.54	-529.30	-
97.8310.13											
	657	3.83	44.93	-28.81	30.33	-14.21	-29.38	-55.53	-337.98	-336.50	-
57.0020.34											
	656	4.68	34.13	-37.20	7.38	-10.45	-34.54	-95.91	-632.70	-611.60	-
117.01-104.31											
696 133	741	3.60	13.90	-15.81	7.72	-9.64	-12.05	-79.98	-525.65	-519.21	-
86.43-53.20											
	742	2.77	16.27	-10.75	15.77	-10.26	-3.64	-63.73	-340.77	-340.28	-
64.2211.66											
	657	2.49	27.45	-20.41	20.92	-13.88	-16.43	-31.34	-209.59	-207.89	-
33.0317.31											
	656	3.09	22.16	-28.95	5.07	-11.85	-24.12	-61.89	-416.58	-403.93	-
74.54-65.77											
696 159	741	1.33	4.51	-12.76	1.31	-9.55	-6.71	-19.21	-160.98	-159.12	-
21.0716.13											
	742	0.88	3.95	-10.12	3.86	-10.03	1.12	3.31	-96.84	-77.86	-
15.6639.25											
	657	1.11	10.66	-14.21	10.23	-13.78	-3.24	26.05	-62.25	-36.08	-
0.1140.32											

	656	1.51	9.26	-21.44	1.31	-13.48	-13.45	-22.41	-153.48	-153.03	-22.867.66
696 164	741	0.49	-0.09	-9.39	-0.48	-9.01	-1.85	59.41	8.55	54.08	13.8815.58
	742	0.61	-0.46	-12.61	-3.73	-9.35	5.39	43.18	-2.41	37.77	2.9914.74
	657	0.93	6.62	-17.73	2.10	-13.21	9.47	52.69	11.55	49.34	14.90 11.25
	656	0.62	1.12	-15.33	0.44	-14.65	-3.27	22.21	-0.41	11.40	10.40 11.30
696 193	741	1.57	-0.05	-8.94	-0.20	-8.78	-1.18	106.32	-148.52	-26.11	-16.09127.32
	742	2.01	0.38	-12.99	-3.49	-9.12	6.06	102.57	-175.62	-43.03	-30.01138.94
	657	2.21	7.36	-18.04	2.30	-12.99	10.14	128.71	-140.17	0.29	-11.75134.30
	656	1.66	1.10	-14.86	0.67	-14.42	-2.60	97.34	-147.60	-37.04	-13.22121.89
696 223	741	1.14	-0.15	-9.91	-0.36	-9.70	-1.41	43.23	-122.48	-61.52	-17.7379.91
	742	1.98	-0.92	-13.45	-4.45	-9.92	5.64	168.19	-112.52	58.94	-3.26136.87
	657	2.21	6.99	-18.15	1.81	-12.97	10.17	161.34	-102.44	60.71	-1.81128.13
	656	1.16	0.75	-14.99	0.62	-14.86	-1.46	47.72	-103.64	-50.54	-5.3972.23
697 16	742	3.19	24.17	-14.90	20.39	-11.12	-11.55	-28.26	-333.40	-307.94	-53.7184.37
	743	2.59	31.82	-14.20	31.69	-14.06	2.45	68.60	-220.35	-139.43	-12.32129.74
	658	4.27	57.25	-33.46	54.87	-31.08	-14.49	151.50	-204.95	-88.91	35.45167.03
	657	4.17	46.44	-40.20	25.90	-19.66	-36.84	19.88	-254.44	-206.32	-28.25104.34
697 95	742	3.78	-4.85	-13.11	-8.11	-9.85	4.04	292.56	-319.21	-58.96	32.31-302.46
	743	4.11	-0.40	-21.50	-13.64	-8.25	10.20	278.81	-335.23	-81.17	24.74-302.42
	658	4.82	14.74	-31.03	-6.33	-9.96	22.81	286.33	-320.38	-71.05	37.01-298.50
	657	3.87	-0.59	-19.17	-1.19	-18.57	3.29	307.49	-310.92	-47.60	44.18-305.78
697 152	742	2.52	-3.65	-9.90	-5.83	-7.72	2.98	196.11	-207.94	-33.75	21.91-200.10
	743	2.77	-0.36	-16.24	-10.08	-6.52	7.73	185.63	-219.56	-50.67	16.73-199.77
	658	3.32	11.31	-23.71	-4.53	-7.87	17.43	191.27	-207.77	-43.06	26.56-196.46
	657	2.59	-0.15	-14.83	-0.55	-14.42	2.40	207.40	-201.06	-25.17	31.50-202.25
697 159	742	0.96	5.10	-9.88	4.70	-9.48	-2.42	0.91	-91.80	-74.85	-16.0535.84
	743	0.98	7.37	-11.53	5.61	-9.76	5.49	38.00	-70.16	-29.24	-2.9352.46
	658	1.40	17.91	-17.66	16.76	-16.51	6.29	76.53	-63.35	-8.10	21.2868.38
	657	1.50	13.94	-20.87	9.84	-16.77	-11.22	29.01	-64.10	-35.93	0.8442.77
697 164	742	0.46	-2.41	-9.40	-3.15	-8.66	2.14	44.89	-0.40	41.70	2.79 11.58
	743	0.60	-0.51	-14.53	-7.43	-7.62	7.01	32.14	-4.51	25.86	1.77 13.81
	658	1.22	11.27	-22.79	-2.29	-9.23	16.67	44.34	2.15	32.30	14.2019.05
	657	0.73	1.95	-15.46	1.80	-15.32	1.59	53.07	11.57	49.26	15.39 11.99
697 193	742	2.00	-3.15	-9.44	-3.71	-8.88	1.79	211.80	-107.24	108.62	-4.06149.24
	743	2.19	-1.24	-14.56	-7.96	-7.84	6.66	202.41	-113.29	93.11	-

3.99150.20											
	658	2.84	11.03	-22.45	-1.96	-9.45	16.32	210.96	-113.00	89.98	
7.98156.70											
	657	2.11	2.14	-15.63	2.05	-15.54	1.23	215.83	-101.45	106.54	
7.83150.77											
697 227	742	1.39	-1.38	-9.65	-2.11	-8.92	2.35	104.75	-104.96	12.36	-
12.57104.11											
	743	1.74	0.17	-14.38	-6.66	-7.55	7.26	155.28	-75.01	75.85	
4.43109.47											
	658	2.36	12.07	-22.89	-1.53	-9.29	17.05	140.71	-93.83	59.36	-
12.47111.63											
	657	1.54	2.93	-15.50	2.68	-15.25	2.13	121.80	-93.31	33.54	-
5.06105.81											
698 16	743	2.67	33.55	-12.38	33.52	-12.35	1.18	67.85	-222.71	-143.26	-
11.60129.51											
	744	2.57	35.94	-16.54	31.55	-12.15	14.53	130.89	-156.58	-53.06	
27.37138.00											
	659	4.34	86.48	-26.78	85.29	-25.60	11.51	210.47	-172.12	-51.90	
90.25177.60											
	658	4.72	59.90	-41.34	53.86	-35.30	-23.98	148.00	-210.03	-96.72	
34.69166.52											
698 36	743	3.52	40.51	-14.80	40.33	-14.63	3.09	105.65	-309.40	-201.57	-
2.17182.01											
	744	3.17	42.94	-19.13	38.24	-14.43	16.43	165.90	-235.26	-110.26	
40.90185.80											
	659	4.99	91.81	-29.38	90.31	-27.88	13.42	254.40	-237.00	-88.30	
105.70225.74											
	658	5.42	63.81	-42.39	59.00	-37.58	-22.07	190.63	-281.37	-133.87	
43.13218.77											
698 122	743	2.27	24.70	-12.52	24.38	-12.21	3.43	77.42	-204.14	-126.07	-
0.65126.04											
	744	2.22	25.67	-15.58	21.51	-11.42	12.42	115.50	-159.83	-73.30	
28.97127.81											
	659	3.15	58.83	-20.13	56.47	-17.76	13.45	174.58	-164.04	-61.91	
72.46155.41											
	658	3.56	40.39	-30.00	38.28	-27.89	-12.00	139.16	-185.67	-79.85	
33.34152.23											
698 159	743	0.85	6.78	-9.64	6.16	-9.02	3.13	37.82	-71.22	-31.13	-
2.2652.57											
	744	1.08	6.74	-11.84	2.55	-7.65	7.77	53.54	-58.29	-17.28	
12.5353.89											
	659	1.63	25.98	-11.92	20.96	-6.89	12.85	80.10	-69.44	-23.39	
34.0669.03											
	658	1.49	16.03	-17.64	15.83	-17.44	-2.57	74.03	-66.73	-13.44	
20.7368.28											
698 164	743	0.45	-3.34	-11.54	-7.52	-7.36	4.10	31.72	-4.38	24.93	
2.41 14.11											
	744	0.52	-3.20	-14.15	-11.95	-5.40	4.39	14.92	-9.19	0.61	
5.12 11.84											
	659	1.08	10.78	-19.53	-11.21	2.46	13.52	14.98	-18.16	-9.14	
5.9614.75											
	658	0.73	2.72	-14.41	-3.18	-8.51	8.14	41.45	0.51	28.20	
13.75 19.15											
698 191	743	2.08	-1.26	-11.84	-4.72	-8.38	4.96	214.93	-90.82	112.62	
11.50144.27											
	744	1.82	-2.40	-13.26	-9.23	-6.42	5.25	183.22	-84.79	87.25	
11.18128.50											
	659	2.32	11.55	-19.03	-8.92	1.44	14.38	155.03	-106.83	46.97	
1.23128.92											
	658	2.31	4.79	-15.19	-0.87	-9.53	9.00	202.66	-98.16	85.43	
19.07146.70											
698 227	743	1.54	-2.71	-11.41	-6.74	-7.38	4.34	150.31	-74.05	71.79	
4.47107.01											
	744	1.32	-2.87	-13.90	-11.38	-5.39	4.63	137.34	-52.87	72.22	
12.2590.26											
	659	1.82	11.34	-19.46	-10.58	2.46	13.95	86.09	-98.12	25.02	-
37.0586.72											
	658	1.86	3.62	-14.57	-2.41	-8.53	8.56	135.30	-95.56	53.03	-
13.28110.57											

699	16	744	3.01	48.68	-8.52	37.08	3.09	23.00	129.55	-156.44	-55.35
28.46136.71											
		745	1.70	1.40	-9.95	-0.99	-7.56	-4.63	146.94	-87.58	1.26
58.09113.77											
		660	6.21	142.87	-2.78	106.79	33.30	62.88	245.06	-113.57	-20.95
152.44156.96											
		659	5.30	84.83	-49.54	84.51	-49.22	-6.58	206.73	-175.24	-55.96
87.45177.02											
699	58	744	3.93	60.44	-14.86	45.91	-0.33	29.72	191.16	-153.40	-5.77
43.53170.51											
		745	1.83	8.22	-11.21	7.99	-10.99	2.08	207.95	-76.94	48.47
82.53141.42											
		660	7.00	154.85	-8.88	116.09	29.88	69.59	294.66	-108.31	6.45
179.89181.87											
		659	5.54	93.67	-52.65	93.67	-52.65	0.13	256.22	-178.37	-26.33
104.19207.26											
699	133	744	2.64	36.94	-12.43	26.52	-2.01	20.15	132.17	-105.39	-4.08
30.86117.49											
		745	1.23	1.17	-8.93	1.13	-8.88	0.67	138.61	-54.67	26.94
57.0095.47											
		660	4.58	99.57	-5.70	71.86	22.00	46.36	194.02	-80.75	-6.29
119.56122.13											
		659	3.57	58.55	-33.87	58.52	-33.85	1.45	175.10	-125.30	-21.36
71.16142.90											
699	159	744	1.10	9.81	-8.17	4.17	-2.54	8.34	52.70	-58.45	-18.91
13.1653.21											
		745	0.71	-3.82	-10.55	-8.73	-5.64	-2.99	50.16	-37.17	-10.32
23.3240.29											
		660	1.98	41.30	-1.49	24.53	15.28	20.89	77.70	-55.79	-28.16
50.0854.08											
		659	1.53	20.32	-13.91	20.32	-13.90	0.53	77.66	-71.36	-26.26
32.5668.46											
699	164	744	0.41	-5.21	-12.42	-12.28	-5.35	1.01	14.28	-9.47	-0.69
5.51 11.46											
		745	0.49	-4.12	-13.16	-12.60	-4.67	-2.17	6.49	-16.68	-16.12
5.93 3.56											
		660	0.88	6.26	-16.60	-16.60	6.26	-0.11	-0.88	-31.99	-31.77	-
1.102.63											
		659	0.69	4.77	-12.79	-11.78	3.76	4.09	13.26	-19.56	-11.41
5.12 14.18											
699	194	744	1.63	-3.98	-15.53	-15.38	-4.13	-1.32	51.43	-160.99	-109.76
0.20-90.87											
		745	1.81	-1.98	-17.20	-15.72	-3.45	-4.50	57.46	-159.28	-121.10
19.28-82.57											
		660	1.82	7.70	-20.16	-19.94	7.48	-2.44	57.60	-130.37	-92.45
19.69-75.43											
		659	1.41	5.13	-15.24	-15.08	4.98	1.76	57.79	-123.81	-76.15
10.13-79.89											
699	224	744	1.11	-5.27	-13.56	-13.53	-5.31	0.56	39.17	-109.33	-69.35	-
0.82-65.87											
		745	1.23	-3.91	-14.20	-13.45	-4.66	-2.68	28.45	-110.80	-83.34
0.98-55.41											
		660	1.54	6.37	-17.77	-17.73	6.33	-0.92	77.45	-78.04	-61.17
60.58-48.36											
		659	1.13	4.66	-13.63	-12.96	3.98	3.46	74.94	-73.01	-44.45
46.37-58.40											
700	16	745	2.76	61.41	-7.99	59.35	-5.93	11.78	150.07	-85.37	3.86
60.84114.22											
		746	1.55	-1.65	-34.33	-34.21	-1.77	-1.96	134.16	-22.49	35.14
76.5375.54											
		661	6.64	150.33	-34.06	149.80	-33.53	9.92	291.41	-30.37	26.40
234.65122.65											
		660	2.98	41.05	-5.22	-4.96	40.79	-3.44	239.02	-113.77	-22.71
147.97154.38											
700	102	745	3.20	59.40	-7.69	58.11	-6.40	9.20	96.19	-108.91	-108.48
95.76 9.37											
		746	2.25	-1.64	-36.45	-35.85	-2.24	-4.55	136.97	-72.67	-72.27
136.56-9.23											
		661	7.20	146.96	-34.30	146.66	-34.00	7.34	312.05	-33.93	-27.14

305.2647.99										
	660	3.13	41.07	-8.45	-7.70	40.32	-6.02	205.93	-93.63	-81.21
193.5059.73										
700 155	745	2.06	34.64	-6.46	34.25	-6.07	3.97	66.21	-77.99	-77.62
65.85 7.24										
	746	1.56	-3.06	-27.04	-25.95	-4.15	-4.99	92.16	-53.31	-52.94
91.79-7.38										
	661	4.75	92.68	-24.66	92.68	-24.65	0.47	206.90	-29.27	-25.56
203.1929.37										
	660	2.33	30.70	-11.51	-10.33	29.52	-6.96	136.63	-72.80	-64.70
128.5340.39										
700 159	745	0.83	10.81	-5.59	10.80	-5.58	-0.39	50.93	-35.94	-9.32
24.3040.05										
	746	0.71	-4.08	-17.35	-15.51	-5.91	-4.58	40.49	-11.29	2.20
27.0022.73										
	661	2.20	40.29	-15.71	39.74	-15.15	-5.54	90.69	-19.26	-6.14
77.5735.64										
	660	1.36	20.40	-13.57	-12.04	18.88	-7.04	75.05	-55.35	-28.69
48.3952.59										
700 164	745	0.60	-1.81	-17.07	-13.47	-5.41	-6.48	6.42	-16.30	-15.91
6.03 2.97										
	746	0.47	-1.11	-13.03	-6.16	-7.98	-5.89	3.02	-15.06	-14.28
2.24-3.68										
	661	1.04	3.43	-24.69	-15.29	-5.97	-13.26	1.60	-24.98	-22.41
0.97-7.86										
	660	1.01	10.87	-18.53	-15.57	7.92	-8.84	-1.31	-31.77	-31.68
1.401.69										
700 194	745	1.78	0.61	-21.58	-15.20	-5.77	-10.04	55.46	-127.14	-95.00
23.31-69.55										
	746	1.53	1.06	-17.85	-8.44	-8.35	-9.46	59.81	-115.71	-89.76
33.86-62.30										
	661	1.98	5.15	-31.00	-19.51	-6.33	-16.83	65.46	-88.54	-60.32
37.24-59.58										
	660	2.00	12.41	-24.11	-19.25	7.55	-12.41	54.39	-105.02	-73.19
22.56-63.72										
700 224	745	1.42	-1.57	-18.25	-14.37	-5.45	-7.05	29.48	-109.67	-82.45
2.26-55.20										
	746	1.03	-0.97	-13.57	-6.42	-8.13	-6.24	24.17	-84.48	-59.68
0.63-45.60										
	661	1.68	3.84	-26.49	-16.32	-6.33	-14.32	97.87	-53.14	-38.90
83.64-44.12										
	660	1.82	11.38	-19.94	-16.67	8.10	-9.59	78.00	-79.42	-61.31
59.89-50.23										
701 16	746	2.41	55.64	0.28	53.36	2.56	-11.00	151.63	-25.80	43.16
82.6786.48										
	747	1.21	-13.97	-32.37	-25.78	-20.56	8.82	109.13	-7.71	-0.85
102.2727.46										
	662	3.71	56.74	23.01	35.01	44.74	16.15	345.15	3.95	24.69
324.4181.53										
	661	4.21	21.61	-82.52	-9.78	-51.13	47.78	290.53	-29.69	31.02
229.81125.52										
701 58	746	2.34	55.93	7.56	55.44	8.06	-4.88	194.88	-19.27	51.87
123.73100.87										
	747	1.69	-3.43	-34.25	-22.62	-15.06	14.94	157.69	-3.32	8.60
145.7742.15										
	662	4.34	67.09	20.79	37.63	50.25	22.27	392.92	11.14	37.85
366.2097.40										
	661	4.75	30.12	-83.98	-8.24	-45.63	53.90	337.29	-24.10	44.02
269.18141.34										
701 133	746	1.71	35.77	0.58	34.37	1.99	-6.89	127.79	-14.24	30.37
83.1865.92										
	747	1.10	-2.78	-24.88	-14.52	-13.13	11.03	103.09	-1.70	5.51
95.8826.52										
	662	2.62	38.65	9.54	24.74	23.46	14.54	261.59	9.68	26.42
244.8562.75										
	661	2.68	9.84	-51.69	-8.66	-33.18	28.22	220.68	-18.63	23.11
178.9490.81										
701 163	746	0.93	2.15	-20.63	-7.88	-10.60	-11.30	26.03	-27.16	-19.84
18.72-18.32										

	747	0.60	2.15	-10.39	1.48	-9.72	2.82	22.36	-21.49	-8.60	
9.46-19.98											
	662	1.14	-1.17	-30.60	-1.22	-30.54	-1.31	29.77	-21.03	-6.35	
15.09-23.03											
	661	1.72	14.38	-32.70	-9.61	-8.71	-23.54	26.84	-40.07	-27.89	
14.67-25.81											
701 164	746	0.75	2.02	-19.94	-7.77	-10.16	-10.91	3.08	-13.64	-12.64	
2.08-3.97											
	747	0.40	2.56	-10.15	1.69	-9.29	3.21	2.70	-7.29	-0.68	-
3.90-4.73											
	662	0.99	-1.03	-30.14	-1.06	-30.11	-0.92	9.44	-3.74	3.54	
2.16-6.56											
	661	1.51	14.25	-32.05	-9.52	-8.28	-23.15	3.23	-23.49	-18.70	-
1.56-10.24											
701 194	746	1.41	2.89	-23.87	-8.51	-12.47	-13.23	66.09	-58.64	-35.36	
42.82-48.60											
	747	0.94	0.56	-11.66	0.49	-11.60	0.89	58.86	-57.70	-25.63	
26.78-52.06											
	662	1.44	-1.70	-32.76	-2.04	-32.42	-3.24	66.96	-62.95	-27.93	
31.94-57.65											
	661	2.23	15.12	-35.81	-10.09	-10.59	-25.46	67.97	-77.78	-48.11	
38.30-58.69											
701 224	746	1.28	2.04	-20.65	-8.17	-10.44	-11.29	26.61	-76.21	-50.94	
1.35-44.27											
	747	0.64	2.78	-10.08	1.87	-9.18	3.29	33.95	-41.71	8.03	-
15.79-35.90											
	662	1.68	-1.21	-30.87	-1.25	-30.83	-1.13	118.65	5.98	20.04	
104.59-37.23											
	661	2.19	14.71	-33.64	-10.11	-8.82	-24.17	106.94	-55.92	-30.75	
81.77-58.87											
702 16	748	1.20	-16.71	-35.51	-31.15	-21.07	-7.93	81.95	-6.80	-0.13	
75.29-23.39											
	749	2.70	73.29	12.42	71.48	14.23	-10.34	113.39	-14.81	40.92	
57.66-63.55											
	664	7.56	107.05	-121.92	25.11	-39.98	-109.76	217.35	-13.11	39.99	
164.24-97.05											
	663	5.07	114.82	27.21	36.49	105.53	-26.97	244.15	-3.33	14.23	
226.58-63.55											
702 80	748	1.59	-10.61	-35.91	-29.26	-17.26	-11.13	144.25	-23.51	-20.67	
141.4221.62											
	749	2.49	76.20	14.89	73.05	18.04	-13.54	139.19	17.30	22.64	
133.85-24.96											
	664	7.19	111.07	-122.83	24.40	-36.16	-112.96	249.68	-5.07	7.14	
237.47-54.42											
	663	5.48	120.09	24.70	35.46	109.34	-30.17	290.43	-21.46	-20.78	
289.75-14.54											
702 112	748	0.83	-10.93	-25.04	-19.60	-16.36	-6.87	57.32	-5.08	0.19	
52.05-17.35											
	749	1.65	44.46	4.54	44.32	4.68	-2.33	78.23	-9.17	31.23	
37.83-43.57											
	664	4.63	58.61	-79.91	15.15	-36.45	-64.27	152.50	-5.01	35.59	
111.90-68.90											
	663	3.25	70.63	15.86	23.20	63.29	-18.65	168.77	-4.08	9.79	
154.90-46.96											
702 161	748	0.41	3.17	-9.41	2.46	-8.70	-2.90	13.67	-1.80	1.39	
10.48-6.26											
	749	1.06	2.27	-29.25	-10.80	-16.18	15.53	12.38	-7.63	11.31	-
6.56-4.50											
	664	2.03	13.01	-49.59	-5.43	-31.16	28.53	34.24	-3.19	28.35	
2.69-13.62											
	663	0.82	-4.27	-22.94	-4.27	-22.94	-0.18	25.75	-7.07	2.44	
16.23-14.89											
702 164	748	0.43	5.32	-8.77	3.49	-6.94	-4.74	8.98	-2.57	0.84	
5.57-5.27											
	749	0.94	1.66	-26.09	-10.01	-14.42	13.69	12.74	-2.71	11.84	-
1.81-3.61											
	664	1.92	12.30	-46.49	-4.78	-29.41	26.70	32.96	1.07	26.80	
7.22-12.59											
	663	0.73	-3.16	-21.41	-3.39	-21.19	-2.02	21.00	-8.56	0.90	
11.54-13.79											

702 175	748	0.53	0.21	-12.93	0.10	-12.81	1.25	23.40	-10.18	6.40	6.82-16.78
	749	1.38	3.59	-36.51	-12.63	-20.29	19.68	17.71	-34.25	13.90	-30.44-13.54
	664	2.34	14.81	-56.60	-6.52	-35.27	32.68	46.17	-28.66	37.71	-20.20-23.70
	663	1.03	-5.06	-27.77	-5.77	-27.05	3.96	38.83	-13.90	12.19	12.74-26.36
702 227	748	0.69	5.50	-8.78	3.67	-6.95	-4.78	33.85	-33.54	-7.25	7.56-32.87
	749	1.35	1.84	-27.17	-10.56	-14.77	14.35	60.06	-26.21	42.62	-8.77-34.65
	664	2.24	13.02	-48.44	-5.45	-29.98	28.17	50.60	-114.19	33.24	-96.83-50.58
	663	1.50	-3.37	-22.77	-3.52	-22.62	-1.72	-2.24	-124.95	-15.27	-111.93-37.79
703 16	749	1.94	15.84	-29.82	-17.73	3.76	-20.14	100.83	-11.36	36.55	52.92-55.49
	750	4.42	108.09	-19.05	100.23	-11.20	-30.61	111.24	-49.60	19.13	42.50-79.57
	665	2.30	45.98	3.04	42.44	6.57	-11.80	173.32	-62.55	5.40	105.38-106.82
	664	8.44	215.82	-54.29	200.44	-38.91	-62.59	214.37	-7.15	39.93	167.29-90.63
703 80	749	2.12	24.24	-31.51	-13.09	5.81	-26.23	118.81	-34.17	-34.06	118.69-4.23
	750	4.76	115.00	-19.98	104.16	-9.14	-36.69	87.17	-57.67	-55.96	85.47-15.64
	665	2.02	46.19	0.11	37.68	8.63	-17.88	168.32	-48.74	-35.54	155.12-51.88
	664	8.94	213.77	-55.67	194.95	-36.85	-68.67	249.25	-5.93	3.51	239.81-48.16
703 144	749	1.23	9.78	-20.87	-10.88	-0.21	-14.37	78.55	-18.83	-18.70	78.42-3.55
	750	2.84	65.21	-13.51	61.31	-9.61	-17.07	56.68	-36.70	-35.80	55.78-9.12
	665	1.28	19.20	1.37	19.20	1.38	0.38	111.41	-26.44	-18.27	103.24-32.55
	664	5.85	134.56	-42.94	125.71	-34.10	-38.63	169.37	4.53	12.18	161.72-34.68
703 159	749	0.47	-6.86	-10.29	-10.23	-6.93	-0.48	38.27	-1.87	20.18	16.22-19.97
	750	0.98	17.88	-11.50	17.15	-10.77	4.57	34.52	-13.37	9.39	11.77-23.92
	665	1.62	19.02	-23.27	2.30	-6.56	20.68	57.13	-9.71	12.64	34.78-31.53
	664	2.76	58.77	-32.50	58.30	-32.02	-6.56	83.96	8.48	32.99	59.45-35.35
703 164	749	0.67	0.42	-19.17	-6.47	-12.27	9.35	12.34	-2.47	12.00	-2.13-2.21
	750	1.49	5.74	-40.69	-24.39	-10.56	22.16	6.09	-5.18	4.52	-3.603.91
	665	2.25	21.54	-52.44	-17.77	-13.12	36.92	18.25	-2.51	16.26	-0.526.11
	664	1.59	2.19	-43.55	-12.77	-28.58	21.46	31.78	3.27	29.52	5.54-7.70
703 196	749	1.37	3.75	-26.27	-10.64	-11.87	15.00	46.40	-46.38	-29.36	29.3935.90
	750	2.44	10.21	-48.11	-27.73	-10.16	27.81	48.90	-67.16	-38.83	20.5649.86
	665	3.11	24.40	-61.51	-24.38	-12.72	42.56	63.44	-38.25	-2.31	27.5048.61
	664	1.96	3.20	-51.59	-20.21	-28.18	27.10	55.56	-2.29	12.40	40.8625.18
703 228	749	0.99	0.48	-19.57	-6.69	-12.41	9.61	22.55	-45.21	-25.15	2.5030.93
	750	2.17	5.90	-41.71	-25.17	-10.63	22.67	29.02	-84.05	-53.50	-1.5350.21
	665	2.79	21.80	-53.72	-18.79	-13.13	37.65	101.35	-23.70	-4.64	

82.3044.94
664 1.85 2.33 -44.92 -13.64 -28.95 22.35 114.98 16.47 20.05
111.4018.44
704 16 750 2.12 39.91 -15.57 37.77 -13.43 -10.68 108.89 -51.29 16.67
40.93-79.17
751 3.66 88.78 -8.92 80.53 -0.67 -27.17 102.61 -98.20 -21.33
25.73-97.61
666 6.24 118.80 -65.36 117.90 -64.46 12.82 145.66 -120.12 -32.93
58.48-124.79
665 7.53 188.18 -29.90 154.15 4.14 -79.14 174.71 -63.48 3.39
107.84-107.03
704 80 750 2.86 49.74 -17.19 45.35 -12.80 -16.57 78.04 -88.16 -88.15
78.03 -1.35
751 4.36 98.92 -11.08 87.88 -0.04 -33.06 36.85 -131.65 -131.60
36.80-2.77
666 6.56 123.49 -64.08 123.23 -63.83 6.93 87.28 -106.24 -97.01
78.06-41.23
665 7.60 197.26 -32.80 159.69 4.77 -85.04 161.62 -62.74 -55.23
154.10-40.37
704 144 750 1.65 23.09 -12.28 22.38 -11.56 -4.98 50.91 -57.61 -57.61
50.91 0.63
751 2.41 49.62 -6.38 45.26 -2.02 -15.02 24.44 -92.75 -92.75
24.44 0.37
666 4.24 75.31 -44.27 72.94 -41.90 16.65 53.64 -76.20 -71.43
48.87-24.43
665 4.65 118.22 -19.92 99.95 -1.65 -46.80 106.90 -36.82 -32.46
102.54-24.66
704 161 750 1.51 4.97 -40.76 -27.24 -8.56 20.87 2.89 -10.32 -1.89 -
5.546.35
751 2.11 5.91 -54.99 -43.63 -5.45 23.73 2.36 -24.32 -20.74 -
1.219.09
666 2.65 27.87 -56.65 -31.24 2.47 38.75 -4.36 -30.10 -23.73 -
10.7411.11
665 2.06 14.10 -51.24 -23.17 -13.96 32.34 13.86 -7.14 9.95 -
3.238.17
704 164 750 1.29 3.27 -35.93 -23.57 -9.08 18.21 5.77 -5.63 3.46 -
3.334.58
751 1.86 4.09 -50.05 -39.99 -5.97 21.06 2.25 -17.60 -15.06 -
0.286.63
666 2.43 26.16 -51.85 -27.63 1.95 36.09 -4.23 -25.52 -20.26 -
9.509.18
665 1.87 12.78 -46.80 -19.54 -14.48 29.68 15.87 -3.37 13.09 -
0.596.76
704 180 750 2.15 7.67 -50.17 -35.22 -7.28 25.32 13.47 -42.97 -27.14 -
2.3725.36
751 2.81 8.95 -64.68 -51.57 -4.17 28.17 16.83 -63.34 -47.33
0.8232.05
666 3.28 30.54 -65.91 -39.12 3.75 43.20 11.73 -58.65 -39.00 -
7.9231.57
665 2.58 16.04 -59.81 -31.10 -12.68 36.79 23.34 -26.80 -3.98
0.5224.97
704 228 750 1.98 3.44 -36.86 -24.31 -9.11 18.66 29.31 -86.56 -54.87 -
2.3851.65
751 2.76 4.26 -51.46 -41.19 -6.01 21.60 38.33 -125.19 -82.47 -
4.3971.84
666 3.28 26.49 -53.43 -28.78 1.84 36.91 86.54 -80.97 -47.01
52.5767.35
665 2.40 13.04 -48.20 -20.58 -14.58 30.47 101.22 -25.53 -7.25
82.9444.53
705 16 751 3.34 78.06 -18.96 74.61 -15.51 -17.97 103.65 -99.22 -21.44
25.87-98.64
752 3.36 76.16 -10.92 76.02 -10.79 -3.40 83.19 -141.94 -65.54
6.79-106.60
667 4.56 78.72 -31.84 71.11 -24.22 28.00 116.35 -153.08 -59.05
22.32-128.42
666 5.25 116.77 -37.96 116.58 -37.77 -5.43 145.05 -120.17 -32.72
57.61-124.68
705 80 751 4.40 89.88 -21.06 84.86 -16.04 -23.05 16.71 -145.28 -144.21
15.64 13.12

	752	4.39	86.89	-12.05	86.16	-11.32	-8.49	-4.06	-195.31	-192.03	-7.3324.80
	667	4.22	81.82	-29.68	76.90	-24.75	22.91	14.85	-132.29	-132.13	14.69-4.85
	666	5.88	123.16	-38.99	122.48	-38.30	-10.52	78.99	-104.45	-102.08	76.62-20.69
705 144	751	2.49	44.73	-14.08	43.17	-12.51	-9.46	11.47	-102.75	-101.70	10.42 10.91
	752	2.41	40.11	-8.76	40.07	-8.72	-1.36	-1.65	-139.05	-136.94	-3.7616.91
	667	2.64	48.47	-20.92	40.07	-12.52	22.63	4.56	-101.98	-101.92	4.51-2.39
	666	3.63	72.30	-24.90	72.26	-24.86	1.95	48.59	-76.53	-75.58	47.63-10.89
705 163	751	2.05	1.50	-48.38	-41.60	-5.28	17.10	21.24	-51.00	-34.32	4.5530.44
	752	2.28	-0.51	-56.35	-53.51	-3.35	12.27	14.68	-58.22	-45.00	1.4528.09
	667	2.29	20.48	-42.88	-34.50	12.11	21.46	2.30	-66.29	-51.46	-12.5328.24
	666	2.23	17.12	-44.02	-29.08	2.18	26.27	16.29	-52.39	-31.92	-4.1831.41
705 164	751	1.76	1.98	-47.66	-40.22	-5.46	17.71	2.21	-18.92	-16.68	-0.026.50
	752	2.02	-0.32	-55.32	-52.12	-3.52	12.88	3.42	-26.80	-26.76	3.38 1.12
	667	2.03	20.88	-42.52	-33.58	11.93	22.07	-15.60	-41.75	-41.51	-15.842.52
	666	1.98	17.75	-43.91	-28.17	2.01	26.89	-5.83	-27.10	-22.57	-10.368.71
705 187	751	2.86	4.69	-60.51	-51.03	-4.79	22.98	99.50	-37.05	56.83	5.62-63.29
	752	3.07	2.21	-67.95	-62.89	-2.86	18.15	112.82	-52.55	48.98	11.29-80.51
	667	3.02	24.20	-51.84	-40.24	12.60	27.34	76.67	-86.57	2.22	-12.12-81.31
	666	2.88	21.14	-53.32	-34.85	2.67	32.16	57.95	-62.52	18.93	-23.50-56.37
705 228	751	2.65	2.15	-49.05	-41.41	-5.48	18.24	38.55	-128.03	-84.91	-4.5772.97
	752	2.92	-0.18	-57.22	-53.81	-3.60	13.54	51.12	-141.56	-88.11	-2.3386.27
	667	3.01	21.15	-44.33	-34.83	11.65	23.06	73.76	-116.71	-69.01	26.0582.53
	666	2.83	18.08	-45.52	-29.31	1.87	27.71	84.76	-82.91	-49.86	51.7166.70
706 16	752	3.31	74.81	-12.79	74.53	-12.52	-4.90	84.94	-141.33	-63.40	7.01-107.52
	753	3.29	65.97	-5.62	65.96	-5.61	0.84	40.70	-180.81	-124.91	-15.20-96.22
	668	3.22	48.98	-11.70	37.35	-0.07	23.88	75.16	-162.75	-86.93	-0.66-110.86
	667	4.04	73.69	-22.22	70.64	-19.16	16.84	117.18	-152.11	-57.46	22.53-128.57
706 51	752	4.40	2.41	-119.78	-112.90	-4.46	28.16	52.79	-32.36	25.83	-5.40-39.61
	753	4.50	-3.41	-121.00	-117.85	-6.56	18.98	83.80	-45.93	43.78	-5.91-59.92
	668	3.06	18.46	-69.01	-65.11	14.55	18.06	45.70	-69.60	-0.24	-23.67-56.45
	667	3.39	27.03	-76.67	-65.48	15.83	32.18	13.49	-59.16	-16.49	-29.19-35.77
706 130	752	3.15	1.39	-87.05	-82.26	-3.41	20.03	32.80	-22.39	13.56	-3.14-26.30
	753	3.22	-2.98	-88.04	-86.00	-5.02	13.00	55.84	-31.76	27.26	-3.18-41.07
	668	2.19	13.65	-50.27	-47.81	11.19	12.29	28.43	-49.79	-4.21	-17.14-38.57
	667	2.44	20.01	-56.01	-48.17	12.17	23.12	4.55	-42.79	-16.61	-

21.63-23.54											
706	163	752	2.20	-1.75	-55.54	-54.01	-3.28	8.95	21.45	-53.67	-38.97
6.7529.81											
		753	2.06	-4.78	-57.44	-57.36	-4.86	2.13	15.52	-37.95	-26.29
3.8622.08											
		668	1.60	11.17	-33.92	-33.88	11.13	1.34	4.04	-50.07	-37.94
8.0922.57											
		667	1.97	15.00	-37.59	-34.68	12.09	12.04	4.85	-66.43	-49.31
12.2830.45											
706	164	752	1.97	-1.50	-54.15	-52.40	-3.25	9.44	3.43	-27.51	-27.49
3.41 0.78											
		753	1.90	-4.69	-55.86	-55.73	-4.83	2.62	8.76	-17.48	-14.42
5.70-8.42											
		668	1.48	11.24	-33.13	-33.05	11.17	1.83	-8.02	-32.61	-30.38
10.25-7.05											
		667	1.75	15.31	-37.06	-33.87	12.12	12.53	-16.06	-42.34	-42.13
16.262.31											
706	187	752	3.09	-0.14	-68.47	-65.54	-3.08	13.86	128.00	-71.95	46.36
9.69-98.28											
		753	3.12	-3.89	-69.75	-68.99	-4.66	7.04	156.40	-80.31	60.62
15.46-116.18											
		668	2.37	12.10	-40.43	-39.67	11.34	6.25	121.25	-104.49	20.65
3.88-112.20											
		667	2.67	17.28	-45.34	-40.36	12.29	16.95	92.67	-96.64	7.71
11.68-94.16											
706	228	752	2.84	-1.39	-56.02	-54.09	-3.32	10.08	51.20	-144.86	-90.94
2.7287.54											
		753	2.46	-4.80	-58.23	-57.99	-5.04	3.55	76.15	-108.29	-38.61
6.4889.42											
		668	2.08	10.87	-34.55	-34.35	10.67	3.03	79.17	-105.73	-41.92
15.3787.90											
		667	2.64	15.46	-38.75	-35.13	11.84	13.53	72.60	-118.23	-70.91
25.2882.41											
707	16	753	3.21	65.57	-6.72	65.49	-6.65	-2.36	42.99	-178.75	-120.72
15.04-97.47											
		754	3.31	57.51	0.06	56.72	0.86	-6.72	-24.67	-248.26	-232.57
40.37-57.12											
		669	2.02	25.43	-5.68	12.97	6.78	15.24	6.20	-167.91	-142.96
18.76-61.00											
		668	2.76	43.03	-2.74	38.60	1.69	13.54	76.74	-162.05	-85.17
0.14-111.57											
707	51	753	4.47	-8.96	-126.08	-124.08	-10.96	15.17	92.68	-38.62	37.43
16.64-64.82											
		754	4.39	-19.06	-116.58	-114.05	-21.58	15.49	135.37	-30.81	84.84
19.72-76.45											
		669	1.81	-7.72	-48.08	-46.13	-9.66	-8.65	119.04	-45.14	59.78
14.12-78.85											
		668	2.52	11.06	-62.07	-61.31	10.31	7.40	59.08	-68.49	-3.87
5.54-63.78											
707	130	753	3.19	-6.73	-91.37	-90.18	-7.92	9.94	62.23	-27.29	23.11
11.82-44.41											
		754	3.12	-14.53	-83.90	-82.36	-16.06	10.20	94.35	-20.87	59.43
14.05-52.95											
		669	1.35	-4.53	-35.95	-33.56	-6.93	-8.34	83.24	-30.84	42.17
10.24-54.76											
		668	1.80	8.70	-45.66	-45.37	8.41	3.96	37.75	-49.35	-6.64
4.95-43.54											
707	161	753	2.07	-5.23	-62.64	-62.63	-5.24	0.96	17.52	-16.99	-6.23
6.76-15.99											
		754	1.84	-13.21	-54.31	-54.27	-13.25	1.34	43.47	-6.05	29.20
8.22-22.43											
		669	1.40	5.63	-33.58	-23.63	-4.32	-17.07	39.96	-10.41	22.39
7.16-24.01											
		668	1.62	11.40	-36.71	-36.18	10.87	-5.00	0.08	-33.95	-25.41
8.46-14.75											
707	164	753	1.91	-4.52	-56.02	-55.99	-4.56	-1.31	8.99	-17.30	-13.81
5.50-8.92											
		754	1.55	-12.54	-47.48	-47.46	-12.57	-0.93	30.77	-2.47	21.55
6.75-14.88											

	669	1.42	8.88	-33.52	-21.01	-3.64	-19.34	29.15	-5.60	17.32	
6.22-16.47											
	668	1.60	12.70	-34.88	-33.74	11.56	-7.27	-6.96	-32.96	-30.46	-
9.46-7.66											
707 175	753	2.70	-6.28	-78.52	-78.03	-6.78	5.95	63.88	-55.10	2.24	
6.55-59.45											
	754	2.61	-14.07	-70.81	-70.10	-14.79	6.33	89.08	-43.27	37.76	
8.05-64.48											
	669	1.61	-0.80	-34.72	-29.67	-5.86	-12.08	90.05	-46.05	36.88	
7.12-66.41											
	668	1.76	9.34	-41.79	-41.79	9.34	-0.01	50.89	-66.52	-10.78	-
4.85-58.63											
707 225	753	2.15	-4.29	-53.81	-53.71	-4.39	-2.21	119.08	-99.45	14.37	
5.26-109.17											
	754	2.14	-11.81	-44.83	-44.65	-11.98	-2.39	72.06	-141.07	-55.79	-
13.21-104.42											
	669	2.50	10.88	-33.73	-20.01	-2.84	-20.58	85.34	-122.06	-23.93	-
12.79-103.55											
	668	2.12	13.65	-33.98	-32.41	12.08	-8.50	77.78	-129.77	-17.22	-
34.77-103.40											
708 16	754	3.19	54.93	-0.70	52.25	1.98	-11.91	-20.82	-257.11	-239.26	-
38.67-62.44											
	755	4.14	46.78	-4.09	46.48	-3.80	-3.88	-63.05	-408.10	-402.80	-
68.3442.42											
	670	1.94	-1.70	-23.64	-10.94	-14.41	10.83	-38.47	-240.44	-236.51	-
42.4027.89											
	669	1.72	21.41	5.81	16.24	10.98	7.35	4.41	-166.90	-146.39	-
16.10-55.61											
708 73	754	5.00	-15.24	-44.29	-39.98	-19.55	-10.33	589.44	63.67	530.98	
122.13165.28											
	755	4.03	-12.36	-18.91	-18.87	-12.40	0.52	578.63	102.30	561.20	
119.7389.43											
	670	3.78	36.59	-57.60	13.21	-34.23	-40.68	401.87	55.27	382.84	
74.2978.95											
	669	5.06	29.93	-63.34	-33.28	-0.13	-43.59	351.32	-11.38	264.39	
75.55154.83											
708 141	754	3.51	-12.59	-35.34	-32.53	-15.40	-7.49	394.83	44.74	357.53	
82.04108.01											
	755	2.83	-9.80	-16.49	-16.38	-9.90	0.84	392.21	70.20	380.88	
81.5359.34											
	670	2.73	27.93	-44.01	10.58	-26.66	-30.78	281.28	40.14	269.55	
51.8851.88											
	669	3.60	22.42	-48.12	-25.18	-0.51	-33.04	233.85	-4.00	178.36	
51.49100.59											
708 158	754	1.45	-16.97	-45.21	-44.38	-17.80	-4.76	34.90	-4.56	25.78	
4.56-16.64											
	755	1.15	-11.60	-29.33	-28.58	-12.35	3.56	50.30	12.39	50.15	
12.54-2.39											
	670	2.43	27.44	-42.69	13.75	-29.01	-27.79	107.18	16.22	106.75	
16.65-6.24											
	669	2.06	19.08	-43.99	-21.89	-3.02	-30.09	32.05	-9.29	14.97	
7.78-20.36											
708 164	754	1.44	-17.00	-44.84	-44.08	-17.76	-4.54	35.28	-4.02	26.57	
4.69-16.32											
	755	1.15	-11.44	-29.32	-28.50	-12.26	3.75	50.70	12.70	50.58	
12.82 -2.13											
	670	2.40	26.76	-42.33	13.26	-28.83	-27.40	107.77	17.24	107.41	
17.60-5.68											
	669	2.05	18.55	-44.21	-22.45	-3.21	-29.87	32.14	-7.97	15.74	
8.42-19.72											
708 189	754	2.36	-13.46	-37.63	-35.00	-16.08	-7.52	-6.52	-197.65	-163.53	-
40.63-73.19											
	755	1.41	-10.52	-19.47	-19.40	-10.58	0.77	-18.24	-143.57	-137.80	-
24.01-26.27											
	670	2.45	31.75	-42.81	16.08	-27.15	-30.38	33.47	-20.68	13.19	-
0.40-26.21											
	669	2.96	23.49	-44.66	-19.64	-1.52	-32.85	30.35	-128.63	-80.23	-
18.06-73.16											
708 225	754	2.22	-15.48	-42.84	-41.39	-16.93	-6.14	80.56	-145.07	-50.02	-

14.48-111.41											
	755	2.20	-11.03	-26.45	-26.01	-11.47	2.56	-39.54	-241.32	-237.48	-
43.37-27.56											
	670	2.33	28.24	-42.88	13.94	-28.58	-28.51	10.72	-57.64	-35.16	-
11.76-32.11											
	669	3.14	20.61	-44.40	-21.48	-2.32	-31.06	88.96	-125.46	-26.98	-
9.52-106.86											
709	5	755	2.77	-14.74	-72.04	-70.87	-15.92	-8.12	-15.92	-94.40	-94.39	-
15.94-1.11											
	756	2.73	33.43	-59.66	-28.38	2.15	-43.97	-2.51	-14.89	-14.04	-
3.363.14											
	673	2.18	51.20	-21.95	31.56	-2.30	-32.42	2.26	-9.96	-9.56	
1.85 -2.19											
	672	4.04	118.60	20.52	89.47	49.66	-44.82	-13.66	-72.56	-70.03	-
16.1911.94											
709	29	755	4.55	-6.13	-100.96	-97.75	-9.35	-17.16	-14.32	-205.24	-182.65	-
36.91-61.67											
	756	4.45	36.74	-86.15	-57.70	8.29	-51.83	22.67	-114.02	-98.98	
7.63-42.78											
	673	2.82	56.44	-27.37	24.64	4.44	-40.67	52.26	-7.56	19.37	
25.34-29.76											
	672	4.21	123.40	14.26	83.32	54.35	-52.61	4.27	-94.36	-42.17	-
47.92-49.23											
709	119	755	3.30	-5.59	-74.35	-72.11	-7.83	-12.21	-11.96	-145.46	-131.23	-
26.18-41.19											
	756	3.22	27.57	-63.15	-41.27	5.68	-38.81	14.54	-77.20	-67.46	
4.80-28.26											
	673	2.08	42.55	-20.28	19.51	2.76	-30.28	34.74	-5.83	11.86	
17.05-20.12											
	672	3.12	93.74	11.55	64.26	41.03	-39.42	-2.69	-66.05	-35.31	-
33.42-31.67											
709	158	755	2.06	-11.20	-53.23	-52.35	-12.08	-6.01	-12.06	-71.48	-71.47	-
12.08-0.85											
	756	2.00	24.23	-44.10	-21.15	1.27	-32.27	-2.09	-11.34	-10.79	-
2.632.18											
	673	1.62	38.14	-15.88	23.75	-1.48	-23.88	1.56	-8.43	-8.07	
1.21 -1.86											
	672	2.99	87.43	15.10	66.31	36.22	-32.88	-10.27	-54.70	-52.89	-
12.088.78											
709	164	755	2.04	-11.14	-52.89	-52.07	-11.97	-5.80	-11.83	-71.03	-71.02	-
11.84-0.60											
	756	1.98	23.89	-43.71	-20.98	1.16	-31.93	-1.75	-11.48	-11.06	-
2.161.97											
	673	1.59	37.56	-15.94	23.12	-1.50	-23.75	1.67	-8.37	-7.90	
1.20 -2.12											
	672	2.96	86.44	14.92	65.32	36.03	-32.62	-9.41	-55.63	-53.95	-
11.088.65											
709	185	755	2.70	-9.51	-57.00	-55.52	-10.99	-8.24	-35.99	-157.08	-156.85	-
36.22-5.22											
	756	2.40	25.60	-48.23	-24.77	2.14	-34.38	-20.10	-95.68	-95.40	-
20.374.54											
	673	2.03	42.81	-16.35	26.97	-0.52	-26.19	-7.18	-55.02	-53.62	-
8.578.06											
	672	3.30	92.28	14.76	70.04	37.01	-35.07	-36.95	-99.29	-99.28	-
36.960.70											
709	221	755	2.95	-11.75	-55.12	-54.38	-12.49	-5.64	-44.47	-208.89	-206.46	-
46.89-19.83											
	756	2.04	24.07	-45.44	-22.36	0.99	-32.73	-4.12	-16.13	-15.51	-
4.742.66											
	673	1.69	38.12	-16.81	23.03	-1.71	-24.52	-1.45	-26.13	-19.88	-
7.69-10.73											
	672	3.22	88.13	15.27	66.36	37.04	-33.35	-11.13	-103.56	-102.87	-
11.838.00											
710	5	756	2.92	44.77	-55.74	-54.03	43.07	-12.99	-4.16	-6.79	-6.77	-
4.180.22											
	757	0.69	7.18	-14.17	-3.81	-3.18	-10.67	26.21	-0.96	26.09	-
0.841.74											
	674	3.69	20.71	-98.42	-52.97	-24.75	-57.87	41.95	-1.25	39.83	
0.87-9.33											

710	29	756	3.85	50.32	-69.19	-68.30	49.44	-10.22	99.35	1.44	24.71
76.07-41.68											
		757	1.24	6.21	-21.81	-19.21	3.61	-8.13	109.27	25.91	56.13
79.05-40.07											
		674	4.10	17.60	-101.43	-66.93	-16.90	-54.00	126.22	23.84	69.40
80.66-50.88											
710	119	756	2.85	37.90	-51.60	-50.86	37.16	-8.11	65.74	0.32	15.71
50.36-27.74											
		757	0.86	4.44	-15.54	-13.16	2.07	-6.47	73.61	19.03	39.97
52.67-26.54											
		674	3.09	13.67	-77.19	-49.83	-13.69	-41.68	86.91	17.19	50.17
53.93-34.81											
710	160	756	2.29	33.63	-43.11	-41.96	32.47	-9.35	10.35	-3.85	-1.50
8.00-5.27											
		757	0.48	4.53	-10.79	-4.71	-1.55	-7.49	24.64	9.19	23.35
10.48-4.27											
		674	2.77	14.73	-73.11	-41.15	-17.23	-42.26	39.10	6.27	33.55
11.82-12.30											
710	164	756	2.16	32.79	-41.20	-39.91	31.50	-9.69	-2.65	-5.78	-5.75	-
2.680.31											
		757	0.50	5.24	-10.43	-2.66	-2.52	-7.84	19.19	-0.29	19.10	-
0.201.32											
		674	2.72	15.22	-72.52	-39.10	-18.20	-42.60	30.82	-0.38	29.30	
1.14-6.72											
710	178	756	2.19	31.94	-37.32	-34.87	29.49	-12.78	-9.04	-57.40	-26.51	-
39.9423.23											
		757	0.92	10.39	-12.54	2.38	-4.53	-10.93	10.57	-49.68	-1.66	-
37.4524.23											
		674	3.01	19.08	-73.36	-34.07	-20.21	-45.70	13.80	-41.37	8.54	-
36.1116.20											
710	211	756	2.38	32.19	-44.42	-43.46	31.22	-8.53	14.13	-14.98	-13.47	
12.62-6.45											
		757	0.49	2.80	-6.60	-2.90	-0.90	-4.60	59.01	17.38	53.25	
23.14-14.37											
		674	2.92	13.78	-76.74	-44.24	-18.72	-43.42	66.81	8.00	56.96	
17.86-21.97											
711	15	758	2.39	0.19	-6.79	-2.70	-3.91	-3.44	-6.94	-353.61	-352.63	-
7.92-18.42											
		759	1.45	0.21	-7.22	-5.16	-1.85	3.33	2.74	-191.56	-191.22	
2.40 8.10											
		676	1.32	3.46	-15.85	-6.56	-5.83	9.65	-29.93	-163.90	-163.59	-
30.246.42											
		675	2.02	1.05	-8.60	-3.24	-4.31	-4.80	-62.65	-307.58	-302.70	-
67.53-34.22											
711	96	758	3.58	-1.65	-11.37	-8.92	-4.09	-4.22	469.42	-96.39	317.98	
55.04-250.50											
		759	4.39	-3.00	-14.75	-14.63	-3.13	1.18	560.04	-89.97	378.62	
91.46-291.57											
		676	4.15	5.62	-12.49	-1.08	-5.79	8.74	476.26	-132.96	283.01	
60.29-283.52											
		675	3.50	3.63	-7.19	2.43	-5.98	-3.41	394.08	-149.40	232.28	
12.39-248.50											
711	152	758	2.34	-0.95	-8.59	-5.93	-3.61	-3.64	284.11	-80.15	167.56	
36.39-169.91											
		759	2.90	-2.30	-11.81	-11.49	-2.63	1.73	354.97	-68.77	225.03	
61.17-195.39											
		676	2.92	5.31	-12.96	-2.42	-5.24	9.03	302.59	-101.22	164.44	
36.92-191.57											
		675	2.34	2.15	-6.51	1.01	-5.37	-2.93	240.34	-122.69	116.74	
0.92-172.03											
711	159	758	1.30	0.90	-4.56	-0.86	-2.80	-2.55	-2.50	-193.71	-193.07	-
3.15-11.08											
		759	0.89	0.03	-6.24	-4.67	-1.54	2.71	1.14	-110.29	-110.28	
1.13 0.99											
		676	0.86	3.98	-13.34	-5.08	-4.28	8.65	-15.58	-95.78	-95.72	-
15.64-2.20											
		675	1.12	-0.11	-5.79	-2.11	-3.79	-2.71	-31.32	-169.37	-165.70	-
34.99-22.22											
711	164	758	0.94	1.55	-4.11	0.07	-2.64	-2.48	-0.33	-133.85	-133.28	-

0.90-8.72											
	759	0.71	-0.07	-6.77	-5.21	-1.63	2.83	0.69	-82.24	-82.13	
0.58-3.02											
	676	0.74	4.99	-14.21	-5.10	-4.12	9.59	-8.89	-73.61	-72.69	-
9.81-7.66											
	675	0.80	-0.69	-5.27	-1.81	-4.15	-1.97	-18.24	-118.14	-114.35	-
22.03-19.08											
711 189	758	2.56	1.72	-3.20	0.71	-2.19	-1.99	-15.46	-377.76	-364.29	-
28.9468.57											
	759	2.49	0.83	-6.67	-4.66	-1.18	3.33	-11.00	-346.83	-315.98	-
41.8597.01											
	676	2.40	4.43	-16.22	-8.11	-3.67	10.08	-10.24	-285.11	-253.64	-
41.7187.53											
	675	2.02	-2.67	-5.81	-4.78	-3.70	-1.47	-28.77	-303.24	-292.48	-
39.5353.27											
711 200	758	3.60	-1.63	-12.58	-10.65	-3.56	-4.17	-13.72	-497.63	-495.98	-
15.38-28.24											
	759	1.92	-0.54	-14.22	-13.45	-1.31	3.15	2.03	-220.16	-219.69	
1.56 10.21											
	676	1.55	1.53	-17.04	-10.75	-4.75	8.79	-30.89	-186.73	-186.70	-
30.922.24											
	675	2.66	-3.34	-6.04	-5.05	-4.33	-1.30	-77.68	-411.61	-402.13	-
87.16-55.45											
712 15	759	1.37	-0.17	-7.27	-4.76	-2.67	-3.39	-0.19	-188.15	-187.50	-
0.8411.04											
	760	1.19	-1.68	-17.22	-16.23	-2.67	3.79	6.39	-94.03	-87.56	-
0.0824.65											
	677	1.69	7.01	-27.56	-15.75	-4.80	16.40	5.03	-95.90	-76.04	-
14.8340.13											
	676	1.23	-5.12	-8.08	-7.10	-6.10	1.39	-31.21	-170.64	-169.39	-
32.4513.12											
712 95	759	4.33	1.26	-5.93	-1.46	-3.21	-3.48	225.24	-476.53	-232.35	-
18.94-334.26											
	760	4.08	-2.53	-18.50	-17.71	-3.32	3.46	267.41	-422.41	-179.99	
25.00-329.33											
	677	4.77	9.28	-27.04	-13.44	-4.31	17.58	258.87	-404.53	-162.22	
16.56-319.43											
	676	4.21	-0.70	-9.50	-4.04	-6.16	4.27	216.83	-459.47	-212.47	-
30.18-325.63											
712 152	759	2.94	0.61	-4.71	-1.67	-2.42	-2.63	146.64	-324.83	-165.56	-
12.63-222.99											
	760	2.73	-1.90	-14.64	-14.03	-2.50	2.71	175.94	-285.02	-125.77	
16.69-219.19											
	677	3.28	7.04	-20.91	-10.58	-3.28	13.49	170.03	-273.35	-113.66	
10.35-212.84											
	676	2.85	-0.73	-7.36	-3.41	-4.68	3.25	140.54	-313.83	-151.78	-
21.50-217.64											
712 163	759	1.00	-0.66	-5.95	-4.44	-2.17	-2.39	15.83	-115.16	-96.76	-
2.57-45.52											
	760	0.95	-1.62	-16.46	-15.85	-2.24	2.96	24.23	-80.43	-59.70	
3.50-41.71											
	677	1.25	6.50	-21.28	-11.71	-3.08	13.21	20.87	-78.67	-55.69	-
2.10-41.94											
	676	0.86	-1.64	-7.62	-4.91	-4.36	2.97	9.31	-112.88	-90.93	-
12.64-46.91											
712 164	759	0.69	-0.88	-6.50	-5.28	-2.10	-2.32	-0.05	-79.91	-79.90	-
0.07-1.12											
	760	0.84	-1.56	-17.28	-16.68	-2.17	3.03	0.36	-43.50	-43.33	
0.19 2.69											
	677	1.00	6.46	-21.63	-12.16	-3.01	13.28	-5.14	-41.40	-41.38	-
5.150.81											
	676	0.62	-1.74	-7.93	-5.37	-4.29	3.05	-10.13	-76.30	-76.04	-
10.39-4.16											
712 195	759	1.72	-1.00	-6.75	-5.81	-1.95	-2.13	137.47	-138.41	-9.76	
8.82137.63											
	760	1.66	-1.36	-17.84	-17.19	-2.02	3.21	134.72	-115.10	25.68	-
6.06123.89											
	677	2.34	6.71	-21.81	-12.25	-2.86	13.46	137.32	-132.17	16.87	-
11.72133.98											

	676	1.70	-1.50	-8.10	-5.47	-4.14	3.23	118.92	-140.33	-16.41	-
5.00129.50											
712 216	759	1.37	-1.23	-8.23	-7.39	-2.07	-2.28	16.23	-178.44	-155.77	-
6.4462.44											
	760	1.23	-1.64	-19.00	-18.46	-2.18	3.01	74.83	-82.02	-3.74	-
3.4578.43											
	677	2.28	5.72	-22.32	-13.63	-2.97	12.97	121.10	-136.51	-8.27	-
7.13128.80											
	676	1.83	-2.67	-8.86	-7.23	-4.30	2.73	45.16	-213.17	-136.90	-
31.11117.84											
713 15	760	1.11	-2.31	-17.50	-16.97	-2.85	-2.80	6.26	-93.86	-87.29	-
0.3124.78											
	761	1.34	-2.82	-34.00	-33.53	-3.29	3.77	23.30	-44.09	-20.09	-
0.7032.27											
	678	1.87	6.68	-35.31	-27.20	-1.43	16.58	47.78	-65.39	-12.37	-
5.2456.47											
	677	1.32	-0.67	-20.19	-16.31	-4.55	7.79	3.96	-96.33	-76.79	-
15.5739.72											
713 95	760	4.64	-2.78	-18.69	-18.13	-3.35	-2.95	165.66	-529.36	-341.39	-
22.30-308.72											
	761	4.37	-3.39	-36.49	-36.14	-3.74	3.39	159.12	-477.78	-297.70	-
20.96-286.82											
	678	4.28	7.00	-32.06	-23.90	-1.16	15.88	173.18	-440.36	-248.71	-
18.46-284.35											
	677	4.37	1.43	-18.65	-13.23	-3.99	8.92	180.86	-497.27	-295.40	-
21.02-310.07											
713 152	760	3.17	-2.13	-14.80	-14.39	-2.54	-2.24	108.61	-356.75	-233.29	-
14.85-205.45											
	761	2.99	-2.57	-28.40	-28.13	-2.84	2.65	105.01	-318.85	-199.84	-
13.99-190.47											
	678	2.92	5.34	-24.84	-18.64	-0.86	12.19	114.03	-293.55	-166.65	-
12.88-188.73											
	677	2.95	1.00	-14.53	-10.48	-3.04	6.82	118.37	-335.52	-202.38	-
14.78-206.66											
713 163	760	1.19	-2.04	-16.71	-16.42	-2.34	-2.07	13.29	-96.83	-80.72	-
2.82-38.92											
	761	1.27	-2.34	-29.70	-29.41	-2.64	2.84	15.01	-66.13	-48.21	-
2.91-33.66											
	678	1.15	5.06	-25.59	-19.78	-0.75	12.01	14.33	-58.68	-38.35	-
6.01-32.73											
	677	0.86	0.47	-15.31	-11.92	-2.91	6.48	12.15	-92.75	-73.00	-
7.60-41.01											
713 164	760	0.83	-2.02	-17.57	-17.31	-2.29	-2.02	0.36	-42.90	-42.73	
0.18 2.74											
	761	1.06	-2.30	-30.59	-30.29	-2.59	2.89	2.31	-12.77	-10.31	-
0.145.57											
	678	1.04	5.04	-26.05	-20.31	-0.71	12.07	1.06	-11.62	-6.28	-
4.276.26											
	677	0.74	0.44	-15.77	-12.46	-2.87	6.53	-5.75	-40.84	-40.83	-
5.760.42											
713 193	760	1.94	-1.91	-22.07	-21.88	-2.10	-1.94	165.23	-103.96	53.88	
7.39132.57											
	761	2.12	-2.13	-35.11	-34.84	-2.40	2.96	179.85	-87.78	85.98	
6.09127.71											
	678	2.19	4.77	-28.39	-23.11	-0.51	12.14	170.73	-95.65	75.64	-
0.55127.62											
	677	1.89	0.16	-18.10	-15.27	-2.67	6.61	152.18	-110.02	41.40	
0.76129.51											
713 216	760	1.07	-2.04	-19.32	-19.08	-2.29	-2.03	62.70	-75.05	-8.20	-
4.1568.85											
	761	1.60	-2.32	-31.93	-31.65	-2.60	2.88	109.68	-47.84	64.86	-
3.0271.07											
	678	2.08	4.59	-26.76	-21.49	-0.68	11.73	149.09	-95.35	55.58	-
1.84118.80											
	677	1.92	-0.07	-16.75	-13.95	-2.87	6.23	120.63	-139.78	-10.89	-
8.25130.20											
714 7	761	1.57	-3.35	-46.45	-46.29	-3.51	-2.64	3.58	-16.26	-12.49	-
0.207.79											
	762	1.94	-3.47	-57.07	-56.88	-3.67	3.20	21.45	-6.67	15.32	-

0.5411.62											
	679	1.41	2.45	-38.49	-36.68	0.64	8.42	33.59	-15.02	22.03	-
3.4520.70											
	678	1.13	1.30	-31.24	-29.48	-0.46	7.36	2.98	-15.46	-6.68	-
5.819.21											
714 95	761	4.60	-2.89	-37.08	-36.75	-3.21	-3.31	117.35	-483.04	-338.70	-
27.00-256.57											
	762	4.25	-3.22	-46.91	-46.76	-3.37	2.55	93.11	-432.83	-311.63	-
28.08-221.48											
	679	3.25	2.52	-32.55	-30.89	0.86	7.45	112.96	-363.56	-232.98	-
17.62-212.53											
	678	3.58	1.27	-25.53	-24.00	-0.26	6.22	142.66	-422.23	-260.90	-
18.68-255.16											
714 152	761	3.18	-2.26	-28.86	-28.62	-2.50	-2.49	77.28	-322.37	-227.07	-
18.01-170.31											
	762	2.94	-2.50	-36.37	-36.25	-2.62	2.02	61.43	-286.50	-206.30	-
18.78-146.54											
	679	2.20	1.90	-25.29	-24.01	0.62	5.76	73.85	-239.15	-153.21	-
12.09-139.69											
	678	2.42	0.93	-19.91	-18.74	-0.24	4.80	93.69	-281.37	-174.63	-
13.05-169.24											
714 163	761	1.38	-2.47	-30.16	-29.98	-2.64	-2.17	10.20	-66.94	-53.04	-
3.70-29.65											
	762	1.41	-2.60	-37.33	-37.17	-2.76	2.36	8.41	-45.05	-32.57	-
4.07-22.61											
	679	0.96	1.71	-26.34	-25.05	0.42	5.88	6.07	-28.64	-18.09	-
4.48-15.96											
	678	0.90	0.63	-21.09	-19.99	-0.47	4.77	10.33	-55.67	-39.10	-
6.24-28.62											
714 164	761	1.05	-2.52	-31.04	-30.89	-2.67	-2.08	2.43	-12.10	-9.54	-
0.135.53											
	762	1.30	-2.63	-38.24	-38.07	-2.80	2.44	15.40	-4.86	10.93	-
0.398.40											
	679	0.99	1.69	-26.91	-25.60	0.38	5.97	24.21	-11.00	15.80	-
2.5915.01											
	678	0.78	0.61	-21.66	-20.54	-0.51	4.85	1.66	-11.41	-5.22	-
4.536.53											
714 189	761	2.47	-2.58	-36.74	-36.61	-2.71	-2.08	199.55	-55.54	132.08	
11.93112.51											
	762	2.61	-2.69	-43.96	-43.81	-2.84	2.45	206.62	-41.88	152.61	
12.13102.50											
	679	2.02	1.50	-30.33	-29.17	0.34	5.97	189.83	-59.90	125.92	
4.01108.98											
	678	1.81	0.42	-25.06	-24.10	-0.54	4.85	177.81	-71.51	104.85	
1.45113.43											
714 216	761	1.69	-2.53	-32.39	-32.25	-2.68	-2.09	101.22	-41.17	63.34	-
3.2962.93											
	762	1.94	-2.64	-39.13	-38.97	-2.80	2.44	120.29	-33.00	89.84	-
2.5461.17											
	679	1.67	1.51	-27.55	-26.43	0.38	5.60	150.65	-74.14	78.75	-
2.24104.85											
	678	1.70	0.43	-22.64	-21.72	-0.49	4.51	151.24	-98.89	54.72	-
2.38121.76											
715 7	762	1.96	-3.44	-56.92	-56.72	-3.64	-3.23	21.35	-6.71	15.20	-
0.5511.61											
	763	1.93	-3.23	-55.49	-55.35	-3.37	2.70	27.17	-7.24	20.37	-
0.4313.70											
	680	1.42	-1.38	-38.05	-38.02	-1.41	1.02	43.44	-19.14	22.92	
1.3829.38											
	679	1.43	0.66	-36.66	-36.62	0.62	-1.27	34.11	-15.72	21.83	-
3.4421.47											
715 95	762	4.07	-2.93	-47.58	-47.16	-3.35	-4.30	76.04	-373.00	-276.62	-
20.34-184.36											
	763	3.61	-3.02	-45.47	-45.41	-3.08	1.65	51.52	-342.86	-271.31	-
20.03-151.98											
	680	2.83	-1.15	-32.17	-32.17	-1.15	-0.24	64.04	-268.18	-197.09	-
7.05-136.25											
	679	3.18	1.05	-31.22	-31.00	0.83	-2.62	93.65	-302.51	-198.44	-
10.42-174.35											
715 152	762	2.84	-2.30	-36.80	-36.50	-2.60	-3.20	50.04	-246.62	-182.97	-

13.61-121.79											
	763	2.52	-2.34	-35.18	-35.12	-2.40	1.38	33.65	-225.93	-178.89	-
13.40-99.99											
	680	1.95	-0.92	-24.96	-24.96	-0.92	-0.09	40.95	-174.67	-129.15	-
4.57-87.99											
	679	2.19	0.76	-24.23	-24.08	0.60	-1.94	60.91	-198.41	-130.21	-
7.29-114.16											
715	158	762	1.37	-2.62	-39.85	-39.68	-2.79	-2.51	15.05	-4.66	10.78	-
0.408.12											
	763	1.33	-2.47	-38.32	-38.20	-2.59	2.08	19.41	-5.12	14.60	-
0.319.74											
	680	1.01	-1.10	-26.98	-26.97	-1.12	0.53	31.07	-13.70	16.54	
0.8220.96											
	679	1.02	0.46	-26.23	-26.16	0.39	-1.36	24.09	-11.12	15.70	-
2.7315.00											
715	164	762	1.32	-2.60	-38.14	-37.96	-2.78	-2.51	15.33	-4.89	10.85	-
0.408.40											
	763	1.27	-2.46	-36.48	-36.35	-2.59	2.07	19.83	-5.24	14.91	-
0.329.95											
	680	0.99	-1.11	-26.33	-26.32	-1.12	0.46	31.58	-13.83	16.78	
0.9721.28											
	679	1.01	0.45	-25.65	-25.57	0.37	-1.46	24.55	-11.47	15.65	-
2.5815.53											
715	189	762	2.55	-2.69	-43.29	-43.14	-2.84	-2.45	180.51	-36.11	135.71	
8.6987.74											
	763	2.38	-2.53	-41.68	-41.57	-2.64	2.14	175.76	-27.28	139.72	
8.7577.58											
	680	1.96	-1.17	-29.60	-29.59	-1.18	0.53	161.16	-45.25	110.85	
5.0688.62											
	679	2.06	0.37	-28.88	-28.82	0.31	-1.39	164.52	-53.74	109.78	
1.0094.61											
715	216	762	2.00	-2.61	-39.03	-38.86	-2.78	-2.52	113.23	-27.39	88.53	-
2.6953.50											
	763	1.81	-2.46	-36.90	-36.78	-2.58	2.06	107.71	-24.79	84.80	-
1.8950.10											
	680	1.69	-1.13	-26.80	-26.80	-1.13	0.11	128.85	-61.68	70.61	-
3.4487.78											
	679	1.96	0.49	-26.52	-26.40	0.36	-1.82	153.08	-77.92	77.58	-
2.42108.35											
716	15	763	1.72	-2.86	-44.68	-44.34	-3.20	-3.75	50.82	-25.17	26.56	-
0.9135.42											
	764	1.47	-2.54	-40.11	-39.90	-2.75	2.82	46.12	-21.68	25.00	-
0.5631.39											
	681	1.42	-4.85	-38.58	-38.29	-5.14	3.09	78.21	-45.71	19.45	
13.0561.88											
	680	1.84	-0.44	-39.21	-37.88	-1.77	-7.06	87.19	-52.79	26.24	
8.1669.41											
716	95	763	3.32	-2.98	-45.75	-45.14	-3.59	-5.08	45.03	-272.17	-218.10	-
9.04-119.28											
	764	2.90	-3.07	-38.95	-38.89	-3.13	1.52	27.67	-261.62	-224.26	-
9.69-97.01											
	681	2.30	-5.55	-30.81	-30.80	-5.55	0.31	47.94	-198.07	-166.32	
16.18-82.49											
	680	2.73	0.80	-34.95	-31.99	-2.16	-9.85	59.07	-204.13	-154.02	
8.96-103.34											
716	152	763	2.34	-2.29	-35.27	-34.83	-2.72	-3.77	29.30	-178.91	-143.54	-
6.07-78.19											
	764	2.04	-2.31	-30.06	-30.00	-2.37	1.30	17.81	-172.53	-148.24	-
6.48-63.50											
	681	1.61	-4.22	-23.87	-23.87	-4.23	0.35	30.97	-129.51	-110.02	
11.48-52.42											
	680	1.91	0.57	-26.99	-24.80	-1.62	-7.46	37.65	-132.15	-100.62	
6.13-66.02											
716	159	763	1.29	-2.21	-35.18	-34.93	-2.46	-2.90	27.59	-11.33	16.77	-
0.5117.44											
	764	1.08	-1.95	-30.77	-30.60	-2.12	2.17	23.68	-10.22	13.72	-
0.2515.45											
	681	0.93	-3.84	-27.04	-26.93	-3.95	1.64	40.31	-22.89	10.12	
7.30 31.57											

	680	1.26	0.01	-28.77	-27.38	-1.37	-6.16	46.46	-25.59	17.48	
3.3935.33											
716 164	763	1.27	-2.21	-35.81	-35.55	-2.47	-2.91	19.05	-5.45	13.96	-
0.369.94											
	764	1.05	-1.95	-30.70	-30.54	-2.12	2.17	14.71	-5.33	9.50	-
0.118.79											
	681	0.82	-3.90	-25.05	-24.99	-3.95	1.08	25.13	-13.51	6.42	
5.20 19.31											
	680	1.14	0.33	-27.76	-26.04	-1.38	-6.73	30.96	-14.37	15.41	
1.18 21.52											
716 189	763	2.24	-2.08	-40.12	-39.91	-2.29	-2.80	145.04	-26.12	114.85	
4.0765.24											
	764	1.92	-1.78	-35.08	-34.93	-1.94	2.27	134.00	-18.93	110.36	
4.7055.28											
	681	1.56	-3.72	-27.89	-27.83	-3.77	1.18	118.06	-34.63	80.88	
2.5565.53											
	680	2.00	0.30	-30.37	-28.86	-1.20	-6.62	133.55	-44.45	89.90	-
0.7976.58											
716 216	763	1.84	-2.21	-36.23	-35.98	-2.46	-2.92	100.87	-19.67	83.22	-
2.0142.62											
	764	1.47	-1.95	-30.68	-30.52	-2.11	2.16	84.26	-17.90	67.63	-
1.2737.72											
	681	1.32	-3.93	-25.16	-25.14	-3.96	0.74	92.76	-47.58	49.45	-
4.2764.83											
	680	1.98	0.47	-28.38	-26.52	-1.39	-7.08	130.75	-65.33	68.76	-
3.3491.17											
717 15	764	1.53	-2.22	-39.30	-38.93	-2.60	-3.70	45.38	-21.97	24.04	-
0.6331.34											
	765	1.53	-2.12	-42.15	-41.85	-2.42	3.46	40.81	-15.14	26.19	-
0.5324.58											
	682	1.71	-3.39	-45.38	-41.94	-6.83	11.51	62.60	-28.92	17.89	
15.7945.75											
	681	1.64	-4.56	-38.95	-37.99	-5.52	-5.65	76.95	-45.79	17.94	
13.22 61.33											
717 95	764	2.66	-2.40	-38.96	-38.26	-3.09	-4.99	32.33	-200.57	-173.95	
5.71-74.09											
	765	2.53	-2.79	-39.57	-39.44	-2.92	2.18	28.33	-194.29	-173.44	
7.47-64.87											
	682	1.93	-4.56	-35.21	-32.56	-7.21	8.62	45.80	-149.88	-130.19	
26.12-58.86											
	681	2.19	-3.40	-32.97	-30.36	-6.01	-8.40	43.23	-149.23	-128.26	
22.26-59.96											
717 152	764	1.89	-1.83	-29.98	-29.49	-2.33	-3.71	20.93	-131.95	-114.81	
3.79-48.23											
	765	1.80	-2.08	-30.47	-30.35	-2.20	1.81	18.57	-128.02	-114.42	
4.97-42.53											
	682	1.39	-3.42	-27.28	-25.21	-5.50	6.73	30.73	-98.62	-86.31	
18.41-37.96											
	681	1.55	-2.65	-25.47	-23.54	-4.57	-6.35	28.00	-97.26	-84.83	
15.57-37.45											
717 158	764	1.11	-1.74	-32.04	-31.77	-2.00	-2.84	13.40	-5.54	8.02	-
0.178.53											
	765	1.11	-1.65	-32.75	-32.52	-1.88	2.67	10.80	-2.60	8.30	-
0.105.22											
	682	0.99	-2.83	-29.30	-26.98	-5.16	7.49	14.64	-4.35	2.82	
7.48 9.21											
	681	0.96	-2.87	-26.77	-25.40	-4.24	-5.56	23.56	-13.73	4.40	
5.43 18.64											
717 164	764	1.06	-1.72	-30.13	-29.84	-2.01	-2.85	14.04	-5.53	8.68	-
0.178.72											
	765	1.05	-1.63	-30.71	-30.47	-1.88	2.66	11.55	-2.62	9.04	-
0.115.41											
	682	0.96	-2.81	-28.59	-26.25	-5.15	7.40	15.35	-4.22	3.64	
7.49 9.60											
	681	0.95	-2.79	-26.17	-24.73	-4.23	-5.62	24.20	-13.62	5.11	
5.47 18.91											
717 189	764	1.81	-1.54	-33.68	-33.43	-1.79	-2.80	107.28	-21.69	87.13	-
1.5446.82											
	765	1.72	-1.43	-34.31	-34.08	-1.66	2.71	101.83	-16.48	87.45	-

2.1038.66											
	682	1.28	-2.79	-30.82	-28.67	-4.93	7.45	83.10	-20.35	60.76	
1.9942.57											
	681	1.59	-2.74	-28.41	-27.13	-4.01	-5.58	95.97	-33.27	62.27	
0.4356.74											
717 216	764	1.50	-1.71	-30.10	-29.81	-2.01	-2.86	78.07	-12.91	66.51	-
1.3530.30											
	765	1.36	-1.63	-30.26	-30.01	-1.88	2.65	66.34	-10.13	57.23	-
1.0224.76											
	682	1.06	-2.99	-28.24	-26.08	-5.15	7.07	59.16	-27.37	37.92	-
6.1437.23											
	681	1.57	-2.64	-26.47	-24.87	-4.23	-5.96	94.43	-50.56	47.94	-
4.0767.67											
718 7	765	1.70	-2.25	-49.32	-49.11	-2.45	-3.09	15.35	-3.42	12.05	-
0.127.14											
	766	2.22	-2.60	-62.76	-62.46	-2.90	4.18	26.30	-0.73	26.07	-
0.502.46											
	683	1.87	1.67	-52.22	-46.31	-4.25	16.85	22.12	9.05	22.12	
9.05-0.07											
	682	1.22	-6.62	-38.87	-38.77	-6.72	1.79	19.87	-4.87	4.64	
10.3612.03											
718 95	765	2.38	-2.41	-39.95	-39.43	-2.92	-4.36	32.12	-152.64	-133.72	
13.20-56.01											
	766	2.59	-3.19	-52.55	-52.38	-3.36	2.91	35.02	-142.84	-120.26	
12.44-59.21											
	683	1.91	1.01	-45.48	-39.74	-4.72	15.29	56.41	-109.60	-82.84	
29.65-61.05											
	682	1.82	-7.16	-32.44	-32.44	-7.16	0.26	48.82	-117.04	-99.65	
31.43-50.81											
718 152	765	1.70	-1.83	-30.74	-30.37	-2.20	-3.23	21.10	-100.23	-87.91	
8.79-36.64											
	766	1.87	-2.39	-40.43	-40.29	-2.54	2.37	23.46	-92.82	-77.60	
8.24-39.22											
	683	1.40	0.86	-35.18	-30.74	-3.58	11.86	38.66	-71.05	-53.03	
20.64-40.66											
	682	1.31	-5.46	-25.15	-25.14	-5.46	0.30	32.76	-76.73	-65.91	
21.94-32.68											
718 159	765	1.14	-1.69	-31.54	-31.35	-1.88	-2.41	20.16	-6.36	14.02	-
0.2211.19											
	766	1.52	-1.96	-42.09	-41.84	-2.21	3.20	25.58	-2.30	23.76	-
0.486.89											
	683	1.39	1.45	-40.01	-35.20	-3.36	13.28	26.03	3.03	20.17	
8.8910.02											
	682	0.94	-5.08	-29.10	-28.99	-5.18	1.58	28.94	-11.22	8.29	
9.4320.07											
718 164	765	1.07	-1.69	-30.82	-30.62	-1.89	-2.40	11.64	-2.49	9.24	-
0.095.31											
	766	1.44	-1.96	-40.52	-40.25	-2.23	3.19	19.49	-0.55	19.31	-
0.361.93											
	683	1.31	1.41	-36.50	-31.81	-3.28	12.48	16.49	6.53	16.47	
6.54 0.33											
	682	0.82	-5.09	-26.41	-26.37	-5.13	0.95	14.81	-3.45	3.95	
7.41 8.97											
718 189	765	1.67	-1.50	-33.70	-33.51	-1.68	-2.45	84.46	-18.83	70.19	-
4.5635.63											
	766	1.97	-1.78	-43.41	-43.17	-2.02	3.15	91.16	-15.52	80.33	-
4.7032.22											
	683	1.53	1.33	-38.20	-33.80	-3.07	12.44	72.85	-13.48	60.40	-
1.0230.33											
	682	1.26	-4.89	-28.37	-28.33	-4.92	0.91	69.60	-22.11	47.79	-
0.3039.05											
718 200	765	1.41	-1.72	-36.01	-35.84	-1.90	-2.43	37.25	-5.01	32.74	-
0.5013.05											
	766	1.71	-2.00	-44.65	-44.41	-2.23	3.17	40.51	-2.49	38.92	-
0.908.13											
	683	1.42	0.57	-38.72	-34.89	-3.26	11.65	34.16	1.60	31.24	
4.51 9.30											
	682	1.10	-5.10	-30.20	-30.20	-5.10	0.18	41.57	-12.64	22.15	
6.7825.99											

719	7	766	2.24	-2.74	-62.98	-62.83	-2.89	-2.98	27.98	-0.57	27.79	-0.392.30
		767	2.98	-3.25	-81.79	-81.56	-3.49	4.28	44.98	-0.88	44.98	-0.87-0.30
		684	2.39	3.37	-61.35	-57.81	-0.17	14.72	47.49	5.31	47.24	5.56-3.27
		683	1.72	-2.43	-48.54	-47.26	-3.71	7.58	24.67	8.55	24.66	8.56-0.48
719	51	766	2.35	-3.05	-68.65	-68.64	-3.06	0.94	55.18	-60.31	-1.37	-3.76-57.74
		767	3.17	-2.84	-87.42	-86.62	-3.65	8.21	68.46	-57.53	15.06	-4.14-62.26
		684	2.91	4.59	-68.81	-63.84	-0.39	18.44	78.78	-52.23	24.07	2.49-64.61
		683	2.19	-1.49	-56.28	-53.87	-3.89	11.23	63.58	-56.35	2.42	4.81-59.95
719	128	766	1.76	-2.28	-51.49	-51.48	-2.29	-0.72	27.11	-18.81	9.94	-1.65-22.22
		767	2.37	-2.37	-66.04	-65.66	-2.75	4.87	38.44	-17.47	22.95	-1.98-25.02
		684	2.04	3.07	-50.66	-47.39	-0.21	12.86	44.92	-14.42	27.39	3.11-27.07
		683	1.50	-1.50	-40.88	-39.46	-2.93	7.35	31.98	-16.54	10.27	5.17-24.13
719	159	766	1.55	-2.07	-42.20	-42.06	-2.21	-2.32	26.59	-2.13	24.88	-0.416.81
		767	2.11	-2.46	-57.34	-57.15	-2.66	3.30	37.11	-1.09	36.79	-0.773.48
		684	1.83	2.76	-47.84	-44.81	-0.27	12.01	37.82	6.33	37.04	7.11 4.88
		683	1.30	-1.84	-37.08	-35.96	-2.96	6.18	26.98	3.47	21.84	8.61 9.72
719	164	766	1.46	-2.08	-40.64	-40.50	-2.22	-2.32	20.70	-0.44	20.54	-0.281.83
		767	1.99	-2.46	-54.45	-54.24	-2.67	3.28	32.75	-0.64	32.75	-0.64-0.08
		684	1.69	2.61	-43.10	-40.28	-0.21	10.99	34.46	4.01	34.32	4.14-2.03
		683	1.19	-1.94	-33.49	-32.54	-2.88	5.37	18.30	6.20	18.30	6.20 0.03
719	195	766	1.90	-2.07	-44.07	-44.02	-2.11	-1.37	74.24	-19.17	62.83	-7.76-30.59
		767	2.50	-2.24	-58.05	-57.72	-2.56	4.24	88.50	-20.99	75.12	-7.61-35.87
		684	2.19	3.00	-46.14	-43.04	-0.10	11.95	80.71	-21.75	64.35	-5.39-37.53
		683	1.64	-1.58	-36.54	-35.35	-2.77	6.33	63.54	-19.18	48.25	-3.89-32.11
719	200	766	1.73	-2.09	-44.78	-44.65	-2.22	-2.35	39.94	-1.28	39.16	-0.495.65
		767	2.19	-2.48	-57.28	-57.08	-2.67	3.25	48.39	-1.12	48.26	-0.992.54
		684	1.81	2.10	-44.73	-42.43	-0.20	10.13	45.41	0.70	45.41	0.70-0.04
		683	1.35	-2.24	-36.24	-35.63	-2.86	4.54	35.30	0.65	32.11	3.83 10.01
720	15	767	3.00	-3.41	-80.27	-80.12	-3.56	-3.41	57.41	-3.12	55.47	-1.1810.68
		768	3.34	-3.21	-90.96	-90.83	-3.34	3.46	54.83	-1.55	54.41	-1.134.86
		685	2.84	0.30	-76.77	-75.75	-0.73	8.84	55.38	11.52	52.29	14.61 11.21
		684	2.52	0.43	-66.82	-66.23	-0.16	6.29	61.26	6.76	53.86	14.1718.68
720	59	767	3.48	-3.63	-96.38	-96.38	-3.64	0.73	75.73	-44.64	36.05	-4.95-56.59
		768	3.84	-2.86	-105.29	-104.73	-3.42	7.59	77.78	-47.59	33.54	-3.34-59.91
		685	3.28	0.85	-85.55	-83.97	-0.74	11.60	79.16	-33.94	36.92	

8.30-54.71											
	684	3.01	0.94	-77.46	-76.36	-0.16	9.22	77.84	-31.27	39.97	
6.60-51.94											
720	134	767	2.58	-2.79	-71.57	-71.57	-2.79	0.13	53.51	-28.40	28.50	-
3.38-37.73											
		768	2.84	-2.24	-78.12	-77.73	-2.63	5.40	54.53	-30.50	26.33	-
2.30-40.03											
		685	2.40	0.54	-63.06	-61.96	-0.55	8.28	55.49	-20.66	28.77	
6.06-36.34											
		684	2.21	0.63	-57.04	-56.30	-0.10	6.48	55.38	-19.08	31.37	
4.93-34.80											
720	159	767	2.14	-2.62	-57.95	-57.82	-2.75	-2.65	37.80	-1.07	37.47	-
0.743.55											
		768	2.33	-2.47	-64.00	-63.89	-2.58	2.62	35.05	-0.71	35.01	-
0.671.23											
		685	1.91	0.05	-51.21	-50.66	-0.50	5.26	35.76	6.46	35.11	
7.11 4.30											
		684	1.74	0.22	-45.29	-45.02	-0.05	3.49	38.95	6.02	38.01	
6.97 5.49											
720	164	767	2.02	-2.62	-55.04	-54.91	-2.76	-2.66	33.50	-0.61	33.50	-
0.61-0.02											
		768	2.14	-2.48	-59.44	-59.32	-2.59	2.59	29.80	-0.54	29.78	-
0.52-0.70											
		685	1.70	-0.08	-45.22	-44.85	-0.45	4.09	31.24	3.92	31.21	
3.95 1.00											
		684	1.58	0.16	-40.63	-40.48	0.01	2.47	35.44	3.90	35.39	
3.96 -1.29											
720	195	767	2.50	-2.83	-60.24	-60.19	-2.87	-1.65	89.69	-25.56	72.96	-
8.83-40.60											
		768	2.70	-2.50	-64.75	-64.54	-2.71	3.60	90.41	-28.68	69.38	-
7.66-45.41											
		685	2.18	-0.03	-49.32	-48.79	-0.57	5.10	81.03	-27.22	59.33	-
5.52-43.34											
		684	2.04	0.17	-44.76	-44.49	-0.10	3.48	82.68	-25.85	63.37	-
6.54-41.51											
720	220	767	2.18	-2.61	-53.31	-53.17	-2.75	-2.66	68.04	-1.94	67.53	-
1.43-5.91											
		768	2.36	-2.47	-58.24	-58.12	-2.59	2.60	68.08	-1.28	67.51	-
0.71-6.28											
		685	1.95	-0.03	-44.68	-44.22	-0.48	4.49	60.99	-18.31	56.23	-
13.56-18.84											
		684	1.76	0.17	-39.66	-39.46	-0.03	2.76	57.49	-14.81	57.39	-
14.72-2.59											
721	15	768	3.34	-3.25	-90.89	-90.73	-3.41	-3.72	53.71	-1.60	53.27	-
1.164.91											
		769	3.33	-2.73	-92.82	-92.72	-2.83	2.97	40.96	-0.80	40.92	-
0.75-1.39											
		686	2.80	-3.94	-80.51	-79.84	-4.60	7.09	34.98	16.32	34.93	
16.37 1.00											
		685	2.77	-1.10	-74.82	-74.80	-1.12	-1.17	54.12	11.32	50.75	
14.69 11.52											
721	59	768	4.28	-3.34	-114.19	-114.19	-3.34	0.29	105.90	-28.40	72.55	
4.95-58.02											
		769	4.27	-2.32	-114.36	-113.92	-2.76	6.97	96.62	-35.14	57.54	
3.95-60.18											
		686	3.50	-3.44	-93.96	-92.94	-4.46	9.57	90.49	-28.05	45.91	
16.54-57.42											
		685	3.42	-0.95	-89.68	-89.65	-0.98	1.44	98.31	-17.39	64.93	
15.99-52.43											
721	134	768	3.13	-2.58	-84.02	-84.02	-2.58	-0.19	73.56	-18.15	52.18	
3.23-38.77											
		769	3.10	-1.83	-83.85	-83.55	-2.13	4.94	66.08	-23.19	40.28	
2.61-40.46											
		686	2.53	-2.74	-68.68	-67.99	-3.43	6.70	61.74	-17.74	32.18	
11.81-38.41											
		685	2.49	-0.75	-65.66	-65.65	-0.75	0.48	68.37	-9.92	47.24	
11.21-34.76											
721	159	768	2.32	-2.50	-63.94	-63.80	-2.64	-2.89	34.01	-0.76	33.97	-
0.711.25											

	769	2.22	-2.11	-63.30	-63.22	-2.19	2.24	21.99	-0.51	21.83	-
0.34-1.90											
	686	1.80	-3.19	-52.54	-52.26	-3.48	3.75	18.34	8.80	18.33	
8.80-0.22											
	685	1.86	-0.68	-50.06	-49.94	-0.80	-2.45	34.51	6.45	33.71	
7.25 4.66											
721 164	768	2.13	-2.49	-59.37	-59.22	-2.64	-2.92	28.62	-0.59	28.61	-
0.58-0.68											
	769	1.97	-2.11	-57.11	-57.02	-2.20	2.20	14.88	-0.59	14.45	-
0.17-2.54											
	686	1.52	-3.29	-45.39	-45.25	-3.43	2.45	11.97	5.74	11.81	
5.90-0.98											
	685	1.66	-0.44	-44.44	-44.13	-0.75	-3.64	29.72	4.06	29.64	
4.15 1.45											
721 195	768	2.74	-2.43	-66.53	-66.48	-2.49	-1.91	98.74	-30.84	74.80	-
6.91-50.28											
	769	2.66	-1.87	-64.37	-64.20	-2.04	3.22	92.64	-37.49	60.76	-
5.61-55.97											
	686	2.10	-3.02	-50.73	-50.48	-3.28	3.46	80.47	-37.25	45.07	-
1.86-53.98											
	685	2.11	-0.45	-49.58	-49.44	-0.59	-2.62	87.53	-29.20	62.79	-
4.45-47.71											
721 220	768	2.36	-2.49	-58.18	-58.02	-2.64	-2.91	72.17	-4.58	69.46	-
1.87-14.16											
	769	2.28	-2.10	-56.49	-56.40	-2.19	2.22	66.47	-4.98	62.31	-
0.82-16.72											
	686	1.87	-3.25	-45.24	-45.04	-3.45	2.92	63.62	-25.84	45.71	-
7.93-35.80											
	685	1.86	-0.54	-43.75	-43.51	-0.78	-3.23	60.78	-15.31	57.73	-
12.26-14.93											
722 15	769	3.28	-2.53	-91.77	-91.63	-2.67	-3.61	39.96	-0.86	39.91	-
0.81-1.37											
	770	3.50	-2.20	-99.90	-99.77	-2.33	3.56	32.77	-3.23	30.14	-
0.60-9.37											
	687	3.06	-4.56	-89.70	-86.79	-7.48	15.48	35.91	2.90	20.96	
17.86-16.43											
	686	2.74	-4.93	-79.33	-79.29	-4.97	-1.75	33.37	16.61	33.34	
16.64 0.76											
722 59	769	4.51	-2.53	-120.94	-120.94	-2.53	0.15	106.24	-24.01	74.49	
7.74-55.92											
	770	4.71	-1.75	-127.10	-126.67	-2.18	7.31	99.30	-29.80	62.76	
6.74-58.16											
	687	3.99	-4.18	-107.10	-104.00	-7.29	17.60	96.69	-33.62	43.22	
19.85-64.10											
	686	3.59	-4.76	-98.32	-98.32	-4.76	0.48	95.54	-17.94	57.95	
19.65-53.41											
722 134	769	3.26	-1.96	-88.11	-88.11	-1.96	-0.28	72.47	-15.89	51.45	
5.13-37.62											
	770	3.40	-1.39	-92.52	-92.22	-1.69	5.23	67.19	-20.51	42.18	
4.50-39.60											
	687	2.87	-3.32	-77.98	-75.68	-5.61	12.89	65.99	-23.39	28.37	
14.23-44.12											
	686	2.58	-3.67	-71.53	-71.53	-3.67	-0.26	65.02	-11.09	40.00	
13.93-35.75											
722 159	769	2.19	-1.93	-62.49	-62.36	-2.07	-2.82	21.07	-0.58	20.90	-
0.41-1.91											
	770	2.27	-1.69	-66.40	-66.29	-1.80	2.68	14.50	-3.19	11.51	-
0.19-6.64											
	687	1.92	-3.77	-57.87	-55.93	-5.71	10.07	19.31	-4.02	5.09	
10.21-11.38											
	686	1.76	-3.57	-52.04	-51.85	-3.76	-3.06	16.93	9.04	16.91	
9.06-0.38											
722 164	769	1.93	-1.92	-56.29	-56.14	-2.07	-2.86	13.86	-0.71	13.40	-
0.25-2.56											
	770	1.94	-1.68	-58.42	-58.29	-1.80	2.64	7.62	-5.04	2.57	
0.01-6.20											
	687	1.59	-3.96	-49.37	-47.65	-5.68	8.66	13.82	-9.66	-3.35	
7.51-10.41											
	686	1.51	-3.26	-45.32	-44.86	-3.71	-4.37	10.52	5.92	10.24	

6.20 -1.11											
722 195	769	2.66	-1.72	-65.23	-65.09	-1.85	-2.92	102.17	-39.53	67.57	-
4.94-60.87											
	770	2.77	-1.48	-67.28	-67.18	-1.58	2.58	101.76	-48.52	56.88	-
3.64-68.78											
	687	2.37	-3.98	-55.55	-54.08	-5.46	8.60	93.62	-55.57	36.43	
1.62-72.54											
	686	2.04	-3.08	-51.75	-51.34	-3.49	-4.43	88.75	-39.57	49.89	-
0.70-58.96											
722 219	769	2.19	-1.94	-59.96	-59.82	-2.08	-2.86	8.69	-42.35	-34.33	
0.6718.57											
	770	2.43	-1.69	-62.22	-62.10	-1.81	2.64	6.04	-59.40	-54.57	
1.21 17.10											
	687	2.18	-4.02	-52.00	-50.35	-5.67	8.75	37.70	-66.27	-45.58	
17.00 41.51											
	686	1.75	-3.29	-47.86	-47.46	-3.70	-4.25	35.02	-38.78	-23.64	
19.8829.80											
723 15	770	3.49	-2.21	-99.69	-99.59	-2.30	-3.00	32.77	-3.27	30.10	-
0.60-9.44											
	771	4.27	-2.31	-122.56	-122.41	-2.47	4.33	38.61	-8.43	31.07	-
0.89-17.26											
	688	3.88	0.45	-107.69	-100.97	-6.27	26.11	55.64	-15.16	24.11	
16.37-35.19											
	687	2.92	-6.94	-87.27	-86.64	-7.57	7.08	36.71	2.05	20.75	
18.02-17.28											
723 59	770	4.98	-2.15	-133.97	-133.97	-2.16	0.53	109.66	-16.50	82.41	
10.75-51.92											
	771	5.73	-1.92	-154.67	-154.27	-2.33	7.86	111.00	-17.93	83.72	
9.36-52.66											
	688	4.94	0.29	-128.24	-121.85	-6.10	27.93	113.04	-31.00	61.76	
20.27-68.97											
	687	4.03	-6.61	-110.17	-109.38	-7.39	8.98	101.79	-20.65	58.16	
22.97-58.64											
723 134	770	3.58	-1.67	-97.06	-97.06	-1.67	0.03	74.05	-11.62	55.26	
7.16-35.45											
	771	4.14	-1.51	-112.64	-112.35	-1.81	5.67	75.54	-12.95	56.37	
6.22-36.45											
	688	3.58	0.19	-93.53	-88.63	-4.70	20.85	78.43	-22.91	41.14	
14.37-48.87											
	687	2.88	-5.16	-79.80	-79.26	-5.70	6.28	69.33	-14.72	38.28	
16.33-40.57											
723 159	770	2.25	-1.69	-66.22	-66.13	-1.77	-2.36	14.45	-3.26	11.38	-
0.20-6.70											
	771	2.78	-1.77	-81.34	-81.21	-1.90	3.28	19.39	-7.05	12.73	-
0.38-11.48											
	688	2.50	0.25	-70.15	-65.10	-4.80	18.17	32.52	-15.52	7.91	
9.09-24.01											
	687	1.81	-5.53	-56.10	-55.84	-5.79	3.61	19.90	-4.76	4.83	
10.32-12.02											
723 164	770	1.93	-1.68	-58.22	-58.12	-1.78	-2.40	7.58	-5.20	2.37	3.26e-
03-6.28											
	771	2.39	-1.76	-71.45	-71.30	-1.91	3.23	12.35	-8.32	4.18	-
0.16-10.11											
	688	2.14	0.22	-60.50	-55.49	-4.78	16.70	25.02	-18.83	-0.22	
6.42-21.67											
	687	1.54	-5.65	-47.69	-47.57	-5.76	2.21	14.37	-10.45	-3.69	
7.61-11.05											
723 179	770	2.83	-1.64	-76.69	-76.67	-1.66	-1.17	70.56	-21.03	43.88	
5.65-41.61											
	771	3.34	-1.56	-89.98	-89.76	-1.79	4.46	74.45	-24.06	45.67	
4.71-44.79											
	688	2.94	-7.08e-03	-73.77	-69.11	-4.66	17.93	76.57	-37.81	30.88	
7.88-56.02											
	687	2.24	-5.43	-61.51	-61.29	-5.64	3.44	65.18	-28.74	27.43	
9.01-46.05											
723 220	770	2.33	-1.67	-58.24	-58.14	-1.78	-2.39	78.09	-18.77	60.51	-
1.19-37.33											
	771	2.95	-1.76	-72.14	-71.99	-1.90	3.24	93.94	-22.97	72.85	-
1.88-44.96											

	688	3.00	0.44	-61.53	-56.28	-4.80	17.25	126.00	-71.01	52.66	2.34-95.24
	687	1.97	-5.60	-48.02	-47.84	-5.77	2.71	82.76	-44.94	39.38	-1.57-60.48
724 15	771	4.29	-2.60	-123.55	-123.51	-2.64	-2.20	39.87	-8.22	32.42	-0.77-17.40
	772	5.43	-3.02	-156.59	-156.45	-3.15	4.54	45.34	-11.86	34.93	-1.45-22.06
	689	4.70	4.63	-126.65	-119.95	-2.07	28.89	69.57	-23.38	35.01	11.18-44.92
	688	3.69	-2.80	-104.39	-101.29	-5.90	17.47	57.32	-15.08	25.96	16.28-35.87
724 59	771	6.05	-2.73	-162.42	-162.42	-2.74	1.25	122.47	-5.85	103.53	13.09-45.51
	772	7.13	-2.91	-193.11	-192.78	-3.25	8.00	125.99	-5.50	109.34	11.16-43.74
	689	5.89	4.17	-150.57	-144.27	-2.13	30.58	128.08	-20.29	90.88	16.92-64.31
	688	4.96	-3.01	-130.48	-127.51	-5.98	19.23	119.04	-17.46	78.62	22.96-62.31
724 134	771	4.35	-2.09	-117.90	-117.89	-2.10	0.60	83.20	-4.77	69.71	8.71-31.70
	772	5.18	-2.25	-141.15	-140.91	-2.49	5.78	86.67	-4.55	74.75	7.37-30.75
	689	4.28	3.21	-109.94	-105.11	-1.63	22.88	89.97	-15.75	62.56	11.66-46.34
	688	3.57	-2.36	-94.67	-92.44	-4.59	14.16	82.43	-13.73	52.57	16.13-44.49
724 159	771	2.79	-2.00	-82.07	-82.04	-2.03	-1.75	20.25	-6.82	13.73	-0.30-11.58
	772	3.60	-2.31	-104.93	-104.81	-2.43	3.44	26.76	-8.02	19.53	-0.79-14.11
	689	3.08	3.48	-82.94	-77.91	-1.56	20.24	43.28	-17.87	20.06	5.36-29.68
	688	2.34	-2.41	-67.48	-65.37	-4.52	11.53	33.64	-15.36	9.33	8.95-24.50
724 164	771	2.41	-1.99	-72.16	-72.12	-2.04	-1.79	13.07	-7.98	5.16	-0.07-10.19
	772	3.17	-2.31	-93.06	-92.93	-2.44	3.40	20.63	-7.25	13.91	-0.54-11.92
	689	2.68	3.45	-71.91	-66.92	-1.53	18.73	35.47	-17.79	14.80	2.88-25.95
	688	1.97	-2.60	-57.68	-55.78	-4.51	10.07	25.98	-18.56	1.20	6.21-22.13
724 179	771	3.46	-2.02	-93.44	-93.43	-2.02	-0.61	81.42	-19.49	55.43	6.50-44.12
	772	4.25	-2.23	-114.34	-114.15	-2.42	4.58	88.95	-19.33	64.16	5.45-45.49
	689	3.57	3.11	-87.23	-82.61	-1.51	19.91	93.67	-33.34	53.19	7.14-59.19
	688	2.86	-2.65	-73.39	-71.55	-4.49	11.26	81.98	-33.61	39.60	8.77-55.70
724 220	771	2.94	-1.99	-72.85	-72.81	-2.03	-1.78	101.32	-28.49	74.54	-1.71-52.52
	772	3.81	-2.30	-94.49	-94.36	-2.43	3.41	117.90	-31.90	88.95	-2.95-59.15
	689	3.73	3.64	-73.50	-68.29	-1.57	19.35	166.44	-88.59	74.46	3.39-122.46
	688	2.75	-2.45	-58.64	-56.56	-4.53	10.62	124.63	-67.75	54.63	2.24-92.56
725 15	772	5.46	-3.31	-157.86	-157.83	-3.33	-1.94	47.23	-11.55	36.92	-1.24-22.35
	773	6.32	-3.65	-187.36	-187.27	-3.74	4.05	31.09	-15.74	17.35	-2.00-21.32
	690	5.03	4.39	-139.87	-136.57	1.10	21.56	56.24	-28.06	25.76	2.42-40.50
	689	4.51	1.46	-123.49	-120.33	-1.70	19.61	71.24	-22.71	37.39	11.14-45.11
725 81	772	7.34	-3.09	-168.75	-168.74	-3.09	0.83	65.18	-332.78	-237.58	-

30.01169.77											
	773	8.45	-3.26	-195.65	-195.41	-3.50	6.80	82.06	-365.51	-250.47	-
32.98195.58											
	690	6.70	4.97	-141.95	-138.47	1.48	22.37	93.67	-298.20	-185.29	-
19.24177.48											
	689	6.02	1.95	-127.58	-124.21	-1.42	20.62	75.44	-264.92	-179.50	-
9.99147.57											
725	145	772	5.27	-2.40	-125.03	-125.03	-2.40	0.34	42.53	-218.95	-156.35	-
20.07111.58											
	773	6.09	-2.55	-145.35	-145.18	-2.72	4.93	53.89	-241.08	-165.09	-
22.10129.00											
	690	4.78	3.73	-105.09	-102.50	1.13	16.61	60.60	-194.48	-120.87	-
13.01115.57											
	689	4.29	1.40	-94.28	-91.77	-1.11	15.29	48.13	-171.89	-117.46	-
6.2994.93											
725	159	772	3.63	-2.55	-105.91	-105.88	-2.58	-1.54	28.06	-7.74	20.96	-
0.65-14.27											
	773	4.25	-2.82	-125.85	-125.77	-2.89	3.05	21.35	-8.70	13.81	-
1.16-13.02											
	690	3.31	3.24	-91.07	-88.81	0.99	14.40	37.00	-17.10	19.87	
0.03-25.16											
	689	2.93	0.90	-80.39	-78.22	-1.28	13.12	44.37	-17.28	21.83	
5.26-29.69											
725	164	772	3.19	-2.56	-94.04	-94.01	-2.58	-1.58	21.80	-6.93	15.28	-
0.42-12.03											
	773	3.79	-2.82	-111.88	-111.79	-2.91	3.00	19.52	-6.22	14.17	-
0.87-10.44											
	690	2.87	3.14	-78.43	-76.39	1.10	12.74	32.45	-13.90	19.92	-
1.37-20.58											
	689	2.52	0.73	-69.23	-67.25	-1.26	11.61	36.39	-17.13	16.53	
2.73-25.86											
725	179	772	4.36	-2.64	-118.16	-118.16	-2.64	-0.33	93.31	-18.11	68.67	
6.52-46.24											
	773	4.97	-2.83	-135.98	-135.85	-2.97	4.25	92.56	-19.00	67.63	
5.93-46.48											
	690	3.84	3.05	-96.17	-94.15	1.04	13.99	95.97	-30.79	61.85	
3.33-56.22											
	689	3.49	0.61	-87.03	-85.10	-1.32	12.87	97.90	-31.52	58.39	
7.99-59.60											
725	220	772	3.82	-2.55	-95.46	-95.43	-2.57	-1.57	126.41	-37.38	91.67	-
2.64-66.96											
	773	4.41	-2.81	-114.21	-114.12	-2.89	3.01	118.92	-43.64	79.52	-
4.24-69.66											
	690	3.92	3.25	-80.69	-78.45	1.01	13.53	180.29	-106.24	73.26	
0.79-138.61											
	689	3.47	0.86	-70.77	-68.62	-1.30	12.24	165.37	-84.62	77.35	
3.41-119.40											
726	15	773	6.33	-3.65	-187.71	-187.68	-3.69	-2.41	33.39	-15.19	19.08	-
0.88-22.15											
	774	7.05	-3.77	-204.11	-204.05	-3.83	3.50	0.45	-51.57	-47.98	-
3.14-13.18											
	691	5.03	1.03	-146.15	-145.33	0.21	10.96	2.35	-43.56	-30.67	-
10.54-20.63											
	690	4.89	2.20	-137.74	-136.74	1.20	11.79	56.61	-27.52	27.34	
1.74-40.07											
726	37	773	8.31	-4.23	-237.83	-237.79	-4.27	3.10	9.31	-95.18	-72.82	-
13.05-42.85											
	774	9.11	-4.09	-251.01	-250.69	-4.41	8.92	-11.61	-129.39	-126.51	-
14.4918.19											
	691	6.54	1.24	-178.22	-177.15	0.17	13.81	-15.90	-95.97	-94.03	-
17.8412.31											
	690	5.99	2.17	-171.98	-170.61	0.80	15.39	33.44	-89.32	-47.21	-
8.67-58.28											
726	123	773	6.02	-3.21	-173.51	-173.49	-3.23	1.81	7.80	-63.11	-46.55	-
8.76-30.00											
	774	6.60	-3.13	-183.15	-182.93	-3.35	6.27	-8.17	-87.47	-85.81	-
9.8311.34											
	691	4.72	0.98	-129.42	-128.71	0.26	9.64	-11.69	-64.00	-63.02	-
12.677.09											

	690	4.32	1.65	-124.90	-123.94	0.69	10.96	25.69	-60.41	-28.71	-
6.00-41.53											
726 159	773	4.26	-2.85	-126.20	-126.17	-2.88	-1.91	22.67	-8.35	14.84	-
0.53-13.47											
	774	4.60	-2.95	-135.23	-135.19	-3.00	2.54	0.82	-24.83	-22.24	-
1.76-7.73											
	691	3.19	1.02	-93.85	-93.53	0.70	5.47	2.63	-21.11	-11.65	-
6.83-11.62											
	690	3.20	1.60	-89.48	-88.95	1.07	6.93	37.15	-16.67	20.85	-
0.37-24.73											
726 164	773	3.80	-2.88	-112.29	-112.25	-2.92	-1.95	20.49	-5.94	14.97	-
0.41-10.75											
	774	3.97	-2.98	-118.58	-118.53	-3.03	2.42	1.50	-13.78	-11.02	-
1.27-5.88											
	691	2.69	1.24	-79.69	-79.56	1.12	3.21	4.36	-12.72	-2.51	-
5.85-8.38											
	690	2.77	1.55	-76.90	-76.54	1.19	5.29	32.50	-13.46	20.71	-
1.67-20.07											
726 168	773	4.95	-3.10	-141.83	-141.83	-3.10	0.51	-5.75	-45.46	-43.86	-
7.357.80											
	774	5.36	-3.05	-148.18	-148.02	-3.22	4.88	6.72	-85.24	-69.95	-
8.5734.24											
	691	3.75	1.25	-101.14	-100.82	0.93	5.67	6.06	-68.59	-51.37	-
11.1631.45											
	690	3.47	1.61	-98.49	-97.89	1.00	7.75	-6.51	-28.19	-28.05	-
6.64-1.73											
726 207	773	4.09	-2.87	-122.82	-122.79	-2.90	-1.93	5.99	-12.02	-6.45	
0.41 8.33											
	774	4.47	-2.97	-130.64	-130.59	-3.02	2.47	6.32	-29.30	-22.84	-
0.1513.73											
	691	3.09	1.15	-88.77	-88.54	0.92	4.49	21.52	-39.00	-12.23	-
5.2530.06											
	690	2.87	1.59	-85.00	-84.55	1.13	6.27	13.68	-12.34	3.36	-
2.0212.73											
727 15	774	7.01	-2.70	-201.88	-201.81	-2.77	-3.62	11.19	-50.55	-45.12	
5.76-17.49											
	775	8.30	-4.19	-216.10	-215.89	-4.40	6.72	-14.12	-181.35	-180.98	-
14.497.87											
	692	5.55	-7.18	-142.32	-141.68	-7.82	9.32	-24.00	-149.40	-148.24	-
25.1612.02											
	691	5.03	-1.05	-146.18	-146.16	-1.06	1.34	-4.33	-43.56	-33.06	-
14.83-17.37											
727 37	774	9.53	-4.79	-264.62	-264.52	-4.88	5.00	-4.39	-124.40	-120.76	-
8.0320.56											
	775	10.57	-5.45	-272.64	-271.85	-6.24	14.51	7.84	-238.04	-229.26	-
0.9445.63											
	692	7.13	-7.19	-178.50	-177.48	-8.21	13.18	3.71	-200.67	-187.73	-
9.2349.77											
	691	6.66	-1.96	-183.60	-183.31	-2.25	7.27	-16.72	-99.53	-93.94	-
22.3120.78											
727 123	774	6.88	-3.54	-192.06	-192.01	-3.59	2.96	-2.99	-83.96	-81.91	-
5.0412.69											
	775	7.61	-4.06	-197.18	-196.64	-4.60	10.14	4.31	-167.37	-161.67	-
1.3930.77											
	692	5.11	-5.30	-128.79	-128.20	-5.89	8.52	1.12	-141.09	-132.52	-
7.4533.84											
	691	4.79	-1.29	-133.00	-132.86	-1.43	4.29	-12.55	-66.50	-63.18	-
15.8812.97											
727 159	774	4.58	-2.29	-133.91	-133.85	-2.35	-2.81	6.94	-24.70	-21.01	
3.25-10.15											
	775	5.16	-3.18	-137.58	-137.44	-3.31	4.23	-7.89	-98.04	-97.86	-
8.084.11											
	692	3.40	-4.31	-89.25	-89.21	-4.36	1.96	-13.21	-81.42	-80.73	-
13.906.81											
	691	3.20	7.48e-03	-94.04	-94.00	-0.03	-1.93	-1.50	-21.07	-13.38	-
9.19-9.56											
727 164	774	3.96	-2.45	-117.55	-117.49	-2.52	-2.83	5.89	-14.08	-10.54	
2.36-7.62											
	775	4.23	-3.14	-115.67	-115.56	-3.25	3.52	-5.62	-66.34	-66.23	-
5.732.63											

	692	2.76	-3.03	-74.14	-74.09	-3.09	-2.03	-9.20	-55.80	-55.27	-
9.734.96											
	691	2.69	0.78	-80.12	-79.90	0.57	-4.19	1.03	-12.69	-4.16	-
7.50-6.65											
727 171	774	5.42	-3.31	-151.93	-151.93	-3.32	0.31	1.37	-72.37	-63.75	-
7.25-23.69											
	775	5.72	-3.74	-150.26	-149.96	-4.05	6.66	1.02	-118.44	-117.55	
0.13-10.27											
	692	3.80	-3.88	-96.65	-96.63	-3.89	1.11	-3.04	-97.50	-97.17	-
3.38-5.63											
	691	3.69	-0.22	-102.51	-102.50	-0.23	-1.06	-5.21	-57.96	-47.93	-
15.25-20.71											
727 220	774	4.15	-2.38	-121.04	-120.97	-2.45	-2.82	91.08	-78.81	12.03	
0.23-84.74											
	775	5.18	-3.15	-121.53	-121.41	-3.27	3.77	2.75	-201.98	-183.23	-
16.00-59.06											
	692	3.68	-3.57	-77.79	-77.79	-3.57	-0.23	38.02	-217.13	-148.31	-
30.81-113.24											
	691	3.20	0.45	-82.96	-82.85	0.33	-3.08	136.03	-133.45	13.47	-
10.89-134.19											
728 15	775	8.16	12.20	-200.84	-199.72	11.08	-15.42	60.58	-155.01	-152.92	
58.49-21.12											
	776	13.28	-22.25	-326.22	-311.84	-36.63	64.54	-98.35	-457.38	-435.43	-
120.3086.02											
	693	3.49	-36.52	-56.43	-55.52	-37.43	4.16	-29.40	-314.86	-302.10	-
42.1558.97											
	692	6.18	-20.25	-163.26	-161.34	-22.18	16.49	-46.05	-176.73	-172.55	-
50.2222.98											
728 57	775	11.19	5.84	-271.19	-271.11	5.77	-4.54	44.09	-284.60	-284.44	
43.92 7.35											
	776	16.56	-26.06	-400.10	-384.22	-41.94	75.42	-126.11	-604.29	-571.48	-
158.92120.89											
	693	5.17	-37.76	-88.10	-83.11	-42.75	15.04	-55.49	-428.74	-408.62	-
75.6184.29											
	692	7.81	-22.96	-192.49	-187.95	-27.50	27.37	-50.35	-282.85	-274.39	-
58.8143.55											
728 133	775	8.01	4.48	-195.20	-195.11	4.39	-4.17	32.64	-197.34	-197.28	
32.59 3.67											
	776	11.82	-18.89	-286.96	-275.52	-30.34	54.19	-89.56	-424.83	-401.75	-
112.6484.88											
	693	3.63	-28.20	-62.21	-59.43	-30.98	9.33	-39.01	-301.37	-287.86	-
52.5257.99											
	692	5.59	-16.89	-139.04	-136.33	-19.60	18.00	-35.90	-197.66	-191.73	-
41.8230.39											
728 159	775	5.09	6.78	-128.38	-127.64	6.03	-10.01	34.81	-84.78	-83.52	
33.54-12.24											
	776	7.74	-13.87	-194.73	-186.29	-22.31	38.15	-56.10	-245.80	-233.39	-
68.5246.91											
	693	2.01	-22.84	-35.79	-35.59	-23.04	-1.59	-18.03	-171.36	-166.34	-
23.0527.29											
	692	3.74	-12.58	-100.90	-100.68	-12.81	4.43	-25.27	-97.53	-94.94	-
27.8513.43											
728 164	775	4.18	4.78	-108.41	-107.76	4.13	-8.59	25.80	-58.44	-57.43	
24.79-9.18											
	776	5.85	-11.38	-151.75	-145.32	-17.82	29.36	-41.11	-164.76	-155.73	-
50.1532.18											
	693	1.55	-16.61	-32.19	-30.15	-18.64	-5.25	-14.09	-117.62	-115.84	-
15.8813.47											
	692	3.00	-9.51	-82.82	-82.77	-9.55	-1.88	-17.48	-68.18	-66.04	-
19.6110.17											
728 179	775	6.75	0.48	-156.98	-156.97	0.47	-1.07	4.29	-225.24	-224.70	
3.75-11.19											
	776	8.53	-13.98	-202.71	-195.20	-21.48	36.87	-78.77	-334.59	-326.03	-
87.3245.99											
	693	2.90	-22.11	-49.41	-49.22	-22.30	2.26	-42.49	-244.09	-241.89	-
44.7020.99											
	692	4.36	-12.85	-101.52	-101.16	-13.21	5.63	-31.70	-189.00	-188.95	-
31.762.92											
728 220	775	5.19	5.46	-113.61	-112.92	4.77	-9.03	70.80	-185.66	-146.89	

32.03-91.87											
	776	9.13	-12.16	-165.29	-158.20	-19.25	32.18	-87.96	-625.28	-624.25	-
88.9923.52											
	693	3.55	-19.52	-32.11	-31.22	-20.42	-3.23	-86.11	-443.23	-442.13	-
87.20-19.71											
	692	3.90	-10.53	-87.41	-87.41	-10.54	0.64	21.60	-224.78	-160.71	-
42.48-108.08											
729 15	776	7.02	-10.01	-167.78	-164.67	-13.12	21.95	211.92	-138.97	196.96	-
124.0070.91											
	777	2.78	12.62	-69.47	-53.36	-3.49	32.60	-11.70	-68.83	-21.86	-
58.67-21.84											
	694	2.64	11.73	-63.72	-51.98	-0.02	-27.36	21.44	-48.42	-7.29	-
19.6934.38											
	693	5.39	-3.20	-132.36	-102.84	-32.71	-54.23	173.30	39.52	133.81	
79.0161.02											
729 79	776	8.48	-11.20	-182.88	-179.63	-14.45	23.38	353.21	-135.68	343.76	-
126.2367.31											
	777	3.90	9.99	-83.04	-68.23	-4.82	34.03	135.46	-34.97	130.96	-
30.47-27.34											
	694	3.53	8.38	-70.47	-60.75	-1.34	-25.92	151.83	-6.27	138.45	
7.1144.00											
	693	6.29	-7.33	-138.42	-111.71	-34.04	-52.80	297.52	51.63	273.54	
75.6172.95											
729 144	776	6.11	-8.31	-132.50	-130.24	-10.57	16.60	250.11	-99.60	243.17	-
92.6648.78											
	777	2.77	6.88	-59.52	-48.66	-3.98	24.56	87.98	-32.44	84.29	-
28.75-20.75											
	694	2.50	6.09	-51.21	-43.67	-1.45	-19.37	101.25	-4.68	92.08	
4.4929.78											
	693	4.56	-4.55	-101.79	-81.40	-24.94	-39.59	209.11	39.56	192.92	
55.7549.82											
729 159	776	4.28	-6.87	-100.92	-99.47	-8.33	11.62	132.81	-85.17	125.11	-
77.4740.24											
	777	1.66	5.26	-40.96	-31.28	-4.41	18.81	-12.53	-63.00	-20.10	-
55.43-18.02											
	694	1.55	6.36	-39.52	-30.80	-2.36	-18.00	8.04	-19.04	-3.36	-
7.6513.37											
	693	3.39	0.53	-84.71	-63.70	-20.47	-36.73	101.71	36.80	89.48	
49.0325.38											
729 164	776	3.42	-6.19	-79.46	-78.67	-6.98	7.59	109.87	-68.71	104.92	-
63.7729.29											
	777	1.29	1.89	-31.45	-23.82	-5.74	14.01	-15.16	-70.76	-22.62	-
63.30-18.95											
	694	1.19	4.53	-32.47	-23.78	-4.15	-15.68	1.60	-5.15	-1.63	-
1.913.37											
	693	2.82	2.89	-71.69	-51.91	-16.89	-32.92	81.13	38.12	79.20	
40.04 8.90											
729 184	776	4.63	-6.98	-94.97	-93.94	-8.01	9.49	214.97	-70.01	211.17	-
66.2132.68											
	777	2.21	-0.23	-45.45	-38.90	-6.77	15.91	90.17	-44.15	88.25	-
42.24-15.94											
	694	1.95	0.49	-38.67	-32.99	-5.18	-13.78	109.47	15.29	106.18	
18.5817.28											
	693	3.58	-1.76	-77.47	-61.31	-17.92	-31.02	186.10	33.45	182.38	
37.1623.52											
729 219	776	4.91	-6.84	-87.79	-86.84	-7.78	8.68	291.81	-60.43	290.78	-
59.4118.95											
	777	1.39	2.81	-36.56	-28.13	-5.62	16.15	-46.92	-67.26	-52.07	-
62.11-8.85											
	694	1.26	4.34	-34.55	-25.84	-4.37	-16.21	11.88	-7.21	-4.41	
9.08 6.76											
	693	3.83	1.87	-74.41	-54.89	-17.65	-33.28	253.73	79.87	247.98	
85.6231.09											
730 15	777	2.49	-1.06	-68.18	-62.02	-7.22	19.38	54.37	-6.23	50.70	-
2.5714.44											
	778	1.05	8.89	-4.98	-0.08	3.99	6.63	79.06	-82.58	-80.74	
77.22-17.17											
	695	2.13	46.05	-16.79	-1.00	30.26	-27.26	-70.95	-116.06	-113.84	-
73.179.76											

	694	2.70	11.25	-64.59	-44.21	-9.14	-33.62	30.94	-31.34	18.19	-
18.5925.13											
730 57	777	2.68	2.50	-75.76	-69.68	-3.57	20.94	50.81	-33.96	23.23	-
6.3839.72											
	778	1.61	11.20	-11.19	-7.63	7.64	8.19	85.82	-106.46	-106.41	
85.77-2.95											
	695	2.26	45.78	-21.70	-9.83	33.91	-25.70	-61.14	-169.10	-161.73	-
68.5027.22											
	694	2.92	10.63	-69.26	-53.14	-5.49	-32.06	25.01	-82.43	-31.60	-
25.8353.64											
730 133	777	1.87	0.81	-54.26	-50.12	-3.32	14.52	33.60	-25.54	17.09	-
9.0326.53											
	778	1.12	8.08	-7.73	-4.94	5.29	6.02	60.57	-74.72	-74.61	
60.46-3.87											
	695	1.61	32.57	-15.38	-6.48	23.67	-18.64	-44.21	-117.02	-111.96	-
49.2818.52											
	694	2.13	7.92	-50.92	-38.18	-4.81	-24.23	16.68	-54.19	-19.98	-
17.5335.41											
730 159	777	1.41	-4.00	-38.68	-36.27	-6.42	8.83	24.29	-21.73	23.73	-
21.175.04											
	778	0.61	6.06	-3.30	0.57	2.18	4.61	41.94	-44.77	-42.51	
39.68-13.82											
	695	1.15	24.45	-9.86	-0.03	14.62	-15.51	-38.34	-56.90	-55.53	-
39.714.85											
	694	1.67	7.94	-42.32	-26.44	-7.94	-23.36	12.97	-9.82	10.65	-
7.506.89											
730 164	777	1.03	-6.26	-28.34	-27.51	-7.08	4.18	12.05	-35.85	12.05	-
35.840.39											
	778	0.50	5.52	-2.96	1.06	1.51	4.24	28.26	-31.18	-27.52	
24.60-14.28											
	695	0.79	16.20	-7.66	0.54	8.00	-11.34	-25.58	-32.50	-31.04	-
27.042.83											
	694	1.38	7.63	-36.92	-20.65	-8.64	-21.45	8.72	-2.93	8.10	-
2.31-2.62											
730 169	777	1.01	-9.07	-22.09	-21.81	-9.35	1.89	45.99	-35.96	40.78	-
30.75-19.99											
	778	0.55	7.16	-1.23	6.68	-0.76	1.94	41.24	-16.94	0.46	
23.83-26.64											
	695	0.96	20.18	-7.12	7.32	5.74	-13.63	16.42	-25.72	13.45	-
22.75-10.79											
	694	1.68	11.43	-36.15	-13.81	-10.90	-23.74	63.42	-4.52	53.32	
5.59-24.18											
730 207	777	1.24	-4.22	-35.15	-32.98	-6.40	7.91	24.12	-22.05	20.91	-
18.8311.75											
	778	0.68	7.08	-3.95	1.41	1.72	5.51	35.89	-50.38	-47.89	
33.40-14.43											
	695	1.01	19.95	-10.16	-2.01	11.81	-13.38	-45.25	-78.59	-78.41	-
45.432.41											
	694	1.62	6.78	-40.23	-25.59	-7.86	-21.77	14.10	-14.06	6.28	-
6.2412.61											
731 15	675	1.98	3.90	-13.20	-5.13	-4.16	8.53	-64.72	-310.15	-300.79	-
74.08-47.00											
	696	2.60	7.40	-22.77	-7.02	-8.35	-15.07	48.75	-236.45	-157.51	-
30.19-127.60											
	779	1.52	2.36	-4.58	-0.38	-1.83	-3.39	26.88	-197.07	-173.05	
2.87-69.30											
	758	2.49	7.06	-2.93	6.61	-2.48	2.08	-9.18	-337.42	-336.04	-
10.56-21.20											
731 88	675	3.47	14.61	-5.05	12.54	-2.97	6.04	454.73	-75.91	370.28	
8.53-194.11											
	696	4.07	17.28	-11.97	10.67	-5.36	-12.23	485.76	-17.59	426.07	
42.11-162.74											
	779	4.81	32.30	-0.93	31.80	-0.44	-4.03	578.46	37.07	542.74	
72.79-134.39											
	758	4.67	36.62	-0.80	36.58	-0.76	1.15	541.63	-7.01	476.86	
57.77-177.04											
731 148	675	2.25	10.56	-6.28	7.60	-3.33	6.41	276.81	-71.75	209.28	-
4.22-137.76											
	696	2.91	13.34	-13.11	5.95	-5.72	-11.87	319.16	-28.66	264.42	

26.09-126.67											
	779	3.16	22.24	-1.38	21.66	-0.79	-3.66	371.73	18.52	341.41	
48.83-98.94											
	758	2.93	26.31	-1.20	26.22	-1.12	1.51	327.05	-13.79	276.18	
37.09-121.46											
731 159	675	1.19	3.56	-10.23	-3.00	-3.68	6.89	-34.65	-171.03	-164.14	-
41.54-29.86											
	696	1.63	6.01	-16.76	-4.32	-6.43	-11.34	32.21	-131.52	-85.86	-
13.44-73.42											
	779	0.84	2.58	-3.40	0.65	-1.47	-2.80	15.57	-106.47	-92.38	
1.48-38.99											
	758	1.43	5.83	-2.36	5.33	-1.86	1.96	-5.00	-183.89	-182.95	-
5.94-12.90											
731 164	675	0.95	4.03	-10.34	-2.27	-4.04	7.13	-22.75	-119.71	-112.73	-
29.73-25.05											
	696	1.35	6.27	-16.21	-3.50	-6.43	-11.14	28.18	-93.01	-58.87	-
5.96-54.51											
	779	0.60	3.20	-3.34	1.37	-1.51	-2.94	11.72	-72.02	-61.23	
0.93-28.05											
	758	1.06	6.14	-2.46	5.51	-1.83	2.24	-3.40	-126.06	-125.19	-
4.27-10.30											
731 193	675	2.43	1.09	-14.27	-8.82	-4.36	7.35	-45.60	-336.33	-334.09	-
47.8425.37											
	696	2.26	2.76	-19.30	-9.79	-6.76	-10.92	-26.41	-285.43	-281.46	-
30.38-31.85											
	779	2.46	-0.97	-10.38	-9.52	-1.83	-2.72	-34.40	-339.38	-339.22	-
34.55-6.88											
	758	2.79	-0.87	-6.87	-5.59	-2.15	2.46	-29.47	-405.92	-401.94	-
33.4538.51											
731 200	675	2.65	2.65	-13.37	-7.06	-3.66	7.83	-84.04	-423.65	-401.73	-
105.96-83.45											
	696	2.97	6.18	-16.86	-4.86	-5.82	-11.51	145.64	-247.07	-83.23	-
18.20-193.65											
	779	1.58	0.73	-4.26	-1.76	-1.77	-2.49	75.32	-167.71	-88.91	-
3.48-113.76											
	758	3.28	5.07	-1.13	5.03	-1.09	0.49	-14.71	-471.49	-467.99	-
18.20-39.82											
732 15	693	4.43	28.07	-42.36	-2.28	-12.02	-34.88	514.43	279.13	410.79	
382.77116.82											
	697	4.06	57.16	-68.17	1.79	-12.80	-62.24	183.46	-78.91	-78.78	
183.34-5.78											
	780	4.10	49.19	-59.31	6.38	-16.50	-53.03	-49.74	-327.14	-313.27	-
63.61-60.46											
	776	3.50	54.83	-27.60	16.09	11.14	-41.14	350.40	61.17	336.74	
74.8461.38											
732 57	693	5.44	43.82	-52.60	1.98	-10.75	-47.78	593.76	284.73	476.55	
401.94149.94											
	697	4.84	72.59	-78.66	5.47	-11.54	-75.15	166.08	-22.15	-20.36	
164.2918.27											
	780	4.54	64.99	-69.43	10.79	-15.24	-65.94	-74.64	-280.90	-269.40	-
86.14-47.33											
	776	4.46	70.99	-37.44	21.15	12.40	-54.04	409.28	68.87	387.48	
90.6783.33											
732 133	693	3.87	30.60	-37.43	1.25	-8.08	-33.70	425.55	209.34	342.50	
292.39105.17											
	697	3.46	52.24	-57.39	3.94	-9.08	-54.43	122.90	-17.84	-17.52	
122.58 6.67											
	780	3.31	46.33	-50.53	7.35	-11.55	-47.50	-47.60	-205.73	-196.75	-
56.58-36.60											
	776	3.14	50.52	-26.19	15.34	8.98	-38.22	291.13	51.87	276.28	
66.7257.73											
732 159	693	2.52	15.27	-24.21	-1.06	-7.88	-19.45	298.18	175.59	242.32	
231.4561.05											
	697	2.62	35.44	-43.76	1.84	-10.16	-39.14	120.53	-46.96	-43.03	
116.60-25.35											
	780	2.55	29.19	-37.81	2.79	-11.41	-32.74	-7.41	-187.51	-177.32	-
17.60-41.61											
	776	1.88	31.82	-14.43	10.65	6.75	-23.04	194.74	45.44	188.58	
51.6029.68											

732	164	693	1.85	10.47	-17.84	-0.53	-6.84	-13.80	223.68	145.58	185.98
183.2739.02											
		697	2.38	28.97	-37.17	2.19	-10.39	-32.47	110.14	-41.81	-29.59
97.92-41.33											
		780	2.10	22.58	-31.83	1.17	-10.42	-26.58	16.25	-138.54	-128.64
6.35-37.87											
		776	1.30	23.93	-9.25	9.32	5.36	-16.47	137.63	44.11	134.71
47.0316.28											
732	168	693	2.36	22.94	-22.72	5.83	-5.61	-22.11	254.42	137.58	202.67
189.3358.04											
		697	2.73	40.99	-42.31	7.83	-9.16	-40.77	86.46	-27.67	-18.12
76.91-31.61											
		780	2.49	35.23	-36.58	7.83	-9.19	-34.88	-7.84	-142.31	-132.05
18.11-35.71											
		776	1.77	36.93	-13.63	16.70	6.59	-24.77	143.83	41.99	136.00
49.8127.13											
732	220	693	2.74	6.63	-24.33	-8.62	-9.07	-15.48	363.51	229.57	345.33
247.7445.87											
		697	2.49	27.65	-41.15	-4.01	-9.50	-34.29	143.68	-29.99	-23.57
137.25-32.77											
		780	2.64	23.20	-38.71	-5.35	-10.16	-30.86	-13.07	-203.57	-192.30
24.34-44.95											
		776	2.69	21.71	-19.28	-1.83	4.26	-20.27	338.98	58.44	334.10
63.3136.67											
733	15	695	2.90	54.07	-26.51	-2.08	29.64	37.04	165.78	106.76	107.97
164.57 8.35											
		698	2.07	24.61	-36.34	6.68	-18.40	27.78	141.68	17.54	30.45
128.7837.89											
		782	2.55	32.03	-43.21	1.06	-12.24	37.03	146.42	37.12	47.76
135.7832.40											
		778	1.43	22.04	-19.01	2.22	0.81	20.51	110.78	56.99	110.14
57.63 5.83											
733	57	695	3.50	63.30	-35.38	-5.33	33.25	45.42	187.82	135.84	144.95
178.7119.77											
		698	2.63	31.25	-43.18	2.86	-14.79	36.16	125.76	29.69	58.43
97.0243.98											
		782	2.93	40.68	-50.44	-1.14	-8.63	45.41	114.07	52.96	65.06
101.9724.35											
		778	1.89	31.46	-26.45	0.60	4.42	28.89	136.67	69.46	136.49
69.64 3.45											
733	133	695	2.49	45.08	-25.51	-3.62	23.19	32.65	133.68	95.41	100.47
128.6112.96											
		698	1.81	20.87	-30.46	2.27	-11.87	24.67	93.99	23.87	42.52
75.3530.98											
		782	2.07	27.86	-35.65	-0.75	-7.04	31.60	91.49	39.77	48.07
83.2018.98											
		778	1.37	22.50	-18.87	0.68	2.95	20.66	96.66	50.71	96.37
51.00 3.68											
733	159	695	1.65	30.30	-17.08	-0.98	14.20	22.44	95.21	52.19	52.28
95.13 1.88											
		698	1.15	9.43	-20.32	3.76	-14.66	11.68	93.89	19.67	25.32
88.2419.68											
		782	1.35	14.09	-23.23	0.39	-9.54	17.99	116.21	29.59	35.86
109.9422.44											
		778	0.92	13.91	-11.69	1.94	0.28	12.77	62.14	36.09	59.55
38.67 7.79											
733	164	695	1.21	21.84	-14.71	-0.50	7.63	17.81	71.13	28.68	28.74
71.07 -1.59											
		698	1.00	3.69	-16.02	2.71	-15.04	4.27	82.74	24.00	26.76
79.9712.45											
		782	1.04	6.30	-15.86	0.07	-9.63	9.96	119.17	30.17	35.20
114.1420.55											
		778	0.78	11.59	-9.45	2.12	0.02	10.47	48.08	26.58	40.31
34.3510.32											
733	165	695	0.88	16.20	-9.10	2.03	5.07	12.56	63.93	-2.45	-1.12
62.60 -9.31											
		698	1.39	5.70	-17.65	5.65	-17.61	-0.98	106.43	2.53	3.48
105.48 9.86											
		782	1.31	3.60	-13.59	2.20	-12.19	4.71	149.27	19.27	26.34

142.1929.48
778 0.52 6.75 -5.47 3.81 -2.54 5.22 39.64 14.54 25.65
28.5312.47
733 208 695 1.31 24.70 -15.28 -1.52 10.94 18.99 94.17 70.55 76.14
88.58-10.04
698 0.99 4.00 -17.42 1.52 -14.94 6.85 51.57 0.05 1.46
50.17-8.39
782 1.32 8.85 -20.52 -2.03 -9.65 14.18 133.39 34.18 34.59
132.98 6.36
778 0.80 12.60 -10.61 2.02 -0.03 11.56 58.66 36.04 58.50
36.20 1.90
734 15 696 2.08 -2.68 -14.63 -7.83 -9.48 -5.92 36.80 -234.65 -167.07 -
30.79-117.38
699 3.80 15.89 -52.32 -29.21 -7.22 -32.29 100.66 -197.11 -84.57 -
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783 1.93 -1.16 -29.08 -28.17 -2.06 -4.94 46.95 -136.14 -89.67
0.49-79.68
779 1.61 3.67 -4.77 1.00 -2.10 3.92 19.54 -204.05 -183.92 -
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734 144 696 1.54 1.47 -9.37 -0.47 -7.43 -4.15 64.36 -154.46 -64.64 -
25.46-107.64
699 2.86 13.75 -36.14 -16.70 -5.69 -24.33 121.39 -123.26 -2.08
0.22-122.32
783 0.74 -0.81 -14.60 -13.66 -1.76 -3.48 45.17 -26.92 7.85
10.40-36.02
779 1.23 9.82 -2.75 8.86 -1.78 3.34 40.77 -108.80 -63.28 -
4.75-68.82
734 159 696 1.22 -1.50 -10.44 -4.76 -7.18 -4.30 24.78 -130.64 -92.68 -
13.18-66.78
699 2.40 12.58 -37.85 -19.85 -5.42 -24.16 55.75 -97.10 -39.95 -
1.40-73.96
783 1.17 -0.87 -21.65 -20.90 -1.62 -3.89 26.73 -66.01 -39.35
0.07-41.97
779 0.94 3.22 -3.41 1.44 -1.63 2.93 11.26 -110.64 -98.99 -
0.38-35.83
734 164 696 0.94 -1.01 -9.87 -3.79 -7.09 -4.11 22.10 -92.53 -65.27 -
5.15-48.80
699 2.01 12.87 -36.03 -17.84 -5.32 -23.64 39.18 -55.42 -20.74
4.51-45.58
783 0.94 -0.85 -21.11 -20.30 -1.65 -3.96 20.01 -36.85 -16.69 -
0.16-27.20
779 0.71 3.54 -3.23 1.95 -1.64 2.87 8.40 -75.24 -66.51 -
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699 3.11 13.38 -35.80 -17.34 -5.07 -23.81 184.18 -121.82 60.03
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783 1.79 -0.50 -20.36 -19.45 -1.40 -4.13 176.45 -102.31 76.21 -
2.07-133.78
779 1.73 4.14 -2.70 2.82 -1.39 2.70 152.80 -120.58 26.62
5.60-136.28
734 200 696 2.41 -2.46 -10.54 -5.92 -7.09 -4.00 120.81 -243.89 -101.04 -
22.04-178.02
699 3.44 11.98 -36.80 -19.66 -5.16 -23.29 199.88 -160.45 35.94
3.50-179.44
783 1.50 -0.96 -23.36 -22.65 -1.67 -3.94 130.67 -86.49 47.02 -
2.84-105.68
779 1.45 1.71 -4.02 -0.68 -1.63 2.82 46.97 -168.18 -114.46 -
6.75-93.12
735 15 697 3.42 44.97 -61.50 1.92 -18.46 -52.25 145.35 -40.34 -34.30
139.31-32.95

	700	4.38	61.55	-87.85	-12.40	-13.90	-74.70	81.75	-16.81	-16.73	
81.66-2.83											
	784	3.99	50.29	-73.47	-15.47	-7.72	-61.76	128.83	-11.39	-5.94	
123.3927.10											
	780	2.82	38.42	-43.63	3.14	-8.35	-40.62	54.83	-24.26	16.03	
14.54-39.54											
735 57	697	4.02	60.40	-71.70	7.67	-18.96	-64.69	99.27	-91.05	-89.92	
98.13-14.68											
	700	5.23	76.62	-97.83	-6.80	-14.41	-87.14	-2.94	-83.84	-81.43	-
5.3613.77											
	784	4.69	66.67	-81.74	-6.85	-8.22	-74.20	43.73	-81.10	-73.15	
35.7830.50											
	780	3.50	55.60	-52.54	11.92	-8.86	-53.06	0.39	-69.65	-42.03	-
27.23-34.23											
735 133	697	2.88	43.04	-52.02	5.39	-14.37	-46.49	77.86	-63.11	-61.28	
76.03-15.97											
	700	3.75	55.45	-71.82	-5.54	-10.83	-63.58	5.28	-55.00	-54.75	
5.03 3.91											
	784	3.39	47.45	-60.03	-6.35	-6.23	-53.74	46.01	-51.99	-47.27	
41.2920.97											
	780	2.52	39.00	-37.80	7.92	-6.73	-37.69	8.45	-47.47	-26.31	-
12.71-27.12											
735 159	697	2.27	26.79	-38.48	1.82	-13.51	-31.72	103.07	-28.68	-17.11	
91.50-37.28											
	700	3.08	39.12	-57.36	-8.42	-9.82	-48.23	70.72	-14.50	-7.55	
63.77-23.32											
	784	2.51	29.65	-48.14	-12.74	-5.75	-38.74	116.48	3.12	4.35	
115.25 11.74											
	780	1.72	21.00	-26.33	0.95	-6.27	-23.39	52.70	-12.09	12.64	
27.97-31.47											
735 164	697	2.00	20.90	-31.80	2.09	-12.99	-25.25	99.24	-29.74	-10.02	
79.53-46.41											
	700	2.86	32.83	-49.54	-7.56	-9.15	-41.17	82.61	-21.61	-3.49	
64.49-39.50											
	784	2.11	22.78	-41.77	-13.38	-5.61	-32.04	131.00	10.99	11.18	
130.81 4.77											
	780	1.38	14.47	-20.80	-0.17	-6.15	-17.38	62.01	-8.33	12.87	
40.80-32.28											
735 179	697	2.36	30.34	-39.25	4.10	-13.01	-33.73	65.24	-59.76	-48.72	
54.20-35.47											
	700	3.27	42.28	-57.09	-5.64	-9.17	-49.65	26.29	-62.33	-48.02	
11.99-32.60											
	784	2.48	32.80	-48.35	-9.92	-5.63	-40.52	76.99	-38.76	-38.63	
76.86 3.84											
	780	1.84	24.90	-27.69	3.39	-6.17	-25.86	27.84	-45.99	-31.45	
13.29-29.36											
735 220	697	2.19	19.43	-36.20	-4.15	-12.62	-27.49	127.65	-16.57	3.02	
108.06-49.40											
	700	3.07	32.71	-53.27	-12.31	-8.24	-42.94	94.25	-25.89	-4.33	
72.69-46.10											
	784	2.25	23.18	-47.21	-18.73	-5.30	-34.55	130.08	6.82	6.89	
130.02 2.85											
	780	1.65	14.39	-27.33	-6.65	-6.28	-20.86	63.31	-13.50	22.86	
26.94-38.35											
736 15	698	2.43	32.04	-41.60	4.03	-13.58	35.75	143.09	34.18	42.21	
135.0728.46											
	701	1.61	4.62	-32.07	-7.86	-19.58	17.39	172.22	11.80	27.12	
156.9147.14											
	786	2.30	13.67	-41.56	-15.09	-12.79	27.59	245.07	41.04	44.66	
241.4526.94											
	782	3.18	38.88	-50.55	-1.28	-10.40	44.48	172.01	33.80	53.13	
152.6947.93											
736 57	698	3.17	41.00	-54.76	-1.96	-11.80	47.63	104.31	-4.64	8.37	
91.3035.33											
	701	2.43	13.59	-45.08	-13.69	-17.80	29.26	107.08	-43.30	-13.64	
77.4259.84											
	786	2.90	22.25	-57.85	-24.60	-11.01	39.47	169.73	9.91	15.46	
164.1929.24											
	782	3.80	46.60	-66.15	-10.94	-8.61	56.36	130.36	11.68	30.88	

111.1643.70											
736	133	698	2.20	28.10	-38.78	-1.10	-9.58	33.17	80.41	1.21	9.55
72.0824.30											
		701	1.61	7.08	-30.96	-10.06	-13.83	18.93	85.89	-23.36	-5.09
67.6240.77											
		786	2.03	13.81	-40.57	-18.07	-8.69	26.78	139.28	12.02	15.49
135.8120.73											
		782	2.72	32.74	-47.05	-7.45	-6.86	39.89	104.59	11.35	25.35
90.5833.31											
736	159	698	1.30	14.48	-24.07	2.23	-11.82	17.94	95.18	28.43	30.93
92.6812.68											
		701	1.15	-5.39	-16.04	-6.57	-14.87	3.34	124.20	22.18	26.03
120.3619.44											
		786	1.49	0.17	-22.34	-12.16	-10.01	11.20	193.75	35.64	36.94
192.4514.24											
		782	1.87	20.27	-29.60	-1.12	-8.21	24.69	132.90	25.98	37.96
120.9233.72											
736	164	698	1.08	7.20	-18.51	1.57	-12.87	10.63	84.68	29.18	29.76
84.10 5.63											
		701	1.18	-5.02	-16.66	-6.96	-14.72	-4.34	120.57	29.51	29.99
120.09 6.57											
		786	1.44	-7.61	-15.10	-12.58	-10.14	3.54	198.14	38.37	38.91
197.60 9.28											
		782	1.45	12.96	-22.56	-1.22	-8.38	17.40	133.60	25.72	35.74
123.58 31.31											
736	165	698	1.18	7.14	-14.29	6.52	-13.67	3.59	121.26	65.41	65.66
121.01 3.74											
		701	1.67	4.40	-22.01	-2.10	-15.51	-11.38	182.45	70.87	70.88
182.45-0.20											
		786	1.88	-2.76	-12.43	-4.26	-10.93	-3.50	258.24	67.64	68.19
257.6910.23											
		782	1.30	12.21	-14.18	7.20	-9.17	10.35	171.15	47.09	60.02
158.2337.90											
736	208	698	1.13	8.42	-20.68	0.14	-12.40	13.13	56.97	12.99	14.70
55.26-8.50											
		701	0.85	-9.24	-15.39	-9.65	-14.98	-1.54	70.28	7.32	7.35
70.25 1.37											
		786	1.66	-5.39	-21.79	-16.97	-10.21	7.47	228.51	38.89	39.02
228.39 4.94											
		782	1.59	15.38	-27.30	-3.54	-8.38	21.21	147.93	32.95	36.76
144.1220.59											
737	15	699	3.31	8.00	-44.00	-29.49	-6.51	-23.32	97.92	-195.83	-85.09	-
12.82-142.36											
		702	4.27	15.31	-72.33	-54.90	-2.12	-34.98	137.82	-167.76	-29.42	-
0.51-152.11											
		787	2.77	-2.79	-70.13	-69.85	-3.07	-4.38	67.55	-100.77	-32.72	-
0.49-82.60											
		783	1.79	-2.49	-31.67	-31.48	-2.68	2.36	45.06	-136.81	-91.95	
0.21-78.39											
737	101	699	2.91	13.42	-36.02	-15.52	-7.08	-24.35	97.91	-149.80	-35.54	-
16.34-123.48											
		702	3.86	18.96	-62.58	-40.93	-2.69	-36.01	153.65	-120.52	22.02	
11.12-136.98											
		787	1.82	-2.99	-48.57	-47.92	-3.64	-5.41	95.52	-39.43	40.53	
15.56-66.31											
		783	0.79	-2.98	-9.83	-9.56	-3.25	1.33	55.11	-69.00	-20.66	
6.78-60.52											
737	112	699	2.42	6.21	-33.26	-22.06	-4.99	-17.79	70.28	-137.62	-59.28	-
8.06-100.75											
		702	3.13	11.82	-54.48	-41.15	-1.52	-26.58	99.41	-114.98	-15.99	
0.41-106.88											
		787	2.06	-2.15	-53.66	-53.44	-2.38	-3.40	49.72	-68.56	-18.37	-
0.47-58.46											
		783	1.31	-1.92	-24.19	-24.05	-2.07	1.79	32.55	-95.90	-63.48	
0.13-55.79											
737	159	699	2.02	6.39	-31.37	-20.03	-4.94	-17.31	53.88	-95.33	-39.23	-
2.22-72.27											
		702	2.62	11.97	-50.74	-37.62	-1.15	-25.51	78.32	-69.67	5.61	
3.05-73.98											

787 1.82 -2.19 -52.74 -52.49 -2.44 -3.53 43.51 -40.50 3.75 -0.74-41.94
783 1.08 -1.97 -23.63 -23.50 -2.10 1.70 25.78 -65.66 -39.91 0.03-41.13
737 164 699 1.62 6.60 -29.51 -18.01 -4.90 -16.82 37.48 -53.03 -19.18 3.63-43.80
702 2.12 12.14 -47.01 -34.09 -0.78 -24.44 58.91 -26.03 27.21 5.68-41.08
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783 0.87 -2.01 -23.08 -22.95 -2.13 1.62 19.49 -35.89 -16.33 -0.07-26.47
737 173 699 2.55 5.06 -32.54 -22.88 -4.60 -16.43 134.99 -127.63 5.98 1.38-131.29
702 2.98 11.06 -50.53 -38.98 -0.49 -24.04 157.00 -94.57 53.25 9.17-123.84
787 2.55 -2.02 -59.16 -58.97 -2.20 -3.25 142.72 -77.78 60.77 4.17-106.55
783 1.78 -1.69 -30.50 -30.36 -1.84 2.02 123.80 -100.94 17.70 5.16-112.19
737 200 699 3.05 5.79 -30.39 -19.81 -4.79 -16.46 199.42 -161.29 35.09 3.05-179.64
702 3.27 11.39 -47.69 -35.55 -0.76 -23.88 213.54 -114.08 90.26 9.20-158.72
787 2.58 -2.25 -53.47 -53.22 -2.51 -3.63 156.83 -55.21 104.63 -3.01-91.35
783 1.62 -2.03 -25.39 -25.27 -2.15 1.64 116.10 -78.87 42.38 -5.15-94.54
738 15 700 4.11 54.36 -80.39 -12.76 -13.26 -67.38 86.47 -27.16 -26.27 85.5810.02
703 4.79 60.51 -92.02 -28.25 -3.27 -75.24 94.80 -13.85 -3.16 84.1232.35
788 4.28 41.70 -84.62 -35.79 -7.13 -61.51 207.02 25.13 34.13 198.0239.44
784 3.08 38.06 -62.80 -16.52 -8.22 -50.26 133.30 20.75 20.75 133.30 0.18
738 57 700 4.94 69.06 -87.92 -5.05 -13.80 -78.37 17.28 -74.62 -61.70 4.3631.95
703 5.71 74.42 -98.87 -20.64 -3.80 -86.23 19.74 -104.39 -46.66 -37.9961.92
788 4.89 57.16 -88.76 -23.93 -7.67 -72.51 108.72 -22.05 7.35 79.3254.60
784 3.68 54.63 -67.95 -4.56 -8.76 -61.26 56.61 0.69 1.83 55.48 7.88
738 133 700 3.52 49.67 -64.42 -4.40 -10.35 -56.97 16.76 -47.09 -42.07 11.74 17.18
703 4.08 53.76 -72.61 -16.20 -2.64 -62.82 16.22 -62.22 -31.09 -14.9138.38
788 3.54 40.15 -65.62 -19.70 -5.77 -52.42 97.06 -6.77 9.75 80.5337.98
784 2.63 38.16 -49.74 -4.95 -6.64 -43.94 55.66 4.13 4.37 55.42 3.47
738 159 700 2.66 33.56 -51.48 -8.63 -9.30 -42.52 68.53 -15.23 -12.76 66.07-14.16
703 2.94 37.95 -59.28 -19.79 -1.54 -47.75 72.34 -0.99 -0.96 72.31 -1.55
788 2.74 23.02 -56.02 -27.83 -5.17 -37.86 186.11 29.42 31.98 183.5519.87
784 1.99 20.30 -40.05 -13.63 -6.12 -29.94 123.33 19.74 20.29 122.78-7.53
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703 2.73 31.41 -50.51 -18.31 -0.79 -40.01 83.79 -5.50 0.16 78.12-21.76
788 2.36 16.25 -49.23 -28.05 -4.93 -30.63 208.24 35.54 36.36 207.42 11.86
784 1.76 13.49 -33.79 -14.33 -5.97 -23.26 139.81 22.06 23.61 138.26-13.40
738 169 700 2.40 17.27 -41.66 -16.37 -8.02 -29.17 147.47 3.04 21.47

129.04-48.18
703 2.90 22.78 -49.84 -26.85 -0.21 -33.78 182.66 22.50 34.35
170.81-41.91
788 2.82 7.74 -53.62 -41.53 -4.35 -24.40 298.84 65.81 65.83
298.82 2.19
784 1.98 3.77 -37.07 -27.91 -5.38 -17.03 202.44 44.50 47.17
199.76-20.38
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80.13-40.92
703 2.90 29.79 -53.40 -23.51 -0.10 -39.92 99.09 -6.40 2.52
90.17-29.35
788 2.59 14.77 -54.12 -34.72 -4.63 -30.98 232.60 43.43 43.91
232.12 9.46
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152.21-17.81
739 15 701 1.92 12.02 -38.39 -8.17 -18.20 24.70 167.85 18.91 28.63
158.1336.78
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288.3224.96
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237.1746.15
739 59 701 2.72 15.66 -54.72 -23.50 -15.56 34.97 52.93 -59.20 -32.10
25.8348.00
704 2.58 4.96 -52.03 -35.61 -11.45 25.81 46.72 -87.02 -41.90
1.6063.23
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123.8030.97
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115.1521.26
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739 159 701 1.19 -0.56 -20.11 -6.69 -13.97 9.07 122.56 24.76 26.11
121.20 11.44
704 1.13 -10.07 -16.75 -16.01 -10.82 2.11 143.12 21.83 25.09
139.8619.63
790 1.72 -6.21 -28.36 -23.56 -11.01 9.13 235.37 44.64 45.27
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786 1.78 7.81 -31.36 -13.14 -10.40 19.54 194.35 32.50 37.85
189.0028.95
739 164 701 1.12 -6.71 -14.25 -7.01 -13.95 1.48 120.89 29.22 29.24
120.87 -1.46
704 1.20 -7.56 -19.35 -16.08 -10.83 -5.28 144.88 26.96 27.07
144.77 3.65
790 1.74 -10.99 -24.74 -24.49 -11.24 1.84 244.76 46.92 47.03
244.65 4.60
786 1.49 0.01 -24.19 -13.62 -10.55 12.00 197.63 35.49 39.11
194.0223.94
739 165 701 1.54 1.52 -15.77 0.28 -14.53 -4.47 183.49 64.68 65.76
182.40-11.31
704 1.74 1.16 -21.43 -8.86 -11.42 -11.22 226.65 67.18 67.55
226.28-7.62
790 2.26 -7.91 -16.13 -12.21 -11.82 -4.11 325.54 84.28 84.28
325.54 0.26
786 1.87 1.59 -14.03 -1.29 -11.14 6.06 257.29 70.01 72.39
254.9120.95
739 208 701 0.88 -7.11 -16.74 -9.69 -14.16 4.26 70.66 4.88 5.21
70.33-4.66
704 0.88 -10.46 -20.43 -19.68 -11.20 -2.62 86.38 5.13 5.58
85.94 6.02
790 1.94 -9.90 -31.28 -29.93 -11.24 5.19 274.44 46.14 46.21
274.37 4.07
786 1.77 1.91 -30.58 -18.06 -10.61 15.81 227.11 36.62 38.64

225.0919.50
740 15 702 3.81 8.72 -65.79 -55.58 -1.49 -25.62 136.61 -167.85 -29.90 -
1.34-151.56
705 4.40 8.88 -91.12 -80.62 -1.62 -30.65 164.92 -140.93 12.55
11.43-152.93
791 3.68 -3.26 -107.24 -107.11 -3.39 -3.69 87.56 -75.26 13.16 -
0.86-81.11
787 2.65 -3.13 -70.72 -70.65 -3.20 2.12 67.98 -100.81 -32.57 -
0.27-82.83
740 37 702 2.71 10.82 -58.15 -46.54 -0.79 -25.81 0.08 -185.61 -165.75 -
19.7857.39
705 3.40 10.41 -77.58 -67.97 0.80 -27.44 19.81 -122.78 -119.43
16.4621.58
791 4.43 -3.17 -95.48 -95.21 -3.44 -5.04 17.31 -229.78 -196.82 -
15.6584.01
787 3.76 -3.10 -61.41 -61.40 -3.11 0.68 14.47 -293.63 -242.67 -
36.50114.48
740 123 702 2.00 8.16 -44.39 -35.66 -0.56 -19.56 -2.29 -116.98 -106.64 -
12.6432.86
705 2.50 7.85 -58.52 -51.59 0.93 -20.29 12.58 -72.38 -71.58
11.79 8.18
791 3.23 -2.52 -73.78 -73.58 -2.72 -3.77 10.12 -144.69 -123.99 -
10.5852.69
787 2.69 -2.43 -47.99 -47.98 -2.44 0.62 7.64 -190.17 -158.11 -
24.4272.89
740 158 702 1.78 7.22 -42.45 -34.98 -0.25 -17.76 58.65 -25.08 29.38
4.20-39.93
705 2.04 7.08 -51.50 -47.36 2.94 -15.01 87.26 -20.23 61.09
5.94-46.13
791 2.88 -3.08 -77.04 -76.91 -3.21 -3.04 64.18 -10.46 54.83 -
1.10-24.71
787 1.97 -2.76 -53.90 -53.87 -2.79 1.26 42.86 -15.57 27.95 -
0.65-25.48
740 164 702 1.78 7.15 -42.19 -34.74 -0.29 -17.66 58.90 -25.80 28.97
4.13-40.49
705 2.03 7.07 -51.25 -47.10 2.92 -14.99 87.07 -20.71 60.28
6.08-46.58
791 2.84 -3.08 -75.94 -75.82 -3.20 -3.04 63.72 -10.66 54.16 -
1.10-24.90
787 1.94 -2.75 -52.91 -52.88 -2.78 1.27 42.72 -15.86 27.52 -
0.65-25.68
740 169 702 2.34 5.95 -45.30 -39.05 -0.30 -16.77 172.84 -61.97 97.62
13.25-109.57
705 2.63 6.35 -54.89 -51.45 2.91 -14.10 186.86 -55.30 127.12
4.44-104.39
791 3.82 -3.16 -83.14 -83.08 -3.22 -2.15 191.80 -33.77 152.48
5.55-85.58
787 3.04 -2.72 -60.20 -60.12 -2.80 2.15 183.37 -43.86 127.71
11.80-97.72
740 200 702 2.93 6.56 -43.00 -36.15 -0.29 -17.10 215.59 -117.41 88.65
9.54-161.73
705 2.56 6.67 -52.01 -48.13 2.79 -14.58 202.35 -80.01 110.93
11.41-132.12
791 3.45 -3.06 -76.92 -76.80 -3.19 -3.02 162.83 -37.76 128.34 -
3.27-75.69
787 2.68 -2.75 -54.56 -54.52 -2.78 1.30 148.81 -49.28 103.09 -
3.57-83.46
741 15 703 4.47 53.36 -85.08 -29.19 -2.53 -67.93 101.37 -20.03 -4.11
85.4440.98
706 4.40 48.62 -84.46 -40.79 4.94 -62.49 117.09 -14.85 11.42
90.8152.69
792 4.17 29.71 -89.21 -52.58 -6.92 -54.90 248.69 40.10 49.70
239.1043.70
788 3.51 31.20 -74.73 -36.26 -7.26 -50.95 201.96 33.58 35.92
199.6219.72
741 57 703 5.29 66.94 -90.06 -19.70 -3.42 -78.08 28.46 -102.72 -39.25 -
35.0265.56
706 5.16 61.06 -88.51 -31.50 4.05 -72.64 32.69 -112.58 -28.09 -
51.8071.66

	792	4.54	43.46	-90.36	-39.09	-7.81	-65.06	118.90	-27.13	-2.25	
94.0254.90											
	788	4.02	46.16	-76.88	-22.57	-8.16	-61.10	89.85	-24.81	-11.65	
76.6936.54											
741 133	703	3.77	48.04	-66.01	-15.66	-2.31	-56.63	22.71	-61.68	-26.30	-
12.6741.64											
	706	3.67	43.57	-64.66	-24.54	3.45	-52.28	27.56	-67.81	-18.25	-
21.9947.65											
	792	3.29	29.78	-66.90	-31.31	-5.81	-46.63	111.36	-9.02	5.09	
97.2538.73											
	788	2.88	31.72	-56.67	-18.84	-6.11	-43.73	85.56	-9.32	-2.79	
79.0424.01											
741 159	703	2.58	32.50	-53.94	-20.49	-0.96	-42.11	74.17	-2.25	-1.93	
73.85 4.88											
	706	2.50	28.88	-52.68	-28.64	4.84	-37.18	87.15	2.26	5.83	
83.5917.03											
	792	2.69	14.25	-58.94	-39.83	-4.86	-32.14	229.63	41.56	44.58	
226.6123.62											
	788	2.27	15.15	-48.61	-28.20	-5.26	-29.74	185.33	32.95	33.12	
185.16 5.08											
741 164	703	2.39	26.01	-45.20	-18.98	-0.21	-34.35	82.93	-3.86	-1.00	
80.07-15.50											
	706	2.22	22.59	-43.50	-26.55	5.64	-28.86	94.10	3.56	3.57	
94.09-0.94											
	792	2.55	8.08	-51.94	-39.36	-4.50	-24.43	260.47	48.22	49.43	
259.2615.98											
	788	2.15	8.66	-42.11	-28.44	-5.01	-22.52	209.37	37.28	37.32	
209.33-2.63											
741 165	703	2.61	17.24	-46.09	-29.33	0.49	-27.93	179.24	22.43	29.27	
172.40-32.02											
	706	2.64	15.89	-46.35	-36.78	6.33	-22.44	201.35	35.60	36.60	
200.35-12.84											
	792	3.25	1.91	-60.54	-54.82	-3.81	-18.02	367.85	92.39	92.68	
367.56 8.91											
	788	2.72	1.39	-49.73	-44.02	-4.32	-16.11	304.61	76.90	77.80	
303.71-14.32											
741 206	703	2.46	21.83	-45.47	-23.36	-0.29	-31.61	106.39	-0.68	7.55	
98.17-28.51											
	706	2.33	19.35	-44.89	-31.16	5.62	-26.34	117.59	10.64	11.45	
116.79-9.25											
	792	2.88	5.21	-54.98	-45.57	-4.20	-21.86	315.85	66.81	67.56	
315.0913.69											
	788	2.38	4.84	-44.17	-34.51	-4.82	-19.50	254.73	53.07	53.25	
254.54-6.09											
742 15	704	2.08	5.40	-39.87	-20.95	-13.52	22.33	185.81	17.38	29.64	
173.5543.76											
	707	2.40	3.54	-42.66	-29.84	-9.28	20.68	206.38	12.57	33.56	
185.4060.23											
	794	2.83	1.19	-55.92	-40.18	-14.55	25.52	315.74	60.78	63.25	
313.2724.96											
	790	3.11	13.85	-57.29	-29.45	-13.99	34.72	295.45	48.56	56.57	
287.4443.74											
742 59	704	2.82	8.84	-59.32	-39.53	-10.94	30.94	42.59	-76.66	-36.74	
2.6756.28											
	707	3.07	8.33	-63.47	-48.09	-7.05	29.46	38.03	-107.20	-43.57	-
25.6072.05											
	794	3.49	3.79	-85.50	-69.38	-12.34	34.35	119.08	-20.04	-12.00	
111.0432.47											
	790	3.84	14.23	-84.45	-58.56	-11.67	43.42	140.63	-28.11	-10.20	
122.7251.97											
742 134	704	1.92	4.30	-41.52	-28.52	-8.69	20.65	42.75	-42.54	-20.89	
21.1037.12											
	707	2.12	4.01	-44.86	-35.11	-5.75	19.54	41.05	-61.84	-25.52	
4.7349.17											
	794	2.51	0.73	-61.30	-50.74	-9.82	23.31	115.40	-5.08	-0.88	
111.2022.10											
	790	2.75	8.67	-60.31	-42.35	-9.29	30.26	125.40	-11.47	-0.48	
114.4137.19											
742 158	704	1.14	-10.42	-16.29	-16.29	-10.42	0.13	145.09	26.83	26.93	

145.00-3.37											
	707	1.24	-7.82	-22.91	-22.88	-7.86	-0.75	164.23	25.63	26.13	
163.72 8.36											
	794	2.00	-11.57	-34.80	-34.38	-11.99	3.09	279.39	53.28	53.33	
279.34 3.35											
	790	1.78	-6.26	-30.55	-25.48	-11.33	9.87	246.55	45.55	47.36	
244.7418.99											
742 164	704	1.14	-10.47	-16.23	-16.23	-10.47	0.21	144.99	26.92	27.00	
144.91-3.03											
	707	1.23	-7.83	-22.87	-22.83	-7.87	-0.74	164.01	25.92	26.45	
163.48 8.53											
	794	1.99	-11.54	-34.12	-33.69	-11.97	3.09	278.85	53.32	53.37	
278.80 3.39											
	790	1.78	-6.09	-30.09	-24.86	-11.31	9.90	246.30	45.58	47.40	
244.4719.05											
742 165	704	1.66	-4.97	-13.97	-7.51	-11.43	-4.05	227.02	61.95	63.34	
225.63-15.09											
	707	1.79	-5.82	-17.18	-14.19	-8.82	-5.01	262.55	66.37	66.44	
262.49-3.53											
	794	2.56	-12.74	-20.53	-20.35	-12.92	-1.17	377.83	93.36	93.38	
377.81-2.36											
	790	2.27	-6.20	-17.51	-11.45	-12.27	5.64	325.93	83.04	83.78	
325.19 13.31											
742 208	704	0.86	-10.00	-20.66	-19.82	-10.84	2.87	86.20	5.49	5.49	
86.20 0.41											
	707	1.14	-8.08	-27.20	-27.07	-8.21	1.56	100.99	3.92	5.83	
99.0713.50											
	794	2.31	-10.68	-40.87	-39.69	-11.86	5.84	302.87	51.45	51.53	
302.79 4.33											
	790	2.13	-4.53	-37.06	-30.29	-11.31	13.21	275.39	45.17	46.63	
273.9418.26											
743 15	705	3.91	1.87	-85.15	-80.29	-3.00	-19.99	163.51	-141.52	8.73	
13.26-152.50											
	708	5.01	4.09	-122.70	-108.92	-9.69	-39.47	169.71	-102.31	47.68	
19.72-135.29											
	795	5.23	-1.81	-145.19	-145.09	-1.91	-3.75	108.14	-54.07	55.92	-
1.86-75.79											
	791	3.71	-2.73	-105.05	-104.97	-2.81	2.82	87.53	-75.08	13.57	-
1.12-80.98											
743 35	705	3.77	1.71	-82.26	-77.69	-2.86	-19.04	64.53	-130.89	-82.59	
16.24-84.29											
	708	4.91	3.91	-119.74	-106.28	-9.55	-38.52	73.81	-101.96	-44.41	
16.26-82.49											
	795	5.12	-1.71	-140.79	-140.73	-1.77	-2.80	-2.55	-79.16	-70.71	-
10.99-23.99											
	791	4.04	-2.52	-100.82	-100.67	-2.67	3.77	-4.60	-114.08	-112.30	-
6.38-13.86											
743 112	705	2.82	1.74	-63.19	-59.85	-1.60	-14.33	119.68	-96.30	13.66	
9.71-107.97											
	708	3.53	2.40	-88.09	-79.54	-6.15	-26.46	124.31	-70.48	39.25	
14.59-96.61											
	795	3.89	-1.62	-107.73	-107.65	-1.70	-2.79	80.15	-36.69	44.85	-
1.38-53.65											
	791	2.86	-2.25	-80.21	-80.15	-2.30	2.15	65.71	-50.25	16.37	-
0.91-57.33											
743 159	705	2.20	2.82	-55.79	-53.67	0.70	-10.94	101.08	-56.69	36.25	
8.14-77.62											
	708	2.49	0.96	-68.61	-65.77	-1.89	-13.77	104.60	-44.30	47.61	
12.69-72.37											
	795	3.48	-2.37	-94.86	-94.79	-2.44	-2.50	71.29	-21.72	50.80	-
1.23-38.55											
	791	2.86	-2.71	-78.25	-78.19	-2.77	2.08	62.40	-27.85	35.64	-
1.09-41.22											
743 164	705	2.01	4.10	-48.58	-47.48	3.00	-7.54	86.73	-21.31	58.84	
6.57-47.27											
	708	2.17	2.39	-52.01	-51.99	2.37	-1.09	86.56	-19.80	55.98	
10.78-48.14											
	795	3.06	-3.11	-81.99	-81.93	-3.17	-2.20	65.07	-9.40	56.75	-
1.08-23.45											

	791	2.89	-3.18	-76.29	-76.23	-3.24	2.01	64.49	-10.85	54.91	-1.27-25.10
743 169	705	2.64	4.00	-52.24	-51.19	2.95	-7.62	176.78	-48.47	122.78	5.52-96.16
	708	2.81	2.34	-55.79	-55.77	2.31	-1.18	169.12	-34.85	120.45	13.82-86.94
	795	3.87	-3.17	-88.02	-87.96	-3.23	-2.29	168.38	-17.45	144.98	5.95-61.65
	791	3.75	-3.25	-82.23	-82.19	-3.30	1.92	174.07	-28.29	142.61	3.17-73.32
743 200	705	2.61	3.86	-49.50	-48.51	2.87	-7.18	202.72	-83.61	107.62	11.49-134.86
	708	2.76	2.35	-52.75	-52.74	2.33	-0.95	173.72	-52.25	114.00	7.48-99.65
	795	3.62	-3.11	-82.65	-82.59	-3.17	-2.21	152.94	-25.73	130.15	-2.95-59.60
	791	3.50	-3.16	-77.26	-77.20	-3.22	2.02	156.30	-31.90	127.52	-3.12-67.74
744 15	706	4.05	40.92	-77.06	-41.19	5.06	-54.27	124.63	-19.84	13.88	90.91 61.11
	709	3.52	29.91	-71.44	-45.80	4.27	-44.06	126.60	-2.12	27.94	96.5354.46
	796	3.76	19.05	-85.32	-59.62	-6.65	-44.96	259.81	45.92	54.42	251.3041.80
	792	3.43	19.77	-79.16	-52.67	-6.72	-43.81	240.29	45.05	48.25	237.1024.76
744 57	706	4.72	52.28	-79.25	-30.69	3.72	-63.47	38.54	-122.02	-30.75	-52.7279.53
	709	4.15	40.40	-72.79	-35.33	2.94	-53.27	28.10	-123.28	-21.86	-73.3271.18
	796	3.93	30.64	-83.96	-45.35	-7.98	-54.17	104.85	-22.98	1.13	80.7350.01
	792	3.64	31.93	-78.34	-38.37	-8.05	-53.01	104.24	-11.34	0.14	92.7634.57
744 144	706	3.21	36.22	-58.39	-25.69	3.51	-45.00	77.77	-25.11	1.04	51.6244.79
	709	2.77	27.26	-53.25	-28.90	2.91	-36.98	83.23	-10.58	13.17	59.4840.79
	796	2.96	19.60	-62.55	-37.35	-5.61	-37.89	193.57	28.22	35.58	186.21 34.11
	792	2.72	20.42	-58.52	-32.42	-5.68	-37.14	173.93	27.07	30.09	170.9020.85
744 158	706	1.91	17.42	-38.34	-26.71	5.80	-22.65	95.25	4.05	4.53	94.77 6.57
	709	1.60	9.87	-33.48	-28.74	5.14	-13.52	105.34	20.25	21.41	104.18 9.86
	796	2.56	1.44	-48.80	-43.21	-4.16	-15.81	282.50	53.68	54.78	281.4015.83
	792	2.43	1.80	-46.08	-39.94	-4.34	-16.02	259.04	48.56	48.57	259.02 1.84
744 164	706	1.90	17.26	-38.33	-26.82	5.75	-22.52	94.86	4.45	4.95	94.36 6.71
	709	1.60	9.79	-33.54	-28.87	5.11	-13.44	104.96	20.59	21.69	103.86 9.57
	796	2.54	1.44	-48.29	-42.69	-4.16	-15.72	281.46	53.63	54.73	280.3615.76
	792	2.41	1.78	-45.58	-39.45	-4.34	-15.90	257.91	48.51	48.52	257.90 1.91
744 165	706	2.43	12.36	-42.98	-37.28	6.66	-16.83	201.67	42.41	42.51	201.57 -4.11
	709	2.34	7.30	-40.65	-39.36	6.02	-7.75	226.16	62.25	62.25	226.16-0.26
	796	3.43	-1.46	-59.42	-57.63	-3.25	-10.03	403.46	96.95	97.32	403.0810.67
	792	3.18	-1.47	-56.32	-54.35	-3.44	-10.21	365.59	88.05	88.11	365.53-4.05
744 206	706	2.04	14.45	-40.14	-31.43	5.74	-19.99	117.14	12.78	12.79	117.12 -1.30
	709	1.77	8.15	-36.55	-33.51	5.11	-11.25	130.11	32.45	32.82	

129.74 6.00											
	796	2.96	0.04	-52.59	-48.77	-3.78	-13.65	343.43	73.57	74.36	
342.6314.60											
	792	2.77	-0.14	-49.55	-45.65	-4.04	-13.32	313.74	66.63	66.63	
313.74 -0.17											
745 15	707	2.68	10.58	-49.86	-30.18	-9.09	28.32	200.69	17.66	33.47	
184.88 51.41											
	710	3.02	11.97	-54.33	-33.84	-8.52	30.64	218.24	12.87	37.85	
193.2667.13											
	798	3.11	3.33	-62.94	-44.99	-14.62	29.45	328.09	64.90	67.44	
325.5425.77											
	794	3.43	11.41	-65.97	-40.24	-14.32	36.45	321.85	56.27	63.75	
314.3743.95											
745 59	707	3.25	12.16	-69.89	-51.36	-6.38	34.31	28.98	-94.59	-40.18	-
25.4261.34											
	710	3.55	13.43	-74.36	-54.82	-6.11	36.52	27.44	-126.54	-44.68	-
54.4276.84											
	798	3.65	3.68	-91.74	-76.05	-12.02	35.37	97.94	-24.17	-15.10	
88.8732.02											
	794	4.04	10.42	-93.51	-71.46	-11.62	42.48	131.21	-29.91	-11.08	
112.37 51.77											
745 134	707	2.27	7.19	-49.79	-37.31	-5.29	23.56	34.26	-52.74	-23.28	
4.80 41.17											
	710	2.50	8.12	-53.25	-40.01	-5.13	25.25	34.52	-73.25	-26.02	-
12.7053.47											
	798	2.65	0.86	-66.20	-55.70	-9.64	24.37	103.90	-6.91	-2.40	
99.3921.89											
	794	2.93	6.00	-67.47	-52.14	-9.32	29.85	123.29	-11.24	-0.21	
112.2536.92											
745 159	707	1.51	-0.62	-29.92	-23.13	-7.42	12.36	156.64	23.50	26.06	
154.0718.30											
	710	1.77	0.20	-33.49	-25.98	-7.31	14.03	171.74	21.51	28.63	
164.6231.92											
	798	2.21	-6.06	-41.99	-36.26	-11.79	13.16	279.64	54.53	55.06	
279.1110.90											
	794	2.31	-0.57	-43.43	-32.54	-11.46	18.66	266.35	48.87	51.75	
263.4724.87											
745 164	707	1.28	-6.17	-24.63	-23.06	-7.74	5.16	163.17	26.28	26.31	
163.14 2.06											
	710	1.50	-5.66	-28.17	-25.93	-7.89	6.73	178.71	26.37	28.26	
176.8316.84											
	798	2.20	-10.90	-38.82	-37.52	-12.20	5.89	301.13	57.42	57.49	
301.06 4.07											
	794	2.16	-6.89	-38.66	-33.74	-11.80	11.49	281.45	52.40	53.83	
280.0318.03											
745 165	707	1.79	-7.67	-14.64	-13.44	-8.87	2.63	261.93	62.70	63.10	
261.54-8.88											
	710	1.95	-7.11	-18.31	-16.40	-9.02	4.20	290.31	67.81	68.01	
290.11 6.69											
	798	2.79	-12.35	-24.88	-23.90	-13.33	3.37	414.67	98.89	98.90	
414.67 -1.36											
	794	2.60	-6.84	-26.12	-20.04	-12.93	8.96	379.24	91.79	92.28	
378.75 11.86											
745 208	707	1.23	-5.52	-29.86	-27.30	-8.08	7.47	100.07	6.04	6.75	
99.36 8.16											
	710	1.46	-5.26	-33.51	-30.63	-8.14	8.55	112.99	4.07	8.50	
108.5621.50											
	798	2.52	-10.09	-45.77	-43.87	-11.99	8.01	317.84	54.23	54.33	
317.74 5.19											
	794	2.51	-5.76	-45.66	-39.72	-11.69	14.19	304.86	50.67	52.07	
303.4618.79											
746 15	708	4.60	-3.68	-118.68	-109.50	-12.85	-31.16	166.83	-97.96	48.51	
20.35-131.64											
	711	6.76	15.25	-180.12	-156.95	-7.92	-63.16	182.40	-81.41	97.00	
3.98-123.44											
	799	7.47	-1.38	-206.18	-206.07	-1.49	-4.67	131.41	-43.16	90.18	-
1.93-74.15											
	795	5.23	-1.55	-142.96	-142.91	-1.60	2.65	108.83	-52.78	57.95	-
1.89-75.06											

746	79	708	4.46	-2.47	-114.74	-104.33	-12.89	-32.57	124.61	-88.41	20.00
16.21-106.49											
		711	6.60	16.80	-176.43	-151.68	-7.95	-64.57	136.97	-69.41	68.48
0.92-97.18											
		799	6.96	-1.33	-198.05	-197.86	-1.52	-6.07	80.11	-34.77	53.46
8.12-48.49											
		795	4.68	-1.62	-134.81	-134.80	-1.63	1.24	59.33	-45.73	21.21
7.62-50.51											
746	112	708	3.22	-3.10	-85.05	-79.87	-8.28	-19.94	122.20	-67.59	39.49
15.13-94.11											
		711	4.63	8.73	-125.15	-111.04	-5.38	-41.12	130.20	-56.19	69.56
4.45-87.33											
		799	5.32	-1.27	-146.72	-146.65	-1.35	-3.34	94.00	-29.66	65.72
1.37-51.94											
		795	3.89	-1.43	-106.15	-106.11	-1.47	2.16	80.51	-35.92	46.02
1.43-53.16											
746	159	708	2.45	-2.32	-66.43	-65.70	-3.06	-6.83	102.74	-42.78	46.54
13.42-70.86											
		711	2.94	0.47	-83.07	-79.53	-3.07	-16.83	97.37	-35.30	53.12
8.95-62.55											
		799	3.94	-1.96	-108.14	-108.08	-2.02	-2.51	71.18	-18.34	53.85
1.01-35.37											
		795	3.48	-2.19	-93.76	-93.69	-2.27	2.58	70.99	-21.60	50.73
1.33-38.28											
746	164	708	2.26	2.88	-52.24	-51.52	2.16	6.27	84.66	-19.35	53.59
11.71-47.60											
		711	1.99	0.39	-49.17	-48.02	-0.76	7.46	64.58	-14.45	36.68
13.45-37.77											
		799	2.56	-2.65	-69.56	-69.51	-2.69	-1.69	49.09	-7.76	41.98
0.65-18.81											
		795	3.07	-2.94	-81.39	-81.28	-3.06	2.99	63.85	-9.66	55.44
1.24-23.41											
746	169	708	2.85	2.70	-55.00	-54.37	2.08	5.97	155.99	-26.95	115.40
13.65-76.02											
		711	2.58	0.17	-51.90	-50.90	-0.84	7.15	128.22	-28.05	96.27
3.90-63.02											
		799	3.23	-2.71	-73.91	-73.86	-2.77	-2.00	129.17	-24.07	113.19
8.09-46.83											
		795	3.74	-3.05	-85.65	-85.56	-3.14	2.69	149.45	-17.81	128.86
2.78-54.95											
746	200	708	2.97	2.88	-53.06	-52.32	2.14	6.40	176.98	-56.62	114.34
6.01-103.49											
		711	2.63	0.50	-49.77	-48.57	-0.69	7.67	141.36	-42.82	98.83
0.29-77.62											
		799	3.07	-2.65	-70.06	-70.02	-2.70	-1.70	127.60	-17.72	112.00
2.12-44.98											
		795	3.64	-2.95	-82.07	-81.96	-3.06	2.99	147.96	-20.32	130.38
2.74-51.47											
747	5	709	1.95	9.07	-39.83	-37.45	6.68	-10.54	147.30	28.22	32.01
143.5120.90											
		712	1.68	1.60	-34.93	-34.04	0.70	-5.65	152.17	41.38	41.46
152.08-3.08											
		800	3.34	-1.60	-55.47	-52.16	-4.91	-12.93	400.95	77.05	77.71
400.2914.59											
		796	3.39	-3.14	-59.36	-57.40	-5.10	-10.31	386.20	74.77	74.79
386.19 2.10											
747	79	709	3.58	31.41	-67.80	-39.51	3.12	-44.80	113.32	-25.91	18.89
68.5365.04											
		712	3.19	24.88	-65.30	-38.00	-2.42	-41.43	106.84	-6.24	20.78
79.8248.23											
		800	3.68	23.14	-78.50	-48.25	-7.11	-46.47	241.38	36.70	46.07
232.0142.78											
		796	3.34	18.86	-76.62	-50.57	-7.19	-42.53	226.01	39.31	43.63
221.7028.04											
747	144	709	2.51	21.21	-48.62	-30.12	2.71	-30.82	87.84	-12.78	15.72
59.3445.33											
		712	2.20	16.04	-46.40	-28.77	-1.59	-28.11	83.15	2.41	17.83
67.7331.74											
		800	2.66	14.69	-57.25	-37.29	-5.27	-32.21	198.72	32.61	38.20

193.1429.95										
	796	2.42	11.51	-56.23	-39.38	-5.34	-29.29	187.22	33.95	36.30
184.8718.82										
747 158	709	1.43	6.24	-29.73	-28.21	4.72	-7.25	105.51	20.43	23.20
102.73 15.11										
	712	1.23	0.71	-26.11	-25.59	0.19	-3.71	109.05	29.71	29.81
108.96-2.75										
	800	2.43	-1.67	-41.26	-38.94	-3.99	-9.30	289.59	55.64	56.14
289.0910.80										
	796	2.47	-2.87	-44.25	-42.99	-4.13	-7.10	279.02	54.12	54.13
279.02 0.99										
747 164	709	1.43	6.18	-29.82	-28.34	4.69	-7.16	105.12	20.76	23.45
102.4414.80										
	712	1.23	0.69	-26.24	-25.73	0.19	-3.65	108.98	29.70	29.82
108.86-3.09										
	800	2.41	-1.66	-40.73	-38.41	-3.98	-9.23	288.96	55.64	56.13
288.47 10.71										
	796	2.45	-2.88	-43.72	-42.47	-4.12	-7.03	278.02	54.08	54.09
278.01 0.95										
747 165	709	2.22	5.75	-38.12	-37.98	5.61	-2.46	225.78	66.53	66.95
225.36 8.17										
	712	2.04	1.14	-35.45	-35.42	1.11	1.05	236.21	73.43	74.09
235.56-10.29										
	800	3.34	-2.65	-52.41	-52.00	-3.07	-4.53	414.98	99.09	99.16
414.92 4.64										
	796	3.35	-3.11	-56.11	-56.01	-3.21	-2.32	400.75	96.29	96.36
400.68-4.61										
747 206	709	1.63	5.33	-33.61	-32.96	4.68	-4.97	129.22	33.71	34.99
127.9410.98										
	712	1.43	0.29	-30.37	-30.25	0.17	-1.92	136.98	43.16	43.70
136.45-7.05										
	800	2.87	-2.15	-45.62	-44.21	-3.56	-7.69	354.82	76.41	76.73
354.49 9.53										
	796	2.89	-3.21	-49.09	-48.55	-3.75	-4.95	339.99	73.69	73.69
339.99 -0.11										
748 15	710	3.33	19.42	-61.85	-33.77	-8.66	38.65	212.52	18.23	37.65
193.1058.27										
	713	3.36	17.22	-61.62	-31.82	-12.58	38.23	225.34	15.33	42.89
197.7770.91										
	802	3.16	6.79	-63.29	-41.97	-14.53	32.24	329.54	66.56	69.08
327.0125.63										
	798	3.74	13.82	-73.18	-44.80	-14.56	40.78	333.17	59.62	67.30
325.4845.20										
748 59	710	3.72	17.50	-80.45	-57.34	-5.60	41.58	15.00	-114.11	-44.52
54.5964.35										
	713	3.73	14.27	-79.26	-55.29	-9.70	40.83	16.17	-139.19	-44.85
78.1675.88										
	802	3.55	4.08	-90.45	-75.05	-11.33	34.92	72.56	-29.96	-20.65
63.2429.47										
	798	4.21	10.33	-99.78	-78.14	-11.31	43.75	109.33	-37.36	-16.52
88.4851.22										
748 134	710	2.65	11.50	-57.98	-41.68	-4.80	29.44	25.38	-64.15	-25.93
12.8444.29										
	713	2.65	8.93	-57.06	-40.15	-7.98	28.81	27.14	-80.06	-25.48
27.4453.59										
	802	2.58	1.33	-65.23	-54.72	-9.19	24.27	87.82	-10.25	-5.88
83.4620.22										
	798	3.07	6.16	-72.38	-57.07	-9.16	31.12	110.90	-15.14	-3.36
99.1136.69										
748 159	710	1.97	5.54	-38.87	-25.92	-7.41	20.19	169.01	23.94	28.50
164.4625.30										
	713	1.96	3.11	-38.31	-24.57	-10.63	19.50	179.80	24.05	33.09
170.7636.42										
	802	2.22	-4.22	-41.46	-33.90	-11.78	14.97	285.05	55.99	56.52
284.5210.99										
	798	2.55	1.11	-48.95	-36.10	-11.74	21.87	281.97	52.01	54.96
279.0225.88										
748 164	710	1.63	-1.24	-32.62	-25.88	-7.98	12.89	177.35	27.43	28.15
176.6310.37										

	713	1.58	-4.35	-31.66	-24.65	-11.36	11.93	188.29	29.89	33.17	
185.0122.56											
	802	2.21	-10.02	-37.36	-35.14	-12.23	7.46	309.81	59.04	59.11	
309.73 4.32											
	798	2.41	-5.47	-44.04	-37.36	-12.15	14.60	302.42	55.91	57.40	
300.9319.08											
748 165	710	2.06	-0.31	-24.75	-15.66	-9.40	11.81	289.56	65.94	65.96	
289.54 2.13											
	713	2.20	-2.76	-24.53	-14.51	-12.78	10.85	308.03	71.77	72.78	
307.0215.42											
	802	2.93	-10.03	-24.89	-21.26	-13.65	6.38	432.21	101.09	101.09	
432.21-0.14											
	798	2.86	-4.10	-32.87	-23.40	-13.57	13.52	414.89	96.98	97.57	
414.3113.60											
748 208	710	1.62	-0.93	-37.88	-30.57	-8.24	14.72	111.02	5.88	8.46	
108.4416.28											
	713	1.56	-4.51	-36.62	-29.63	-11.50	13.25	119.88	6.85	13.15	
113.5825.92											
	802	2.49	-9.45	-44.20	-41.71	-11.94	8.96	320.46	54.54	54.64	
320.36 5.19											
	798	2.73	-4.80	-50.84	-43.71	-11.94	16.66	318.97	52.63	54.15	
317.4620.05											
749 15	711	6.74	15.56	-183.57	-164.33	-3.67	-58.82	186.10	-80.23	104.76	
1.10-122.66											
	714	8.61	24.27	-230.41	-225.37	19.24	-35.45	210.96	-132.62	100.81	-
22.47-160.35											
	803	9.29	-6.59	-266.55	-266.49	-6.65	-3.96	127.80	-55.09	72.54	
0.18-83.98											
	799	7.67	-3.45	-210.84	-210.81	-3.49	2.85	134.05	-42.54	93.86	-
2.35-74.04											
749 79	711	6.58	16.76	-181.08	-160.66	-3.66	-60.19	147.40	-63.98	85.57	-
2.15-96.16											
	714	8.38	24.76	-227.12	-221.61	19.25	-36.82	172.15	-115.73	81.50	-
25.08-133.71											
	803	8.93	-6.52	-261.09	-260.98	-6.63	-5.33	84.79	-39.84	48.38	-
3.43-56.67											
	799	7.30	-3.46	-205.39	-205.38	-3.47	1.48	92.06	-28.77	69.78	-
6.49-46.86											
749 112	711	4.59	8.60	-127.05	-115.89	-2.56	-37.28	132.52	-55.38	74.63	
2.51-86.75											
	714	5.92	15.23	-158.70	-155.68	12.21	-22.73	146.29	-89.40	70.22	-
13.33-110.19											
	803	6.44	-4.66	-184.50	-184.45	-4.71	-2.89	89.38	-37.18	52.13	
0.07-57.68											
	799	5.45	-2.63	-149.68	-149.64	-2.66	2.37	95.67	-29.29	68.05	-
1.67-51.85											
749 159	711	3.04	-0.11	-83.28	-81.69	-1.69	-11.38	98.00	-34.81	55.27	
7.91-62.04											
	714	3.66	4.42	-98.83	-98.21	3.81	-7.96	94.34	-48.45	46.39	-
0.50-67.44											
	803	4.15	-3.32	-117.74	-117.69	-3.37	-2.39	60.57	-20.53	40.20	-
0.16-35.17											
	799	4.00	-2.52	-109.03	-108.95	-2.60	2.97	71.64	-18.29	54.57	-
1.22-35.26											
749 164	711	2.18	3.32	-51.64	-47.49	-0.83	14.52	63.62	-14.39	35.91	
13.31-37.33											
	714	1.56	-3.36	-41.98	-40.74	-4.60	6.81	42.65	-7.76	22.55	
12.33-24.68											
	803	1.85	-1.97	-51.00	-50.92	-2.04	-1.89	33.06	-5.18	28.27	-
0.38-12.67											
	799	2.55	-2.35	-68.45	-68.26	-2.54	3.57	48.21	-7.89	41.10	-
0.77-18.67											
749 177	711	2.81	3.22	-55.03	-51.15	-0.65	14.52	125.44	-57.55	67.36	
0.53-85.17											
	714	2.12	-3.29	-45.54	-44.41	-4.42	6.81	107.47	-36.83	56.72	
13.93-68.91											
	803	2.37	-1.80	-56.32	-56.25	-1.87	-1.89	100.01	-26.20	71.29	
2.53-52.92											
	799	3.14	-2.18	-73.75	-73.57	-2.36	3.57	112.73	-43.13	81.41	-

11.81-62.46											
749 200	711	2.88	3.43	-52.27	-48.06	-0.78	14.73	144.75	-47.40	97.81	-
0.47-82.56											
	714	1.99	-3.23	-42.37	-41.02	-4.58	7.14	91.44	-35.13	57.60	-
1.28-56.02											
	803	2.20	-1.98	-51.15	-51.08	-2.05	-1.88	87.35	-11.52	76.76	-
0.93-30.57											
	799	3.06	-2.35	-68.95	-68.76	-2.55	3.58	121.84	-13.61	110.59	-
2.36-37.39											
750 5	712	1.63	0.45	-33.76	-33.63	0.33	2.09	152.26	40.75	40.84	
152.18 3.07											
	715	1.50	-4.95	-29.07	-28.51	-5.51	-3.63	162.26	23.76	25.60	
160.42-15.88											
	804	3.26	-2.13	-46.26	-43.88	-4.52	-9.98	420.86	77.74	78.02	
420.58 9.77											
	800	3.28	-4.79	-51.56	-51.49	-4.87	-1.89	400.11	77.36	77.45	
400.02-5.40											
750 79	712	2.89	17.33	-59.57	-39.68	-2.56	-33.67	114.51	-13.22	20.90	
80.3956.51											
	715	3.08	20.23	-64.64	-36.32	-8.09	-40.02	109.83	-9.04	14.77	
86.0347.57											
	804	3.55	21.99	-75.30	-46.59	-6.72	-44.38	247.84	40.13	48.50	
239.4640.85											
	800	3.00	12.78	-70.79	-51.16	-6.85	-35.43	235.11	44.54	47.41	
232.2423.19											
750 144	712	1.97	10.45	-42.01	-29.84	-1.72	-22.14	88.47	-2.50	17.85	
68.1237.91											
	715	2.10	12.42	-45.50	-27.08	-6.00	-26.98	85.13	-0.18	12.27	
72.68 30.11											
	804	2.56	13.95	-54.25	-35.33	-4.97	-30.53	204.90	35.02	39.84	
200.0828.21											
	800	2.22	7.08	-51.33	-39.16	-5.09	-23.72	194.68	37.65	39.06	
193.2714.85											
750 158	712	1.20	0.10	-25.48	-25.28	-0.09	2.24	109.08	29.28	29.33	
109.03 2.10											
	715	1.08	-4.27	-21.65	-21.34	-4.58	-2.29	116.40	16.72	18.16	
114.96-11.89											
	804	2.36	-2.02	-34.25	-32.57	-3.70	-7.18	303.80	56.05	56.26	
303.59 7.35											
	800	2.38	-3.94	-38.44	-38.43	-3.96	-0.82	288.98	55.87	55.95	
288.89-4.51											
750 164	712	1.20	0.11	-25.63	-25.42	-0.10	2.31	108.98	29.30	29.34	
108.94 1.77											
	715	1.08	-4.28	-21.77	-21.48	-4.57	-2.24	116.47	16.69	18.17	
114.99-12.02											
	804	2.35	-2.00	-33.72	-32.03	-3.69	-7.12	303.49	56.09	56.30	
303.27 7.29											
	800	2.37	-3.93	-37.91	-37.90	-3.95	-0.77	288.38	55.86	55.95	
288.29-4.57											
750 165	712	2.03	1.79	-35.14	-34.21	0.87	5.76	235.35	69.97	70.32	
235.00-7.62											
	715	1.95	-3.55	-30.36	-30.31	-3.61	1.21	256.76	59.44	61.80	
254.39-21.46											
	804	3.34	-2.40	-44.24	-43.91	-2.73	-3.67	442.66	99.83	99.85	
442.65 2.07											
	800	3.29	-2.83	-49.90	-49.74	-2.99	2.68	414.63	96.54	96.84	
414.33-9.75											
750 206	712	1.42	0.42	-30.48	-29.94	-0.11	4.04	136.61	43.14	43.22	
136.53-2.69											
	715	1.30	-4.50	-25.89	-25.84	-4.55	-1.05	146.83	27.81	30.18	
144.45-16.63											
	804	2.84	-2.14	-38.56	-37.49	-3.21	-6.14	373.62	77.13	77.25	
373.50 5.94											
	800	2.84	-3.51	-43.71	-43.69	-3.52	0.77	354.43	76.42	76.54	
354.31-5.80											
751 15	713	3.66	24.67	-69.11	-31.49	-12.94	45.96	219.58	21.34	43.08	
197.8461.94											
	716	3.12	14.36	-59.80	-26.67	-18.76	36.87	225.51	22.31	49.31	
198.5168.97											

	806	2.92	7.40	-56.90	-35.19	-14.31	30.41	324.12	68.02	70.08	
322.0522.91											
	802	3.80	17.52	-73.43	-41.43	-14.48	43.43	334.41	61.30	68.96	
326.7445.12											
751 57	713	4.11	26.06	-83.29	-46.95	-10.28	51.51	80.08	-68.39	-10.21	
21.9072.48											
	716	3.58	15.30	-73.39	-42.00	-16.10	42.41	79.83	-77.08	-6.60	
9.3478.05											
	806	3.16	8.57	-75.59	-55.38	-11.64	35.95	138.45	4.96	11.13	
132.2828.03											
	802	4.15	18.19	-91.76	-61.75	-11.82	48.98	167.40	-4.58	12.63	
150.19 51.61											
751 133	713	2.94	17.50	-60.46	-34.56	-8.40	36.72	73.01	-36.11	-2.35	
39.2550.44											
	716	2.52	9.06	-52.79	-30.80	-12.92	29.60	73.01	-40.61	0.98	
31.4254.74											
	806	2.30	4.12	-54.42	-40.91	-9.38	24.66	132.73	12.36	15.41	
129.68 18.91											
	802	3.04	11.59	-66.89	-45.80	-9.50	34.79	151.47	6.16	16.28	
141.3536.99											
751 159	713	2.16	8.71	-43.95	-24.33	-10.90	25.46	176.85	27.18	33.30	
170.7329.64											
	716	1.71	-0.06	-36.32	-20.82	-15.56	17.94	181.59	30.93	39.29	
173.2334.49											
	806	2.09	-4.56	-35.80	-28.70	-11.66	13.09	284.03	56.98	57.31	
283.71 8.60											
	802	2.58	3.36	-48.57	-33.48	-11.74	23.58	287.05	53.46	56.39	
284.1226.00											
751 164	713	1.74	0.98	-37.01	-24.41	-11.62	17.89	186.55	31.78	33.42	
184.9015.87											
	716	1.60	-8.50	-28.97	-21.05	-16.42	9.97	191.65	37.61	40.33	
188.9320.29											
	806	2.17	-10.75	-31.36	-29.95	-12.16	5.21	311.23	59.89	59.90	
311.22 1.71											
	802	2.43	-3.84	-43.07	-34.71	-12.19	16.06	310.68	57.46	58.94	
309.1919.33											
751 165	713	2.35	3.66	-30.78	-13.77	-13.35	17.22	307.13	71.22	71.70	
306.66 10.61											
	716	2.42	-4.25	-24.38	-10.48	-18.15	9.31	316.42	78.43	79.52	
315.3316.08											
	806	2.98	-10.24	-19.55	-15.91	-13.88	4.54	438.07	101.36	101.37	
438.07 -1.63											
	802	3.00	-1.51	-33.02	-20.61	-13.92	15.40	432.09	98.80	99.50	
431.40 15.19											
751 208	713	1.75	0.56	-41.72	-29.39	-11.77	19.22	117.53	9.36	13.40	
113.4820.52											
	716	1.25	-9.46	-33.20	-26.20	-16.46	10.82	120.17	15.09	19.93	
115.3322.02											
	806	2.31	-10.35	-38.05	-36.61	-11.79	6.15	317.55	54.50	54.51	
317.53 2.19											
	802	2.71	-3.72	-49.45	-41.28	-11.89	17.52	321.27	52.94	54.45	
319.7720.07											
752 15	714	8.97	34.48	-232.06	-229.70	32.12	-24.98	217.06	-141.18	95.93	-
20.05-169.47											
	717	9.54	30.91	-236.66	-224.38	18.62	55.99	186.05	-211.23	-12.31	-
12.87-198.64											
	807	8.23	-7.71	-245.16	-245.16	-7.72	-1.25	84.97	-98.31	-15.21	
1.88-91.24											
	803	9.49	-9.33	-273.15	-273.08	-9.40	4.26	125.23	-56.20	69.18	-
0.15-83.83											
752 35	714	8.62	33.99	-228.81	-226.60	31.77	-24.01	176.22	-128.37	63.43	-
15.58-147.08											
	717	9.49	31.13	-234.16	-221.31	18.28	56.96	207.32	-251.11	-43.23	-
0.55-228.22											
	807	8.53	-8.06	-240.60	-240.60	-8.06	-0.28	93.45	-159.46	-74.57	
8.56-119.42											
	803	8.91	-9.64	-268.60	-268.49	-9.74	5.23	65.11	-58.57	8.25	-
1.72-61.64											
752 112	714	6.17	21.98	-159.71	-158.48	20.75	-14.87	150.33	-95.15	66.93	-
11.76-116.26											

	717	6.48	19.29	-162.32	-154.49	11.46	36.89	127.61	-140.59	-5.91	-7.07-134.10
	807	5.65	-5.35	-169.00	-168.99	-5.36	-1.19	58.89	-64.80	-7.12	1.22-61.70
	803	6.57	-6.45	-188.74	-188.68	-6.51	3.30	87.62	-37.92	49.85	-0.15-57.58
752 159	714	3.82	7.90	-99.31	-99.31	7.90	-0.76	96.27	-51.44	44.65	0.17-70.43
	717	3.73	4.96	-98.44	-95.64	2.16	16.80	77.23	-69.43	5.67	2.13-73.31
	807	3.52	-3.42	-105.36	-105.32	-3.46	-1.95	38.45	-30.21	7.77	0.47-34.14
	803	4.21	-4.09	-119.30	-119.20	-4.19	3.39	59.55	-20.91	38.92	-0.28-35.13
752 164	714	1.74	-0.46	-44.63	-40.13	-4.96	13.35	42.36	-7.89	22.37	12.10-24.59
	717	1.22	-6.79	-37.15	-36.79	-7.15	-3.29	27.16	1.42	17.25	11.33-12.52
	807	1.52	-1.38	-41.83	-41.65	-1.57	-2.70	24.40	-2.02	22.65	-0.27-6.57
	803	1.85	-1.61	-49.97	-49.72	-1.86	3.47	32.83	-5.25	27.99	-0.41-12.69
752 177	714	2.16	-0.53	-47.14	-42.94	-4.73	13.35	85.86	-34.41	41.54	9.90-58.02
	717	1.47	-6.59	-39.97	-39.64	-6.92	-3.30	62.25	-24.29	35.20	2.75-40.11
	807	1.93	-1.18	-46.21	-46.04	-1.34	-2.71	73.71	-21.88	57.41	-5.58-35.95
	803	2.33	-1.41	-54.30	-54.07	-1.64	3.46	89.94	-25.26	63.99	0.69-48.12
752 200	714	2.20	-0.29	-45.06	-40.40	-4.95	13.67	93.51	-38.86	53.34	1.31-60.86
	717	1.28	-6.88	-37.07	-36.77	-7.19	-3.02	32.32	-4.55	24.35	3.43-15.18
	807	1.72	-1.38	-41.55	-41.37	-1.56	-2.69	56.97	-3.60	54.22	-0.85-12.62
	803	2.18	-1.61	-50.11	-49.86	-1.86	3.48	79.98	-7.64	73.74	-1.40-22.52
753 5	715	1.47	-5.16	-29.09	-28.54	-5.70	3.57	163.16	22.47	22.93	162.70-8.00
	718	1.54	-4.03	-29.99	-26.24	-7.78	-9.13	167.33	7.50	7.55	167.27 2.92
	808	3.27	-1.16	-43.09	-39.97	-4.28	-11.01	435.01	78.11	78.63	434.4813.68
	804	3.23	-4.45	-43.29	-43.27	-4.47	0.93	422.59	77.86	78.10	422.36-8.97
753 79	715	2.83	12.75	-59.83	-38.97	-8.12	-32.85	119.24	-9.56	21.73	87.9555.24
	718	3.46	23.54	-71.72	-37.85	-10.33	-45.60	118.52	-7.61	19.55	91.3651.84
	808	3.66	23.14	-78.27	-48.57	-6.57	-46.15	250.65	43.14	51.40	242.3940.57
	804	2.91	11.86	-67.86	-49.48	-6.52	-33.58	242.71	46.81	49.43	240.0922.49
753 144	715	1.90	6.86	-41.74	-28.84	-6.04	-21.46	91.53	-0.69	16.66	74.1836.04
	718	2.39	15.06	-50.66	-27.86	-7.74	-31.28	92.30	-1.67	13.73	76.9034.79
	808	2.64	14.96	-56.05	-36.25	-4.85	-31.84	208.22	36.98	41.83	203.3728.41
	804	2.17	6.47	-48.50	-37.20	-4.84	-22.22	201.89	39.25	40.47	200.6614.05
753 158	715	1.07	-4.13	-21.96	-21.35	-4.74	3.25	116.92	15.91	16.24	116.58-5.77
	718	1.11	-3.57	-22.37	-19.57	-6.37	-6.69	119.89	5.12	5.15	119.87 1.77
	808	2.36	-1.20	-31.88	-29.55	-3.53	-8.13	313.95	56.26	56.66	313.5410.26
	804	2.34	-3.62	-32.15	-32.10	-3.67	1.19	305.05	56.12	56.32	

304.85-7.06 753 164	715	1.07	-4.10	-22.12	-21.49	-4.73	3.31	116.96	15.93	16.28
116.61-5.91	718	1.11	-3.62	-22.45	-19.71	-6.36	-6.64	119.94	5.25	5.28
119.91 1.70	808	2.35	-1.17	-31.35	-29.01	-3.51	-8.07	313.71	56.31	56.72
313.31 10.21	804	2.32	-3.60	-31.62	-31.57	-3.65	1.24	304.73	56.15	56.35
304.53-7.09 753 169	715	1.97	-3.30	-29.76	-29.39	-3.67	3.08	254.86	51.05	51.45
254.46-9.01	718	1.98	-3.35	-29.57	-27.62	-5.30	-6.87	255.73	39.71	39.72
255.72 1.53	808	3.32	-0.67	-41.06	-39.28	-2.45	-8.30	450.85	98.71	98.96
450.60 9.40	804	3.30	-2.56	-41.84	-41.82	-2.59	1.01	444.26	98.67	99.04
443.88-11.44 753 206	715	1.30	-3.79	-26.77	-25.86	-4.71	4.49	147.46	26.85	27.82
146.49-10.78	718	1.34	-4.44	-25.76	-23.90	-6.31	-6.03	150.56	14.14	14.16
150.56 1.45	808	2.85	-1.23	-35.93	-34.16	-3.00	-7.65	385.82	77.30	77.61
385.51 9.85	804	2.82	-3.02	-37.16	-37.01	-3.16	2.21	375.31	77.09	77.32
375.08-8.33 754 15	716	3.40	21.43	-66.93	-26.26	-19.24	44.04	219.38	28.85	49.80
198.4359.60	719	2.41	4.04	-49.34	-23.38	-21.92	26.68	217.54	30.26	52.96
194.84 61.12	810	2.55	3.13	-48.69	-31.47	-14.09	24.41	314.23	68.87	70.13
312.9817.50	806	3.56	18.10	-67.06	-34.69	-14.27	41.34	328.97	63.26	70.14
322.0942.20 754 57	716	3.79	20.73	-79.71	-42.68	-16.30	48.45	67.45	-65.27	-6.91
9.0965.88	719	2.81	3.42	-62.14	-39.73	-18.98	31.09	63.31	-68.56	-4.90
0.3465.90	810	2.72	3.59	-67.50	-52.76	-11.15	28.82	121.11	5.11	9.06
117.1621.03	806	3.81	17.24	-84.60	-56.04	-11.33	45.75	148.13	-5.80	10.22
132.1147.01 754 133	716	2.68	13.38	-57.71	-31.22	-13.11	34.37	64.15	-32.08	0.84
31.2245.65	719	1.92	-0.15	-44.08	-29.02	-15.21	20.85	60.45	-32.72	2.65
25.0945.21	810	1.97	0.32	-48.18	-38.80	-9.05	19.15	121.30	12.38	14.07
119.6113.47	806	2.78	10.86	-61.32	-41.30	-9.17	32.32	138.62	5.71	14.79
129.5433.54 754 159	716	1.90	5.35	-41.80	-20.52	-15.93	23.46	178.44	34.40	39.75
173.0927.24	719	1.54	-8.94	-27.79	-18.55	-18.18	9.42	177.48	37.84	42.79
172.5225.83	810	2.00	-8.09	-29.39	-25.93	-11.56	7.86	280.76	57.47	57.53
280.70 3.48	806	2.39	3.09	-43.02	-28.30	-11.63	21.49	285.99	54.90	57.29
283.6023.41 754 164	716	1.74	-3.15	-34.40	-20.75	-16.80	15.50	189.86	39.72	40.85
188.7213.02	719	1.65	-18.14	-20.02	-18.98	-19.18	0.93	190.47	43.73	44.36
189.84 9.63	810	2.15	-12.09	-27.26	-27.25	-12.11	-0.49	311.32	60.20	60.27
311.26-4.15	806	2.25	-4.68	-37.00	-29.54	-12.13	13.61	312.07	58.77	59.85
311.0016.48 754 169	716	2.57	3.57	-32.32	-10.02	-18.73	17.41	315.66	78.30	78.84
315.12 11.30	719	2.50	-7.65	-21.71	-8.25	-21.11	2.85	316.48	82.01	82.31
316.18 8.38										

	810	2.99	-12.18	-15.13	-13.27	-14.03	1.42	438.05	100.32	100.35	438.02-3.08
	806	3.07	0.74	-30.35	-15.55	-14.06	15.53	438.42	99.38	99.97	437.82 14.16
754 208	716	1.42	-4.39	-38.34	-25.90	-16.84	16.36	117.76	17.81	20.45	115.1116.04
	719	1.25	-18.82	-24.51	-24.17	-19.16	1.35	116.15	22.66	23.66	115.15 9.64
	810	2.20	-11.70	-33.91	-33.91	-11.70	-0.06	315.47	54.31	54.37	315.41-3.99
	806	2.49	-5.01	-42.95	-36.20	-11.76	14.52	318.35	53.38	54.46	317.2816.86
755 15	717	9.06	20.30	-227.69	-211.04	3.65	62.07	178.72	-220.14	-34.47	-6.95-198.96
	720	6.11	-4.94	-166.03	-153.21	-17.76	43.60	126.13	-222.03	-97.57	1.68-166.85
	811	6.25	-0.97	-166.90	-166.84	-1.03	-3.26	59.42	-144.49	-86.46	1.39-92.00
	807	7.96	-3.80	-236.33	-236.17	-3.96	6.09	81.72	-99.19	-17.81	0.34-90.00
755 35	717	9.05	19.82	-223.99	-207.48	3.31	61.26	209.87	-263.30	-59.97	6.54-234.24
	720	6.26	-5.41	-162.36	-149.67	-18.10	42.79	161.80	-281.53	-125.00	5.27-211.88
	811	6.56	-1.27	-161.52	-161.42	-1.37	-4.07	86.27	-226.65	-139.91	-0.46-140.07
	807	8.20	-4.18	-230.85	-230.72	-4.30	5.28	103.55	-164.13	-69.32	8.74-128.02
755 133	717	5.84	12.10	-154.33	-143.49	1.25	41.08	99.51	-135.27	-41.13	5.36-115.07
	720	4.07	-5.67	-112.49	-105.43	-12.73	26.53	95.20	-173.09	-83.73	5.85-126.45
	811	4.57	-1.07	-114.89	-114.80	-1.17	-3.30	42.65	-137.48	-94.73	-0.11-76.64
	807	5.62	-2.99	-159.93	-159.84	-3.08	3.75	28.35	-71.92	-48.42	4.85-42.47
755 159	717	3.65	2.44	-96.47	-91.20	-2.84	22.22	74.65	-72.36	-1.83	4.13-73.45
	720	2.51	-8.06	-74.78	-74.12	-8.72	6.60	50.82	-64.10	-20.59	7.31-55.74
	811	2.93	-1.28	-84.41	-84.30	-1.40	-3.07	25.04	-38.50	-13.70	0.24-31.00
	807	3.47	-2.08	-102.43	-102.31	-2.20	3.55	37.38	-30.52	6.91	-0.05-33.77
755 164	717	1.25	-6.91	-37.04	-36.79	-7.15	2.70	27.10	1.31	17.04	11.37-12.58
	720	1.61	-0.12	-45.50	-40.67	-4.95	-13.99	21.07	11.91	21.06	11.92 -0.21
	811	1.85	-1.61	-50.88	-50.62	-1.86	-3.51	26.69	-0.40	26.68	-0.39-0.58
	807	1.53	-1.38	-41.80	-41.62	-1.56	2.68	24.46	-2.08	22.68	-0.29-6.65
755 170	717	1.43	-6.71	-39.55	-39.32	-6.93	2.70	40.71	-3.64	34.21	2.8615.69
	720	2.00	-0.17	-47.73	-43.17	-4.73	-14.00	61.58	-12.65	39.44	9.5033.96
	811	2.28	-1.41	-54.70	-54.46	-1.64	-3.51	78.20	-15.73	61.91	0.5635.56
	807	1.89	-1.18	-45.65	-45.49	-1.34	2.68	64.49	-13.34	56.67	-5.5123.40
755 204	717	1.29	-6.99	-36.56	-36.36	-7.19	2.42	30.41	-3.81	23.41	3.19-13.80
	720	2.01	0.11	-45.57	-40.53	-4.94	-14.32	66.75	-14.79	51.21	0.7532.03
	811	2.14	-1.61	-50.43	-50.18	-1.86	-3.52	72.14	-2.06	71.46	-1.387.08
	807	1.70	-1.37	-40.93	-40.75	-1.56	2.67	53.58	-0.96	53.46	-0.83-2.64
756 15	718	2.74	8.20	-57.74	-39.40	-10.14	-29.55	131.23	-16.10	18.19	

96.9562.26	721	3.42	20.37	-71.14	-42.49	-8.29	-42.44	124.61	-12.62	22.58
89.4159.93	812	3.37	14.93	-77.33	-55.79	-6.61	-39.03	239.54	44.78	52.60
231.7138.25	808	2.74	5.92	-63.02	-50.76	-6.33	-26.35	250.13	52.06	53.68
248.5117.84										
756 79	718	3.19	16.13	-66.70	-40.54	-10.03	-38.51	124.51	-19.12	14.83
90.56 61.01	721	3.94	28.51	-80.19	-43.50	-8.18	-51.40	133.88	-13.84	20.80
99.2462.59	812	3.90	22.36	-86.28	-57.41	-6.50	-47.99	252.36	46.79	56.82
242.3344.28	808	3.03	12.85	-71.60	-52.52	-6.22	-35.31	244.94	53.57	56.06
242.4521.66										
756 144	718	2.19	9.50	-46.69	-29.65	-7.54	-25.83	96.86	-9.89	10.61
76.3642.05	721	2.77	19.04	-56.99	-31.87	-6.08	-35.76	103.85	-6.04	16.07
81.7344.06	812	2.80	14.51	-61.83	-42.50	-4.82	-33.20	208.23	39.37	45.39
202.2031.32	808	2.25	7.34	-50.83	-38.88	-4.62	-23.50	204.62	43.71	44.92
203.4013.94										
756 162	718	1.05	-5.64	-20.67	-19.97	-6.34	-3.17	119.35	3.80	4.68
118.4710.05	721	1.32	2.46	-28.92	-21.76	-4.70	-13.17	122.09	13.05	16.14
119.0018.09	812	2.39	0.15	-35.82	-32.04	-3.63	-11.02	308.10	56.41	57.29
307.2214.83	808	2.32	-3.37	-29.49	-29.38	-3.48	-1.69	311.92	57.13	57.17
311.89-2.95										
756 164	718	1.05	-6.26	-19.82	-19.72	-6.37	-1.18	120.82	4.51	5.43
119.8910.32	721	1.23	0.86	-27.12	-21.54	-4.72	-11.18	119.78	13.57	16.53
116.8217.50	812	2.36	-0.99	-34.34	-31.68	-3.65	-9.03	305.59	55.62	56.35
304.8613.49	808	2.32	-3.50	-29.00	-28.99	-3.50	0.30	313.29	56.58	56.64
313.23-3.80										
756 174	718	1.94	-5.24	-27.86	-27.77	-5.32	-1.39	254.72	39.42	39.78
254.36 8.78	721	2.03	0.63	-33.87	-29.57	-3.67	-11.39	257.51	49.43	51.44
255.4920.37	812	3.33	-0.55	-44.19	-42.14	-2.61	-9.25	446.06	98.78	99.68
445.1617.70	808	3.29	-2.46	-39.47	-39.47	-2.46	0.08	449.29	99.30	99.35
449.23-4.39										
756 210	718	1.28	-6.28	-23.81	-23.73	-6.36	-1.23	150.29	13.54	14.23
149.60 9.70	721	1.43	0.57	-31.03	-25.72	-4.74	-11.82	149.56	24.12	27.89
145.79 21.41	812	2.83	-0.71	-39.35	-36.87	-3.19	-9.47	373.80	76.18	76.86
373.1214.27	808	2.81	-3.01	-33.89	-33.88	-3.02	0.44	383.13	77.03	77.08
383.08-3.90										
757 15	719	2.67	10.91	-56.17	-23.35	-21.91	33.53	211.52	36.22	52.89
194.8451.43	722	1.85	-5.11	-38.52	-25.10	-18.53	16.38	205.45	31.69	49.92
187.2253.25	814	2.36	-3.09	-45.33	-34.45	-13.97	18.47	300.18	67.66	68.29
299.5512.05	810	3.15	13.49	-59.06	-31.49	-14.08	35.22	318.48	64.72	70.14
313.0636.70										
757 57	719	3.00	8.85	-68.05	-40.21	-18.99	36.96	50.60	-57.10	-5.97
0.5353.78	722	2.16	-5.00	-52.59	-41.99	-15.60	19.80	43.67	-59.80	-8.78
7.3651.73	814	2.48	-2.21	-65.31	-56.47	-11.04	21.90	106.42	4.11	6.22
104.3014.56										

	810	3.33	11.74	-76.38	-53.49	-11.15	38.64	130.04	-5.12	7.92
117.0139.90										
757 133	719	2.07	4.15	-48.70	-29.34	-15.21	25.46	51.35	-24.46	1.94
24.95 36.11										
	722	1.43	-6.60	-36.82	-30.78	-12.63	12.08	45.77	-25.88	-0.42
20.3034.30										
	814	1.81	-3.96	-46.66	-41.63	-8.98	13.76	111.75	11.42	12.12
111.05 8.35										
	810	2.42	6.61	-54.95	-39.29	-9.05	26.80	126.44	6.39	13.32
119.5128.00										
757 162	719	1.67	-13.25	-24.79	-18.84	-19.20	5.76	188.75	43.94	44.01
188.69 3.04										
	722	1.66	-9.74	-27.83	-20.80	-16.77	-8.82	190.75	41.34	41.34
190.75-0.35										
	814	2.18	-9.88	-32.03	-29.75	-12.15	-6.72	313.38	60.11	60.40
313.09-8.57										
	810	2.16	-9.07	-30.12	-27.08	-12.12	7.40	310.75	59.33	59.91
310.1712.05										
757 164	719	1.68	-12.89	-25.26	-18.98	-19.18	6.18	189.85	44.33	44.36
189.82 1.96										
	722	1.64	-10.18	-27.50	-20.93	-16.75	-8.40	189.09	40.75	40.76
189.07-1.44										
	814	2.17	-10.12	-31.91	-29.90	-12.13	-6.30	311.82	59.39	59.80
311.41-10.16										
	810	2.17	-8.78	-30.55	-27.24	-12.10	7.82	311.74	59.85	60.28
311.3010.47										
757 169	719	2.54	-4.16	-25.49	-8.56	-21.09	8.63	316.10	81.64	81.70
316.04 3.71										
	722	2.40	-7.33	-21.80	-10.46	-18.67	-5.96	308.83	76.60	76.61
308.82 1.21										
	814	2.94	-11.14	-19.18	-16.27	-14.05	-3.86	431.78	97.47	97.68
431.56-8.52										
	810	3.02	-3.57	-24.09	-13.65	-14.01	10.26	438.33	99.29	99.68
437.93 11.57										
757 208	719	1.29	-14.59	-28.74	-24.17	-19.16	6.61	115.28	23.60	23.72
115.16 3.26										
	722	1.28	-11.78	-31.03	-26.06	-16.75	-8.42	114.64	19.86	19.97
114.53-3.20										
	814	2.32	-10.19	-38.06	-36.51	-11.73	-6.38	316.24	53.42	53.82
315.83-10.31										
	810	2.28	-8.99	-36.61	-33.91	-11.69	8.21	315.86	53.97	54.40
315.4310.54										
758 15	720	6.20	-2.16	-163.74	-148.08	-17.82	47.80	122.86	-226.34	-97.12	-
6.36-168.60										
	723	4.53	-13.80	-115.70	-115.65	-13.86	2.42	116.39	-214.34	-87.44	-
10.51-160.83										
	815	5.32	-0.91	-137.35	-137.16	-1.09	-4.99	55.62	-145.37	-90.18	
0.44-89.70										
	811	6.13	-0.22	-165.50	-165.41	-0.31	3.82	58.98	-139.35	-83.45	
3.07-89.23										
758 57	720	6.08	-2.91	-160.67	-145.47	-18.11	46.55	124.92	-297.30	-163.38	-
9.01-196.49										
	723	5.06	-14.14	-113.00	-112.99	-14.15	1.17	140.92	-278.06	-148.82	
11.68-193.51										
	815	5.87	-1.09	-133.96	-133.67	-1.39	-6.24	76.36	-223.57	-166.79	
19.59-117.50										
	811	6.58	-0.56	-162.00	-161.96	-0.60	2.57	56.17	-223.47	-164.93	-
2.37-113.76										
758 133	720	4.12	-3.56	-111.61	-102.48	-12.69	30.04	85.29	-195.78	-106.09	-
4.40-131.01										
	723	3.59	-9.52	-81.82	-81.80	-9.54	-1.24	95.00	-180.18	-94.66	
9.49-127.36										
	815	4.18	-1.04	-98.68	-98.46	-1.26	-4.64	51.28	-144.29	-105.98	
12.96-77.62										
	811	4.59	-0.64	-114.92	-114.88	-0.67	1.96	38.24	-146.22	-106.36	-
1.62-75.92										
758 159	720	2.53	-6.47	-74.83	-72.76	-8.54	11.72	49.83	-65.48	-20.37	
4.72-56.28										
	723	2.41	-4.10	-67.05	-66.08	-5.07	-7.76	44.06	-50.13	-9.79	

3.72-46.60											
	815	2.92	-1.64	-85.62	-85.46	-1.81	-3.71	23.08	-31.23	-7.88	-
0.27-26.89											
	811	2.89	-1.20	-84.58	-84.51	-1.26	2.33	24.96	-36.65	-12.52	
0.83-30.07											
758 164	720	1.48	-3.14	-42.74	-41.29	-4.59	-7.44	21.18	12.07	21.18	
12.07-0.14											
	723	2.06	3.58	-52.95	-48.58	-0.80	-15.11	39.80	7.10	34.15	
12.7512.36											
	815	2.57	-2.35	-70.32	-70.13	-2.54	-3.61	39.84	-1.43	39.15	-
0.735.32											
	811	1.88	-1.98	-51.91	-51.84	-2.05	1.87	27.00	-0.35	26.99	-
0.34-0.58											
758 170	720	1.98	-3.08	-45.89	-44.56	-4.42	-7.44	83.06	-15.19	54.38	
13.4944.67											
	723	2.66	3.50	-55.96	-51.83	-0.62	-15.11	101.07	-36.40	64.63	
0.0560.68											
	815	3.11	-2.19	-74.98	-74.80	-2.37	-3.61	100.05	-33.85	77.98	-
11.7849.68											
	811	2.33	-1.81	-56.59	-56.53	-1.87	1.87	87.62	-16.80	68.54	
2.2840.35											
758 204	720	1.84	-2.99	-42.74	-41.16	-4.57	-7.77	66.24	-12.76	55.43	-
1.9427.16											
	723	2.71	3.73	-53.23	-48.74	-0.75	-15.34	118.67	-25.07	95.13	-
1.5453.19											
	815	3.05	-2.36	-70.26	-70.07	-2.55	-3.62	111.65	-6.42	107.52	-
2.2921.68											
	811	2.18	-1.98	-51.48	-51.41	-2.05	1.86	77.48	-3.81	74.54	-
0.8715.18											
759 15	721	3.14	13.92	-64.54	-42.53	-8.09	-35.25	132.37	-20.11	23.13	
89.1368.73											
	724	3.44	22.02	-72.35	-47.93	-2.40	-41.32	116.28	-8.79	29.58	
77.9157.68											
	816	3.37	11.02	-83.05	-64.97	-7.06	-37.06	216.71	43.24	51.11	
208.8436.10											
	812	2.84	6.05	-69.01	-56.33	-6.63	-28.12	233.11	50.40	52.43	
231.09 19.13											
759 79	721	3.70	21.21	-75.12	-46.07	-7.84	-44.21	145.02	-16.17	28.83	
100.0372.31											
	724	4.00	29.24	-82.72	-51.34	-2.15	-50.29	133.10	-2.25	36.44	
94.40 61.16											
	816	3.94	17.46	-94.13	-69.86	-6.80	-46.03	235.09	48.02	57.81	
225.2941.66											
	812	3.27	12.30	-80.03	-61.36	-6.38	-37.09	245.24	54.69	57.98	
241.9524.80											
759 144	721	2.58	13.55	-52.97	-33.58	-5.83	-30.22	111.44	-7.70	21.68	
82.0651.35											
	724	2.80	19.76	-58.82	-37.63	-1.43	-34.87	101.60	4.18	28.22	
77.5642.01											
	816	2.82	10.91	-67.64	-51.66	-5.06	-31.62	194.54	40.25	46.00	
188.7929.22											
	812	2.41	7.04	-56.98	-45.19	-4.74	-24.81	203.48	44.44	46.15	
201.77 16.41											
759 162	721	1.16	-1.69	-25.14	-22.33	-4.50	-7.61	123.43	14.01	19.76	
117.6824.41											
	724	1.37	4.77	-31.03	-26.31	0.06	-12.11	114.52	29.79	31.00	
113.3110.04											
	816	2.45	-1.74	-41.39	-39.25	-3.89	-8.97	293.71	56.83	57.45	
293.0912.06											
	812	2.37	-3.40	-33.49	-33.26	-3.63	-2.64	305.93	57.48	57.49	
305.93 0.30											
759 164	721	1.07	-2.87	-23.23	-21.54	-4.56	-5.62	120.72	13.04	18.50	
115.2623.62											
	724	1.29	3.52	-29.07	-25.55	1.28e-03	-10.12	110.71	28.41	29.47	
109.65 9.27											
	816	2.39	-2.58	-39.53	-38.16	-3.94	-6.98	289.94	55.46	55.96	
289.4410.82											
	812	2.33	-3.67	-32.16	-32.14	-3.69	-0.65	303.52	56.25	56.25	
303.51-0.96											

759	174	721	1.96	-1.11	-32.98	-30.48	-3.61	-8.56	260.90	57.50	62.68
255.7232.02											
		724	2.11	5.25	-38.75	-34.45	0.96	-13.05	238.53	69.12	70.97
236.6817.62											
		816	3.33	-0.99	-52.17	-50.17	-2.99	-9.92	417.15	96.63	97.34
416.4415.04											
		812	3.35	-2.42	-44.50	-44.19	-2.73	-3.59	443.99	100.28	100.31
443.95 3.30											
759	210	721	1.28	-2.87	-27.44	-25.72	-4.59	-6.27	150.04	24.09	30.31
143.8327.28											
		724	1.49	3.75	-33.70	-29.89	-0.06	-11.33	138.12	41.34	43.08
136.3812.88											
		816	2.85	-2.01	-45.22	-43.69	-3.54	-8.00	353.72	75.61	76.10
353.23 11.62											
		812	2.81	-3.20	-37.38	-37.34	-3.23	-1.09	371.46	76.74	76.74
371.46-0.08											
760	5	722	2.12	-20.31	-29.87	-28.40	-21.79	-3.45	257.76	53.95	54.61
257.11-11.52											
		725	2.06	-7.92	-40.53	-33.01	-15.44	-13.73	252.46	44.85	45.02
252.29-5.95											
		818	3.09	-12.73	-51.91	-48.41	-16.23	-11.18	424.49	79.41	80.26
423.64-17.12											
		814	2.93	-15.81	-42.15	-41.78	-16.17	3.08	425.40	81.41	81.51
425.29 6.05											
760	29	722	1.97	-14.20	-56.07	-53.25	-17.02	-10.48	-24.43	-77.94	-39.22	-
63.15-23.93											
		725	2.45	-2.97	-65.83	-58.08	-10.73	-20.67	-24.50	-65.96	-44.40	-
46.06-20.71											
		818	3.32	-7.16	-85.84	-81.42	-11.58	-18.11	122.29	-20.08	-15.48	
117.69-25.19											
		814	2.76	-11.27	-74.83	-74.59	-11.52	-3.97	97.18	-18.61	-18.61	
97.18-0.07											
760	119	722	1.38	-11.51	-40.36	-38.33	-13.53	-7.37	-1.59	-36.05	-20.78	-
16.86-17.12											
		725	1.77	-2.80	-47.91	-42.02	-8.69	-15.20	1.73	-32.85	-25.16	-
5.96-14.38											
		818	2.47	-6.04	-62.31	-59.01	-9.35	-13.23	122.57	-5.20	-2.46	
119.83-18.52											
		814	2.05	-9.17	-53.89	-53.77	-9.30	-2.36	106.35	-4.43	-4.43	
106.34 0.57											
760	163	722	1.58	-14.72	-23.12	-21.44	-16.40	-3.36	191.36	40.50	40.97	
190.90-8.38											
		725	1.56	-5.22	-31.31	-24.97	-11.57	-11.19	187.76	34.09	34.19	
187.66-3.93											
		818	2.28	-9.06	-38.90	-35.73	-12.24	-9.19	312.95	59.24	59.85	
312.35-12.35											
		814	2.17	-12.05	-30.77	-30.63	-12.19	1.62	313.41	60.55	60.66	
313.30 5.25											
760	164	722	1.57	-15.05	-22.55	-21.22	-16.38	-2.86	189.77	39.72	40.22	
189.26 -8.71											
		725	1.53	-5.58	-30.72	-24.76	-11.54	-10.69	185.73	33.21	33.33	
185.61-4.28											
		818	2.26	-9.31	-38.31	-35.42	-12.21	-8.69	310.95	58.27	58.93	
310.29-12.96											
		814	2.16	-11.92	-30.57	-30.32	-12.16	2.13	311.74	59.77	59.86	
311.65 4.65											
760	174	722	2.41	-8.39	-20.31	-10.62	-18.08	-4.65	316.81	79.72	79.86	
316.68-5.57											
		725	2.30	-1.18	-26.16	-14.09	-13.25	-12.48	308.41	72.05	72.05	
308.41-0.10											
		818	2.96	-6.47	-28.67	-21.22	-13.91	-10.48	433.83	99.69	99.97	
433.55-9.59											
		814	2.98	-13.82	-16.24	-16.20	-13.87	0.34	439.71	101.63	101.80	
439.53 7.61											
760	212	722	1.19	-15.44	-27.19	-26.26	-16.38	-3.19	115.67	18.66	19.61	
114.71-9.59											
		725	1.36	-6.04	-35.24	-29.64	-11.64	-11.49	113.90	12.43	13.08	
113.25-8.10											
		818	2.52	-9.06	-44.65	-41.83	-11.88	-9.60	319.73	53.38	54.04	

319.07-13.25											
	814	2.28	-11.65	-36.93	-36.81	-11.77	1.72	316.25	54.01	54.09	
316.17 4.60											
761 15	723	4.40	-10.13	-117.20	-116.02	-11.31	11.17	117.77	-216.40	-85.10	-
13.53-163.21											
	726	4.54	-0.15	-104.86	-104.39	-0.62	-7.03	138.64	-213.58	-62.35	-
12.59-174.34											
	819	5.45	-2.93	-146.43	-146.26	-3.09	-4.87	65.94	-133.52	-68.04	
0.46-93.67											
	815	5.35	-1.77	-141.50	-141.48	-1.79	1.74	57.70	-142.50	-86.82	
2.02-89.70											
761 57	723	5.06	-10.25	-114.65	-113.72	-11.18	9.83	131.82	-298.91	-170.95	
3.86-196.83											
	726	5.26	0.18	-102.76	-102.08	-0.50	-8.37	140.58	-306.83	-151.84	-
14.42-212.89											
	819	6.17	-2.69	-143.21	-142.94	-2.97	-6.21	72.53	-250.34	-173.60	-
4.20-137.43											
	815	6.07	-1.67	-138.12	-138.11	-1.67	0.40	77.83	-250.22	-188.76	
16.37-128.01											
761 133	723	3.57	-7.15	-82.76	-82.36	-7.55	5.48	88.91	-193.94	-109.31	
4.28-129.52											
	726	3.68	0.52	-75.68	-75.12	-0.04	-6.48	94.28	-196.75	-94.34	-
8.13-138.98											
	819	4.42	-2.19	-106.69	-106.49	-2.39	-4.54	48.83	-160.41	-108.62	-
2.96-90.30											
	815	4.31	-1.47	-101.60	-101.60	-1.47	0.49	52.27	-161.94	-120.50	
10.83-84.61											
761 163	723	2.02	0.73	-51.97	-50.51	-0.73	-8.64	48.77	3.95	38.92	
13.8118.56											
	726	2.30	3.14	-55.34	-54.40	2.21	-7.33	69.02	-1.51	55.63	
11.8927.66											
	819	3.23	-2.91	-86.30	-86.14	-3.07	-3.63	62.19	-4.03	58.41	-
0.2615.36											
	815	2.71	-2.68	-73.62	-73.61	-2.70	1.07	47.72	-2.12	45.11	
0.49 11.11											
761 164	723	1.92	0.57	-50.41	-49.11	-0.73	-8.03	40.75	6.98	34.92	
12.8012.76											
	726	2.21	3.02	-53.84	-53.04	2.21	-6.73	61.34	1.41	51.62	
11.1322.09											
	819	3.12	-2.96	-84.08	-83.97	-3.07	-3.02	55.08	-2.91	53.33	-
1.179.91											
	815	2.61	-2.65	-71.44	-71.40	-2.70	1.67	40.75	-1.31	40.04	-
0.595.43											
761 178	723	2.50	0.33	-52.88	-51.74	-0.81	-7.70	108.30	-11.94	93.86	
2.4939.08											
	726	2.77	2.83	-56.34	-55.64	2.13	-6.39	134.64	-8.80	112.91	
12.9251.42											
	819	3.77	-3.06	-87.97	-87.88	-3.15	-2.69	139.20	-10.59	125.97	
2.6442.50											
	815	3.24	-2.72	-75.43	-75.37	-2.77	2.01	119.68	-18.21	110.33	-
8.8634.67											
761 204	723	2.50	0.70	-50.63	-49.26	-0.67	-8.26	115.91	-21.22	96.14	-
1.4548.17											
	726	2.83	3.03	-54.29	-53.45	2.19	-6.88	148.39	-32.39	111.06	
4.9573.18											
	819	3.65	-2.95	-84.23	-84.12	-3.07	-3.02	135.92	-11.69	126.85	-
2.6235.45											
	815	3.08	-2.66	-71.39	-71.35	-2.70	1.68	116.18	-9.28	108.93	-
2.0329.27											
762 5	724	1.66	1.66	-35.07	-34.23	0.83	-5.47	156.07	38.47	41.62	
152.9218.99											
	727	1.94	6.95	-37.70	-37.70	6.95	-0.31	145.29	31.70	31.95	
145.04-5.29											
	820	3.38	-5.07	-57.90	-57.90	-5.07	-0.53	389.34	74.84	74.98	
389.20 6.72											
	816	3.31	-4.83	-52.63	-52.55	-4.90	1.93	401.58	77.56	77.66	
401.48 -5.71											
762 73	724	2.17	9.39	-50.84	-42.71	1.25	-20.59	177.94	48.35	52.98	
173.3024.06											

	727	2.46	11.56	-50.16	-45.92	7.32	-15.62	177.22	45.97	45.98	
177.22 0.68											
	820	3.88	-0.92	-74.41	-70.82	-4.51	-15.84	413.06	87.15	88.01	
412.2016.73											
	816	3.75	-1.63	-68.44	-65.72	-4.35	-13.20	412.28	88.29	88.33	
412.24 3.74											
762 141	724	1.60	6.22	-37.26	-31.92	0.87	-14.28	133.56	35.90	39.31	
130.1517.92											
	727	1.82	8.11	-36.99	-34.41	5.53	-10.47	131.98	33.77	33.77	
131.98-0.08											
	820	2.90	-1.36	-55.11	-52.92	-3.55	-10.64	312.78	65.34	65.91	
312.22 11.85											
	816	2.81	-1.86	-50.54	-48.97	-3.43	-8.60	313.46	66.36	66.37	
313.44 1.89											
762 162	724	1.28	1.71	-28.39	-27.08	0.39	-6.15	115.95	29.08	31.71	
113.3214.89											
	727	1.49	5.17	-29.86	-29.69	5.00	-2.44	109.12	25.34	25.46	
109.00 -3.17											
	820	2.52	-3.83	-44.82	-44.66	-4.00	-2.58	286.06	56.24	56.43	
285.88 6.54											
	816	2.46	-3.86	-40.56	-40.56	-3.87	-0.50	293.40	57.95	58.00	
293.35-3.22											
762 164	724	1.22	0.93	-26.51	-25.87	0.29	-4.14	112.05	27.51	29.94	
109.62 14.13											
	727	1.43	4.90	-28.52	-28.51	4.90	-0.42	103.97	23.21	23.40	
103.77-3.98											
	820	2.45	-4.09	-42.82	-42.81	-4.10	-0.56	280.76	54.15	54.27	
280.64 5.22											
	816	2.39	-3.91	-38.75	-38.68	-3.97	1.51	289.71	56.04	56.13	
289.63-4.49											
762 174	724	2.07	2.89	-37.39	-35.69	1.19	-8.10	239.78	72.30	74.78	
237.3020.22											
	727	2.25	6.23	-38.71	-38.28	5.80	-4.39	227.84	67.49	67.51	
227.83 1.51											
	820	3.39	-2.81	-56.93	-56.54	-3.19	-4.53	404.73	96.76	97.07	
404.42 9.77											
	816	3.36	-2.95	-52.58	-52.46	-3.07	-2.45	417.05	99.65	99.65	
417.05 0.58											
762 210	724	1.42	1.14	-31.12	-30.21	0.23	-5.35	139.45	40.44	43.55	
136.3417.27											
	727	1.64	4.95	-33.08	-32.96	4.83	-2.13	128.41	34.78	34.79	
128.40-0.92											
	820	2.88	-3.65	-48.72	-48.62	-3.75	-2.15	340.50	73.31	73.44	
340.37 5.86											
	816	2.85	-3.57	-44.22	-44.22	-3.57	0.49	353.47	76.22	76.27	
353.42-3.75											
763 5	725	1.93	-13.30	-35.10	-33.31	-15.09	-5.98	253.48	43.65	44.68	
252.45-14.66											
	728	1.93	-8.73	-36.94	-35.08	-10.59	-7.00	241.82	37.70	37.72	
241.81 1.75											
	822	3.10	-13.97	-54.29	-52.08	-16.19	-9.19	414.41	77.41	78.23	
413.58-16.66											
	818	2.99	-16.29	-48.99	-48.99	-16.29	0.10	424.44	80.49	80.50	
424.42 2.54											
763 51	725	2.23	-9.88	-61.20	-59.81	-11.27	-8.33	-32.52	-88.98	-55.87	-
65.63-27.81											
	728	2.33	-5.28	-63.35	-61.81	-6.82	-9.33	-39.00	-68.67	-57.58	-
50.09-14.35											
	822	3.44	-10.75	-90.37	-88.68	-12.44	-11.47	118.53	-28.74	-24.45	
114.24-24.76											
	818	3.16	-12.46	-85.42	-85.35	-12.53	-2.26	98.60	-27.54	-27.45	
98.52-3.24											
763 130	725	1.60	-7.93	-44.29	-43.21	-9.01	-6.18	-4.75	-47.08	-32.83	-
18.99-20.00											
	728	1.69	-4.39	-45.93	-44.73	-5.59	-6.95	-6.52	-37.79	-34.64	-
9.67-9.42											
	822	2.55	-8.59	-65.55	-64.22	-9.92	-8.59	119.14	-11.22	-8.63	
116.55-18.19											
	818	2.34	-9.94	-61.73	-61.68	-9.98	-1.51	107.15	-10.45	-10.42	

107.12	-1.88										
763	163	725	1.45	-9.58	-27.06	-25.32	-11.32	-5.23	188.53	33.54	34.27
187.81	-10.57										
		728	1.46	-6.15	-28.46	-26.70	-7.90	-6.01	180.53	29.39	29.40
180.51	1.59										
		822	2.30	-10.20	-40.85	-38.82	-12.22	-7.61	306.13	58.22	58.81
305.54	-12.06										
		818	2.20	-12.28	-36.41	-36.39	-12.30	-0.57	312.97	60.32	60.35
312.95	2.67										
763	164	725	1.43	-9.81	-26.45	-24.99	-11.27	-4.71	186.48	32.30	33.08
185.70	-10.97										
		728	1.44	-6.35	-27.88	-26.37	-7.86	-5.50	177.88	28.11	28.12
177.88	1.16										
		822	2.27	-10.37	-40.09	-38.29	-12.18	-7.09	303.56	56.83	57.48
302.91	-12.64										
		818	2.18	-12.25	-35.86	-35.86	-12.25	-0.06	310.84	59.09	59.11
310.83	2.09										
763	174	725	2.17	-9.46	-18.02	-14.81	-12.67	-4.14	308.87	73.06	73.16
308.77	-4.90										
		728	1.99	-6.68	-18.69	-16.12	-9.26	-4.93	292.15	66.08	66.39
291.84	8.36										
		822	2.82	-10.48	-27.32	-24.22	-13.58	-6.53	417.55	97.94	98.15
417.34	-8.10										
		818	2.91	-13.62	-21.90	-21.87	-13.65	0.51	434.47	101.49	101.59
434.37	5.70										
763	212	725	1.24	-9.87	-31.38	-29.87	-11.38	-5.50	115.12	11.06	12.84
113.34	-13.51										
		728	1.34	-6.21	-32.84	-30.98	-8.07	-6.79	108.97	8.09	8.24
108.81	-3.97										
		822	2.57	-9.80	-46.65	-44.52	-11.93	-8.61	318.39	53.18	53.83
317.74	-13.16										
		818	2.43	-11.89	-42.31	-42.28	-11.92	-1.02	319.66	54.22	54.23
319.65	1.68										
764	15	726	4.32	0.69	-105.98	-105.87	0.57	3.48	138.40	-214.86	-63.29
13.17	-174.84										
		729	3.99	6.15	-94.62	-93.66	5.18	9.80	160.22	-208.69	-42.52
5.95	-183.55										
		823	5.22	-4.16	-144.81	-144.73	-4.24	-3.22	77.99	-120.85	-43.84
0.98	-96.86										
		819	5.46	-3.76	-149.55	-149.53	-3.78	1.91	67.17	-133.67	-67.45
0.95	-94.42										
764	57	726	5.09	0.78	-103.07	-103.01	0.72	2.49	154.44	-326.13	-154.95
16.74	-230.13										
		729	4.68	6.13	-91.66	-90.86	5.33	8.81	194.57	-330.72	-133.39
2.76	-254.40										
		823	6.12	-3.96	-140.25	-140.12	-4.09	-4.21	99.10	-273.00	-169.73
4.17	-166.62										
		819	6.26	-3.63	-144.85	-144.85	-3.64	0.92	74.20	-276.54	-194.12
8.22	-148.71										
764	133	726	3.55	0.84	-75.85	-75.81	0.80	1.75	103.52	-209.45	-96.13
9.80	-150.41										
		729	3.23	4.62	-67.79	-67.14	3.96	6.85	130.32	-212.57	-81.30
0.95	-166.67										
		823	4.36	-3.07	-104.10	-104.00	-3.16	-3.08	66.57	-175.49	-105.99
2.93	-109.51										
		819	4.48	-2.84	-107.86	-107.85	-2.85	0.91	49.98	-177.73	-122.14
5.61	-97.82										
764	159	726	2.35	1.60	-65.65	-65.61	1.57	1.53	51.05	-40.29	9.38
1.38	-45.49										
		729	2.36	4.33	-59.98	-59.12	3.47	7.41	59.45	-39.42	18.23
1.80	-48.75										
		823	3.17	-3.20	-93.31	-93.26	-3.25	-2.23	34.62	-19.11	15.84
0.32	-25.62										
		819	3.29	-3.03	-97.84	-97.80	-3.07	1.87	30.32	-22.14	8.44
0.25	-25.87										
764	164	726	2.16	2.43	-53.52	-53.51	2.43	0.66	63.36	0.60	53.78
10.18	22.57										
		729	2.06	4.07	-50.23	-49.23	3.07	7.30	65.38	-1.53	57.18
6.67	21.95										
		823	2.97	-3.20	-79.49	-79.43	-3.25	-2.03	56.15	-3.56	53.74

1.1411.77											
	819	3.14	-3.13	-84.70	-84.64	-3.19	2.18	56.28	-2.71	54.57	-
1.009.89											
764 178	726	2.77	2.37	-57.11	-57.10	2.36	0.76	146.56	-15.91	117.52	
13.1262.24											
	729	2.62	3.98	-53.72	-52.75	3.01	7.41	154.77	-29.09	120.36	
5.32 71.71											
	823	3.80	-3.27	-85.14	-85.09	-3.31	-1.93	163.98	-19.98	140.98	
3.0260.85											
	819	3.91	-3.19	-90.44	-90.38	-3.25	2.29	158.11	-9.83	142.37	
5.9248.95											
764 204	726	2.66	2.39	-53.88	-53.87	2.38	0.50	144.98	-28.19	110.38	
6.4169.25											
	729	2.51	3.82	-50.80	-49.91	2.93	6.91	172.59	-56.73	104.52	
11.34104.77											
	823	3.53	-3.17	-79.97	-79.91	-3.23	-2.05	143.46	-21.30	125.07	-
2.9151.88											
	819	3.65	-3.12	-84.82	-84.76	-3.18	2.19	139.77	-16.12	126.48	-
2.8343.53											
765 5	727	2.06	8.83	-39.75	-38.44	7.52	7.89	147.17	29.47	29.49	
147.15 1.50											
	730	2.38	16.65	-43.85	-35.69	8.49	20.66	135.17	6.52	6.86	
134.82 6.61											
	824	3.22	-2.66	-56.31	-53.62	-5.35	11.70	363.72	67.72	67.82	
363.62 5.45											
	820	3.43	-2.98	-60.33	-58.19	-5.11	10.86	392.96	75.30	75.80	
392.46-12.58											
765 73	727	2.49	9.32	-51.82	-50.91	8.42	-7.37	180.90	48.01	48.73	
180.18 9.76											
	730	2.54	9.82	-48.33	-47.88	9.38	5.09	176.85	26.96	28.27	
175.5413.95											
	824	3.76	-4.01	-72.23	-72.02	-4.22	-3.76	396.42	85.02	85.84	
395.6015.97											
	820	4.00	-3.74	-77.08	-76.82	-4.01	-4.38	416.04	92.15	92.16	
416.03 -1.77											
765 141	727	1.85	6.71	-38.20	-37.82	6.32	-4.13	134.61	34.93	35.38	
134.16 6.67											
	730	1.91	7.73	-36.20	-35.52	7.05	5.43	130.74	18.70	19.57	
129.87 9.82											
	824	2.81	-3.35	-53.34	-53.30	-3.39	-1.37	299.22	63.24	63.77	
298.69 11.18											
	820	2.99	-3.16	-57.01	-56.95	-3.22	-1.83	315.11	68.73	68.76	
315.08-2.46											
765 162	727	1.57	5.90	-31.21	-30.80	5.50	3.88	110.68	24.35	24.42	
110.62 2.37											
	730	1.76	10.67	-33.15	-28.67	6.20	13.27	102.89	8.05	8.31	
102.63 4.99											
	824	2.41	-3.03	-43.32	-42.23	-4.12	6.54	268.57	51.74	51.88	
268.44 5.45											
	820	2.57	-3.07	-46.53	-45.64	-3.96	6.15	288.61	57.19	57.47	
288.32 -8.15											
765 164	727	1.52	6.30	-30.03	-29.05	5.32	5.88	105.29	21.66	21.68	
105.27 1.27											
	730	1.74	12.01	-32.96	-26.97	6.02	15.28	96.51	5.23	5.40	
96.34 3.91											
	824	2.34	-2.34	-41.63	-39.67	-4.29	8.54	262.24	49.03	49.10	
262.16 4.05											
	820	2.49	-2.49	-44.68	-43.04	-4.13	8.16	283.39	54.47	54.87	
282.99-9.57											
765 174	727	2.33	6.23	-39.71	-39.69	6.21	0.94	229.27	62.04	62.65	
228.6710.03											
	730	2.36	9.20	-39.86	-37.57	6.91	10.33	205.80	42.19	43.36	
204.6313.77											
	824	3.18	-3.15	-55.05	-54.80	-3.40	3.60	371.21	89.02	89.31	
370.92 9.12											
	820	3.44	-3.05	-58.39	-58.20	-3.24	3.21	406.95	98.00	98.10	
406.86-5.43											
765 210	727	1.71	5.71	-33.96	-33.52	5.26	4.18	130.42	32.49	32.66	
130.25 4.09											

	730	1.90	10.14	-35.60	-31.41	5.95	13.19	119.34	12.06	13.21	
118.19 11.05											
	824	2.71	-3.05	-46.59	-45.62	-4.02	6.42	315.91	66.66	66.79	
315.78 5.70											
	820	2.91	-2.84	-49.79	-48.85	-3.78	6.57	343.30	73.77	74.06	
343.01-8.83											
766 5	728	1.90	-10.42	-35.18	-35.14	-10.46	1.01	242.28	37.66	37.88	
242.07-6.67											
	731	1.75	-9.59	-32.04	-31.49	-10.14	3.47	225.31	34.13	35.08	
224.3513.44											
	826	2.79	-14.97	-47.97	-47.21	-15.72	-4.93	386.73	72.64	73.36	
386.01-15.01											
	822	3.02	-16.13	-52.44	-52.31	-16.26	2.21	413.79	78.33	78.36	
413.77 2.98											
766 51	728	2.25	-7.18	-60.56	-60.26	-7.49	-4.04	-27.66	-83.93	-61.06	-
50.53-27.64											
	731	2.10	-7.14	-56.95	-56.90	-7.19	-1.59	-25.12	-58.99	-55.87	-
28.24-9.79											
	826	3.29	-11.44	-84.95	-83.59	-12.79	-9.88	131.06	-27.39	-23.27	
126.93-25.24											
	822	3.30	-13.21	-88.47	-88.36	-13.31	-2.79	114.23	-26.57	-26.36	
114.03-5.33											
766 130	728	1.63	-5.85	-43.87	-43.69	-6.03	-2.60	-0.03	-46.86	-36.94	-
9.95-19.13											
	731	1.52	-5.79	-41.10	-41.09	-5.80	-0.72	3.95	-34.49	-33.75	
3.21-5.27											
	826	2.42	-9.13	-61.34	-60.35	-10.11	-7.09	124.91	-10.84	-8.31	
122.38-18.35											
	822	2.45	-10.46	-64.09	-64.04	-10.51	-1.64	116.50	-9.98	-9.90	
116.42-3.24											
766 162	728	1.43	-7.82	-26.87	-26.86	-7.83	0.43	182.25	30.72	30.83	
182.14-4.07											
	731	1.32	-7.34	-24.43	-24.12	-7.65	2.26	170.44	28.06	28.86	
169.6410.65											
	826	2.07	-11.24	-36.02	-35.34	-11.91	-4.04	287.98	56.19	56.64	
287.54-10.11											
	822	2.23	-12.24	-39.17	-39.10	-12.31	1.38	307.14	60.08	60.14	
307.08 3.76											
766 164	728	1.41	-7.73	-26.45	-26.42	-7.76	0.68	178.25	28.05	28.24	
178.06-5.33											
	731	1.30	-7.19	-24.06	-23.68	-7.57	2.52	165.92	25.58	26.22	
165.28 9.41											
	826	2.04	-11.23	-35.31	-34.70	-11.84	-3.79	283.75	53.44	54.01	
283.18-11.45											
	822	2.21	-12.13	-38.56	-38.46	-12.23	1.64	303.04	57.55	57.57	
303.01 2.39											
766 174	728	1.95	-8.20	-17.51	-16.84	-8.87	2.40	292.47	68.40	68.46	
292.40 3.81											
	731	1.78	-6.34	-16.36	-14.02	-8.68	4.24	266.51	61.61	63.46	
264.6619.38											
	826	2.59	-12.45	-21.39	-20.88	-12.95	-2.07	383.04	92.85	92.99	
382.91-6.20											
	822	2.80	-12.43	-25.64	-24.73	-13.35	3.36	417.85	99.37	99.52	
417.70 6.89											
766 212	728	1.28	-7.96	-31.05	-31.03	-7.98	-0.60	109.75	7.45	8.29	
108.91-9.22											
	731	1.15	-7.85	-27.88	-27.86	-7.88	0.75	100.93	6.40	6.57	
100.76 3.96											
	826	2.37	-10.53	-41.76	-40.59	-11.70	-5.93	305.76	51.37	51.92	
305.22-11.77											
	822	2.49	-11.99	-44.69	-44.69	-11.99	0.08	318.01	54.01	54.02	
317.99 1.74											
767 15	729	4.39	8.86	-97.42	-93.48	4.91	20.10	159.05	-210.89	-46.08	-
5.76-183.87											
	732	4.26	9.97	-81.25	-72.55	1.27	26.80	171.73	-181.01	-16.13	
6.85-176.00											
	827	3.97	-3.82	-114.26	-114.23	-3.85	-1.76	91.43	-96.20	-6.10	
1.33-93.74											
	823	5.14	-4.28	-144.94	-144.86	-4.36	3.39	78.02	-121.91	-44.70	

0.81-97.34											
767 57	729	4.82	9.42	-94.67	-90.32	5.07	20.83	206.65	-349.29	-141.02	-
1.62-269.09											
	732	5.09	10.87	-78.84	-69.40	1.43	27.53	225.72	-345.51	-113.85	-
5.94-280.48											
	827	5.10	-3.68	-108.77	-108.76	-3.69	-1.03	128.28	-298.03	-149.23	-
20.51-203.20											
	823	6.10	-4.08	-139.52	-139.39	-4.20	4.12	110.79	-303.87	-185.05	-
8.03-187.49											
767 133	729	3.42	7.18	-70.13	-66.73	3.78	15.85	138.47	-224.98	-86.26	-
0.25-176.56											
	732	3.56	8.16	-58.37	-51.14	0.93	20.71	150.32	-225.38	-71.82	-
3.23-184.69											
	827	3.59	-2.82	-80.02	-80.01	-2.83	-0.86	85.24	-194.42	-95.43	-
13.75-133.73											
	823	4.34	-3.13	-103.56	-103.46	-3.23	3.15	74.42	-196.21	-116.30	-
5.49-123.46											
767 159	729	2.57	6.79	-62.30	-58.84	3.33	15.07	59.49	-40.29	17.56	
1.63-49.25											
	732	2.28	7.20	-51.76	-44.87	0.31	18.94	57.71	-40.38	11.95	
5.37-48.93											
	827	2.40	-2.84	-70.00	-69.97	-2.87	-1.31	32.72	-17.36	15.23	
0.14-23.88											
	823	3.18	-3.19	-93.16	-93.07	-3.28	2.84	34.44	-19.63	15.11	-
0.30-25.91											
767 164	729	2.13	6.90	-52.76	-48.85	2.99	14.76	65.70	-1.33	58.10	
6.2621.24											
	732	1.62	6.97	-43.68	-36.51	-0.20	17.65	39.30	-3.27	30.58	
5.45 17.17											
	827	2.05	-2.77	-56.32	-56.29	-2.80	-1.28	35.20	-5.28	30.46	-
0.5413.01											
	823	2.94	-3.10	-79.14	-79.02	-3.22	3.02	55.33	-3.37	52.97	-
1.0111.54											
767 178	729	2.64	6.22	-56.28	-53.04	2.97	13.87	164.63	-35.46	124.81	
4.3779.89											
	732	2.11	5.83	-46.70	-40.66	-0.21	16.76	153.83	-40.04	99.15	
14.6587.24											
	827	3.11	-2.74	-63.40	-63.32	-2.82	-2.17	176.42	-33.08	131.29	
12.0586.13											
	823	3.88	-3.18	-86.13	-86.08	-3.24	2.13	182.18	-24.61	151.89	
5.6873.12											
767 204	729	2.40	6.51	-53.18	-49.53	2.85	14.32	172.07	-53.42	107.28	
11.37102.04											
	732	2.62	6.39	-44.20	-37.60	-0.21	17.03	190.38	-89.29	90.18	
10.91134.10											
	827	2.73	-2.77	-57.55	-57.51	-2.80	-1.31	139.10	-36.21	106.28	-
3.3968.38											
	823	3.49	-3.08	-79.63	-79.51	-3.20	3.01	149.38	-26.60	125.92	-
3.1459.82											
768 5	730	2.74	22.76	-49.74	-35.33	8.34	28.94	136.52	3.28	5.44	
134.3616.82											
	733	2.90	26.79	-51.45	-25.21	0.55	36.94	125.40	-8.83	1.39	
115.1835.59											
	828	2.74	4.07	-48.82	-38.52	-6.23	20.94	299.93	52.82	53.31	
299.43 11.01											
	824	3.34	3.60	-62.67	-53.51	-5.57	22.88	365.93	68.33	68.88	
365.37-12.85											
768 73	730	3.03	13.37	-54.04	-50.74	10.07	14.54	176.99	-12.22	-8.19	
172.9727.32											
	733	2.77	11.91	-49.97	-40.48	2.42	22.29	172.10	-1.01	14.35	
156.7549.22											
	828	3.26	-3.51	-62.56	-61.84	-4.23	6.51	338.71	70.39	73.15	
335.9527.09											
	824	3.94	-2.60	-77.87	-76.87	-3.60	8.61	397.27	87.90	87.91	
397.27-0.76											
768 141	730	2.28	10.78	-40.67	-37.38	7.50	12.58	130.98	-7.75	-4.88	
128.1119.76											
	733	2.12	10.24	-38.15	-29.53	1.62	18.52	126.62	-1.47	9.67	
115.4936.08											

	828	2.43	-2.52	-45.97	-45.01	-3.48	6.39	254.60	52.08	53.90
252.77 19.13										
	824	2.94	-1.82	-57.70	-56.53	-3.00	8.02	299.99	65.24	65.26
299.98 -1.84										
768 162	730	2.05	15.11	-37.73	-28.82	6.20	19.78	103.70	0.89	2.58
102.00 13.09										
	733	2.10	17.34	-38.13	-21.14	0.35	25.56	96.23	-4.98	2.56
88.69 26.58										
	828	2.05	0.99	-37.20	-31.57	-4.65	13.55	223.16	40.89	41.46
222.59 10.16										
	824	2.51	1.12	-48.10	-42.81	-4.18	15.25	270.11	52.49	52.82
269.78 -8.40										
768 164	730	2.02	16.69	-37.48	-26.69	5.91	21.63	97.44	2.90	4.34
95.99 11.59										
	733	2.13	19.54	-38.52	-19.05	0.07	27.41	89.21	-6.03	0.77
82.41 24.52										
	828	1.99	2.69	-36.01	-28.38	-4.93	15.39	216.41	38.14	38.50
216.05 8.00										
	824	2.43	2.48	-46.53	-39.58	-4.47	17.10	263.99	49.44	49.91
263.52 -10.01										
768 174	730	2.54	11.78	-42.29	-37.09	6.59	15.94	206.30	31.62	34.61
203.32 22.65										
	733	2.43	12.07	-40.90	-29.57	0.74	21.72	186.17	20.84	31.29
175.73 40.22										
	828	2.66	-2.03	-46.47	-44.24	-4.26	9.70	312.94	77.71	79.23
311.42 18.84										
	824	3.21	-1.38	-57.73	-55.32	-3.79	11.41	372.94	93.38	93.43
372.89 -3.77										
768 210	730	2.15	14.25	-39.55	-31.13	5.83	19.55	121.10	8.87	12.18
117.79 19.01										
	733	2.22	15.95	-39.31	-23.28	-0.07	25.08	112.54	-3.71	9.20
99.63 36.52										
	828	2.25	0.01	-39.01	-34.23	-4.77	12.80	259.83	53.47	54.05
259.25 10.97										
	824	2.78	0.66	-50.40	-45.54	-4.20	14.98	317.39	67.35	67.62
317.12 -8.17										
769 15	731	3.21	27.07	-60.87	-27.10	-6.71	42.78	157.50	23.45	41.12
139.83 45.35										
	734	3.11	27.45	-57.93	-19.75	-10.73	42.45	141.44	16.05	41.59
115.90 50.50										
	830	2.31	12.07	-50.80	-25.95	-12.78	30.73	191.77	50.45	50.51
191.71 2.86										
	826	3.00	14.18	-65.26	-37.65	-13.43	37.83	230.14	53.28	57.30
226.12 26.36										
769 79	731	3.28	25.59	-62.04	-29.05	-7.40	42.45	180.80	34.84	55.67
159.97 51.05										
	734	3.16	25.86	-59.03	-21.75	-11.42	42.13	162.66	26.89	55.70
133.85 55.51										
	830	2.36	10.01	-52.86	-29.38	-13.47	30.41	209.71	62.93	63.27
209.37 7.09										
	826	3.10	12.27	-67.43	-41.05	-14.12	37.51	251.38	65.10	70.51
245.97 31.28										
769 130	731	1.47	-6.14	-39.37	-39.19	-6.33	2.48	6.92	-42.18	-37.93
2.67 -13.81										
	734	1.22	-8.75	-33.00	-32.85	-8.90	1.94	16.19	-31.42	-31.33
16.10 -2.07										
	830	2.14	-8.55	-52.33	-50.83	-10.05	-7.95	120.60	-13.49	-10.76
117.87 -18.93										
	826	2.33	-10.66	-59.88	-59.85	-10.70	-1.35	120.76	-10.95	-10.86
120.68 -3.32										
769 162	731	1.39	-4.27	-27.44	-23.87	-7.84	8.36	170.19	29.47	29.60
170.07 4.17										
	734	1.22	-5.47	-22.41	-17.41	-10.47	7.73	154.54	27.70	29.71
152.53 15.83										
	830	1.80	-11.26	-26.67	-26.40	-11.54	-2.05	253.61	49.84	50.46
252.99 -11.16										
	826	2.06	-11.31	-36.28	-35.41	-12.17	4.56	286.41	56.41	56.49
286.33 4.30										
769 164	731	1.37	-4.02	-27.10	-23.44	-7.69	8.43	165.66	26.30	26.36

165.59 2.91											
	734	1.19	-5.16	-22.12	-16.97	-10.31	7.80	150.30	24.82	26.57	
148.5514.72											
	830	1.77	-11.11	-25.90	-25.63	-11.38	-1.98	249.79	46.89	47.62	
249.07-12.10											
	826	2.02	-11.11	-35.57	-34.66	-12.02	4.63	281.96	53.51	53.56	
281.92 3.21											
769 174	731	1.86	0.61	-23.97	-14.74	-8.63	11.91	266.57	65.67	66.67	
265.5714.09											
	734	1.71	1.65	-21.10	-8.19	-11.25	11.27	234.04	59.26	63.21	
230.1025.96											
	830	2.30	-10.71	-13.71	-12.10	-12.32	1.49	330.87	84.22	84.43	
330.65-7.23											
	826	2.61	-7.99	-26.17	-21.20	-12.96	8.10	382.16	93.81	94.04	
381.93 8.05											
769 212	731	1.20	-5.95	-29.67	-27.61	-8.00	6.67	100.44	5.58	5.60	
100.42-1.40											
	734	0.92	-8.07	-23.11	-20.52	-10.66	5.68	90.85	3.42	5.03	
89.24 11.76											
	830	1.98	-10.28	-32.07	-31.00	-11.36	-4.72	278.19	46.09	46.61	
277.68-10.90											
	826	2.32	-11.68	-40.77	-40.56	-11.88	2.44	304.55	51.35	51.38	
304.52 2.71											
770 15	732	4.67	15.16	-86.41	-71.76	0.50	35.69	170.39	-183.52	-19.66	
6.54-176.47											
	735	3.79	11.08	-60.33	-44.53	-4.72	29.64	186.09	-106.99	51.60	
27.51-146.04											
	831	2.85	-2.96	-68.65	-68.59	-3.02	-1.91	126.78	-50.14	75.05	
1.60-80.48											
	827	3.88	-3.33	-112.75	-112.55	-3.52	4.60	90.90	-97.67	-8.04	
1.27-94.17											
770 59	732	5.73	16.50	-73.18	-56.13	-0.55	35.19	227.04	-425.41	-180.07	-
18.31-316.04											
	735	5.31	12.03	-49.13	-31.31	-5.79	27.79	260.79	-400.11	-152.47	
13.15-319.90											
	831	4.24	-3.41	-45.73	-45.71	-3.43	-0.91	186.23	-396.33	-194.97	-
15.13-277.06											
	827	5.05	-3.53	-87.47	-87.08	-3.92	5.73	144.31	-413.75	-232.18	-
37.26-261.46											
770 134	732	4.00	12.57	-55.23	-42.20	-0.46	26.72	151.08	-278.60	-116.23	-
11.29-208.34											
	735	3.63	8.89	-36.86	-23.48	-4.49	20.81	170.91	-264.13	-102.88	
9.66-210.12											
	831	2.89	-2.56	-33.99	-33.97	-2.58	-0.83	122.02	-262.65	-130.54	-
10.08-182.66											
	827	3.52	-2.66	-65.68	-65.38	-2.95	4.30	95.79	-271.70	-150.96	-
24.96-172.60											
770 159	732	2.55	11.63	-56.10	-44.24	-0.22	25.74	56.71	-40.98	9.66	
6.06-48.81											
	735	1.76	7.32	-37.49	-25.93	-4.25	19.61	47.76	-22.83	11.99	
12.95-35.29											
	831	1.38	-2.16	-37.79	-37.72	-2.23	-1.56	32.84	-9.65	22.64	
0.55-18.15											
	827	2.39	-2.41	-68.86	-68.67	-2.60	3.59	31.88	-18.35	13.62	-
0.08-24.16											
770 164	732	1.91	11.83	-48.38	-35.86	-0.69	24.43	38.48	-3.01	28.62	
6.8517.67											
	735	1.43	6.56	-30.84	-19.56	-4.72	17.16	23.65	-26.19	-9.20	
6.6623.63											
	831	0.87	-2.05	-26.33	-26.22	-2.16	-1.62	13.37	-17.53	-4.20	
0.03 15.31											
	827	1.99	-2.27	-55.22	-54.97	-2.52	3.64	33.49	-5.61	28.76	-
0.8812.75											
770 178	732	2.71	10.68	-51.51	-40.45	-0.39	23.79	164.12	-59.34	90.07	
14.71105.19											
	735	2.40	4.96	-33.52	-24.13	-4.42	16.52	154.19	-93.50	50.85	
9.84122.13											
	831	2.11	-1.71	-33.73	-33.57	-1.87	-2.26	155.69	-75.92	74.78	
4.99110.42											

827	2.90	-2.08	-62.46	-62.31	-2.23	2.99	168.94	-49.08	109.14	
10.7297.27										
770 204	732	2.96	11.10	-48.78	-37.01	-0.67	23.80	188.07	-86.13	91.55
10.40130.96										
735	2.79	5.78	-31.49	-21.10	-4.61	16.72	184.49	-129.92	47.92	
6.65155.85										
831	1.67	-2.07	-28.34	-28.24	-2.18	-1.65	113.62	-60.70	57.91	-
4.9981.29										
827	2.65	-2.29	-56.47	-56.23	-2.53	3.61	146.67	-41.72	107.77	-
2.8276.25										
771 5	733	3.34	33.68	-58.16	-24.32	-0.16	44.30	127.68	-12.16	3.03
112.4943.51										
736	2.91	28.30	-49.32	-10.22	-10.80	38.81	118.00	-27.70	-4.86	
95.1652.97										
832	2.08	9.78	-36.26	-19.05	-7.43	22.27	209.78	32.31	35.46	
206.6423.41										
828	2.94	13.25	-57.43	-38.01	-6.17	31.56	297.22	52.02	52.26	
296.98-7.73										
771 73	733	3.47	19.07	-59.40	-42.66	2.32	32.15	176.54	-36.90	-14.69
154.3365.17										
736	2.93	10.15	-46.90	-28.63	-8.12	26.62	164.21	-62.71	-20.90	
122.3987.98										
832	2.45	-2.29	-47.27	-44.78	-4.79	10.29	251.50	53.50	70.04	
234.9654.79										
828	3.42	2.28	-69.42	-63.58	-3.57	19.62	337.80	88.98	89.38	
337.3910.07										
771 141	733	2.63	15.79	-45.19	-30.89	1.49	25.84	129.83	-25.75	-9.54
113.6247.52										
736	2.23	9.29	-35.94	-20.12	-6.53	21.57	120.71	-44.55	-14.56	
90.7263.70										
832	1.82	-1.28	-34.38	-31.70	-3.97	9.03	187.50	39.11	50.08	
176.5238.84										
828	2.55	2.39	-51.54	-46.12	-3.03	16.22	253.68	64.44	64.62	
253.50 5.87										
771 162	733	2.47	22.74	-43.72	-20.88	-0.10	31.56	98.31	-11.92	-0.40
86.7933.72										
736	2.13	18.07	-36.34	-10.21	-8.05	27.19	91.33	-25.40	-6.74	
72.6742.78										
832	1.55	4.56	-27.31	-17.32	-5.44	14.79	157.74	26.59	30.24	
154.0921.58										
828	2.20	7.80	-43.80	-31.48	-4.52	22.00	221.43	42.91	43.00	
221.34-3.97										
771 164	733	2.46	24.84	-43.69	-18.38	-0.47	33.07	90.99	-8.61	1.89
80.4930.60										
736	2.13	20.62	-36.78	-7.73	-8.42	28.70	84.49	-20.73	-4.68	
68.4437.83										
832	1.50	6.96	-26.62	-13.85	-5.81	16.30	151.52	23.02	25.41	
149.1317.35										
828	2.14	9.76	-42.64	-28.00	-4.89	23.52	214.52	37.52	37.75	
214.29-6.37										
771 174	733	2.69	16.33	-44.10	-27.87	0.10	26.78	192.11	19.22	36.08
175.2551.29										
736	2.14	10.32	-35.49	-17.31	-7.85	22.41	156.28	0.27	23.99	
132.5756.01										
832	1.86	-1.56	-32.51	-28.84	-5.24	10.01	215.88	47.20	51.02	
212.06 25.11										
828	2.74	2.25	-49.46	-42.89	-4.32	17.23	307.92	69.36	69.42	
307.86 3.59										
771 226	733	2.59	22.56	-46.01	-23.44	-4.68e-03	32.22	106.90	-9.48	5.25
92.1738.69										
736	2.27	17.69	-38.97	-13.36	-7.92	28.20	103.69	-22.28	0.15	
81.2648.19										
832	1.69	4.65	-31.04	-20.73	-5.66	16.18	166.46	28.60	32.12	
162.9421.74										
828	2.38	7.92	-47.10	-34.52	-4.65	23.10	238.57	46.11	46.18	
238.49-3.73										
772 15	734	3.41	34.51	-64.97	-19.42	-11.03	49.56	135.18	23.26	42.06
116.3741.84										
737	2.80	27.56	-54.47	-10.29	-16.61	40.89	104.33	18.74	41.28	

81.7937.70										
	834	2.17	17.15	-41.85	-12.39	-12.30	29.50	150.07	38.93	39.58
149.42-8.48										
	830	2.90	22.68	-60.90	-25.50	-12.73	41.30	195.48	47.42	50.71
192.1921.80										
772 79	734	3.58	35.91	-66.87	-21.13	-9.83	51.08	157.15	35.96	58.37
134.7347.05										
	737	2.96	28.73	-56.14	-12.00	-15.41	42.41	123.33	27.52	56.44
94.4243.98										
	834	2.24	17.53	-44.70	-16.08	-11.10	31.01	162.53	56.26	56.45
162.35-4.42										
	830	3.07	23.37	-64.05	-29.15	-11.53	42.81	215.15	64.58	68.79
210.9324.85										
772 144	734	2.52	23.92	-48.22	-16.33	-7.97	35.82	122.71	29.35	42.46
109.6032.44										
	737	2.05	18.62	-39.81	-9.05	-12.14	29.18	97.31	23.94	41.37
79.8831.23										
	834	1.60	9.54	-30.94	-12.57	-8.82	20.15	135.17	42.58	42.86
134.88 -5.12										
	830	2.20	14.13	-46.13	-22.80	-9.19	29.35	176.16	49.88	52.17
173.8716.88										
772 162	734	1.37	0.28	-27.84	-17.20	-10.37	13.64	153.12	29.53	30.22
152.44 9.15										
	737	1.18	-3.36	-18.64	-8.27	-13.72	7.14	132.26	29.02	31.47
129.81 15.71										
	834	1.47	-8.37	-16.76	-14.74	-10.39	-3.59	204.20	41.51	42.97
202.74-15.36										
	830	1.82	-8.67	-28.46	-26.08	-11.05	6.44	253.55	51.31	51.35
253.50 3.03										
772 164	734	1.35	-0.07	-27.38	-16.82	-10.64	13.30	148.88	26.07	26.59
148.36 8.00										
	737	1.18	-3.49	-18.40	-7.89	-13.99	6.80	129.04	26.07	28.10
127.01 14.31										
	834	1.47	-8.04	-16.54	-13.92	-10.66	-3.93	201.50	37.60	39.23
199.87-16.26										
	830	1.80	-9.02	-27.56	-25.27	-11.31	6.10	249.37	47.30	47.33
249.34 2.36										
772 174	734	1.87	8.17	-28.86	-9.50	-11.19	18.50	232.75	65.00	67.09
230.6618.62										
	737	1.62	6.36	-21.42	-0.52	-14.54	11.99	193.26	60.16	64.54
188.8723.76										
	834	1.92	-1.31	-11.37	-1.47	-11.21	1.27	262.19	71.93	72.94
261.18-13.81										
	830	2.35	-1.06	-23.67	-12.86	-11.87	11.30	331.24	84.98	85.12
331.10 5.86										
772 212	734	1.06	-3.55	-27.82	-20.38	-10.99	11.19	89.36	4.63	5.07
88.92 6.09										
	737	0.86	-7.49	-17.28	-10.56	-14.21	4.54	80.26	-0.23	3.92
76.1217.79										
	834	1.67	-6.41	-22.65	-18.35	-10.71	-7.16	231.64	37.94	38.62
230.96-11.43										
	830	1.95	-10.74	-31.20	-30.65	-11.30	3.32	278.26	46.25	46.30
278.22 3.30										
773 15	735	4.24	18.34	-67.96	-44.38	-5.25	38.46	181.66	-112.63	42.49
26.54-146.93										
	738	2.66	8.17	-30.43	-15.38	-6.88	18.82	262.49	41.01	236.02
67.49-71.86										
	835	2.46	-1.84	-20.24	-19.72	-2.36	-3.06	281.31	-6.43	273.39
1.49-47.08										
	831	2.90	-2.10	-66.01	-65.58	-2.53	5.22	124.55	-51.45	71.84
1.25-80.61										
773 60	735	5.56	14.31	-44.88	-25.52	-5.05	27.77	305.74	-395.77	-123.66
33.64-341.83										
	738	4.15	6.29	-17.49	-4.81	-6.40	11.86	303.80	-294.38	-16.05
25.47-298.37										
	835	3.58	0.07	-6.05	-3.42	-2.56	-3.03	280.82	-307.71	-9.75
17.14-294.24										
	831	3.96	-2.32	-36.50	-36.15	-2.67	3.43	267.96	-369.96	-121.63
19.63-311.04										

773	156	735	2.57	10.39	-54.82	-40.26	-4.17	27.16	36.64	-172.41	-130.12	-5.65-83.98
		738	1.39	-0.62	-26.80	-21.80	-5.62	10.29	66.14	-93.53	-60.59	33.19-64.62
		835	1.67	-1.17	-28.94	-28.75	-1.36	-2.31	35.93	-105.97	-76.39	6.35-57.64
		831	2.84	-1.12	-58.40	-58.08	-1.44	4.25	-3.02	-169.95	-147.22	-25.74-57.25
773	159	735	2.09	13.22	-43.67	-25.79	-4.66	26.40	45.17	-24.48	7.68	13.01-34.72
		738	0.80	2.30	-16.19	-7.76	-6.13	9.21	58.08	23.22	57.66	23.64-3.81
		835	0.68	-0.62	-7.85	-6.73	-1.74	-2.61	72.00	-6.00e-03	71.57	0.42-5.53
		831	1.36	-1.34	-35.73	-35.26	-1.80	3.98	31.43	-9.88	21.19	0.36-17.83
773	164	735	1.80	12.74	-37.29	-19.41	-5.13	23.97	24.80	-28.90	-11.44	7.3425.16
		738	0.79	-0.42	-11.00	-4.65	-6.77	5.18	23.03	-58.09	-37.07	2.0235.54
		835	0.45	1.93	-3.87	-0.27	-1.68	-2.81	7.52	-42.17	-34.51	-0.1317.94
		831	0.89	-1.01	-24.34	-23.65	-1.70	3.95	13.64	-18.61	-4.87	-0.1015.95
773	177	735	2.93	13.15	-37.19	-19.14	-4.90	24.14	174.01	-98.74	70.53	4.74132.34
		738	2.03	0.02	-10.92	-4.36	-6.54	5.36	174.51	-122.11	45.25	7.14147.08
		835	1.71	2.10	-3.42	0.13	-1.45	-2.64	166.77	-101.03	59.87	5.87131.15
		831	1.81	-0.71	-24.01	-23.25	-1.47	4.12	176.51	-89.86	89.28	-2.64125.00
773	203	735	3.15	13.01	-35.90	-17.89	-5.00	23.59	193.56	-119.87	64.21	9.48154.31
		738	2.29	0.04	-10.38	-3.67	-6.68	4.99	163.09	-180.99	-13.65	-4.25171.98
		835	1.18	3.31	-3.11	1.87	-1.67	-2.68	77.01	-97.90	-15.38	-5.5187.32
		831	1.49	-0.95	-22.03	-21.28	-1.70	3.90	140.64	-60.71	82.66	-2.7291.18
774	5	736	3.44	35.64	-56.89	-9.97	-11.27	46.26	125.05	-32.55	-1.03	93.5363.05
		739	2.32	20.18	-34.71	3.04	-17.56	25.44	140.42	-48.76	-13.78	105.4473.44
		836	1.37	11.48	-18.42	0.71	-7.65	14.35	102.51	-6.44	17.42	78.6445.06
		832	2.39	21.78	-46.71	-17.81	-7.11	33.82	198.41	22.51	22.51	198.41 0.69
774	29	736	4.14	57.83	-70.20	-0.17	-12.19	63.73	-36.83	-123.05	-106.33	-53.5534.09
		739	3.01	43.07	-48.53	12.87	-18.33	43.06	48.63	-115.96	-103.34	36.0243.78
		836	2.31	37.77	-30.82	15.50	-8.55	32.11	23.81	-87.98	-73.12	8.9537.96
		832	3.16	46.04	-57.08	-2.97	-8.07	51.50	46.93	-83.86	-83.70	46.77-4.57
774	119	736	3.09	42.05	-52.47	-1.12	-9.30	47.08	-12.57	-85.32	-71.16	-26.7328.80
		739	2.23	30.64	-35.77	8.88	-14.01	31.17	45.69	-81.82	-70.38	34.2536.44
		836	1.67	26.27	-22.33	10.44	-6.49	22.78	25.63	-59.35	-47.13	13.4129.82
		832	2.31	32.79	-42.61	-3.70	-6.12	37.68	50.33	-53.77	-53.68	50.24-3.03
774	160	736	2.63	29.32	-44.48	-6.26	-8.90	36.88	69.04	-36.73	-15.96	48.2742.02
		739	1.79	17.65	-27.58	3.59	-13.52	20.94	90.67	-45.61	-23.02	68.0750.68
		836	1.12	11.80	-15.10	2.74	-6.04	12.71	64.08	-16.85	0.17	

47.0732.98										
	832	1.83	19.39	-36.02	-10.97	-5.67	27.58	123.92	1.93	1.93
123.92-0.58										
774 164	736	2.54	26.28	-42.61	-7.54	-8.79	34.44	89.91	-24.63	-2.01
67.2945.60										
	739	1.70	14.53	-25.66	2.28	-13.41	18.50	102.74	-37.07	-11.12
76.8054.35										
	836	1.00	8.22	-13.38	0.77	-5.93	10.27	74.26	-6.33	12.10
55.8333.85										
	832	1.75	16.17	-34.64	-12.91	-5.56	25.14	142.97	15.91	15.91
142.97 0.09										
774 167	736	2.82	37.12	-48.07	-1.52	-9.44	42.41	21.74	-60.66	-46.74
7.8230.87										
	739	2.02	25.92	-31.59	8.39	-14.06	26.47	67.92	-64.77	-49.32
52.4742.57										
	836	1.42	21.33	-18.50	9.41	-6.58	18.24	46.30	-32.80	-18.05
31.5530.81										
	832	2.11	27.84	-38.40	-4.36	-6.21	33.11	84.78	-20.92	-20.66
84.53 -5.14										
774 222	736	2.70	25.16	-45.32	-12.08	-8.09	35.18	101.59	-28.78	-2.14
74.9552.57										
	739	1.83	11.77	-28.52	-3.70	-13.05	19.59	128.58	-24.34	2.18
102.0657.90										
	836	1.19	6.78	-18.44	-5.60	-6.07	12.61	73.65	-8.20	21.75
43.6939.43										
	832	1.93	15.66	-39.06	-18.11	-5.30	26.60	142.53	13.11	13.15
142.49 2.39										
775 15	737	3.13	35.11	-61.86	-10.23	-16.52	48.38	98.53	29.90	45.64
82.7928.85										
	740	1.81	16.64	-41.04	-2.84	-21.57	27.28	23.50	3.24	18.46
8.27 8.76										
	838	1.82	15.61	-26.88	-0.66	-10.61	20.65	108.30	4.46	14.91
97.84-31.24										
	834	2.60	29.76	-52.99	-11.36	-11.87	41.37	156.15	42.75	43.76
155.1410.66										
775 79	737	3.40	38.50	-65.39	-11.60	-15.28	51.91	119.03	42.87	65.57
96.3334.84										
	740	2.02	19.55	-44.13	-4.25	-20.33	30.81	42.57	11.15	37.23
16.50 11.80										
	838	1.95	17.93	-30.78	-3.48	-9.37	24.18	113.83	16.32	25.40
104.74-28.35										
	834	2.88	32.52	-57.35	-14.19	-10.63	44.90	169.05	53.38	55.34
167.0914.95										
775 144	737	2.38	25.88	-46.80	-8.77	-12.14	36.30	93.65	35.02	47.52
81.1624.01										
	740	1.34	12.02	-30.23	-2.79	-15.41	20.16	35.74	16.22	28.59
23.37 9.41										
	838	1.33	10.15	-19.94	-2.41	-7.38	14.84	93.75	15.07	21.81
87.01-22.02										
	834	2.00	20.76	-40.40	-11.18	-8.45	30.55	139.54	41.05	42.04
138.55 9.82										
775 159	737	1.55	12.71	-34.32	-7.81	-13.81	23.32	101.95	29.03	31.41
99.5712.96										
	740	0.86	2.44	-18.28	-0.77	-15.07	7.50	57.85	19.64	22.15
55.35 9.45										
	838	0.97	-0.36	-8.61	-0.61	-8.35	1.43	112.13	19.20	25.70
105.63-23.70										
	834	1.55	5.99	-26.85	-11.10	-9.76	16.41	167.20	36.39	36.45
167.14 2.93										
775 164	737	1.35	1.95	-24.36	-7.76	-14.65	12.70	127.36	28.23	28.58
127.00 5.91										
	740	1.05	0.84	-14.45	0.30	-13.91	-2.81	94.80	26.23	28.22
92.80 11.53										
	838	1.07	5.78	-14.98	-0.69	-8.50	-9.62	134.47	30.96	36.57
128.86-23.45										
	834	1.51	-6.77	-16.38	-12.90	-10.24	4.62	203.70	38.58	38.59
203.69 -1.10										
775 174	737	1.84	10.97	-29.10	-2.72	-15.41	19.00	191.37	70.28	71.53
190.1212.24										

	740	1.25	6.02	-15.26	5.44	-14.67	3.49	131.44	64.23	65.99	
129.6810.73											
	838	1.34	8.51	-9.88	7.90	-9.26	-3.31	172.07	52.87	61.63	
163.31-31.11											
	834	2.01	3.70	-19.11	-4.42	-11.00	10.92	264.37	68.81	68.84	
264.33-2.62											
775	212	737	1.00	-2.01	-23.36	-10.44	-14.93	10.44	78.46	4.13	5.88
76.71 11.27											
	740	1.01	0.55	-15.13	-1.12	-13.47	-4.83	75.29	1.08	11.93	
64.4426.22											
	838	1.30	7.32	-18.99	-3.14	-8.53	-12.87	151.40	35.91	37.19	
150.12-12.10											
	834	1.66	-10.09	-17.50	-17.28	-10.31	1.25	234.73	38.53	38.60	
234.66 3.60											
776	16	738	2.94	16.22	-34.46	-14.07	-4.17	24.85	262.30	30.34	235.26
57.37-74.44											
	741	3.79	12.54	-12.22	3.92	-3.60	11.80	593.13	166.50	592.48	
167.1416.56											
	839	4.51	10.42	-1.40	10.06	-1.03	-2.05	636.49	24.34	635.01	
25.8330.08											
	835	2.73	-1.85	-20.46	-19.73	-2.58	3.61	303.22	-16.73	294.20	-
7.71-52.96											
776	36	738	4.40	16.62	-31.56	-10.31	-4.64	23.92	485.39	8.70	407.55
86.54-176.20											
	741	4.89	14.24	-10.52	7.78	-4.07	10.87	769.89	176.51	762.44	
183.96-66.07											
	839	5.74	5.77	-2.72	4.55	-1.50	-2.98	854.64	47.88	850.73	
51.80-56.07											
	835	4.56	-2.72	-25.44	-25.12	-3.04	2.68	559.69	-16.92	512.26	
30.51-158.42											
776	122	738	2.97	13.39	-26.83	-8.34	-5.10	20.04	304.46	14.22	260.87
57.81-103.69											
	741	3.15	7.30	-6.73	4.59	-4.02	5.54	494.58	115.53	491.13	
118.98-35.98											
	839	3.78	5.98	-2.56	5.02	-1.59	-2.70	550.16	31.97	548.02	
34.11-33.25											
	835	2.98	-2.05	-17.55	-17.03	-2.57	2.78	360.58	-8.39	331.81	
20.37-98.92											
776	159	738	1.07	10.00	-23.03	-7.61	-5.41	16.48	56.97	19.17	56.77
19.37 2.74											
	741	1.05	0.19	-3.88	0.12	-3.81	0.52	167.12	44.45	163.17	
48.3921.65											
	839	1.40	7.81	-2.01	7.33	-1.54	-2.11	175.40	5.77	173.40	
7.7718.28											
	835	0.78	-0.42	-8.67	-7.14	-1.94	3.20	78.90	-2.73	78.68	-
2.50-4.27											
776	164	738	1.23	7.10	-17.53	-4.39	-6.03	12.29	28.41	-60.52	-32.48
0.3741.32											
	741	0.66	2.38	-8.08	-1.78	-3.92	-5.12	0.32	-62.79	-51.49	-
10.9824.19											
	839	0.66	6.52	-2.34	5.97	-1.79	-2.14	1.35	-60.01	-57.40	-
1.2612.39											
	835	0.45	1.79	-4.26	-0.85	-1.62	3.00	10.33	-39.31	-29.08	
0.1020.07											
776	190	738	2.00	3.84	-20.48	-10.32	-6.33	12.00	-20.57	-239.95	-238.28	-
22.2419.06											
	741	1.92	-0.36	-11.82	-7.96	-4.21	-5.42	-25.40	-258.59	-256.18	-
27.81-23.57											
	839	2.19	-0.57	-5.98	-4.46	-2.08	-2.43	-24.33	-317.18	-313.20	-
28.31-33.91											
	835	2.15	-1.17	-11.81	-11.08	-1.91	2.71	-32.69	-286.00	-286.00	-
32.69-0.82											
776	204	738	2.83	7.23	-18.09	-5.52	-5.34	12.66	150.61	-209.34	-48.37	-
10.36178.97											
	741	2.20	0.89	-10.83	-6.45	-3.49	-5.67	-55.37	-347.71	-320.66	-
82.4284.71											
	839	2.73	5.94	-1.02	5.92	-1.00	-0.33	-9.21	-381.73	-376.62	-
14.3243.36											
	835	1.41	-0.15	-5.57	-3.80	-1.92	2.54	81.07	-132.35	-46.74	-

4.54104.60											
777 16	739	1.33	-3.63	-12.60	-3.87	-12.37	-1.44	44.57	-136.97	20.20	-
112.5961.89											
	755	2.73	13.87	-15.28	5.19	-6.60	-13.34	-170.42	-378.31	-319.28	-
229.4493.74											
	853	3.32	26.46	-26.01	6.52	-6.07	-25.47	-20.71	-344.27	-326.38	-
38.6073.94											
	836	1.46	1.31	-14.33	-8.63	-4.39	-7.53	212.36	85.00	207.99	
89.37-23.18											
777 51	739	3.66	53.38	-52.56	13.63	-12.81	51.29	120.28	9.00	51.12	
78.1653.97											
	755	2.68	30.72	-23.44	10.76	-3.48	26.13	300.08	154.86	255.27	
199.67-67.08											
	853	2.24	48.73	-15.60	24.96	8.17	31.05	161.14	41.35	147.41	
55.08-38.16											
	836	2.95	45.80	-42.65	13.08	-9.93	42.70	9.15	-86.16	-65.57	-
11.4539.22											
777 130	739	2.72	38.52	-39.13	9.53	-10.14	37.56	94.64	1.10	31.35	
64.3943.76											
	755	1.92	21.03	-16.81	7.18	-2.96	18.23	219.70	119.14	187.03	
151.81-47.09											
	853	1.58	34.75	-10.87	17.90	5.97	22.02	116.65	32.00	107.24	
41.42-26.62											
	836	2.16	32.62	-31.58	8.95	-7.92	30.97	10.80	-69.75	-55.30	-
3.6630.91											
777 161	739	2.24	25.20	-32.29	4.54	-11.63	27.58	111.52	-35.27	-10.05	
86.3055.37											
	755	1.26	7.49	-10.40	1.51	-4.41	8.44	163.72	116.50	138.18	
142.04-23.53											
	853	0.94	20.41	-4.99	11.11	4.31	12.23	78.50	32.61	74.92	
36.18-12.30											
	836	1.66	18.99	-25.15	3.22	-9.37	21.15	33.46	-90.81	-80.27	
22.9234.62											
777 164	739	2.14	22.00	-30.70	3.31	-12.01	25.21	116.90	-45.21	-20.43	
92.1258.33											
	755	1.14	4.19	-8.89	0.09	-4.79	6.07	152.43	114.19	126.39	
140.24-17.82											
	853	0.81	16.93	-3.55	9.45	3.93	9.86	69.47	32.97	67.20	
35.24-8.81											
	836	1.57	15.64	-23.64	1.75	-9.75	18.78	39.85	-96.94	-86.90	
29.8135.68											
777 175	739	2.49	33.54	-34.93	9.29	-10.68	32.75	95.73	-34.84	-10.39	
71.2850.94											
	755	1.52	16.24	-12.85	6.85	-3.46	13.60	177.61	107.15	141.01	
143.74-35.20											
	853	1.23	29.52	-7.22	17.04	5.26	17.40	75.35	26.76	66.54	
35.57-18.72											
	836	1.94	27.72	-27.59	8.56	-8.42	26.32	16.25	-102.26	-91.17	
5.1634.52											
777 228	739	2.17	19.80	-33.40	-2.43	-11.18	26.24	143.10	-29.70	-13.98	
127.3849.68											
	755	1.99	0.01	-14.35	-7.62	-6.72	7.17	279.75	191.14	272.67	
198.22-24.03											
	853	1.94	13.98	-12.42	-1.24	2.81	13.04	255.34	46.26	251.66	
49.94-27.51											
	836	2.03	15.58	-29.42	-4.34	-9.50	22.35	10.89	-156.20	-144.92	-
0.3941.92											
778 15	740	2.23	26.28	-47.39	-2.73	-18.38	35.99	30.06	-0.03	28.34	
1.69-6.99											
	757	1.40	2.56	-31.03	1.42	-29.88	6.10	-84.69	-109.53	-109.51	-
84.70-0.53											
	855	0.68	3.85	-1.57	3.85	-1.57	-0.14	14.13	-76.00	-62.99	
1.12-31.68											
	838	2.45	28.25	-42.19	-1.80	-12.14	34.84	101.94	12.99	18.10	
96.83-20.69											
778 79	740	2.43	29.45	-52.07	-3.35	-19.27	39.98	11.97	4.35	9.62	
6.70-3.52											
	757	1.60	3.61	-33.73	0.65	-30.77	10.08	-92.91	-133.12	-130.13	-
95.8910.55											

	855	0.69	4.41	-4.60	2.26	-2.46	3.84	1.97	-67.02	-58.30	-
6.76-22.93											
	838	2.64	31.14	-47.16	-3.00	-13.02	38.83	105.22	18.29	21.55	
101.96-16.53											
778 144	740	1.67	19.41	-36.29	-2.21	-14.66	27.15	16.69	11.25	11.44	
16.51-1.00											
	757	1.02	1.48	-22.13	0.34	-20.99	5.05	-55.66	-87.65	-85.06	-
58.258.72											
	855	0.44	2.41	-2.27	1.91	-1.77	1.45	7.03	-42.86	-36.10	
0.28-17.08											
	838	1.83	20.17	-32.02	-1.85	-10.00	25.77	86.62	17.75	20.25	
84.12-12.88											
778 159	740	1.06	8.20	-22.87	-0.81	-13.86	14.10	52.27	30.29	30.83	
51.73 3.41											
	757	0.63	1.94	-13.85	0.09	-11.99	-5.08	-2.28	-31.12	-29.30	-
4.097.00											
	855	0.49	6.13	-4.26	2.97	-1.10	-4.78	29.24	-17.82	-9.27	
20.69-18.15											
	838	1.22	7.32	-16.97	4.48e-03	-9.65	11.15	103.93	28.01	31.02	
100.92-14.80											
778 164	740	0.96	1.11	-14.58	0.18	-13.65	3.71	92.18	35.85	37.73	
90.29 10.12											
	757	0.94	10.50	-14.77	-0.68	-3.59	-12.55	47.24	8.07	12.71	
42.6012.66											
	855	0.67	9.57	-7.61	2.98	-1.02	-8.35	43.67	12.89	20.70	
35.85-13.39											
	838	1.04	1.13	-9.96	1.07	-9.90	-0.82	123.59	41.64	44.09	
121.14-13.95											
778 174	740	1.37	6.28	-19.21	3.22	-16.15	8.29	116.68	13.71	14.41	
115.99 8.44											
	757	0.87	6.89	-10.97	2.01	-6.09	-7.96	41.28	-23.20	-16.89	
34.97 19.16											
	855	0.44	6.21	-4.98	4.75	-3.52	-3.77	39.35	-0.94	7.31	
31.10-16.26											
	838	1.43	4.10	-13.25	3.24	-12.39	3.76	153.87	31.54	36.36	
149.05-23.81											
778 212	740	0.86	-0.88	-13.73	-1.08	-13.53	1.59	77.07	-4.35	11.29	
61.4332.08											
	757	1.11	12.09	-14.24	-1.69	-0.46	-13.15	82.72	36.93	59.17	
60.4822.88											
	855	0.66	10.19	-8.53	2.82	-1.16	-9.15	42.09	31.90	37.42	
36.58-5.08											
	838	1.17	0.67	-11.74	-1.19	-9.87	-4.44	140.65	43.18	43.19	
140.63 1.03											
779 16	839	4.26	6.26	-6.08	2.51	-2.34	-5.67	-16.31	-625.49	-625.21	-
16.5913.12											
	840	3.09	21.29	-2.72	20.88	-2.32	3.10	15.17	-356.04	-343.64	
2.7766.69											
	742	3.10	21.26	-8.23	19.11	-6.08	-7.66	-3.90	-340.52	-301.82	-
42.60107.37											
	741	4.22	20.53	-15.46	8.77	-3.70	-16.88	-104.85	-601.34	-600.24	-
105.9423.32											
779 58	839	6.50	18.77	-2.72	17.66	-1.61	-4.76	-40.66	-908.77	-901.19	-
48.23-80.73											
	840	5.25	36.13	-2.02	35.70	-1.59	4.02	-33.15	-620.48	-620.42	-
33.21-6.07											
	742	4.25	26.93	-6.77	25.52	-5.36	-6.75	-63.78	-520.49	-517.78	-
66.4935.08											
	741	5.62	24.70	-12.18	15.50	-2.98	-15.96	-118.31	-822.57	-815.42	-
125.46-70.61											
779 133	839	4.19	12.94	-3.09	11.82	-1.97	-4.09	-27.72	-583.54	-578.89	-
32.37-50.60											
	840	3.39	23.62	-2.17	23.10	-1.65	3.62	-22.25	-398.39	-398.39	-
22.25-0.83											
	742	2.73	16.50	-5.04	16.27	-4.81	-2.21	-39.78	-334.53	-331.56	-
42.7629.45											
	741	3.66	16.95	-10.23	10.05	-3.33	-11.83	-76.39	-529.91	-526.26	-
80.04-40.52											
779 159	839	1.20	3.30	-4.93	0.94	-2.57	-3.72	-5.22	-165.33	-164.59	-

5.9610.82											
	840	0.80	6.56	-2.95	5.56	-1.94	2.92	9.48	-92.87	-84.09	
0.7028.65											
	742	0.82	5.31	-4.91	4.89	-4.49	2.02	14.95	-99.36	-73.35	-
11.0647.92											
	741	1.35	7.81	-9.37	2.36	-3.92	-8.00	-25.00	-168.49	-165.38	-
28.1120.89											
779	164	839	0.50	1.83	-4.36	0.15	-2.68	-2.75	67.09	-2.02	65.71	-
0.649.66											
	840	0.39	0.91	-4.77	-2.10	-1.76	2.84	47.61	-2.27	45.68	-
0.339.64											
	742	0.66	3.94	-9.86	-2.22	-3.70	6.86	48.46	-2.86	40.89	
4.7118.20											
	741	0.54	1.46	-6.34	-0.85	-4.03	-3.56	59.93	2.93	52.05	
10.8119.68											
779	178	839	2.21	-1.57	-10.03	-8.63	-2.97	-3.14	296.95	18.21	289.88	
25.2843.81											
	840	2.04	-1.40	-11.36	-10.72	-2.05	2.44	273.78	29.74	271.15	
32.3725.18											
	742	1.54	1.21	-12.04	-6.85	-3.99	6.47	222.64	21.23	216.40	
27.4734.90											
	741	1.79	-0.98	-9.00	-5.66	-4.32	-3.95	240.58	12.45	226.27	
26.7755.33											
779	204	839	3.02	-1.40	-12.90	-10.66	-3.64	-4.55	407.94	10.64	405.58	
13.0030.53											
	840	1.47	-0.41	-11.06	-10.01	-1.46	3.17	171.55	-1.18	171.55	-
1.181.12											
	742	1.11	0.04	-11.82	-7.52	-4.26	5.70	146.86	20.94	144.60	
23.20 16.71											
	741	2.19	-1.03	-6.91	-3.76	-4.18	-2.93	332.99	57.83	319.79	
71.0358.81											
780	16	840	3.15	21.64	-1.73	21.38	-1.47	-2.44	9.53	-356.03	-344.62	-
1.8863.57											
	841	2.02	24.03	-2.31	23.56	-1.84	3.51	35.63	-195.80	-158.43	-
1.7585.17											
	743	2.61	31.85	-7.83	31.46	-7.44	3.93	94.72	-243.11	-140.25	-
8.14155.47											
	742	3.35	26.06	-12.10	19.83	-5.87	-14.10	-10.06	-345.54	-308.85	-
46.76104.71											
780	58	840	4.47	36.40	-1.89	36.29	-1.77	-2.13	-11.50	-489.84	-489.84	-
11.500.26											
	841	3.28	38.63	-2.50	38.27	-2.14	3.82	-18.32	-309.35	-305.78	-
21.8932.04											
	743	3.26	41.44	-8.10	41.07	-7.74	4.25	16.37	-292.94	-254.84	-
21.73101.65											
	742	3.96	34.32	-10.86	29.63	-6.17	-13.79	-37.72	-425.50	-421.36	-
41.8739.87											
780	152	840	2.44	-1.13	-7.62	-6.93	-1.82	-2.01	168.22	-227.14	-45.30	-
13.62-197.05											
	841	2.45	-1.15	-15.28	-14.51	-1.93	3.22	174.62	-223.06	-59.51	
11.06-195.68											
	743	2.65	5.10	-15.98	-8.83	-2.05	9.98	163.67	-199.57	-49.96	
14.06-178.78											
	742	2.17	-2.95	-5.55	-4.99	-3.51	1.07	161.09	-204.66	-36.13	-
7.44-182.31											
780	159	840	0.91	6.30	-2.63	5.61	-1.94	-2.39	6.68	-93.48	-86.08	-
0.7226.20											
	841	0.58	3.41	-3.84	1.68	-2.12	3.09	18.83	-55.27	-35.67	-
0.7732.69											
	743	1.16	10.32	-8.05	6.41	-4.14	7.52	48.62	-78.84	-29.44	-
0.7862.10											
	742	1.04	6.78	-6.28	5.00	-4.50	-4.48	11.06	-97.45	-74.06	-
12.3344.62											
780	164	840	0.40	0.13	-4.59	-2.28	-2.17	-2.36	44.46	-1.41	43.19	-
0.147.52											
	841	0.46	-1.23	-10.29	-9.26	-2.26	2.88	27.22	-1.80	25.71	-
0.296.45											
	743	0.72	5.19	-13.79	-6.12	-2.49	9.32	33.69	-4.83	25.96	
2.9015.42											

	742	0.35	-2.34	-3.89	-2.41	-3.82	0.33	48.24	-0.01	43.34	
4.8914.58											
780 193	840	1.96	0.07	-5.14	-2.77	-2.31	-2.59	217.26	-84.21	123.39	
9.66139.60											
	841	1.77	-1.55	-10.59	-9.74	-2.40	2.64	195.98	-94.65	104.24	-
2.91135.08											
	743	2.18	4.65	-13.96	-6.68	-2.63	9.08	193.22	-101.50	92.81	-
1.09139.68											
	742	1.81	-2.97	-3.97	-2.98	-3.96	0.10	212.62	-89.62	111.95	
11.05142.45											
780 223	840	1.08	-0.71	-6.42	-4.93	-2.20	-2.51	102.61	-48.86	59.07	-
5.3268.55											
	841	1.27	-1.44	-12.45	-11.62	-2.26	2.90	143.49	-39.10	108.22	-
3.8272.08											
	743	2.03	4.61	-14.70	-7.61	-2.48	9.31	184.48	-81.55	93.89	
9.04126.07											
	742	1.65	-3.31	-4.16	-3.52	-3.95	0.37	171.45	-109.30	61.72	
0.42136.99											
781 15	841	2.04	20.85	-1.50	20.74	-1.39	-1.60	36.76	-192.52	-153.63	-
2.1386.04											
	842	1.28	4.37	-5.68	2.02	-3.34	4.25	64.95	-116.64	-49.03	-
2.6687.78											
	744	3.16	40.78	-12.25	31.84	-3.31	19.85	160.03	-184.58	-51.91	
27.36167.68											
	743	2.85	29.54	-10.40	29.42	-10.28	-2.23	100.87	-244.77	-136.78	-
7.12160.20											
781 95	841	4.07	-2.13	-21.32	-20.74	-2.71	-3.29	153.73	-441.01	-263.44	-
23.83-272.17											
	842	3.95	-2.76	-29.95	-29.64	-3.07	2.90	133.92	-443.14	-290.33	-
18.89-254.61											
	744	3.44	3.53	-21.45	-18.27	0.35	8.32	143.49	-399.63	-251.21	-
4.94-242.04											
	743	3.33	-1.49	-13.84	-12.89	-2.45	3.30	162.96	-393.19	-219.58	-
10.65-257.71											
781 152	841	2.73	-1.67	-15.60	-15.15	-2.13	-2.48	102.69	-290.93	-172.32	-
15.93-180.61											
	842	2.66	-2.14	-22.21	-21.94	-2.40	2.28	88.87	-294.52	-193.06	-
12.60-169.13											
	744	2.31	2.75	-16.12	-13.57	0.21	6.45	94.61	-264.73	-167.40	-
2.72-159.69											
	743	2.20	-1.16	-10.23	-9.45	-1.94	2.54	108.05	-257.73	-143.04	-
6.64-169.70											
781 159	841	0.57	2.10	-2.60	1.31	-1.82	-1.76	17.97	-56.00	-37.13	-
0.8932.24											
	842	0.64	-1.43	-9.78	-8.60	-2.62	2.92	24.99	-40.13	-14.24	-
0.8931.87											
	744	1.33	12.58	-9.11	4.68	-1.22	10.43	61.84	-67.30	-17.01	
11.5562.97											
	743	0.85	6.22	-4.78	6.17	-4.73	0.71	48.33	-80.11	-31.36	-
0.4262.33											
781 164	841	0.50	-1.81	-10.46	-9.89	-2.39	-2.16	26.32	-1.80	24.84	-
0.326.28											
	842	0.54	-2.17	-16.85	-16.36	-2.66	2.64	6.82	-3.11	3.71	-6.83e-
034.60											
	744	0.64	3.13	-13.80	-10.46	-0.21	6.74	15.03	-10.22	0.52	
4.2912.49											
	743	0.34	-1.08	-7.64	-6.41	-2.31	2.57	33.40	-4.84	25.11	
3.4515.75											
781 191	841	1.83	-1.79	-6.47	-5.62	-2.65	-1.81	206.04	-71.00	127.34	
7.70124.94											
	842	1.56	-2.03	-13.00	-12.11	-2.92	2.99	181.39	-69.40	105.82	
6.17115.07											
	744	1.85	3.89	-11.99	-7.63	-0.46	7.09	176.28	-80.83	87.84	
7.61122.13											
	743	1.83	-0.10	-6.02	-3.56	-2.56	2.92	204.59	-81.71	112.83	
10.06133.61											
781 223	841	1.36	-1.96	-12.78	-12.33	-2.41	-2.16	131.15	-32.64	102.76	-
4.2562.00											
	842	1.32	-2.26	-18.98	-18.56	-2.68	2.62	121.74	-27.53	96.98	-

2.7755.52											
	744	1.51	2.77	-14.72	-11.87	-0.08	6.46	147.66	-60.04	77.28	
10.3498.31											
	743	1.66	-1.25	-8.84	-7.85	-2.24	2.55	184.96	-84.03	91.58	
9.35128.06											
782 16	842	1.14	7.19	-1.31	7.18	-1.31	0.22	62.09	-116.21	-51.61	-
2.5185.70											
	843	0.97	-3.57	-14.97	-14.80	-3.75	1.41	79.74	-66.24	17.59	-
4.1072.18											
	745	2.67	38.32	-2.23	30.75	5.35	15.80	169.77	-110.96	4.07	
54.74138.06											
	744	2.39	31.15	-6.98	29.67	-5.50	7.36	153.60	-182.37	-54.75	
25.98163.06											
782 95	842	4.11	-2.60	-29.66	-28.94	-3.32	-4.37	96.30	-440.59	-320.05	-
24.24-224.02											
	843	3.74	-3.28	-27.10	-27.01	-3.37	1.45	72.40	-432.76	-338.09	-
22.27-197.14											
	745	3.45	1.37	-19.58	-19.33	1.11	-2.29	96.20	-378.06	-278.23	-
3.63-193.34											
	744	3.46	0.89	-18.50	-18.33	0.72	-1.80	116.20	-379.50	-258.23	-
5.08-213.09											
782 152	842	2.80	-2.05	-22.08	-21.55	-2.59	-3.23	63.77	-292.93	-212.99	-
16.17-148.74											
	843	2.54	-2.53	-20.17	-20.08	-2.62	1.26	47.83	-289.53	-226.89	-
14.82-131.19											
	745	2.34	0.96	-14.57	-14.40	0.80	-1.59	63.70	-253.18	-187.63	-
1.85-128.36											
	744	2.33	0.61	-13.75	-13.64	0.50	-1.26	76.51	-251.54	-172.25	-
2.78-140.44											
782 159	842	0.48	-1.96	-9.22	-8.89	-2.29	-1.51	24.33	-40.54	-15.35	-
0.8631.61											
	843	0.62	-2.84	-15.61	-15.32	-3.13	1.91	23.82	-26.65	-1.60	-
1.2325.23											
	745	0.87	7.34	-2.59	2.67	2.08	4.96	56.88	-45.16	-9.37	
21.0948.69											
	744	0.85	3.66	-2.60	2.80	-1.74	2.16	60.75	-67.81	-18.74	
11.6862.46											
782 164	842	0.57	-2.40	-17.31	-16.92	-2.78	-2.38	6.16	-3.41	2.79	-
0.034.57											
	843	0.57	-2.47	-15.94	-15.58	-2.82	2.16	0.47	-11.46	-11.19	
0.20 1.76											
	745	0.51	0.46	-11.39	-11.37	0.45	-0.46	5.03	-16.85	-16.09	
4.27 4.01											
	744	0.40	0.16	-10.66	-10.64	0.14	-0.45	14.33	-10.54	-0.73	
4.53 12.16											
782 190	842	1.96	-1.99	-20.70	-20.12	-2.57	-3.24	38.83	-185.40	-135.84	-
10.73-93.04											
	843	1.79	-2.51	-18.95	-18.85	-2.61	1.29	28.74	-188.26	-149.67	-
9.85-82.97											
	745	1.66	0.77	-14.19	-14.07	0.66	-1.33	38.90	-165.50	-126.29	-
0.32-80.48											
	744	1.59	0.48	-13.40	-13.27	0.35	-1.31	45.68	-157.39	-111.07	-
0.65-85.21											
782 223	842	1.41	-2.46	-19.47	-19.12	-2.81	-2.40	113.88	-22.31	94.59	-
3.0247.49											
	843	1.06	-2.53	-17.37	-17.06	-2.84	2.11	87.77	-18.51	71.25	-
1.9838.51											
	745	1.10	0.64	-12.60	-12.51	0.55	-1.09	96.39	-40.41	50.61	
5.3764.55											
	744	1.49	0.34	-12.09	-12.04	0.29	-0.74	148.59	-63.08	75.13	
10.38100.77											
783 15	843	1.10	-3.41	-13.41	-12.63	-4.18	-2.68	79.14	-66.95	15.55	-
3.3672.43											
	844	1.00	-2.92	-17.75	-17.58	-3.09	1.56	77.25	-33.47	50.18	-
6.4047.59											
	746	1.52	26.40	-4.12	26.36	-4.09	1.07	153.81	-39.61	35.92	
78.2894.36											
	745	1.80	12.94	4.47	12.35	5.05	-2.14	168.12	-113.55	-0.62	
55.19138.04											

783	95	843	3.25	-2.13	-21.65	-19.87	-3.91	-5.62	62.10	-353.50	-280.24	-11.15-158.36
		844	2.43	-3.28	-6.72	-6.16	-3.83	1.27	27.91	-338.37	-283.79	-26.68-130.44
		746	2.78	2.15	-17.72	-11.93	-3.63	-9.03	58.88	-290.07	-220.39	-10.80-139.50
		745	3.29	6.55	-23.48	-17.41	0.49	-12.06	86.79	-304.89	-219.87	1.77-161.47
783	152	843	2.23	-1.70	-16.54	-15.27	-2.97	-4.15	40.99	-236.71	-188.32	-7.41-105.34
		844	1.63	-2.37	-5.39	-4.86	-2.91	1.15	18.44	-226.95	-190.75	-17.77-87.03
		746	1.91	1.54	-13.18	-8.87	-2.76	-6.70	39.44	-195.20	-148.82	-6.94-93.44
		745	2.27	4.94	-17.64	-13.09	0.39	-9.06	57.47	-204.46	-148.72	1.73-107.20
783	163	843	0.87	-1.94	-15.76	-14.95	-2.75	-3.25	6.06	-53.90	-46.52	-1.32-19.70
		844	0.46	-1.55	-6.49	-5.34	-2.71	2.09	2.88	-53.74	-47.41	-3.46-17.85
		746	0.73	0.89	-10.69	-7.20	-2.61	-5.32	9.23	-50.17	-41.10	0.15-21.38
		745	0.96	4.38	-15.34	-11.40	0.44	-7.89	10.31	-49.16	-42.46	3.61-18.81
783	164	843	0.56	-2.01	-15.90	-15.21	-2.71	-3.03	0.47	-11.43	-11.17	0.21 1.74
		844	0.27	-1.40	-6.89	-5.62	-2.66	2.31	0.14	-11.67	-11.64	0.12-0.54
		746	0.44	0.82	-10.24	-6.86	-2.56	-5.10	2.63	-14.92	-14.25	1.97-3.35
		745	0.64	4.31	-14.91	-11.09	0.49	-7.67	4.67	-16.57	-16.03	4.12 3.35
783	194	843	1.61	-1.50	-16.58	-15.18	-2.90	-4.38	23.69	-151.72	-122.89	-5.13-65.00
		844	1.10	-2.56	-5.92	-5.61	-2.86	0.96	10.31	-146.58	-124.67	-11.60-54.38
		746	1.39	1.29	-13.05	-9.00	-2.76	-6.45	24.18	-127.97	-99.36	-4.43-59.45
		745	1.69	4.85	-17.59	-13.03	0.29	-9.03	34.02	-132.05	-99.85	1.82-65.66
783	224	843	1.24	-2.03	-16.55	-15.87	-2.71	-3.06	11.14	-102.83	-94.21	2.52-30.14
		844	0.67	-1.39	-6.91	-5.66	-2.65	2.31	11.80	-81.29	-72.48	2.99-27.25
		746	1.06	0.97	-10.97	-7.31	-2.68	-5.50	26.74	-86.10	-61.43	2.06-46.64
		745	1.58	4.55	-15.99	-11.93	0.49	-8.18	37.53	-120.58	-84.06	1.01-66.64
784	15	844	1.06	2.77	-9.54	-4.85	-1.91	-5.98	84.80	-32.77	58.24	-6.2149.17
		845	0.27	1.34	-4.58	0.65	-3.88	1.91	10.61	-6.10	10.05	-5.543.01
		747	1.02	8.30	-8.54	6.11	-6.34	5.67	119.75	-2.27	8.26	109.2234.27
		746	1.61	9.78	-5.73	6.10	-2.05	-6.60	157.86	-40.87	39.00	77.9897.44
784	95	844	1.57	0.40	-7.59	-4.20	-2.99	-3.95	43.80	-173.30	-122.52	-6.98-91.90
		845	1.45	8.85	-4.68	7.27	-3.11	4.33	8.25	-158.49	-115.89	-34.35-72.72
		747	1.46	1.16	-12.54	-2.75	-8.63	6.19	34.61	-148.85	-83.28	-30.96-87.92
		746	2.38	10.16	-23.90	-8.66	-5.08	-16.93	80.54	-159.36	-93.48	14.66-107.07
784	152	844	1.08	0.42	-5.84	-3.19	-2.23	-3.09	28.96	-116.72	-83.14	-4.63-61.36
		845	1.00	6.71	-3.51	5.53	-2.34	3.26	5.51	-105.74	-77.29	-22.93-48.53
		747	1.02	0.93	-9.50	-2.05	-6.53	4.71	23.39	-99.84	-55.47	-

20.98-59.15										
	746	1.70	7.89	-18.27	-6.54	-3.84	-13.01	53.88	-107.95	-64.04
9.97-71.95										
784 163	844	0.42	1.03	-5.80	-2.89	-1.88	-3.37	4.71	-30.81	-25.33
0.77-12.84										
	845	0.41	6.19	-3.05	5.18	-2.05	2.88	1.18	-21.61	-15.66
4.77-10.01										
	747	0.46	1.15	-8.72	-1.68	-5.90	4.46	6.70	-23.73	-10.79
6.24-15.04										
	746	0.99	8.19	-17.50	-5.84	-3.46	-12.79	12.17	-32.11	-23.08
3.13-17.84										
784 164	844	0.26	1.14	-5.87	-2.94	-1.79	-3.46	0.24	-10.98	-10.93
0.19-0.69										
	845	0.27	6.09	-2.93	5.12	-1.96	2.79	0.14	-0.62	-0.25
0.23-0.38										
	747	0.34	1.16	-8.56	-1.58	-5.81	4.37	3.21	-5.36	0.39
2.53-4.03										
	746	0.83	8.37	-17.49	-5.75	-3.38	-12.88	2.66	-14.11	-12.92
1.46-4.31										
784 190	844	0.78	0.88	-5.89	-2.87	-2.13	-3.36	17.10	-77.90	-56.96
3.85-39.38										
	845	0.72	6.20	-3.29	5.22	-2.30	2.89	2.63	-67.90	-49.50
15.77-30.97										
	747	0.75	0.80	-9.03	-2.08	-6.16	4.47	14.92	-65.63	-35.30
15.41-39.03										
	746	1.37	7.86	-17.82	-6.24	-3.72	-12.78	33.66	-73.84	-45.40
5.22-47.42										
784 224	844	0.67	1.14	-5.87	-2.97	-1.76	-3.45	6.69	-72.35	-67.72
2.06-18.57										
	845	0.32	6.18	-2.93	5.20	-1.94	2.83	14.30	-6.21	8.20
0.11-9.37										
	747	0.55	1.21	-8.59	-1.58	-5.81	4.42	28.32	-25.90	13.22
10.79-24.31										
	746	1.51	8.44	-18.13	-6.11	-3.59	-13.23	37.81	-90.06	-55.79
3.55-56.63										
785 16	846	0.21	-4.29	-6.13	-5.41	-5.00	0.89	7.23	-4.12	6.73
3.62-2.33										
	847	0.67	6.75	-4.09	4.75	-2.09	4.20	69.84	-21.10	53.23
4.48-35.14										
	749	2.25	39.47	-5.38	26.93	7.16	-20.13	121.22	-25.01	41.48
54.73-72.82										
	748	0.73	8.07	-1.73	6.08	0.25	-3.94	89.27	-4.52	5.06
79.69-28.40										
785 36	846	0.26	-3.92	-8.08	-6.04	-5.96	2.08	0.29	-7.42	0.28
7.410.23										
	847	0.70	6.94	-5.96	4.02	-3.05	5.40	61.60	-22.48	46.83
7.71-31.99										
	749	2.10	36.12	-5.78	24.13	6.21	-18.94	113.41	-26.14	35.80
51.47-69.33										
	748	0.63	4.77	-2.08	3.39	-0.70	-2.75	83.65	-8.35	-0.64
75.94-25.50										
785 152	846	0.72	6.04	-3.34	5.30	-2.61	-2.52	6.20	-68.21	-47.45
14.5633.37										
	847	0.72	1.93	-5.01	-1.47	-1.60	3.47	29.99	-60.18	-35.34
5.1540.29										
	749	1.45	7.17	-24.56	-9.01	-8.38	15.86	37.90	-49.42	-18.57
7.0541.74										
	748	0.72	2.27	-8.64	-2.26	-4.11	-5.38	15.40	-56.19	-34.23
6.5633.01										
785 158	846	0.29	6.54	-3.19	5.48	-2.14	-3.02	1.00	-0.24	0.90
0.14-0.33										
	847	0.20	1.83	-4.05	-1.10	-1.13	2.94	9.66	-0.45	9.52
0.32-1.17										
	749	0.98	7.30	-22.93	-7.82	-7.81	15.11	14.51	-2.04	13.00
0.53-4.77										
	748	0.41	3.59	-8.43	-1.27	-3.57	-5.90	9.26	-3.01	0.87
5.38-5.70										
785 164	846	0.29	6.45	-3.23	5.41	-2.19	-3.00	0.96	-0.23	0.87
0.14-0.31										

	847	0.19	2.00	-3.78	-0.67	-1.12	2.88	9.06	-0.41	8.95	-
0.30-1.03											
	749	0.95	6.97	-22.37	-7.60	-7.80	14.67	13.73	-1.99	12.38	-
0.64-4.40											
	748	0.41	3.78	-8.37	-1.28	-3.32	-5.99	8.76	-2.89	0.84	
5.03-5.43											
785 187	846	0.51	5.66	-3.46	5.03	-2.83	-2.30	38.89	-2.50	29.34	
7.05-17.44											
	847	0.53	2.16	-5.02	-1.09	-1.77	3.57	45.54	-14.49	35.68	-
4.62-22.24											
	749	1.29	6.69	-24.03	-8.88	-8.45	15.36	46.80	-21.07	31.99	-
6.26-28.03											
	748	0.62	2.11	-8.58	-2.50	-3.97	-5.30	44.65	-9.26	24.45	
10.94-26.09											
785 227	846	0.33	6.60	-3.21	5.53	-2.14	-3.05	5.78	-13.52	-7.79	
0.05-8.82											
	847	0.51	1.91	-3.89	-0.90	-1.09	2.90	58.98	-4.78	55.84	-
1.64-13.80											
	749	1.51	7.20	-23.42	-8.14	-8.08	15.31	73.28	-35.59	47.42	-
9.74-46.33											
	748	0.61	3.76	-8.45	-1.26	-3.43	-6.00	19.12	-27.14	-11.74	
3.71-21.80											
786 16	847	0.57	-0.80	-4.73	-3.25	-2.27	-1.90	64.86	-21.05	48.39	-
4.57-33.82											
	848	1.49	33.92	-2.46	33.91	-2.45	0.45	67.09	-39.71	29.73	-
2.34-50.93											
	750	2.75	57.96	-5.91	53.23	-1.18	-16.73	125.93	-67.56	19.89	
38.49-96.30											
	749	2.94	61.85	-12.05	51.11	-1.31	-26.05	116.85	-21.86	40.66	
54.33-69.02											
786 95	847	1.49	-1.63	-6.74	-6.63	-1.74	-0.74	28.97	-190.55	-148.76	-
12.8386.19											
	848	2.77	-0.24	-37.62	-35.98	-1.88	7.65	51.29	-212.31	-156.69	-
4.33107.56											
	750	3.75	16.83	-56.78	-35.22	-4.74	33.51	74.37	-182.21	-110.86	
3.02114.96											
	749	2.18	2.12	-28.78	-17.76	-8.90	14.80	44.94	-153.04	-101.71	-
6.3886.76											
786 152	847	0.98	-1.19	-4.85	-4.63	-1.41	-0.85	19.42	-126.00	-97.99	-
8.6057.35											
	848	1.94	-0.34	-28.28	-27.11	-1.51	5.61	34.32	-141.45	-104.24	-
2.8971.81											
	750	2.70	12.74	-42.97	-26.50	-3.72	25.42	49.98	-121.57	-73.27	
1.6877.16											
	749	1.52	1.45	-21.43	-13.08	-6.91	11.02	29.98	-100.49	-66.08	-
4.4257.49											
786 163	847	0.27	0.44	-4.25	-2.07	-1.74	-2.34	4.81	-19.36	-12.58	-
1.9710.86											
	848	0.98	-1.08	-24.56	-23.80	-1.84	4.14	7.63	-27.83	-19.61	-
0.5914.97											
	750	1.76	11.61	-39.11	-23.34	-4.17	23.48	12.82	-25.40	-10.92	-
1.6618.54											
	749	0.70	0.47	-17.67	-9.95	-7.24	8.97	7.02	-11.89	-2.99	-
1.899.44											
786 164	847	0.18	0.98	-4.41	-1.60	-1.83	-2.70	8.96	-0.38	8.89	-
0.32-0.78											
	848	0.79	-1.28	-24.04	-23.39	-1.92	3.79	1.91	-0.31	1.62	-
0.020.76											
	750	1.53	11.42	-38.38	-22.71	-4.25	23.13	6.46	-4.21	4.76	-
2.513.90											
	749	0.63	0.37	-16.97	-9.27	-7.33	8.61	13.42	-1.73	12.95	-
1.27-2.62											
786 196	847	0.59	-1.58	-4.26	-4.08	-1.75	-0.66	11.45	-73.94	-57.13	-
5.3533.95											
	848	1.50	-0.50	-26.92	-25.57	-1.85	5.82	20.31	-85.92	-63.67	-
1.9443.23											
	750	2.29	12.24	-42.72	-26.31	-4.18	25.16	30.24	-74.46	-43.78	-
0.4447.65											
	749	1.16	0.84	-21.26	-13.18	-7.25	10.65	17.38	-57.07	-36.34	-

3.3633.37											
786	228	847	0.48	1.02	-4.39	-1.56	-1.81	-2.71	10.27	-50.23	-41.83
1.8720.91											
		848	1.35	-1.28	-24.46	-23.82	-1.92	3.81	9.71	-80.36	-72.39
1.7325.59											
		750	2.32	11.58	-39.32	-23.46	-4.28	23.58	38.86	-93.40	-54.69
0.1560.18											
		749	0.97	0.44	-17.52	-9.64	-7.44	8.91	24.75	-44.15	-25.55
6.1630.58											
787	16	848	1.39	28.40	-2.96	28.20	-2.76	-2.52	65.81	-40.70	27.96	-
2.86-50.98											
		849	2.35	64.38	-0.65	64.38	-0.65	-0.32	55.65	-70.34	-13.32	-
1.38-62.71											
		751	3.05	73.32	-10.57	72.10	-9.36	-10.02	121.36	-118.63	-20.28	
23.02-118.03											
		750	3.70	80.41	-12.34	68.47	-0.40	-31.06	125.63	-68.08	18.50	
39.05-96.31											
787	95	848	3.05	-2.22	-43.54	-43.52	-2.23	0.77	62.92	-254.50	-183.52	-
8.06132.26											
		849	4.56	-2.23	-82.49	-81.79	-2.93	7.46	72.44	-287.99	-204.21	-
11.33152.24											
		751	4.83	14.86	-74.32	-59.66	0.21	33.05	91.87	-260.85	-164.12	-
4.85157.36											
		750	3.72	8.45	-53.13	-40.00	-4.67	25.22	79.37	-222.62	-137.91	-
5.34135.67											
787	152	848	2.12	-1.77	-32.28	-32.28	-1.77	0.31	42.05	-169.69	-122.25	-
5.3988.29											
		849	3.27	-1.81	-62.15	-61.65	-2.31	5.47	48.06	-193.56	-137.99	-
7.51101.68											
		751	3.48	11.30	-56.12	-44.90	0.09	25.11	61.34	-176.15	-111.44	-
3.36105.74											
		750	2.64	6.37	-39.83	-29.79	-3.66	19.05	53.36	-148.71	-91.48	-
3.8791.04											
787	163	848	0.99	-1.98	-25.77	-25.71	-2.04	-1.15	9.03	-34.14	-23.94	-
1.1718.34											
		849	2.09	-2.27	-54.91	-54.60	-2.58	4.03	8.55	-48.40	-38.64	-
1.2021.45											
		751	2.26	10.62	-50.52	-39.60	-0.29	23.41	12.96	-48.77	-34.39	-
1.4226.10											
		750	1.51	5.67	-34.28	-24.56	-4.04	17.14	13.61	-31.83	-15.61	-
2.6121.77											
787	164	848	0.79	-2.01	-24.59	-24.49	-2.11	-1.51	1.23	-0.65	0.70	-
0.120.85											
		849	1.85	-2.39	-53.68	-53.41	-2.65	3.68	0.51	-14.03	-13.89	
0.38	1.40										
		751	1.96	10.49	-49.34	-38.49	-0.36	23.06	1.40	-17.55	-15.21	-
0.946.23											
		750	1.23	5.59	-33.13	-23.42	-4.11	16.78	5.89	-4.75	3.46	-
2.324.47											
787	196	848	1.65	-1.82	-31.30	-31.29	-1.83	0.56	24.54	-104.94	-76.93	-
3.4653.31											
		849	2.77	-1.81	-60.59	-60.02	-2.38	5.75	27.44	-123.89	-91.87	-
4.5961.82											
		751	2.98	11.17	-56.17	-44.92	-0.08	25.13	36.43	-114.66	-75.75	-
2.4766.07											
		750	2.18	6.02	-39.89	-30.03	-3.84	18.86	32.42	-92.36	-56.74	-
3.1956.35											
787	228	848	1.33	-2.01	-25.02	-24.93	-2.10	-1.50	14.41	-86.34	-73.72	
1.8033.35											
		849	2.53	-2.39	-54.76	-54.50	-2.65	3.69	16.34	-111.71	-98.40	
3.0339.08											
		751	2.99	10.66	-50.72	-39.68	-0.38	23.57	49.73	-137.58	-84.05	-
3.8084.63											
		750	1.99	5.77	-34.10	-24.18	-4.15	17.24	35.49	-91.40	-56.17	
0.2756.82											
788	7	849	2.65	-3.53	-77.08	-77.04	-3.57	-1.72	0.59	-21.22	-21.00	
0.38	2.16										
		850	3.71	-3.85	-107.10	-106.94	-4.00	3.98	0.94	-30.68	-30.68	
0.94-0.04											

	752	2.83	7.60	-73.58	-68.54	2.55	19.60	1.69	-37.45	-37.39	
1.63 1.54											
	751	2.34	7.49	-60.70	-53.05	-0.15	21.51	1.93	-26.24	-23.22	-
1.098.71											
788 95	849	4.56	-2.99	-88.56	-88.41	-3.15	-3.66	94.57	-302.49	-197.79	-
10.13174.96											
	850	5.70	-3.54	-117.87	-117.83	-3.58	2.07	100.66	-325.52	-208.47	-
16.38190.22											
	752	4.95	6.53	-81.12	-77.44	2.85	17.56	114.68	-299.37	-176.70	-
8.00189.06											
	751	4.46	5.58	-67.67	-62.23	0.13	19.21	111.96	-278.33	-161.67	-
4.71178.67											
788 152	849	3.27	-2.36	-66.31	-66.20	-2.46	-2.62	62.72	-203.31	-133.88	-
6.71116.84											
	850	4.13	-2.75	-88.85	-88.81	-2.79	1.79	66.37	-219.07	-141.87	-
10.83126.79											
	752	3.57	5.10	-61.32	-58.36	2.14	13.70	75.63	-202.14	-121.34	-
5.16126.15											
	751	3.20	4.41	-51.03	-46.66	0.05	14.93	74.65	-187.90	-110.02	-
3.24119.93											
788 160	849	2.13	-2.63	-60.25	-60.24	-2.63	-0.59	0.24	-25.58	-24.65	-
0.684.81											
	850	2.93	-2.78	-82.81	-82.62	-2.96	3.84	0.13	-31.73	-31.23	-
0.373.96											
	752	2.30	5.92	-58.99	-54.95	1.88	15.68	1.20	-35.00	-34.33	
0.53 4.90											
	751	1.93	5.49	-49.08	-43.36	-0.22	16.72	1.93	-27.86	-24.53	-
1.399.39											
788 164	849	1.88	-2.68	-54.52	-54.48	-2.72	-1.37	0.42	-15.26	-15.12	
0.28 1.48											
	850	2.67	-2.92	-77.03	-76.90	-3.05	3.06	0.68	-21.68	-21.68	
0.68 -0.15											
	752	2.09	5.75	-54.43	-50.48	1.80	14.90	1.27	-26.59	-26.57	
1.25 0.83											
	751	1.71	5.43	-44.59	-38.85	-0.31	15.94	1.30	-18.84	-16.78	-
0.756.09											
788 187	849	2.99	-2.54	-69.23	-69.22	-2.55	0.80	131.67	-26.91	95.96	
8.81-66.25											
	850	3.76	-2.57	-91.82	-91.51	-2.88	5.24	136.58	-35.56	89.82	
11.20-76.57											
	752	3.01	6.29	-65.47	-61.14	1.97	17.07	106.17	-49.09	49.10	
7.97-74.85											
	751	2.68	5.78	-55.57	-49.65	-0.14	18.11	97.96	-35.44	58.48	
4.04-60.89											
788 228	849	2.53	-2.68	-55.60	-55.57	-2.71	-1.35	20.83	-118.73	-100.64	
2.7446.88											
	850	3.33	-2.91	-78.88	-78.76	-3.04	3.08	25.01	-118.31	-97.47	
4.1750.52											
	752	3.14	5.89	-56.34	-52.19	1.73	15.54	64.76	-157.70	-89.19	-
3.75102.70											
	751	2.68	5.59	-45.98	-40.04	-0.34	16.45	46.35	-136.53	-86.41	-
3.7781.57											
789 7	850	3.72	-3.92	-107.32	-107.26	-3.98	-2.45	0.59	-31.35	-31.35	
0.59 0.20											
	851	3.98	-3.88	-118.56	-118.47	-3.98	3.23	2.27	-14.84	-13.70	
1.13-4.27											
	753	2.66	1.86	-74.65	-74.26	1.47	5.47	8.24	-25.47	-21.32	
4.10-11.07											
	752	2.66	3.99	-70.08	-68.75	2.66	9.85	1.92	-38.13	-38.11	
1.91 0.82											
789 51	850	5.70	-4.03	-163.36	-163.26	-4.13	3.91	71.09	-15.47	46.79	
8.83-38.90											
	851	6.24	-3.58	-174.83	-174.29	-4.12	9.61	93.51	-19.04	64.28	
10.18-49.35											
	753	4.33	2.45	-116.73	-115.52	1.24	11.93	84.49	-31.67	42.53	
10.29-55.80											
	752	4.10	4.65	-112.49	-110.23	2.39	16.10	55.77	-22.64	25.86	
7.27-38.09											
789 130	850	4.11	-3.11	-119.18	-119.13	-3.16	2.35	45.32	-11.13	28.24	

5.94-25.93										
	851	4.53	-2.79	-128.01	-127.64	-3.15	6.74	61.88	-13.31	41.67
6.89-33.33										
	753	3.12	1.81	-85.18	-84.33	0.96	8.54	56.35	-22.64	26.43
7.28-38.32										
	752	2.94	3.49	-81.88	-80.24	1.85	11.72	35.04	-16.37	13.63
5.04-25.35										
789 161	850	2.87	-3.05	-85.07	-85.06	-3.06	-1.04	3.30	-13.66	-11.90
1.54 -5.17										
	851	3.09	-2.93	-93.85	-93.73	-3.05	3.36	11.00	-7.56	1.43
2.01-9.27										
	753	2.09	1.43	-60.99	-60.54	0.99	5.25	14.16	-16.21	-6.04
3.99-14.33										
	752	2.09	3.01	-57.52	-56.37	1.86	8.27	3.21	-19.79	-18.74
2.16 -4.81										
789 164	850	2.67	-2.99	-77.22	-77.17	-3.04	-1.89	0.44	-22.16	-22.16
0.44 0.01										
	851	2.88	-2.96	-85.94	-85.86	-3.03	2.51	1.80	-9.86	-8.86
0.80-3.27										
	753	1.96	1.36	-55.19	-54.84	1.01	4.40	6.52	-17.77	-14.41
3.17-8.38										
	752	1.95	2.91	-51.67	-50.64	1.88	7.42	1.45	-27.09	-27.09
1.44 0.33										
789 187	850	3.72	-2.99	-96.16	-96.16	-2.99	-0.10	133.61	-61.82	64.01
7.79-93.58										
	851	4.18	-2.81	-104.97	-104.79	-2.99	4.30	152.05	-63.63	77.82
10.60-102.47										
	753	3.08	1.61	-68.36	-67.81	1.06	6.19	144.48	-74.36	59.67
10.45-106.61										
	752	2.92	3.19	-64.93	-63.66	1.92	9.21	120.87	-68.05	46.48
6.33-92.30										
789 228	850	3.31	-2.97	-79.05	-79.00	-3.02	-1.88	30.02	-126.82	-100.21
3.4158.87										
	851	3.28	-2.94	-88.83	-88.75	-3.02	2.55	44.73	-76.82	-37.87
5.7956.72										
	753	2.69	1.34	-57.66	-57.18	0.86	5.30	92.88	-129.05	-39.25
3.08108.93										
	752	2.87	2.98	-53.52	-52.35	1.81	8.05	61.10	-156.42	-91.66
3.6699.46										
790 16	851	3.84	84.98	-3.19	84.88	-3.09	-2.99	30.12	-160.67	-134.69
4.15-65.43										
	852	5.19	99.25	-2.28	99.25	-2.27	-0.40	-6.70	-284.61	-279.44
11.86-37.53										
	754	3.43	59.86	2.19	59.45	2.61	-4.87	-12.23	-255.76	-232.66
35.33-71.36										
	753	3.21	67.67	0.17	67.45	0.39	-3.83	55.85	-195.47	-123.60
16.02-113.57										
790 51	851	6.63	-5.00	-189.50	-189.36	-5.15	5.14	90.43	-26.16	55.49
8.78-53.41										
	852	7.10	-4.40	-192.11	-191.08	-5.43	13.87	125.56	-35.06	95.47
4.97-62.67										
	754	4.42	-6.60	-114.26	-113.55	-7.32	8.75	121.30	-45.59	80.14
4.43-71.94										
	753	4.37	-0.67	-122.00	-121.82	-0.85	4.63	89.21	-37.24	38.29
13.68-62.02										
790 130	851	4.78	-3.72	-137.58	-137.51	-3.79	3.06	59.76	-18.18	35.89
5.69-35.92										
	852	5.13	-3.30	-139.58	-138.88	-4.00	9.77	87.03	-23.25	66.71
2.93-42.75										
	754	3.17	-5.01	-82.68	-82.24	-5.46	5.87	84.68	-31.05	56.06
2.43-49.94										
	753	3.14	-0.41	-88.65	-88.57	-0.49	2.69	59.97	-26.48	23.81
9.68-42.64										
790 161	851	3.11	-2.86	-94.66	-94.63	-2.89	-1.57	9.52	-8.62	0.72
0.18-9.07										
	852	3.40	-2.82	-96.56	-96.28	-3.10	5.12	37.51	-4.06	31.76
1.70-14.36										
	754	1.98	-4.51	-55.55	-55.51	-4.55	1.42	39.84	-10.09	27.06
2.69-21.78										

	753	2.13	0.40	-61.69	-61.63	0.35	-1.84	17.09	-17.12	-5.34	
5.31-16.26											
790 164	851	2.83	-2.58	-84.61	-84.51	-2.67	-2.73	-0.49	-9.01	-8.29	-
1.20-2.36											
	852	2.99	-2.69	-86.37	-86.18	-2.88	3.96	25.33	0.51	22.96	
2.88-7.30											
	754	1.70	-4.33	-49.04	-49.04	-4.33	0.26	28.63	-4.96	19.73	
3.94-14.82											
	753	1.97	0.73	-55.31	-55.15	0.57	-3.00	8.61	-17.27	-12.88	
4.21-9.72											
790 175	851	4.01	-3.42	-118.45	-118.45	-3.43	1.01	56.47	-46.65	10.23	-
0.41-51.29											
	852	4.35	-3.13	-120.58	-120.08	-3.63	7.70	81.92	-37.40	41.76	
2.76-56.39											
	754	2.67	-4.84	-70.78	-70.54	-5.09	4.01	83.43	-43.56	35.88	
3.99-61.46											
	753	2.65	-0.18	-76.69	-76.68	-0.19	0.74	59.87	-52.17	3.12	
4.57-56.01											
790 228	851	3.22	-2.53	-87.42	-87.33	-2.61	-2.72	50.24	-91.82	-42.77	
1.1867.54											
	852	3.77	-2.70	-91.13	-90.94	-2.89	4.15	141.06	-6.33	122.04	
12.6949.41											
	754	2.46	-4.63	-52.06	-52.00	-4.69	1.71	161.30	-41.98	97.82	
21.5094.21											
	753	2.47	0.45	-57.60	-57.52	0.37	-2.10	89.01	-125.40	-40.92	
4.53104.77											
791 16	852	5.08	94.12	-8.69	94.11	-8.68	1.07	49.74	-252.38	-239.25	
36.62-61.58											
	853	9.16	159.55	8.60	155.33	12.81	-24.87	-80.39	-635.76	-631.05	-
85.0950.90											
	755	3.32	21.71	5.18	21.70	5.19	-0.41	-61.13	-428.82	-423.51	-
66.4443.85											
	754	3.66	74.60	3.11	68.37	9.34	-20.17	-28.23	-269.32	-246.89	-
50.65-70.02											
791 29	852	8.82	-3.10	-218.33	-217.96	-3.47	8.90	245.30	-5.37	233.64	
6.29-52.78											
	853	10.71	-17.60	-273.56	-263.99	-27.16	48.54	315.29	60.27	284.68	
90.88-82.88											
	755	3.40	-17.08	-64.60	-58.02	-23.67	16.41	238.50	38.54	224.03	
53.00-51.80											
	754	4.92	-17.67	-113.73	-110.43	-20.97	17.49	216.47	4.27	192.82	
27.92-66.77											
791 119	852	6.26	-1.73	-156.28	-156.12	-1.90	5.07	166.13	-5.33	158.54	
2.26-35.27											
	853	7.70	-13.01	-198.41	-191.35	-20.07	35.49	218.72	42.51	197.03	
64.20-57.90											
	755	2.34	-13.08	-44.86	-40.55	-17.39	10.88	165.31	26.39	155.65	
36.05-35.34											
	754	3.52	-13.31	-82.88	-80.86	-15.33	11.68	149.42	2.83	132.35	
19.90-47.02											
791 160	852	3.59	2.25	-95.81	-95.64	2.08	-4.14	49.41	-12.04	48.46	-
11.10-7.56											
	853	4.90	-10.21	-135.47	-129.91	-15.77	25.80	94.98	22.03	82.65	
34.36-27.34											
	755	0.98	-12.63	-19.80	-19.29	-13.13	1.84	71.09	9.16	68.75	
11.50-11.83											
	754	2.16	-11.00	-59.52	-59.39	-11.12	2.46	61.29	-0.28	49.35	
11.66-24.34											
791 164	852	2.97	3.59	-81.54	-81.04	3.10	-6.47	20.87	-14.53	20.86	-
14.52-0.62											
	853	4.22	-9.53	-120.37	-115.16	-14.75	23.47	64.78	16.67	54.36	
27.09-19.82											
	755	0.68	-12.00	-14.13	-14.01	-12.12	-0.49	48.05	4.50	47.20	
5.35-6.03											
	754	1.85	-10.11	-54.27	-54.27	-10.11	0.14	40.09	-1.95	28.53	
9.61-18.77											
791 172	852	5.14	0.38	-119.98	-119.98	0.38	-0.21	173.29	5.65	173.24	
5.69-2.78											
	853	6.47	-11.29	-160.67	-154.49	-17.46	29.73	215.99	51.48	208.78	

58.69-33.68											
	755	1.91	-12.94	-32.43	-30.54	-14.83	5.77	162.11	27.75	160.44	
29.42-14.91											
	754	3.08	-12.12	-71.01	-70.30	-12.82	6.40	142.00	19.12	139.61	
21.52-16.98											
791 228	852	3.82	4.12	-85.79	-85.27	3.60	-6.80	132.27	-58.23	94.30	-
20.2576.10											
	853	7.19	-10.17	-131.06	-125.37	-15.86	25.61	489.04	62.09	488.75	
62.38 -11.11											
	755	2.51	-12.90	-15.52	-14.96	-13.46	1.07	352.14	68.77	350.01	
70.9024.48											
	754	2.59	-10.73	-58.05	-57.96	-10.83	2.13	166.35	-30.45	107.20	
28.6990.23											
792 5	853	3.99	-7.23	-90.83	-90.07	-8.00	7.95	58.75	-142.23	-139.11	
55.64-24.82											
	854	1.25	-5.27	-33.75	-30.88	-8.14	8.58	78.98	12.69	22.37	
69.3023.40											
	756	1.82	22.66	-39.13	-22.76	6.28	-27.27	-6.19	-10.22	-10.12	-
6.290.61											
	755	2.50	4.91	-58.66	-44.67	-9.07	-26.34	-42.43	-110.94	-110.87	-
42.502.19											
792 51	853	5.97	-7.59	-133.03	-131.09	-9.53	15.48	75.12	-250.80	-234.24	
58.56-71.56											
	854	3.00	-5.96	-77.02	-73.05	-9.93	16.32	48.07	-89.54	-81.39	
39.92-32.47											
	756	3.07	10.03	-55.99	-50.26	4.29	-18.59	-4.40	-162.49	-128.10	-
38.79-65.23											
	755	3.97	-5.87	-76.91	-72.14	-10.65	-17.78	-24.51	-236.81	-221.18	-
40.15-55.45											
792 130	853	4.37	-5.79	-97.54	-96.18	-7.15	11.08	55.63	-181.10	-169.94	
44.47-50.18											
	854	2.11	-4.53	-54.68	-51.75	-7.46	11.76	37.69	-56.27	-52.10	
33.51-19.36											
	756	2.21	8.55	-40.82	-35.72	3.45	-15.03	-3.64	-109.29	-86.47	-
26.46-43.48											
	755	2.89	-3.75	-56.72	-52.46	-8.00	-14.40	-21.15	-168.36	-158.56	-
30.95-36.70											
792 161	853	3.20	-5.49	-72.34	-71.65	-6.19	6.78	45.11	-120.12	-116.31	
41.30-24.82											
	854	1.14	-4.16	-31.00	-28.61	-6.55	7.65	49.87	0.37	2.40	
47.84 9.80											
	756	1.47	14.28	-30.46	-20.38	4.20	-18.69	-4.80	-27.74	-23.75	-
8.79-8.70											
	755	2.03	1.52	-45.14	-36.61	-7.01	-18.03	-30.71	-98.69	-98.21	-
31.19-5.68											
792 164	853	2.92	-5.42	-66.40	-65.85	-5.96	5.73	43.08	-105.68	-103.34	
40.73-18.52											
	854	0.93	-4.02	-25.20	-22.89	-6.33	6.60	58.68	9.28	16.22	
51.73 17.17											
	756	1.32	16.27	-28.47	-16.62	4.42	-19.74	-4.49	-8.02	-8.01	-
4.490.06											
	755	1.83	3.31	-42.87	-32.78	-6.78	-19.08	-31.32	-83.43	-83.35	-
31.402.01											
792 187	853	4.14	-6.23	-81.94	-81.20	-6.98	7.48	44.14	-211.96	-210.15	
42.34-21.44											
	854	1.99	-5.23	-40.27	-38.16	-7.34	8.34	29.87	-97.20	-95.56	
28.2214.37											
	756	2.01	11.91	-34.72	-26.23	3.41	-18.00	-24.94	-118.08	-115.79	-
27.24-14.44											
	755	2.72	-0.61	-49.64	-42.46	-7.80	-17.34	-27.84	-187.31	-186.14	-
29.01-13.57											
792 227	853	4.36	-6.12	-75.11	-74.43	-6.80	6.84	36.89	-279.84	-279.58	
36.63-8.95											
	854	1.12	-3.09	-30.15	-27.03	-6.20	8.63	57.56	40.10	44.99	
52.67 7.84											
	756	1.41	16.37	-30.81	-18.72	4.27	-20.60	-7.31	-16.65	-8.38	-
15.59-2.97											
	755	2.84	2.59	-45.72	-35.71	-7.41	-19.58	-70.06	-241.79	-239.87	-
71.98-18.05											

793	5	854	1.20	-8.34	-34.21	-33.19	-9.35	-5.02	46.97	-9.03	-9.03
46.96 0.54											
		855	0.39	4.21	0.38	2.94	1.64	1.80	20.83	-26.92	10.03
- 16.1219.98											
		757	0.81	10.43	-16.27	5.10	-10.94	-10.67	18.49	9.12	16.24
11.37 4.00											
		756	2.39	28.64	-50.44	-14.81	-6.98	-39.35	1.69	-13.59	-6.99
- 4.917.57											
793	29	854	1.57	-4.20	-44.42	-44.30	-4.32	-2.19	87.09	-0.36	35.12
51.61-42.94											
		855	0.88	7.98	-10.05	-8.66	6.60	4.80	54.13	-8.08	53.87
- 7.82-3.98											
		757	0.84	2.12	-12.83	-4.80	-5.91	-7.46	102.64	17.90	97.83
22.71-19.61											
		756	2.47	24.08	-50.48	-24.62	-1.78	-35.49	89.35	-11.22	75.15
2.98-35.03											
793	119	854	1.12	-3.71	-32.94	-32.81	-3.84	-1.96	60.61	0.98	22.46
39.12-28.63											
		855	0.59	5.58	-6.54	-5.50	4.54	3.39	36.93	-6.85	36.92
- 6.84-0.65											
		757	0.63	2.28	-9.98	-2.70	-5.00	-6.02	69.85	13.27	66.82
16.30-12.74											
		756	1.87	18.76	-38.51	-17.85	-1.89	-27.50	58.36	-7.50	49.34
1.52-22.64											
793	158	854	0.89	-6.38	-25.47	-24.62	-7.23	-3.93	36.27	-6.60	-6.60
36.27-1.56e-03											
		855	0.29	3.14	0.10	2.14	1.10	1.43	15.61	-19.91	7.28
- 11.5715.05											
		757	0.60	7.71	-12.24	3.80	-8.33	-7.92	12.59	7.03	11.35
8.27 2.31											
		756	1.77	21.22	-37.39	-10.91	-5.26	-29.17	0.72	-10.22	-5.59
- 3.915.40											
793	164	854	0.89	-6.41	-25.35	-24.57	-7.20	-3.78	35.34	-7.13	-7.13
35.34-7.36e-03											
		855	0.30	3.15	0.04	2.10	1.08	1.47	15.67	-20.31	7.52
- 12.1715.05											
		757	0.60	7.72	-11.89	3.76	-7.93	-7.87	13.35	7.38	12.03
8.71 2.48											
		756	1.75	20.90	-37.01	-10.81	-5.29	-28.82	0.83	-9.99	-5.68
- 3.475.30											
793	174	854	0.83	-6.48	-21.64	-18.59	-9.52	-6.08	38.22	-44.50	-38.18
31.9121.96											
		855	0.54	7.94	-1.32	7.86	-1.24	-0.83	5.47	-51.42	-24.78
- 21.1728.39											
		757	1.08	13.96	-14.53	9.69	-10.26	-10.17	1.16	-42.66	-37.81
- 3.6913.75											
		756	2.12	25.01	-37.30	-4.67	-7.62	-31.12	1.74	-65.58	-54.25
- 9.6025.19											
793	211	854	1.04	-6.48	-29.24	-29.23	-6.49	-0.46	23.06	-18.29	-14.74
19.52-11.57											
		855	0.47	4.80	-0.89	2.64	1.27	2.76	31.62	-24.40	27.10
- 19.8815.26											
		757	0.66	7.73	-11.10	1.51	-4.88	-8.85	59.81	26.02	59.25
26.57 4.28											
		756	1.89	20.03	-40.48	-15.15	-5.30	-29.85	8.88	-10.15	-1.78
0.52-9.45											
794	15	776	5.43	21.99	-139.99	-109.45	-8.55	-63.36	243.36	129.07	129.60
242.83 7.76											
		777	2.93	9.71	-66.59	-51.58	-5.31	-30.33	62.86	-41.64	-27.82
49.05-35.39											
		781	4.23	42.24	-71.70	1.21	-30.68	-54.69	-5.74	-197.97	-158.71
- 44.99-77.49											
		780	2.79	62.08	-18.03	39.34	4.71	-36.12	65.38	-56.07	65.36
- 56.061.25											
794	35	776	7.06	32.43	-180.28	-136.95	-10.90	-85.67	275.32	138.40	141.30
272.4219.72											
		777	3.80	9.12	-100.34	-80.31	-10.91	-42.33	46.87	-24.25	-22.64
45.27-10.56											
		781	4.91	57.15	-85.36	2.17	-30.37	-69.37	-1.55	-156.20	-116.65
-											

41.11-67.47											
	780	4.09	89.53	-36.42	41.54	11.57	-61.16	113.99	-19.25	113.95	-
19.21-2.20											
794 122	776	5.04	22.88	-128.63	-98.09	-7.66	-60.78	200.08	99.16	101.53	
197.7115.26											
	777	2.71	6.34	-70.71	-56.56	-7.81	-29.83	41.26	-17.76	-15.79	
39.28-10.62											
	781	3.53	40.36	-61.18	1.68	-22.49	-49.31	-6.15	-123.04	-94.65	-
34.54-50.13											
	780	2.87	63.50	-25.43	30.25	7.82	-43.03	75.71	-17.63	75.71	-
17.630.40											
794 159	776	3.24	12.75	-82.58	-65.32	-4.51	-36.71	151.13	72.60	74.34	
149.38 11.57											
	777	1.77	4.32	-38.42	-30.04	-4.06	-16.97	64.56	-21.73	-12.21	
55.04-27.03											
	781	2.52	23.80	-42.19	1.39	-19.79	-31.25	-22.94	-147.04	-124.66	-
45.32-47.71											
	780	1.56	37.24	-11.23	23.98	2.03	-21.61	21.84	-40.30	20.70	-
39.178.33											
794 164	776	2.52	9.59	-63.41	-50.89	-2.93	-27.51	124.39	51.34	54.96	
120.7815.85											
	777	1.41	1.92	-28.63	-22.67	-4.04	-12.11	77.07	-13.98	-5.19	
68.28-26.88											
	781	1.97	17.22	-32.34	1.75	-16.87	-22.97	-36.90	-143.25	-126.63	-
53.52-38.62											
	780	1.27	29.22	-9.22	19.18	0.82	-16.89	3.06	-41.12	-1.92	-
36.1513.96											
794 168	776	3.70	18.48	-91.98	-71.19	-2.31	-43.18	145.80	55.20	62.19	
138.8124.17											
	777	2.01	-0.29	-52.73	-44.36	-8.66	-19.21	69.68	-3.25	-1.30	
67.73-11.76											
	781	2.44	28.21	-41.94	3.20	-16.93	-33.60	-34.88	-117.62	-102.66	-
49.84-31.84											
	780	2.26	51.37	-21.14	22.08	8.15	-35.58	29.85	-18.02	25.78	-
13.9513.35											
794 208	776	3.08	11.28	-78.04	-61.01	-5.75	-35.08	144.61	69.88	72.16	
142.3312.86											
	777	1.55	5.24	-33.25	-26.04	-1.96	-15.01	54.96	-16.11	-8.33	
47.18-22.20											
	781	2.35	21.54	-41.08	-0.63	-18.91	-29.95	-23.98	-131.50	-113.96	-
41.51-39.72											
	780	1.55	34.74	-13.25	20.77	0.73	-21.80	33.45	-37.10	32.33	-
35.988.84											
795 15	777	3.04	11.56	-66.01	-53.14	-1.31	-28.86	63.37	-60.23	-55.41	
58.54-23.95											
	778	1.25	18.68	-9.71	2.02	6.95	-13.98	27.03	-82.76	15.64	-
71.37-33.47											
	782	3.25	42.98	-43.81	-1.41	0.58	-43.38	175.82	13.26	155.52	
33.56-53.73											
	781	4.49	45.04	-59.69	4.56	-19.21	-51.00	23.54	-242.92	-157.84	-
61.54-124.23											
795 35	777	3.72	20.62	-85.85	-62.22	-3.01	-44.24	50.95	-70.94	-70.90	
50.91-2.23											
	778	1.71	22.89	-29.97	-7.94	0.87	-26.06	-0.21	-89.81	-1.75	-
88.27-11.66											
	782	3.83	54.58	-60.33	-2.10	-3.65	-57.45	148.19	6.84	138.27	
16.75-36.10											
	781	5.28	62.38	-76.42	4.88	-18.91	-68.37	-2.67	-239.92	-173.32	-
69.27-106.61											
795 122	777	2.66	14.08	-60.83	-44.51	-2.24	-30.92	43.36	-49.92	-49.71	
43.15-4.41											
	778	1.23	16.38	-20.37	-5.08	1.09	-18.11	4.50	-62.49	2.23	-
60.22-12.12											
	782	2.74	38.30	-42.25	-1.58	-2.37	-40.27	117.31	6.80	109.07	
15.03-29.02											
	781	3.83	44.03	-54.54	3.66	-14.17	-48.47	-2.60	-183.88	-132.45	-
54.03-81.72											
795 159	777	1.82	5.39	-37.40	-30.58	-1.43	-15.66	63.20	-33.39	-28.87	
58.68-20.40											

	778	0.82	10.97	-4.92	1.57	4.49	-7.81	33.55	-43.54	19.65	-
29.64-29.64											
	782	1.91	22.49	-23.27	-1.23	0.46	-22.86	137.44	13.79	123.62	
27.61-38.96											
	781	2.80	25.51	-35.27	3.26	-13.02	-29.28	4.42	-182.72	-124.44	-
53.87-86.66											
795 164	777	1.43	2.72	-27.18	-22.72	-1.75	-10.66	74.30	-23.53	-18.35	
69.12-21.91											
	778	0.73	8.38	-2.97	1.58	3.83	-5.56	44.78	-29.62	25.47	-
10.31-32.61											
	782	1.47	14.42	-15.30	-1.34	0.46	-14.83	139.19	16.47	126.67	
28.98-37.14											
	781	2.30	18.59	-27.19	3.07	-11.67	-21.67	-6.03	-179.58	-126.74	-
58.87-79.86											
795 168	777	1.95	9.42	-42.69	-29.78	-3.49	-22.49	66.25	-30.47	-29.92	
65.71-7.24											
	778	1.06	12.10	-17.95	-5.95	0.10	-14.72	19.54	-29.74	12.18	-
22.39-17.56											
	782	1.88	23.43	-26.69	-1.31	-1.95	-25.06	120.69	10.39	113.95	
17.12-26.42											
	781	2.91	31.30	-39.52	3.62	-11.84	-34.56	-21.33	-178.82	-137.87	-
62.29-69.09											
795 212	777	1.65	5.99	-34.37	-27.14	-1.24	-15.48	59.27	-24.85	-22.15	
56.56-14.84											
	778	0.71	10.40	-3.26	2.49	4.65	-6.74	31.47	-35.10	20.17	-
23.81-24.99											
	782	1.66	17.57	-22.83	-2.92	-2.34	-20.20	144.52	24.45	138.60	
30.37-26.00											
	781	2.57	23.69	-33.73	2.49	-12.53	-27.71	-2.81	-164.38	-114.50	-
52.69-74.64											
796 15	780	2.85	42.98	-48.00	-5.82	0.79	-45.37	44.73	1.97	14.20	
32.5019.32											
	781	3.62	37.51	-52.03	5.08	-19.61	-43.03	6.63	-201.89	-152.80	-
42.46-88.47											
	785	3.51	35.17	-53.21	3.08	-21.11	-42.50	-9.41	-232.46	-203.75	-
38.12-74.69											
	784	3.64	50.55	-59.91	4.83	-14.19	-54.41	-14.71	-147.32	-135.98	-
26.05-37.09											
796 59	780	3.82	67.35	-52.85	-0.73	15.23	-59.57	76.50	4.23	65.00	
15.7326.44											
	781	4.19	46.72	-68.43	2.85	-24.56	-55.92	29.27	-133.16	-80.98	-
22.91-75.85											
	785	4.37	53.24	-78.15	2.42	-27.33	-63.99	1.17	-142.42	-122.16	-
19.09-49.99											
	784	4.63	80.95	-72.33	8.31	0.31	-76.53	-28.86	-77.66	-69.47	-
37.05-18.24											
796 134	780	2.74	47.50	-38.28	-0.81	10.03	-42.54	50.85	0.54	39.93	
11.4520.74											
	781	3.02	33.12	-48.70	2.37	-17.94	-39.63	17.38	-107.77	-70.53	-
19.85-57.22											
	785	3.12	37.00	-55.49	1.86	-20.35	-44.89	-3.04	-118.93	-104.27	-
17.70-38.53											
	784	3.32	56.96	-52.44	5.95	-1.43	-54.57	-24.11	-69.35	-64.66	-
28.80-13.80											
796 159	780	1.80	25.42	-28.99	-3.29	-0.28	-27.17	25.81	-20.59	-9.71	
14.9319.66											
	781	2.18	20.98	-30.52	3.69	-13.22	-24.32	-4.94	-149.95	-121.27	-
33.62-57.76											
	785	2.12	18.36	-32.34	2.10	-16.07	-23.66	-18.72	-180.04	-164.93	-
33.83-47.00											
	784	2.24	29.90	-38.21	3.37	-11.69	-33.21	-22.40	-126.98	-123.27	-
26.10-19.33											
796 164	780	1.50	19.59	-22.93	-2.39	-0.95	-21.25	19.37	-37.62	-25.49	
7.2323.33											
	781	1.73	15.06	-23.34	3.52	-11.79	-17.61	-12.12	-146.34	-124.12	-
34.35-49.89											
	785	1.71	11.95	-26.01	1.89	-15.95	-16.76	-26.75	-181.73	-171.20	-
37.28-39.00											
	784	1.83	23.12	-32.28	3.11	-12.28	-26.61	-29.34	-138.95	-137.55	-

30.74-12.29											
796 176 5.3023.92	780	1.96	33.69	-24.77	0.69	8.23	-28.98	25.99	-22.34	-1.65	
	781	2.10	21.86	-31.69	3.76	-13.60	-25.33	-3.63	-122.78	-98.60	-
27.81-47.92											
	785	2.26	22.95	-39.47	1.40	-17.92	-29.68	-19.41	-145.16	-135.51	-
29.05-33.46											
	784	2.42	40.18	-38.74	4.81	-3.37	-39.25	-29.87	-105.29	-104.01	-
31.15-9.74											
796 208 15.07 21.12	780	1.77	24.28	-28.51	-3.30	-0.93	-26.36	30.39	-14.05	1.28	
	781	2.04	19.03	-30.09	2.17	-13.22	-23.32	-5.70	-134.19	-109.08	-
30.80-50.94											
	785	1.90	15.05	-31.94	0.71	-17.59	-21.64	-18.59	-155.91	-144.21	-
30.29-38.33											
	784	2.05	27.78	-35.52	2.94	-10.69	-30.91	-23.80	-114.33	-111.81	-
26.32-14.88											
797 15 37.32-84.28	781	3.78	38.70	-56.31	0.50	-18.12	-46.59	6.30	-200.17	-156.54	-
	782	3.21	39.76	-39.79	-0.50	0.47	-39.77	180.00	-6.63	151.32	
22.05-67.31											
	786	2.93	27.30	-42.35	-0.76	-14.29	-34.16	246.69	47.23	237.67	
56.26-41.45											
	785	3.82	37.19	-52.51	5.10	-20.43	-42.99	6.03	-257.35	-209.55	-
41.77-101.51											
797 59 41.30-60.66	781	4.50	52.37	-76.18	-0.47	-23.34	-63.25	-19.02	-206.40	-184.12	-
	782	3.92	45.37	-66.05	-3.93	-16.75	-55.34	148.15	-3.94	129.12	
15.09-50.32											
	786	3.89	39.80	-72.61	-1.74	-31.07	-54.26	213.26	39.70	209.19	
43.78-26.28											
	785	4.87	56.62	-77.24	5.87	-26.49	-64.95	-19.49	-276.71	-248.14	-
48.06-80.82											
797 134 31.80-47.13	781	3.24	36.93	-54.12	-0.13	-17.06	-44.73	-14.09	-157.23	-139.53	-
	782	2.80	32.02	-45.86	-2.67	-11.16	-38.71	117.80	-1.63	102.82	
13.36-39.56											
	786	2.76	27.03	-50.53	-1.25	-22.25	-37.33	168.36	31.94	165.35	
34.94-20.03											
	785	3.50	39.44	-54.89	4.29	-19.74	-45.61	-15.16	-210.57	-188.56	-
37.17-61.79											
797 159 30.56-56.53	781	2.29	21.53	-32.97	0.96	-12.39	-26.42	-3.86	-150.21	-123.51	-
	782	1.91	20.86	-21.08	-0.39	0.17	-20.97	140.85	2.08	121.57	
21.36-47.99											
	786	1.78	11.18	-23.11	-0.66	-11.27	-16.30	193.26	39.24	189.27	
43.23-24.47											
	785	2.36	19.76	-32.10	3.32	-15.66	-24.14	-7.43	-196.45	-168.14	-
35.74-67.45											
797 164 31.98-50.17	781	1.83	15.31	-25.13	1.40	-11.22	-19.21	-10.21	-147.64	-125.87	-
	782	1.51	13.43	-13.80	-0.39	0.02	-13.62	142.76	7.49	125.53	
24.71-45.09											
	786	1.50	4.11	-16.32	-0.72	-11.48	-8.68	196.50	40.89	194.20	
43.20-18.81											
	785	1.93	13.23	-25.99	2.85	-15.61	-17.30	-16.14	-195.81	-173.45	-
38.51-59.31											
797 176 33.78-43.76	781	2.36	24.77	-36.52	1.36	-13.12	-29.78	-17.74	-153.13	-137.09	-
	782	2.00	20.38	-27.72	-1.29	-6.05	-23.93	128.85	5.34	113.64	
20.55-40.59											
	786	1.95	13.59	-31.93	-0.98	-17.35	-21.24	179.56	36.19	177.77	
37.98-15.89											
	785	2.58	24.96	-38.80	3.54	-17.38	-30.11	-22.88	-207.24	-189.21	-
40.91-54.76											
797 208 27.77-47.92	781	2.13	19.68	-32.35	-0.31	-12.37	-25.31	-6.00	-133.27	-111.50	-
	782	1.63	14.93	-19.19	-1.90	-2.37	-17.06	153.64	17.25	143.81	
27.08-35.27											

	786	1.80	5.39	-24.52	-2.80	-16.32	-13.34	226.74	47.65	225.36	
49.03-15.63											
	785	2.11	16.18	-31.54	1.77	-17.13	-21.91	-8.81	-170.97	-147.85	-
31.93-56.69											
798 15	784	3.39	47.87	-61.86	1.67	-15.67	-54.17	-23.48	-128.47	-125.98	-
25.97-15.98											
	785	3.69	34.98	-52.80	3.65	-21.48	-42.05	-15.81	-253.63	-210.62	-
58.83-91.54											
	789	3.51	27.94	-57.51	-0.50	-29.08	-40.26	-34.04	-253.92	-223.77	-
64.19-75.63											
	788	3.99	42.23	-73.49	2.52	-33.78	-54.94	-46.58	-216.58	-201.67	-
61.49-48.09											
798 57	784	3.87	65.03	-63.56	4.66	-3.19	-64.17	-4.70	-74.48	-71.68	-
7.50-13.70											
	785	4.14	44.35	-64.97	3.83	-24.46	-52.80	-7.65	-203.30	-158.64	-
52.31-82.11											
	789	4.26	40.99	-75.43	-2.10	-32.34	-56.21	-17.72	-190.59	-154.18	-
54.13-70.48											
	788	4.73	62.40	-80.19	3.83	-21.62	-70.15	-16.18	-153.02	-129.73	-
39.47-51.43											
798 133	784	2.79	46.14	-46.74	3.31	-3.92	-46.30	-8.23	-66.91	-65.58	-
9.56-8.73											
	785	2.99	31.09	-46.70	2.84	-18.46	-37.41	-9.91	-160.88	-129.05	-
41.75-61.59											
	789	3.06	28.09	-54.17	-1.48	-24.60	-39.47	-18.92	-152.66	-127.73	-
43.85-52.09											
	788	3.41	43.73	-58.80	2.88	-17.94	-50.20	-20.64	-128.80	-114.39	-
35.04-36.75											
798 159	784	2.10	28.09	-39.46	1.45	-12.82	-33.01	-27.88	-117.77	-117.62	-
28.02-3.63											
	785	2.26	18.29	-32.14	2.44	-16.29	-23.41	-24.32	-193.69	-169.17	-
48.83-59.59											
	789	2.15	12.99	-36.09	-0.50	-22.60	-21.91	-38.92	-196.10	-180.60	-
54.42-46.86											
	788	2.52	23.82	-47.86	2.21	-26.24	-32.90	-52.34	-191.07	-185.81	-
57.60-26.50											
798 164	784	1.89	21.51	-33.34	1.58	-13.41	-26.38	-34.09	-133.55	-133.46	-
34.182.98											
	785	1.85	11.96	-25.91	2.17	-16.12	-16.58	-32.98	-193.23	-174.64	-
51.57-51.32											
	789	1.78	6.96	-30.32	-0.59	-22.78	-14.98	-47.79	-197.55	-187.07	-
58.28-38.22											
	788	2.16	17.49	-41.51	2.41	-26.44	-25.74	-63.14	-211.61	-209.27	-
65.48-18.48											
798 176	784	2.09	34.21	-32.70	3.76	-2.25	-33.32	-20.36	-97.48	-97.38	-
20.462.72											
	785	2.10	18.41	-33.13	2.10	-16.81	-23.97	-27.12	-158.67	-139.99	-
45.80-45.92											
	789	2.21	15.95	-41.32	-1.73	-23.64	-26.46	-37.26	-151.79	-139.33	-
49.73-35.67											
	788	2.55	31.99	-43.93	3.54	-15.48	-36.75	-44.61	-164.36	-160.00	-
48.97-22.43											
798 218	784	2.08	19.24	-38.50	1.69	-20.94	-26.56	-40.01	-150.73	-150.40	-
40.346.01											
	785	1.90	11.09	-27.77	1.95	-18.64	-16.47	-33.74	-199.08	-178.67	-
54.15-54.39											
	789	1.85	6.60	-32.57	-0.32	-25.65	-14.94	-51.80	-206.05	-195.02	-
62.83-39.75											
	788	2.44	15.87	-46.95	2.69	-33.77	-25.58	-73.25	-241.28	-239.71	-
74.82-16.18											
799 15	785	3.69	35.99	-54.15	2.85	-21.01	-43.46	-20.39	-250.13	-213.18	-
57.34-84.40											
	786	3.10	26.34	-41.78	-0.88	-14.56	-33.36	256.27	28.10	240.04	
44.33-58.65											
	790	3.07	17.93	-46.86	-2.10	-26.83	-29.95	291.66	41.23	286.37	
46.53-36.03											
	789	3.71	29.06	-58.23	-0.15	-29.02	-41.19	-24.56	-267.72	-228.23	-
64.05-89.68											
799 59	785	4.09	45.00	-66.24	4.46	-25.70	-53.54	-54.34	-274.11	-253.95	-

74.50-63.44											
	786	3.72	24.75	-68.82	-3.58	-40.49	-42.99	223.86	16.69	211.25	
29.30-49.52											
	790	4.04	24.37	-83.04	-5.27	-53.41	-48.01	243.22	23.79	240.20	
26.81-25.57											
	789	4.60	45.44	-78.48	1.05	-34.08	-59.42	-66.08	-314.13	-293.43	-
86.78-68.60											
799 134	785	2.97	31.62	-47.66	3.21	-19.25	-38.02	-40.90	-208.24	-192.73	-
56.41-48.53											
	786	2.67	16.98	-48.07	-2.50	-28.60	-29.79	176.20	15.01	167.04	
24.16-37.31											
	790	2.90	16.02	-58.38	-3.74	-38.62	-32.86	194.57	20.68	192.53	
22.71-18.70											
	789	3.31	31.18	-56.30	0.65	-25.76	-41.70	-49.58	-236.94	-220.97	-
65.55-52.32											
799 159	785	2.26	18.94	-33.01	1.96	-16.03	-24.37	-27.00	-191.43	-170.66	-
47.78-54.63											
	786	1.91	10.63	-23.06	-0.75	-11.69	-15.93	200.02	25.84	191.40	
34.46-37.80											
	790	2.05	5.17	-28.60	-1.69	-21.74	-13.59	234.98	34.26	233.16	
36.08-19.04											
	789	2.30	13.78	-36.63	-0.28	-22.57	-22.61	-32.00	-205.88	-183.81	-
54.08-57.88											
799 164	785	1.85	12.49	-26.63	1.78	-15.92	-17.45	-35.05	-191.30	-175.76	-
50.59-46.76											
	786	1.62	3.76	-16.62	-0.80	-12.06	-8.49	202.73	28.57	196.56	
34.74-32.20											
	790	1.94	0.05	-24.38	-1.75	-22.59	-6.37	243.74	35.56	243.00	
36.30-12.40											
	789	1.91	7.66	-30.83	-0.40	-22.76	-15.67	-41.35	-206.53	-190.12	-
57.75-49.40											
799 176	785	2.20	19.75	-33.39	2.81	-16.44	-24.77	-42.81	-204.12	-192.03	-
54.90-42.48											
	786	1.95	7.26	-30.14	-1.69	-21.20	-15.95	186.34	22.72	180.02	
29.04-31.52											
	790	2.25	5.21	-40.09	-3.13	-31.76	-17.55	218.37	28.03	217.62	
28.79-11.95											
	789	2.46	17.65	-40.74	0.25	-23.34	-26.71	-51.15	-227.91	-215.22	-
63.83-45.63											
799 208	785	2.05	15.78	-32.66	0.48	-17.36	-22.52	-27.93	-166.96	-150.44	-
44.44-44.98											
	786	1.87	3.90	-23.61	-2.86	-16.85	-11.84	230.71	36.25	226.79	
40.17-27.34											
	790	2.23	-0.08	-32.21	-3.84	-28.45	-10.33	273.74	41.02	273.09	
41.67-12.22											
	789	2.01	9.34	-35.37	-1.66	-24.37	-19.26	-33.99	-177.63	-160.27	-
51.36-46.83											
800 15	788	3.80	41.26	-73.70	2.18	-34.63	-54.45	-55.78	-206.97	-199.88	-
62.87-31.97											
	789	3.65	27.98	-57.72	-0.42	-29.31	-40.34	-26.50	-263.02	-223.35	-
66.17-88.37											
	793	3.45	21.98	-62.34	-3.15	-37.21	-38.57	-54.84	-254.17	-228.17	-
80.85-67.14											
	792	3.95	31.39	-79.66	2.03	-50.30	-48.98	-73.82	-251.93	-236.59	-
89.17-49.98											
800 57	788	4.16	55.77	-72.55	3.86	-20.64	-62.98	-34.92	-143.92	-129.59	-
49.26-36.83											
	789	4.00	34.08	-68.37	-1.95	-32.34	-48.92	-4.55	-199.95	-152.86	-
51.63-83.57											
	793	4.07	33.35	-78.39	-4.78	-40.25	-52.98	-27.35	-172.23	-137.34	-
62.24-61.95											
	792	4.53	50.05	-82.78	3.60	-36.33	-63.34	-42.64	-174.80	-145.96	-
71.49-54.59											
800 133	788	3.02	39.24	-53.73	2.87	-17.36	-45.37	-33.77	-122.33	-114.33	-
41.77-25.39											
	789	2.90	23.52	-49.51	-1.37	-24.62	-34.62	-9.51	-159.65	-126.77	-
42.39-62.09											
	793	2.92	22.39	-56.59	-3.51	-30.69	-37.08	-28.06	-140.11	-117.12	-
51.04-45.25											

	792	3.27	34.41	-60.91	2.73	-29.23	-44.90	-42.64	-148.75	-131.60	-
59.80-39.06											
800 159	788	2.39	23.15	-48.02	2.00	-26.87	-32.53	-57.35	-186.90	-185.33	-
58.92-14.20											
	789	2.25	13.03	-36.26	-0.46	-22.77	-21.98	-34.02	-202.02	-180.10	-
55.94-56.58											
	793	2.12	8.64	-39.84	-2.41	-28.78	-20.34	-55.67	-196.57	-184.69	-
67.55-39.15											
	792	2.53	16.20	-52.17	2.07	-38.05	-27.68	-76.04	-229.88	-224.60	-
81.32-28.01											
800 164	788	2.23	16.90	-41.69	2.25	-27.05	-25.37	-66.73	-209.74	-209.47	-
67.00-6.25											
	789	1.87	7.00	-30.50	-0.57	-22.93	-15.05	-43.73	-202.51	-186.45	-
59.78-47.87											
	793	1.78	3.05	-34.36	-2.40	-28.91	-13.20	-64.75	-198.60	-191.70	-
71.65-29.59											
	792	2.38	10.77	-45.87	2.47	-37.56	-20.04	-88.67	-259.56	-257.18	-
91.05-20.03											
800 165	788	2.63	9.74	-52.37	0.33	-42.96	-22.26	-78.96	-257.23	-257.19	-
78.99-2.65											
	789	1.91	5.66	-27.69	0.68	-22.71	-11.89	-56.35	-249.46	-234.15	-
71.66-52.18											
	793	1.89	-0.39	-29.28	-1.01	-28.66	-4.19	-80.08	-261.47	-254.91	-
86.65-33.87											
	792	2.89	2.85	-55.63	0.67	-53.45	-11.08	-104.93	-321.64	-320.40	-
106.17-16.30											
800 206	788	2.48	13.43	-43.76	2.73	-33.06	-22.31	-77.63	-254.76	-254.69	-
77.69-3.33											
	789	1.84	5.52	-28.04	0.57	-23.10	-11.89	-52.39	-231.27	-216.05	-
67.61-49.91											
	793	1.80	2.40	-32.63	-1.20	-29.02	-10.65	-73.32	-230.60	-224.28	-
79.63-30.88											
	792	2.77	8.89	-49.53	3.08	-43.71	-17.49	-102.02	-314.64	-313.05	-
103.61-18.33											
801 15	789	3.58	28.68	-58.52	-0.47	-29.37	-41.13	-34.65	-257.80	-227.10	-
65.35-76.87											
	790	3.22	18.15	-47.35	-2.02	-27.18	-30.24	296.91	34.45	286.39	
44.97-51.49											
	794	3.43	15.44	-55.51	-2.63	-37.44	-30.91	319.26	34.12	315.31	
38.06-33.32											
	793	3.62	22.56	-62.99	-2.95	-37.48	-39.13	-45.41	-266.37	-231.96	-
79.82-80.12											
801 57	789	4.04	36.56	-68.21	0.42	-32.07	-49.80	-48.53	-284.37	-260.79	-
72.11-70.74											
	790	3.74	19.36	-68.11	-4.26	-44.49	-38.83	264.68	23.40	252.19	
35.89-53.46											
	794	4.14	21.96	-81.38	-4.70	-54.72	-45.22	270.71	20.53	265.38	
25.86-36.13											
	793	4.40	35.80	-77.85	-1.90	-40.15	-53.51	-63.85	-307.10	-281.37	-
89.58-74.81											
801 133	789	2.93	25.25	-49.49	0.20	-24.45	-35.28	-38.78	-216.27	-199.11	-
55.93-52.45											
	790	2.72	12.71	-48.50	-3.07	-32.71	-26.77	209.00	20.26	200.62	
28.65-38.89											
	794	3.02	14.20	-58.32	-3.45	-40.67	-31.12	217.57	18.37	214.30	
21.64-25.30											
	793	3.17	24.10	-56.32	-1.57	-30.65	-37.49	-50.45	-232.33	-213.65	-
69.14-55.22											
801 160	789	1.87	8.23	-31.98	-0.33	-23.42	-16.46	-50.54	-205.99	-196.39	-
60.14-37.41											
	790	2.07	-0.39	-29.91	-2.43	-27.87	-7.48	239.25	30.75	236.54	
33.46-23.62											
	794	2.46	-0.28	-39.10	-3.00	-36.39	-9.90	269.59	30.00	269.29	
30.30-8.48											
	793	2.00	5.52	-37.00	-1.98	-29.50	-16.20	-62.43	-216.54	-206.43	-
72.55-38.16											
801 164	789	1.83	7.42	-30.99	-0.57	-22.99	-15.59	-47.85	-200.50	-189.40	-
58.95-39.63											
	790	2.00	0.17	-24.80	-1.74	-22.89	-6.64	246.50	32.59	243.70	

35.40-24.33	794	2.38	-0.61	-33.16	-2.35	-31.42	-7.32	280.68	32.68	280.35	
33.01-9.09	793	1.88	3.43	-34.78	-2.27	-29.09	-13.61	-58.86	-207.29	-195.53	-
70.62-40.08	801 171	789	1.96	9.77	-34.89	0.06	-25.18	-18.42	-55.71	-213.55	-206.34	-
62.93-32.97	790	2.29	-1.25	-40.65	-3.64	-38.25	-9.42	228.98	27.01	226.38	
29.61-22.76	794	2.71	0.69	-51.56	-4.12	-46.75	-15.10	251.29	24.79	251.07	
25.00-6.96	793	2.25	9.71	-42.48	-1.51	-31.26	-21.44	-69.29	-231.96	-224.42	-
76.82-34.19	801 208	789	1.95	9.51	-35.96	-1.85	-24.60	-19.69	-40.43	-171.71	-159.59	-
52.54-38.00	790	2.27	-0.64	-31.90	-3.81	-28.73	-9.43	275.38	38.56	273.26	
40.68-22.29	794	2.65	-1.24	-40.95	-4.34	-37.85	-10.66	304.56	36.69	304.17	
37.08-10.23	793	1.93	4.15	-38.44	-3.52	-30.77	-16.37	-51.44	-176.24	-163.45	-
64.24-37.86	802 15	792	3.75	30.62	-79.18	1.94	-50.50	-48.23	-80.49	-244.23	-236.96	-
87.76-33.73	793	3.59	22.12	-62.74	-3.17	-37.45	-38.82	-40.85	-260.41	-225.45	-
75.81-80.33	797	3.32	18.68	-65.01	-3.43	-42.90	-36.90	-61.66	-248.79	-230.45	-
80.00-55.64	796	3.59	21.84	-77.60	1.78	-57.53	-39.90	-80.02	-260.85	-248.96	-
91.91-44.81	802 57	792	3.85	42.05	-74.07	3.68	-35.70	-54.62	-52.64	-160.67	-145.81	-
67.51-37.22	793	3.81	25.89	-71.40	-4.86	-40.65	-45.24	-10.55	-181.77	-134.70	-
57.62-76.44	797	3.87	28.43	-79.73	-5.18	-46.12	-50.06	-30.47	-154.42	-125.85	-
59.04-52.20	796	3.98	38.22	-77.49	3.48	-42.75	-53.04	-44.67	-168.19	-143.97	-
68.89-49.04	802 133	792	2.80	29.06	-55.11	2.77	-28.83	-39.00	-48.93	-139.66	-131.58	-
57.01-25.84	793	2.76	17.49	-52.03	-3.56	-30.98	-31.94	-15.62	-146.89	-115.07	-
47.44-56.25	797	2.77	18.79	-57.66	-3.79	-35.08	-34.87	-31.06	-127.50	-109.92	-
48.64-37.24	796	2.86	25.56	-56.91	2.62	-33.97	-36.96	-44.70	-146.90	-133.12	-
58.48-34.91	802 158	792	2.45	10.32	-46.06	2.43	-38.17	-19.57	-90.75	-259.28	-258.92	-
91.10-7.70	793	1.87	3.08	-35.17	-2.45	-29.63	-13.46	-56.87	-202.00	-190.18	-
68.69-39.69	797	1.72	1.20	-36.85	-2.52	-33.13	-11.30	-67.99	-198.45	-195.86	-
70.58-18.21	796	2.46	5.41	-44.68	2.32	-41.58	-12.06	-93.72	-281.07	-279.58	-
95.20-16.62	802 164	792	2.43	10.29	-45.57	2.41	-37.69	-19.44	-89.67	-258.14	-257.78	-
90.03-7.75	793	1.85	3.13	-34.65	-2.43	-29.09	-13.38	-55.93	-201.32	-189.54	-
67.70-39.67	797	1.71	1.23	-36.28	-2.51	-32.54	-11.24	-66.99	-197.75	-195.15	-
69.59-18.26	796	2.44	5.39	-44.16	2.30	-41.07	-11.98	-92.66	-280.02	-278.54	-
94.14-16.59	802 165	792	3.01	6.39	-58.46	0.95	-53.02	-17.98	-105.60	-321.47	-321.17	-
105.90-8.06	793	2.00	3.49	-33.01	-0.97	-28.55	-11.95	-71.80	-262.50	-252.56	-
81.73-42.38	797	2.04	-0.67	-32.48	-1.14	-32.02	-3.82	-83.25	-269.81	-267.56	-
85.50-20.35	796	3.09	0.88	-56.78	0.53	-56.42	-4.52	-111.19	-352.02	-351.31	-
111.90-13.00											

802 206	792	2.82	8.45	-49.26	3.02	-43.83	-16.85	-102.42	-313.87	-313.70	-
102.59-6.02											
	793	1.86	2.52	-32.96	-1.24	-29.20	-10.93	-64.87	-232.79	-222.03	-
75.63-41.13											
	797	1.86	1.25	-35.07	-1.33	-32.50	-9.33	-74.68	-231.31	-229.02	-
76.97-18.80											
	796	2.92	4.82	-49.01	2.92	-47.11	-9.94	-106.39	-341.94	-340.88	-
107.45-15.77											
803 15	793	3.46	22.25	-63.02	-3.03	-37.75	-38.94	-50.20	-253.60	-229.03	-
74.77-66.29											
	794	3.56	15.94	-56.13	-2.64	-37.54	-31.53	321.98	30.48	313.40	
39.07-49.29											
	798	3.70	17.28	-62.15	-2.72	-42.15	-34.47	330.51	34.61	326.82	
38.30-32.83											
	797	3.48	18.66	-65.08	-3.35	-43.07	-36.86	-50.86	-260.63	-232.47	-
79.01-71.51											
803 59	793	3.63	24.19	-68.07	-1.36	-42.53	-41.28	-86.30	-330.41	-320.40	-
96.30-48.40											
	794	4.01	7.98	-84.34	-6.64	-69.72	-33.71	259.24	13.48	250.38	
22.34-45.82											
	798	4.52	17.83	-98.45	-6.31	-74.31	-47.16	252.83	15.34	248.99	
19.18-29.96											
	797	4.17	30.36	-78.92	-1.15	-47.41	-49.50	-93.05	-356.91	-345.90	-
104.06-52.76											
803 134	793	2.65	16.43	-49.90	-1.22	-32.25	-29.31	-65.56	-246.91	-239.37	-
73.09-36.18											
	794	2.97	5.16	-60.58	-4.75	-50.68	-23.51	210.01	13.57	204.16	
19.43-33.40											
	798	3.31	11.72	-70.49	-4.54	-54.23	-32.75	208.59	15.38	206.26	
17.71-21.07											
	797	3.00	20.12	-57.18	-1.09	-35.96	-34.49	-70.25	-265.20	-256.93	-
78.52-39.30											
803 160	793	1.82	3.65	-35.42	-2.04	-29.72	-13.78	-63.20	-209.72	-204.21	-
68.71-27.88											
	794	2.46	-1.16	-38.42	-3.03	-36.55	-8.13	270.10	29.72	268.30	
31.52-20.75											
	798	2.68	0.30	-43.67	-3.13	-40.25	-11.79	288.27	33.55	287.96	
33.86-8.91											
	797	1.89	2.75	-37.97	-2.11	-33.11	-13.20	-65.26	-217.44	-211.44	-
71.26-29.62											
803 164	793	1.79	3.23	-34.83	-2.32	-29.28	-13.44	-60.19	-199.76	-193.28	-
66.67-29.36											
	794	2.41	-0.41	-33.45	-2.37	-31.49	-7.80	281.16	32.13	279.31	
33.98-21.39											
	798	2.61	0.19	-37.91	-2.52	-35.20	-9.80	302.29	36.67	302.04	
36.93-8.24											
	797	1.79	1.24	-36.36	-2.45	-32.67	-11.19	-61.55	-204.50	-197.44	-
68.61-30.97											
803 171	793	1.91	4.46	-37.47	-1.59	-31.43	-14.73	-68.90	-226.13	-222.18	-
72.86-24.61											
	794	2.63	-2.37	-48.84	-4.21	-47.00	-9.06	251.86	25.45	250.23	
27.08-19.15											
	798	2.89	0.63	-55.49	-4.18	-50.67	-15.72	263.84	27.49	263.45	
27.89-9.64											
	797	2.10	5.75	-42.07	-1.53	-34.79	-17.18	-72.33	-240.15	-235.86	-
76.62-26.49											
803 208	793	1.85	4.33	-38.86	-3.56	-30.97	-16.69	-53.03	-168.60	-161.30	-
60.33-28.11											
	794	2.66	-1.59	-40.63	-4.33	-37.89	-9.97	304.54	36.43	302.94	
38.03-20.67											
	798	2.85	-0.63	-45.75	-4.41	-41.97	-12.50	318.90	39.15	318.56	
39.49 -9.71											
	797	1.80	1.24	-39.28	-3.65	-34.38	-13.20	-54.78	-172.26	-164.50	-
62.54-29.16											
804 15	796	3.39	21.37	-76.65	1.80	-57.08	-39.19	-85.50	-252.66	-247.78	-
90.38-28.13											
	797	3.47	18.96	-65.21	-3.36	-42.89	-37.15	-51.72	-257.86	-230.53	-
79.05-69.92											
	801	3.14	18.11	-63.95	-1.33	-44.51	-34.89	-56.30	-249.14	-236.26	-

69.19-48.16	800	3.16	17.14	-70.35	2.07	-55.28	-33.03	-69.40	-260.31	-251.75	-
77.96-39.50	804 79	796	3.48	26.37	-73.13	1.41	-48.17	-43.13	-75.27	-237.90	-229.64	-
83.53-35.70		797	3.68	23.04	-65.84	-4.12	-38.67	-40.94	-37.41	-248.05	-212.53	-
72.92-78.86		801	3.42	23.67	-65.53	-1.66	-40.20	-40.22	-45.15	-240.51	-221.87	-
63.79-57.39		800	3.31	23.92	-67.43	2.77	-46.29	-38.53	-59.24	-249.82	-237.22	-
71.84-47.35	804 144	796	2.54	17.81	-54.10	1.25	-37.54	-30.28	-63.38	-194.64	-189.97	-
68.04-24.30		797	2.66	15.24	-48.43	-3.08	-30.12	-28.82	-33.93	-191.55	-167.72	-
57.77-56.47		801	2.45	15.59	-47.97	-1.21	-31.17	-28.02	-38.87	-186.41	-174.81	-
50.47-39.71		800	2.39	15.77	-49.38	2.18	-35.79	-26.47	-51.41	-204.04	-196.53	-
58.93-33.03	804 158	796	2.47	5.15	-44.06	2.30	-41.21	-11.50	-93.63	-277.67	-277.60	-
93.71-3.76		797	1.79	1.34	-36.93	-2.49	-33.10	-11.49	-63.21	-202.35	-195.93	-
69.63-29.17		801	1.83	1.60	-35.76	-0.78	-33.38	-9.11	-59.78	-203.30	-202.48	-
60.60-10.81		800	2.44	3.33	-38.38	2.46	-37.51	-5.97	-83.11	-289.04	-288.45	-
83.69-10.99	804 164	796	2.46	5.13	-43.55	2.28	-40.71	-11.42	-92.58	-276.66	-276.58	-
92.66-3.73		797	1.78	1.38	-36.36	-2.48	-32.51	-11.43	-62.23	-201.64	-195.23	-
68.65-29.20		801	1.82	1.62	-35.15	-0.77	-32.76	-9.07	-58.78	-202.51	-201.69	-
59.61-10.87		800	2.42	3.32	-37.85	2.46	-36.99	-5.91	-82.16	-288.41	-287.83	-
82.74-10.94	804 165	796	3.13	3.30	-57.04	0.91	-54.66	-11.76	-108.26	-348.94	-348.94	-
108.26-0.03		797	2.07	3.02	-35.54	-1.00	-31.52	-11.78	-78.39	-272.39	-267.40	-
83.37-30.70		801	2.24	1.05	-32.12	0.71	-31.77	-3.37	-75.39	-283.39	-282.68	-
76.10-12.11		800	3.14	0.95	-50.94	0.95	-50.94	-0.21	-99.92	-369.18	-369.00	-
100.10-6.98	804 206	796	2.92	4.59	-48.43	2.89	-46.73	-9.34	-105.83	-338.61	-338.58	-
105.87-2.81		797	1.85	1.43	-35.19	-1.30	-32.46	-9.61	-70.29	-234.68	-229.04	-
75.94-29.93		801	2.01	2.14	-34.26	0.41	-32.53	-7.76	-65.72	-236.72	-236.03	-
66.41-10.86		800	2.94	3.48	-43.18	3.05	-42.76	-4.41	-95.90	-354.29	-353.90	-
96.29-10.05	805 15	797	3.32	18.51	-64.81	-3.30	-43.00	-36.63	-59.15	-251.20	-232.30	-
78.05-57.20		798	3.85	17.96	-62.65	-2.69	-41.99	-35.19	334.23	30.21	326.02	
38.42-49.27		802	3.70	20.38	-62.06	-2.33	-39.35	-36.83	330.50	45.05	326.89	
48.66-31.90		801	3.28	17.72	-63.53	-1.37	-44.43	-34.45	-46.51	-259.00	-237.10	-
68.41-64.60	805 59	797	3.40	18.00	-66.64	-1.19	-47.44	-35.44	-98.16	-351.95	-345.93	-
104.19-38.64		798	4.20	7.23	-90.37	-6.71	-76.44	-34.14	257.12	10.02	248.08	
19.06-46.39		802	4.40	17.73	-97.56	-6.10	-73.73	-46.69	238.74	22.88	234.64	
26.97-29.44		801	3.87	26.93	-74.22	1.05	-48.34	-44.14	-90.13	-377.00	-369.67	-
97.46-45.28	805 134	797	2.48	12.01	-49.10	-1.12	-35.97	-25.10	-74.07	-261.33	-256.91	-
78.48-28.41												

	798	3.12	4.83	-65.27	-4.80	-55.63	-24.14	211.43	11.78	205.57	
17.65-33.72											
	802	3.23	11.88	-69.79	-4.36	-53.55	-32.60	200.12	21.89	197.70	
24.31-20.63											
	801	2.78	17.79	-53.79	0.59	-36.59	-30.58	-67.41	-278.83	-273.41	-
72.82-33.40											
805 159	797	2.02	6.24	-41.51	-2.47	-32.80	-18.44	-57.37	-196.17	-189.18	-
64.36-30.35											
	798	2.72	5.54	-41.71	-2.31	-33.86	-17.59	282.65	30.58	279.43	
33.80-28.29											
	802	2.63	6.85	-40.69	-2.03	-31.81	-18.53	285.29	42.20	284.37	
43.11-14.87											
	801	1.96	5.94	-40.21	-0.91	-33.36	-16.41	-47.67	-202.13	-193.65	-
56.15-35.18											
805 164	797	1.71	1.17	-36.18	-2.42	-32.59	-11.01	-64.67	-200.19	-197.20	-
67.66-19.91											
	798	2.65	0.51	-38.06	-2.50	-35.05	-10.34	302.98	35.39	301.33	
37.04-20.95											
	802	2.58	1.34	-36.54	-2.21	-32.99	-11.04	309.76	47.24	309.54	
47.45-7.47											
	801	1.79	1.41	-34.95	-0.80	-32.74	-8.69	-54.91	-206.20	-202.26	-
58.85-24.09											
805 179	797	2.03	3.65	-40.41	-1.67	-35.10	-14.35	-74.64	-236.92	-235.16	-
76.41-16.83											
	798	2.84	-0.02	-52.26	-3.88	-48.40	-13.66	265.49	26.18	263.33	
28.33-22.61											
	802	2.81	3.36	-53.20	-3.51	-46.33	-18.48	264.29	36.84	263.91	
37.22-9.25											
	801	2.21	6.31	-41.53	0.02	-35.24	-16.17	-66.57	-250.27	-247.85	-
68.98-20.93											
805 208	797	1.73	1.47	-39.39	-3.62	-34.30	-13.49	-58.22	-167.78	-164.36	-
61.65-19.07											
	798	2.87	-0.94	-45.27	-4.38	-41.82	-11.86	319.34	38.09	317.83	
39.60-20.53											
	802	2.79	0.24	-44.26	-4.04	-39.98	-13.11	320.38	48.49	320.10	
48.77-8.80											
	801	1.64	0.84	-37.25	-1.99	-34.42	-9.99	-48.74	-173.17	-168.95	-
52.96-22.51											
806 5	800	3.36	4.73	-50.85	3.50	-49.62	-8.17	-113.42	-399.22	-399.21	-
113.431.91											
	801	2.41	2.63	-48.11	-0.87	-44.61	-12.86	-74.82	-271.57	-266.82	-
79.57-30.18											
	805	2.58	3.87	-44.86	2.07	-43.06	-9.19	-67.10	-274.72	-274.36	-
67.46-8.64											
	804	3.38	4.99	-42.83	4.38	-42.21	-5.39	-100.97	-420.88	-420.53	-
101.32-10.62											
806 79	800	3.13	21.30	-68.57	1.93	-49.20	-36.95	-66.31	-243.10	-237.60	-
71.80-30.68											
	801	3.54	22.27	-65.72	-1.84	-41.61	-39.25	-36.24	-250.54	-222.37	-
64.41-72.41											
	805	3.22	23.20	-62.96	1.27	-41.04	-37.53	-39.14	-246.92	-232.61	-
53.45-52.62											
	804	3.13	22.41	-64.02	3.20	-44.81	-35.93	-48.55	-255.83	-245.35	-
59.03-45.42											
806 107	800	2.56	3.59	-38.86	2.67	-37.94	-6.19	-86.48	-304.51	-304.50	-
86.491.54											
	801	1.85	1.99	-36.75	-0.67	-34.09	-9.80	-57.31	-208.41	-204.81	-
60.91-23.05											
	805	1.97	2.96	-34.26	1.59	-32.89	-7.00	-51.32	-210.84	-210.57	-
51.59-6.53											
	804	2.58	3.80	-32.70	3.34	-32.24	-4.07	-76.88	-321.06	-320.79	-
77.16-8.12											
806 158	800	2.45	3.32	-37.77	2.54	-36.98	-5.63	-82.45	-288.31	-288.29	-
82.471.98											
	801	1.81	1.78	-35.70	-0.67	-33.24	-9.27	-56.71	-206.03	-202.74	-
60.00-21.92											
	805	1.94	2.81	-33.27	1.57	-32.02	-6.60	-50.43	-208.59	-208.38	-
50.64-5.75											
	804	2.46	3.57	-31.66	3.18	-31.28	-3.66	-72.68	-303.85	-303.58	-

72.95-7.85											
806 164	800	2.43	3.31	-37.24	2.53	-36.46	-5.57	-81.50	-287.71	-287.69	-
81.522.01											
	801	1.80	1.80	-35.09	-0.67	-32.62	-9.22	-55.71	-205.24	-201.94	-
59.00-21.96											
	805	1.92	2.82	-32.64	1.56	-31.39	-6.55	-49.39	-207.72	-207.51	-
49.60-5.77											
	804	2.45	3.56	-31.12	3.18	-30.75	-3.60	-71.79	-303.53	-303.27	-
72.06-7.82											
806 165	800	3.14	2.37	-49.63	1.42	-48.67	-6.98	-97.59	-368.74	-368.63	-
97.705.47											
	801	2.26	4.18	-34.31	0.93	-31.07	-10.69	-72.14	-285.16	-282.75	-
74.54-22.52											
	805	2.38	3.19	-30.04	3.01	-29.86	-2.46	-65.73	-292.34	-292.17	-
65.90-6.20											
	804	3.15	1.87	-43.00	1.86	-42.99	0.55	-88.94	-388.11	-388.05	-
89.00-4.19											
806 206	800	2.94	3.49	-42.58	3.13	-42.22	-4.05	-95.03	-353.80	-353.77	-
95.073.08											
	801	2.00	2.36	-34.23	0.51	-32.39	-8.02	-62.97	-239.10	-236.27	-
65.80-22.18											
	805	2.13	3.75	-31.95	2.78	-30.98	-5.81	-56.27	-242.15	-242.00	-
56.42-5.30											
	804	2.99	4.04	-36.35	3.86	-36.17	-2.68	-86.12	-373.70	-373.54	-
86.28-6.77											
807 15	801	3.13	17.68	-63.17	-1.24	-44.26	-34.22	-53.64	-251.34	-237.37	-
67.61-50.66											
	802	3.84	21.05	-62.12	-2.25	-38.82	-37.35	334.81	41.72	326.62	
49.92-48.32											
	806	3.42	21.08	-55.66	-1.73	-32.86	-35.07	324.03	60.35	320.92	
63.46-28.47											
	805	3.06	18.07	-60.53	1.33	-43.80	-32.18	-38.91	-259.27	-242.61	-
55.57-58.25											
807 57	801	3.42	20.55	-67.59	0.08	-47.13	-37.22	-74.29	-320.32	-310.85	-
83.76-47.33											
	802	4.10	16.58	-81.20	-4.64	-59.97	-40.31	264.60	21.49	253.00	
33.09-51.81											
	806	3.93	22.49	-80.50	-4.03	-53.99	-45.03	246.28	40.24	241.12	
45.39-32.17											
	805	3.69	26.92	-70.83	2.74	-46.65	-42.17	-61.41	-333.83	-322.27	-
72.96-54.90											
807 133	801	2.46	13.60	-49.40	-0.04	-35.76	-25.95	-57.32	-240.52	-234.23	-
63.61-33.34											
	802	3.04	11.15	-58.86	-3.38	-44.32	-28.40	217.22	21.16	209.87	
28.50-37.23											
	806	2.88	14.91	-57.54	-2.91	-39.73	-31.20	205.01	35.44	202.10	
38.34-22.01											
	805	2.63	17.81	-51.06	2.03	-35.28	-28.95	-47.35	-250.44	-242.63	-
55.16-39.05											
807 159	801	1.87	5.93	-39.95	-0.81	-33.21	-16.24	-51.33	-198.08	-193.88	-
55.54-24.49											
	802	2.70	7.29	-40.66	-1.97	-31.40	-18.93	287.09	40.92	283.97	
44.04-27.54											
	806	2.41	6.77	-35.13	-1.53	-26.83	-16.71	283.36	54.88	282.73	
55.50-11.89											
	805	1.94	6.54	-37.57	1.31	-32.34	-14.27	-40.60	-204.57	-198.94	-
46.23-29.85											
807 164	801	1.81	1.44	-34.71	-0.69	-32.58	-8.53	-57.00	-203.74	-202.50	-
58.24-13.42											
	802	2.62	1.67	-36.39	-2.14	-32.58	-11.43	310.55	46.80	309.00	
48.35-20.17											
	806	2.39	1.01	-30.71	-1.69	-28.01	-8.85	310.24	60.53	310.17	
60.61-4.24											
	805	1.91	2.67	-32.46	1.53	-31.31	-6.25	-46.80	-210.46	-208.36	-
48.90-18.41											
807 179	801	2.16	3.20	-37.97	0.13	-34.90	-10.80	-67.91	-248.74	-248.14	-
68.51-10.37											
	802	2.75	0.36	-50.60	-3.63	-46.61	-13.69	265.36	35.71	263.30	
37.77-21.67											

	806	2.55	2.29	-47.45	-3.13	-42.03	-15.50	260.03	48.95	259.87	
49.11-5.82											
	805	2.32	6.54	-37.79	2.39	-33.63	-12.92	-59.04	-259.76	-258.59	-
60.21-15.30											
807 208	801	1.68	1.12	-37.26	-1.89	-34.26	-10.30	-50.96	-170.58	-169.20	-
52.34-12.79											
	802	2.80	-0.11	-43.42	-3.97	-39.57	-12.33	320.93	48.24	319.52	
49.66-19.62											
	806	2.55	-0.39	-38.19	-3.48	-35.10	-10.36	316.52	60.96	316.41	
61.07-5.33											
	805	1.74	1.69	-34.29	0.31	-32.91	-6.91	-40.56	-176.74	-174.56	-
42.74-17.11											
808 5	804	3.40	5.09	-42.33	4.51	-41.76	-5.18	-100.90	-422.73	-422.63	-
101.005.72											
	805	2.56	4.08	-44.77	2.21	-42.91	-9.36	-64.78	-277.14	-274.63	-
67.29-22.96											
	809	2.62	4.18	-42.72	3.56	-42.10	-5.37	-62.85	-277.59	-277.58	-
62.86-1.24											
	808	3.44	5.79	-39.16	5.07	-38.44	-5.62	-96.73	-435.69	-435.18	-
97.24-13.18											
808 67	804	3.33	6.40	-41.71	4.29	-39.61	-9.84	-98.35	-413.90	-413.88	-
98.38-2.71											
	805	2.49	5.83	-45.70	1.81	-41.68	-13.83	-59.68	-271.38	-265.96	-
65.10-33.42											
	809	2.59	5.92	-42.97	3.72	-40.77	-10.13	-60.78	-273.37	-272.70	-
61.44-11.89											
	808	3.39	7.96	-38.73	5.42	-36.19	-10.58	-94.07	-431.65	-430.24	-
95.48-21.79											
808 107	804	2.60	3.87	-32.32	3.45	-31.89	-3.91	-76.82	-322.47	-322.39	-
76.904.44											
	805	1.96	3.11	-34.19	1.70	-32.78	-7.13	-49.54	-212.69	-210.78	-
51.45-17.54											
	809	2.01	3.20	-32.62	2.73	-32.15	-4.08	-48.02	-213.05	-213.04	-
48.03-0.89											
	808	2.62	4.41	-29.88	3.87	-29.34	-4.27	-73.59	-332.36	-331.97	-
73.99-10.09											
808 158	804	2.48	3.64	-31.28	3.29	-30.93	-3.50	-72.56	-305.17	-305.08	-
72.654.69											
	805	1.93	2.97	-33.20	1.67	-31.90	-6.72	-48.74	-210.34	-208.60	-
50.49-16.72											
	809	1.98	3.12	-31.69	2.69	-31.27	-3.81	-47.00	-210.83	-210.83	-
47.00-0.51											
	808	2.50	4.19	-28.86	3.69	-28.37	-4.00	-69.19	-314.49	-314.09	-
69.59-9.83											
808 164	804	2.47	3.63	-30.74	3.28	-30.39	-3.44	-71.66	-304.85	-304.76	-
71.764.71											
	805	1.91	2.97	-32.57	1.67	-31.27	-6.68	-47.69	-209.47	-207.72	-
49.43-16.71											
	809	1.96	3.11	-31.05	2.69	-30.63	-3.76	-45.92	-209.92	-209.92	-
45.92-0.45											
	808	2.49	4.18	-28.32	3.69	-27.83	-3.95	-68.31	-314.25	-313.86	-
68.70-9.78											
808 177	804	3.14	2.43	-40.78	2.30	-40.65	-2.34	-87.87	-390.08	-389.86	-
88.098.14											
	805	2.38	4.05	-30.15	3.13	-29.23	-5.53	-64.75	-293.59	-292.79	-
65.56-13.56											
	809	2.44	4.40	-28.70	4.26	-28.56	2.12	-62.67	-298.31	-298.28	-
62.702.77											
	808	3.19	2.89	-38.15	2.81	-38.06	1.88	-85.56	-402.38	-402.26	-
85.68-6.27											
808 206	804	3.00	4.13	-35.96	3.98	-35.81	-2.48	-85.97	-375.53	-375.41	-
86.095.86											
	805	2.12	3.94	-31.91	2.90	-30.87	-6.03	-54.88	-243.64	-242.20	-
56.33-16.46											
	809	2.17	4.30	-30.44	3.95	-30.08	-3.51	-52.92	-244.34	-244.34	-
52.920.64											
	808	3.03	4.79	-33.27	4.45	-32.94	-3.56	-83.04	-386.48	-386.19	-
83.33-9.40											
809 15	805	2.91	18.03	-60.27	1.44	-43.68	-31.99	-45.21	-252.83	-242.97	-

55.08-44.17										
	806	3.55	21.51	-55.50	-1.65	-32.34	-35.31	328.48	57.23	320.90
64.81-44.70										
	810	3.05	17.52	-48.13	-1.36	-29.25	-29.72	313.35	67.27	311.40
69.22-21.80										
	809	2.87	17.50	-58.71	2.58	-43.78	-30.24	-38.28	-257.68	-245.43
- 50.53-50.37										
809 59	805	3.40	10.58	-53.74	4.03	-47.19	-19.45	-83.19	-391.45	-387.15
- 87.50-36.16										
	806	3.45	1.27	-78.23	-6.05	-70.92	-22.98	229.53	30.77	220.50
39.80-41.38										
	810	3.53	9.47	-83.08	-5.70	-67.90	-34.26	211.16	42.23	209.20
44.19-18.09										
	809	3.75	22.65	-64.25	5.31	-46.91	-34.73	-78.49	-401.23	-395.67
- 84.06-42.00										
809 134	805	2.52	7.33	-40.04	2.91	-35.62	-13.78	-62.01	-288.76	-285.94
- 64.83-25.12										
	806	2.59	1.00	-56.21	-4.25	-50.96	-16.52	193.91	29.16	188.32
34.75-29.82										
	810	2.58	5.97	-58.62	-3.99	-48.66	-23.33	181.73	37.45	180.78
38.41-11.72										
	809	2.75	15.02	-46.47	3.90	-35.35	-23.67	-58.34	-295.72	-292.00
- 62.07-29.51										
809 159	805	1.97	6.55	-37.39	1.41	-32.25	-14.12	-43.65	-201.64	-199.31
- 45.97-19.03										
	806	2.47	7.05	-34.94	-1.48	-26.42	-16.89	285.18	53.91	282.58
56.51-24.37										
	810	2.18	3.86	-29.26	-1.26	-24.14	-11.97	279.53	60.95	279.37
61.10-5.83										
	809	1.99	6.32	-35.87	2.38	-31.92	-12.28	-39.16	-205.05	-201.74
- 42.47-23.21										
809 164	805	1.93	2.73	-32.31	1.64	-31.21	-6.10	-48.37	-209.16	-208.80
- 48.73-7.61										
	806	2.42	1.20	-30.44	-1.63	-27.61	-9.03	311.03	60.48	309.91
61.60-16.71										
	810	2.25	-0.88	-25.94	-1.42	-25.40	-3.64	309.87	67.09	309.84
67.11 2.54										
	809	1.96	3.12	-31.03	2.68	-30.58	-3.88	-44.46	-212.41	-211.64
- 45.22-11.33										
809 169	805	1.64	3.89	-32.81	0.70	-29.63	-10.33	-36.55	-156.58	-155.91
- 37.23-8.97										
	806	2.58	8.31	-21.23	0.06	-12.98	-13.25	364.09	72.87	362.98
73.99-17.98										
	810	2.35	0.66	-11.19	0.24	-10.77	-2.20	363.82	79.67	363.81
79.68 1.31										
	809	1.62	1.91	-29.20	1.72	-29.01	-2.44	-32.27	-159.10	-157.84
- 33.53-12.57										
809 208	805	1.77	1.92	-34.32	0.41	-32.81	-7.24	-42.13	-175.36	-174.96
- 42.53-7.28										
	806	2.56	-0.82	-37.29	-3.42	-34.70	-9.37	317.11	61.06	316.12
62.06-15.93										
	810	2.38	-2.47	-33.21	-3.18	-32.49	-4.65	313.91	67.15	313.90
67.16 1.58										
	809	1.78	1.89	-32.52	1.43	-32.05	-3.97	-37.97	-178.29	-177.49
- 38.77-10.58										
810 5	808	3.45	5.75	-39.10	5.07	-38.43	-5.47	-97.07	-435.24	-435.21
- 97.092.68										
	809	2.61	4.22	-42.76	3.56	-42.11	-5.51	-61.43	-278.55	-277.45
- 62.52-15.35										
	813	2.55	2.24	-43.25	2.19	-43.20	-1.51	-67.35	-274.85	-274.66
- 67.546.35										
	812	3.39	5.24	-42.66	4.50	-41.92	-5.91	-100.33	-423.60	-422.79
- 101.14-16.15										
810 67	808	3.47	7.00	-42.51	4.68	-40.19	-10.47	-95.79	-430.51	-430.40
- 95.89-5.92										
	809	2.61	5.56	-44.97	3.36	-42.77	-10.31	-58.18	-275.78	-272.62
- 61.33-26.03										
	813	2.62	3.33	-44.56	2.56	-43.79	-6.03	-68.74	-279.88	-279.79
- 68.82-4.17										

	812	3.47	6.92	-45.83	4.68	-43.59	-10.63	-100.85	-429.83	-427.98	-
102.70-24.61											
810 138	808	2.65	5.19	-32.08	3.61	-30.50	-7.49	-73.02	-328.84	-328.79	-
73.07-3.63											
	809	2.00	4.09	-34.09	2.60	-32.60	-7.39	-44.82	-211.88	-209.72	-
46.98-18.85											
	813	2.00	2.41	-33.87	1.93	-33.39	-4.14	-52.47	-214.26	-214.23	-
52.50-2.11											
	812	2.64	5.09	-34.67	3.56	-33.13	-7.67	-76.75	-327.29	-325.99	-
78.05-18.01											
810 162	808	2.50	4.36	-28.96	3.60	-28.21	-4.95	-68.32	-312.82	-312.82	-
68.320.50											
	809	1.95	3.36	-31.50	2.65	-30.78	-4.94	-44.27	-209.88	-208.75	-
45.40-13.61											
	813	1.92	1.85	-31.72	1.73	-31.61	-1.95	-49.86	-208.93	-208.88	-
49.902.68											
	812	2.48	4.14	-31.71	3.31	-30.88	-5.39	-71.42	-307.00	-306.18	-
72.24-13.91											
810 164	808	2.50	4.15	-28.28	3.69	-27.82	-3.83	-68.57	-313.92	-313.89	-
68.592.41											
	809	1.95	3.14	-31.08	2.69	-30.63	-3.87	-44.90	-210.59	-209.82	-
45.67-11.24											
	813	1.91	1.68	-31.51	1.65	-31.48	-0.94	-49.46	-207.90	-207.74	-
49.625.01											
	812	2.46	3.82	-31.05	3.27	-30.51	-4.34	-71.28	-305.64	-305.02	-
71.89-12.03											
810 174	808	3.20	3.41	-39.40	2.65	-38.64	-5.64	-84.96	-399.97	-399.95	-
84.982.68											
	809	2.44	5.18	-29.49	4.23	-28.54	-5.68	-61.38	-296.32	-295.83	-
61.86-10.65											
	813	2.38	3.40	-29.58	3.21	-29.38	2.53	-65.51	-292.65	-292.51	-
65.655.67											
	812	3.15	2.27	-41.35	2.26	-41.33	-0.88	-87.72	-390.29	-389.84	-
88.17-11.74											
810 210	808	3.02	4.78	-33.03	4.43	-32.67	-3.66	-82.59	-383.89	-383.87	-
82.612.55											
	809	2.16	4.32	-30.24	3.94	-29.87	-3.57	-51.81	-244.65	-243.96	-
52.49-11.50											
	813	2.12	2.91	-30.89	2.87	-30.85	-1.06	-56.17	-242.09	-241.92	-
56.345.55											
	812	2.98	4.51	-36.22	3.95	-35.66	-4.76	-85.07	-373.93	-373.38	-
85.62-12.66											
811 5	809	2.64	4.17	-42.66	3.55	-42.04	-5.35	-61.56	-279.83	-279.82	-
61.56-1.04											
	810	3.12	-1.14	-36.12	-1.97	-35.30	-5.30	423.18	89.29	422.66	
89.81-13.19											
	814	3.19	-2.16	-38.77	-2.26	-38.67	1.89	424.00	81.77	423.56	
82.2112.29											
	813	2.56	2.26	-43.23	2.14	-43.11	-2.27	-66.45	-276.19	-276.04	-
66.60-5.58											
811 59	809	3.49	10.52	-51.84	5.36	-46.68	-17.18	-81.00	-398.17	-395.51	-
83.65-28.90											
	810	3.12	-1.65	-73.38	-5.93	-69.09	-17.00	215.76	37.62	209.11	
44.27-33.79											
	814	3.36	3.01	-81.26	-6.10	-72.15	-26.17	205.88	34.61	205.23	
35.26-10.53											
	813	3.61	17.93	-61.95	4.07	-48.09	-30.25	-85.15	-393.33	-389.26	-
89.22-35.20											
811 134	809	2.59	7.29	-38.56	3.93	-35.19	-11.96	-60.16	-293.49	-291.88	-
61.77-19.31											
	810	2.34	-1.24	-52.35	-4.15	-49.45	-11.83	184.59	34.59	180.71	
38.48-23.83											
	814	2.47	1.30	-57.41	-4.29	-51.83	-17.22	178.43	31.47	178.20	
31.69-5.76											
	813	2.65	11.60	-44.92	2.93	-36.25	-20.37	-63.43	-289.91	-287.34	-
66.01-24.02											
811 158	809	1.99	3.10	-31.64	2.68	-31.22	-3.80	-46.06	-212.40	-212.40	-
46.06-0.36											
	810	2.28	-0.84	-26.70	-1.40	-26.14	-3.76	309.31	65.71	308.91	

66.11-9.83											
	814	2.35	-1.53	-28.81	-1.63	-28.72	1.62	310.13	59.99	309.77	
60.34 9.46											
	813	1.93	1.69	-32.13	1.62	-32.05	-1.58	-49.88	-209.71	-209.59	-
49.99-4.30											
811 164	809	1.97	3.09	-31.00	2.68	-30.58	-3.75	-44.97	-211.54	-211.54	-
44.97-0.30											
	810	2.27	-0.85	-25.95	-1.42	-25.39	-3.71	310.16	66.81	309.76	
67.20-9.78											
	814	2.33	-1.53	-28.08	-1.64	-27.97	1.68	310.75	61.02	310.39	
61.38 9.43											
	813	1.91	1.68	-31.49	1.61	-31.42	-1.52	-48.83	-208.86	-208.75	-
48.94-4.15											
811 173	809	1.64	2.39	-29.35	1.77	-28.73	-4.40	-33.04	-157.61	-157.45	-
33.204.51											
	810	2.37	1.84	-12.19	0.30	-10.65	-4.38	364.13	79.67	364.01	
79.78-5.69											
	814	2.46	2.95	-16.19	8.84e-03	-13.24	6.90	362.88	72.83	362.23	
73.4813.67											
	813	1.58	1.10	-30.02	0.65	-29.57	3.71	-37.61	-157.08	-157.07	-
37.610.85											
811 208	809	1.80	1.98	-32.61	1.43	-32.06	-4.32	-38.52	-177.39	-177.38	-
38.52-0.54											
	810	2.39	-2.76	-32.91	-3.18	-32.48	-3.55	314.14	66.93	313.82	
67.25-8.88											
	814	2.46	-3.36	-35.05	-3.41	-35.01	1.18	315.03	61.20	314.74	
61.49 8.58											
	813	1.73	0.43	-32.76	0.39	-32.73	-1.06	-42.46	-174.82	-174.69	-
42.58-4.03											
812 5	812	3.39	5.05	-43.07	4.36	-42.38	-5.71	-101.48	-420.68	-420.68	-
101.480.23											
	813	2.54	2.11	-43.42	2.05	-43.36	-1.67	-67.36	-274.68	-274.37	-
67.67-8.05											
	817	2.39	-0.85	-45.23	-0.94	-45.14	2.01	-79.28	-267.92	-266.97	-
80.2313.35											
	816	3.33	3.64	-50.14	3.49	-49.99	-2.85	-113.63	-400.88	-400.35	-
114.16-12.26											
812 73	812	3.52	6.94	-53.64	3.25	-49.95	-14.49	-100.79	-411.78	-411.23	-
101.33-12.99											
	813	2.65	3.89	-48.06	1.86	-46.03	-10.08	-67.03	-284.38	-281.40	-
70.01-25.28											
	817	2.57	0.64	-48.19	0.09	-47.64	-5.15	-84.19	-281.89	-281.82	-
84.26-3.74											
	816	3.51	5.42	-59.08	3.71	-57.36	-10.37	-113.76	-402.07	-399.85	-
115.98-25.19											
812 141	812	2.67	5.05	-39.87	2.59	-37.41	-10.21	-76.87	-314.94	-314.63	-
77.18-8.59											
	813	2.02	2.70	-36.15	1.44	-34.90	-6.86	-51.40	-217.17	-215.27	-
53.31-17.65											
	817	1.95	0.25	-36.45	-0.04	-36.16	-3.22	-64.10	-214.83	-214.82	-
64.11-1.15											
	816	2.66	3.91	-44.24	2.81	-43.14	-7.20	-86.78	-306.57	-305.08	-
88.26-18.03											
812 162	812	2.49	3.85	-32.80	3.05	-31.99	-5.37	-72.75	-304.72	-304.71	-
72.76-1.27											
	813	1.92	1.67	-32.21	1.52	-32.06	-2.21	-49.72	-209.11	-208.68	-
50.15-8.28											
	817	1.81	-0.57	-33.46	-0.58	-33.45	0.66	-59.69	-204.67	-204.24	-
60.127.87											
	816	2.46	2.82	-38.06	2.57	-37.82	-3.15	-82.32	-291.61	-291.03	-
82.90-11.00											
812 164	812	2.46	3.68	-31.37	3.17	-30.86	-4.18	-72.20	-303.53	-303.53	-
72.200.53											
	813	1.90	1.58	-31.64	1.54	-31.60	-1.07	-49.52	-207.74	-207.52	-
49.75-5.99											
	817	1.78	-0.64	-33.09	-0.72	-33.01	1.62	-58.78	-202.76	-202.05	-
59.4910.09											
	816	2.42	2.64	-36.83	2.53	-36.71	-2.15	-81.70	-289.23	-288.81	-
82.11-9.27											

812 174 89.140.82	812	3.19	3.04	-44.49	1.83	-43.28	-7.50	-89.14	-388.47	-388.47	-
	813	2.39	3.52	-30.56	2.96	-30.00	-4.33	-65.95	-292.44	-292.34	-
66.06-4.95	817	2.24	1.37	-31.86	0.89	-31.39	3.96	-74.42	-283.55	-282.94	-
75.0311.30	816	3.12	1.39	-49.10	1.39	-49.10	0.12	-97.99	-370.12	-369.82	-
98.28-8.93	812	2.98	4.35	-36.54	3.83	-36.03	-4.57	-85.83	-371.52	-371.52	-
812 210 85.831.68e-03	813	2.11	2.81	-31.02	2.76	-30.97	-1.28	-56.23	-241.88	-241.71	-
56.40-5.66	817	1.99	0.48	-32.58	0.46	-32.55	0.92	-65.39	-236.80	-236.09	-
66.1111.07	816	2.92	3.32	-42.43	3.10	-42.21	-3.16	-94.68	-353.05	-352.67	-
95.06-9.84	813	2.56	2.09	-43.34	1.99	-43.25	-2.08	-66.37	-275.78	-275.43	-
813 5 66.738.59	814	3.20	-2.27	-39.28	-2.34	-39.21	1.65	423.93	80.84	423.88	
80.89 -4.01	818	3.44	-2.36	-46.17	-2.96	-45.57	5.08	424.18	63.85	423.39	
64.6516.92	817	2.39	-0.95	-45.10	-0.98	-45.08	1.08	-79.19	-267.67	-267.64	-
79.222.17	813	3.43	4.72	-46.67	4.53	-46.48	3.16	-95.15	-408.42	-408.42	-
813 51 95.15-0.01	814	3.37	-6.01	-77.92	-6.67	-77.26	6.86	274.41	46.93	273.97	
47.37-10.03	818	3.68	-7.07	-83.91	-7.36	-83.63	-4.66	283.43	32.69	282.99	
33.1410.55	817	3.24	2.96	-49.80	1.51	-48.34	-8.64	-105.68	-392.04	-391.86	-
105.86-7.17	813	2.57	4.65	-37.47	3.07	-35.89	8.00	-69.86	-298.01	-297.99	-
813 119 69.882.25	814	2.56	-1.94	-55.15	-4.24	-52.85	10.83	226.16	39.92	226.16	
39.92 0.33	818	2.76	-4.12	-58.46	-4.82	-57.76	6.13	234.10	27.63	232.82	
28.91 16.18	817	2.38	0.95	-37.57	0.70	-37.33	3.06	-78.12	-285.51	-285.47	-
78.17-3.06	813	1.93	1.57	-32.22	1.51	-32.15	-1.43	-49.85	-209.41	-209.14	-
813 158 50.126.57	814	2.35	-1.61	-29.20	-1.69	-29.13	1.43	310.06	59.30	310.02	
59.33-3.06	818	2.54	-1.68	-34.49	-2.16	-34.01	3.95	310.69	46.40	310.06	
47.0212.84	817	1.80	-0.73	-33.61	-0.75	-33.59	0.86	-59.74	-203.35	-203.34	-
59.751.30	813	1.91	1.56	-31.58	1.50	-31.52	-1.38	-48.79	-208.58	-208.30	-
813 164 49.076.69	814	2.33	-1.62	-28.46	-1.70	-28.38	1.50	310.65	60.32	310.61	
60.36-3.08	818	2.52	-1.65	-33.79	-2.16	-33.27	4.02	310.73	47.27	310.11	
47.90 12.81	817	1.79	-0.72	-32.99	-0.75	-32.97	0.91	-58.74	-202.56	-202.55	-
58.751.49	813	2.26	2.89	-34.26	2.37	-33.74	4.36	-60.34	-258.90	-258.85	-
813 172 60.393.16	814	2.40	-1.83	-43.51	-3.11	-42.23	7.21	260.00	48.58	259.98	
48.60 -1.93	818	2.61	-2.91	-47.85	-3.62	-47.13	5.63	264.58	36.33	263.72	
37.1813.92	817	2.12	0.25	-35.38	0.07	-35.20	2.53	-69.27	-248.88	-248.86	-
69.29-2.07	813	1.73	0.33	-32.95	0.28	-32.90	-1.26	-42.60	-174.36	-174.20	-
813 212 42.764.62	814	2.47	-3.28	-35.49	-3.47	-35.30	2.48	315.08	60.48	315.05	
60.51-2.49	818	2.68	-3.44	-40.64	-3.97	-40.12	4.38	319.34	48.38	318.83	

48.89 11.73											
	817	1.62	-1.80	-34.57	-1.94	-34.43	2.13	-52.71	-168.94	-168.94	-
52.710.02											
814 5	816	3.34	3.50	-50.81	3.39	-50.70	-2.42	-115.74	-400.70	-400.62	-
115.824.70											
	817	2.38	-1.01	-45.41	-1.08	-45.33	1.80	-81.04	-266.62	-266.61	-
81.05-1.23											
	821	2.18	-2.76	-45.59	-3.38	-44.97	5.10	-90.06	-261.23	-258.06	-
93.2323.08											
	820	3.31	3.65	-56.03	3.20	-55.57	5.22	-129.43	-387.32	-387.25	-
129.50-4.39											
814 73	816	3.64	4.12	-66.07	2.04	-63.99	-11.92	-119.58	-400.81	-400.55	-
119.84-8.53											
	817	2.60	0.50	-51.60	-0.57	-50.53	-7.38	-85.88	-283.44	-281.92	-
87.40-17.29											
	821	2.46	-2.06	-50.13	-2.12	-50.07	-1.70	-100.43	-279.78	-279.49	-
100.717.09											
	820	3.65	3.77	-68.77	3.72	-68.72	-1.91	-133.62	-395.19	-394.02	-
134.79-17.43											
814 141	816	2.75	3.01	-48.95	1.69	-47.63	-8.19	-90.88	-305.69	-305.57	-
91.01-5.19											
	817	1.97	0.09	-38.69	-0.49	-38.11	-4.73	-65.37	-215.76	-214.85	-
66.28-11.67											
	821	1.85	-1.74	-37.79	-1.75	-37.78	-0.62	-76.03	-212.76	-212.40	-
76.397.02											
	820	2.75	2.79	-51.30	2.78	-51.28	-0.76	-101.63	-300.64	-299.90	-
102.37-12.08											
814 162	816	2.48	2.52	-39.38	2.29	-39.15	-3.08	-84.43	-291.28	-291.27	-
84.451.94											
	817	1.81	-0.76	-33.96	-0.76	-33.95	0.23	-60.99	-204.10	-204.03	-
61.05-3.13											
	821	1.67	-2.12	-34.03	-2.40	-33.75	2.96	-68.72	-200.32	-198.55	-
70.4915.16											
	820	2.47	2.56	-43.09	2.38	-42.91	2.91	-94.89	-282.38	-282.24	-
95.04-5.19											
814 164	816	2.43	2.53	-37.34	2.45	-37.25	-1.82	-83.30	-289.06	-288.99	-
83.363.71											
	817	1.78	-0.76	-33.22	-0.83	-33.16	1.46	-60.11	-201.79	-201.78	-
60.12-1.04											
	821	1.63	-2.09	-33.45	-2.57	-32.98	3.85	-67.08	-197.81	-195.51	-
69.3817.19											
	820	2.41	2.63	-41.37	2.29	-41.03	3.84	-93.73	-279.23	-279.17	-
93.79-3.47											
814 174	816	3.18	1.77	-52.26	0.92	-51.41	-6.72	-100.71	-370.23	-370.23	-
100.710.25											
	817	2.25	1.02	-32.44	0.66	-32.08	-3.44	-76.59	-282.86	-282.85	-
76.591.00											
	821	2.05	-0.30	-32.68	-1.08	-31.90	4.96	-82.05	-269.80	-267.75	-
84.1019.52											
	820	3.10	1.33	-55.62	0.90	-55.18	4.95	-109.34	-351.62	-351.58	-
109.38-3.19											
814 210	816	2.93	3.20	-42.93	3.03	-42.76	-2.80	-96.27	-352.88	-352.84	-
96.313.32											
	817	1.99	0.36	-32.71	0.35	-32.70	0.66	-66.73	-235.83	-235.83	-
66.73-0.28											
	821	1.84	-1.19	-32.91	-1.39	-32.71	2.52	-74.22	-231.32	-229.07	-
76.4718.66											
	820	2.88	2.97	-46.89	2.87	-46.79	2.25	-106.31	-338.99	-338.92	-
106.37-3.92											
815 5	817	2.39	-1.09	-45.33	-1.12	-45.30	1.30	-78.65	-268.69	-267.31	-
80.0316.15											
	818	3.43	-2.58	-46.61	-3.05	-46.13	4.56	424.16	63.47	424.16	
63.47 0.32											
	822	3.51	-3.17	-49.29	-3.45	-49.01	3.60	415.00	48.84	414.13	
49.7117.87											
	821	2.22	-2.82	-45.56	-3.31	-45.07	4.52	-91.22	-261.44	-260.75	-
91.9110.85											
815 51	817	3.25	3.42	-49.96	1.52	-48.06	9.89	-104.95	-391.29	-391.20	-
105.034.93											

	818	3.75	-5.25	-86.17	-7.42	-83.99	13.09	284.15	33.22	284.03	
33.34-5.46											
	822	3.87	-7.91	-87.05	-8.02	-86.94	-2.91	293.74	22.98	293.22	
23.51 11.88											
	821	2.93	-0.75	-48.01	-0.84	-47.92	-1.98	-113.15	-366.47	-366.47	-
113.15-1.20											
815 130	817	2.40	2.08	-37.64	0.90	-36.46	6.74	-77.82	-287.89	-287.77	-
77.944.91											
	818	2.82	-3.75	-61.98	-5.25	-60.49	9.21	230.84	28.43	230.78	
28.49-3.63											
	822	2.91	-5.64	-62.80	-5.68	-62.75	-1.56	236.36	20.10	235.92	
20.54 9.72											
	821	2.17	-0.87	-36.38	-0.89	-36.36	-0.87	-84.56	-270.64	-270.64	-
84.560.24											
815 161	817	1.89	-0.36	-33.75	-0.51	-33.60	2.22	-62.06	-219.76	-219.03	-
62.8010.75											
	818	2.54	-2.20	-39.45	-2.82	-38.84	4.76	293.87	43.34	293.87	
43.34-0.67											
	822	2.61	-3.05	-41.21	-3.15	-41.11	1.96	289.62	32.75	288.99	
33.3812.72											
	821	1.75	-1.98	-33.74	-2.18	-33.53	2.56	-71.07	-212.01	-211.73	-
71.356.28											
815 164	817	1.78	-0.82	-33.17	-0.86	-33.13	1.08	-58.35	-203.33	-202.30	-
59.3812.19											
	818	2.51	-1.81	-34.11	-2.23	-33.69	3.63	310.65	46.99	310.65	
46.99 0.08											
	822	2.57	-2.29	-36.20	-2.52	-35.97	2.82	304.00	35.86	303.32	
36.5413.48											
	821	1.66	-2.14	-33.43	-2.51	-33.05	3.41	-67.95	-197.91	-197.44	-
68.427.79											
815 180	817	2.12	0.69	-35.53	0.11	-34.96	4.53	-69.22	-250.47	-250.19	-
69.507.14											
	818	2.64	-2.81	-50.21	-3.89	-49.14	7.05	262.69	36.24	262.66	
36.27-2.79											
	822	2.73	-4.25	-51.43	-4.26	-51.42	0.64	263.46	27.05	262.98	
27.5310.66											
	821	1.94	-1.55	-34.93	-1.60	-34.89	1.26	-77.02	-237.72	-237.68	-
77.062.62											
815 212	817	1.61	-1.95	-34.70	-2.05	-34.60	1.82	-52.52	-169.51	-168.69	-
53.349.78											
	818	2.68	-3.32	-41.26	-4.04	-40.54	5.16	319.41	47.98	319.41	
47.98 0.89											
	822	2.77	-4.02	-42.99	-4.39	-42.62	3.78	318.69	38.23	318.13	
38.7912.53											
	821	1.50	-2.82	-35.45	-3.71	-34.56	5.32	-61.90	-164.62	-164.27	-
62.256.03											
816 5	820	3.32	3.82	-56.67	3.22	-56.07	5.96	-130.98	-390.59	-389.99	-
131.5712.39											
	821	2.18	-2.86	-45.58	-3.42	-45.02	4.85	-94.09	-258.39	-257.93	-
94.568.72											
	825	2.07	-1.76	-41.76	-3.37	-40.15	7.86	-83.51	-259.12	-250.82	-
91.8137.27											
	824	3.20	7.87	-55.79	3.37	-51.30	16.31	-126.15	-363.50	-363.49	-
126.161.04											
816 73	820	3.74	1.70	-75.19	1.45	-74.93	-4.43	-140.92	-397.48	-397.47	-
140.93-1.48											
	821	2.49	-2.11	-53.08	-2.63	-52.55	-5.15	-105.50	-280.28	-280.09	-
105.69-5.75											
	825	2.36	-1.71	-47.68	-1.77	-47.62	1.66	-100.00	-276.79	-273.76	-
103.0422.97											
	824	3.57	3.44	-71.37	2.18	-70.11	9.64	-135.22	-373.48	-372.85	-
135.85-12.27											
816 141	820	2.81	1.37	-55.57	1.27	-55.47	-2.37	-106.66	-302.46	-302.46	-
106.660.27											
	821	1.87	-1.87	-39.67	-2.10	-39.44	-2.95	-79.77	-212.85	-212.78	-
79.84-3.01											
	825	1.77	-1.42	-35.78	-1.52	-35.68	1.89	-75.08	-210.59	-207.87	-
77.7918.99											
	824	2.69	2.96	-52.97	1.78	-51.79	8.04	-102.39	-283.87	-283.51	-

102.75-8.08
816 162 820 2.48 2.29 -44.24 2.09 -44.04 3.05 -96.79 -284.60 -284.29 -
97.107.57
821 1.67 -2.32 -34.28 -2.50 -34.11 2.34 -71.81 -198.71 -198.56 -
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825 1.56 -1.47 -31.40 -2.34 -30.53 5.03 -64.69 -198.65 -193.48 -
69.8625.81
824 2.39 5.05 -43.29 2.28 -40.51 11.25 -93.20 -265.34 -265.33 -
93.21-1.02
816 164 820 2.42 2.75 -41.85 2.31 -41.41 4.41 -94.83 -281.59 -281.11 -
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825 1.54 -1.34 -30.66 -2.55 -29.45 5.83 -62.32 -196.20 -190.26 -
68.2627.56
824 2.33 5.76 -41.24 2.42 -37.89 12.09 -91.39 -262.08 -262.08 -
91.390.72
816 174 820 3.12 0.59 -57.08 0.50 -56.99 -2.30 -112.64 -354.34 -353.95 -
113.039.70
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86.299.18
825 1.90 -0.32 -29.56 -1.06 -28.82 4.61 -76.79 -258.79 -253.29 -
82.3031.17
824 2.94 2.79 -55.54 0.70 -53.45 10.84 -107.22 -325.47 -325.46 -
107.231.24
816 210 820 2.89 3.06 -47.34 2.90 -47.18 2.85 -107.63 -341.56 -341.21 -
107.989.06
821 1.84 -1.26 -32.91 -1.42 -32.75 2.23 -77.16 -229.41 -229.04 -
77.537.48
825 1.73 -0.84 -29.87 -1.36 -29.35 3.85 -70.18 -228.38 -222.58 -
75.9729.72
824 2.74 5.03 -45.81 3.00 -43.78 9.95 -103.33 -315.77 -315.77 -
103.33-0.50
817 5 821 2.21 -2.81 -45.73 -3.34 -45.19 4.77 -89.48 -264.82 -261.06 -
93.2425.39
822 3.50 -3.30 -49.39 -3.49 -49.21 2.89 415.11 49.54 415.10
49.54 1.27
826 3.21 -3.29 -44.20 -3.29 -44.20 0.11 386.04 44.77 385.06
45.7418.24
825 2.08 -1.60 -42.01 -3.22 -40.39 7.93 -87.14 -259.17 -255.89 -
90.4223.56
817 51 821 3.06 5.14 -53.63 -0.73 -47.76 17.62 -112.01 -366.96 -366.39 -
112.5912.11
822 3.96 -4.97 -89.59 -7.96 -86.60 15.63 294.34 23.72 294.27
23.79-4.37
826 3.67 -8.13 -81.88 -8.24 -81.77 -2.82 289.35 24.32 288.80
24.8812.09
825 2.67 -0.50 -43.71 -1.08 -43.13 4.96 -104.86 -338.54 -338.21 -
105.198.76
817 130 821 2.25 2.98 -40.07 -0.83 -36.26 12.23 -83.71 -271.21 -270.61 -
84.3110.59
822 2.96 -3.69 -64.50 -5.65 -62.55 10.72 236.76 20.68 236.72
20.71-2.81
826 2.75 -5.74 -58.90 -5.81 -58.84 -1.87 230.66 20.62 230.19
21.09 9.89
825 1.99 -0.53 -33.23 -1.05 -32.71 4.09 -78.71 -251.71 -251.33 -
79.098.11
817 161 821 1.75 -1.31 -34.46 -2.19 -33.58 5.33 -69.99 -213.99 -211.90 -
72.0817.23
822 2.61 -2.75 -41.60 -3.16 -41.19 3.98 289.71 33.31 289.71
33.31 0.04
826 2.41 -3.08 -37.51 -3.08 -37.51 -0.28 271.90 30.60 271.20
31.3012.95
825 1.64 -1.11 -31.13 -2.16 -30.08 5.51 -67.63 -206.75 -205.07 -
69.3115.20
817 164 821 1.65 -2.12 -33.56 -2.54 -33.14 3.60 -66.68 -200.39 -197.66 -
69.4018.89
822 2.57 -2.40 -36.27 -2.55 -36.12 2.27 304.04 36.40 304.03
36.40 0.75

	826	2.36	-2.40	-32.42	-2.40	-32.42	0.09	283.20	33.03	282.44	
33.78 13.71											
	825	1.56	-1.23	-30.85	-2.44	-29.64	5.88	-65.00	-196.16	-193.92	-
67.2417.01											
817 180	821	1.97	0.55	-37.23	-1.60	-35.07	8.76	-76.46	-238.92	-237.82	-
77.5613.36											
	822	2.76	-3.11	-52.68	-4.23	-51.56	7.36	263.70	27.26	263.69	
27.28 -1.85											
	826	2.56	-4.25	-47.91	-4.26	-47.90	-0.68	252.24	25.88	251.70	
26.43 11.07											
	825	1.80	-0.82	-32.45	-1.68	-31.59	5.14	-72.72	-225.29	-224.47	-
73.5411.17											
817 212	821	1.51	-2.94	-35.45	-3.74	-34.65	5.04	-60.65	-166.92	-164.39	-
63.1716.18											
	822	2.77	-3.92	-43.27	-4.42	-42.77	4.41	318.87	38.64	318.86	
38.65 1.69											
	826	2.58	-4.26	-38.81	-4.35	-38.73	1.70	305.26	37.01	304.68	
37.5912.45											
	825	1.49	-1.25	-33.58	-3.68	-31.14	8.53	-58.61	-163.69	-161.57	-
60.7214.74											
818 5	824	3.15	8.36	-56.05	3.44	-51.13	17.10	-126.35	-363.67	-362.45	-
127.5717.02											
	825	2.03	-1.80	-41.44	-3.33	-39.91	7.63	-93.66	-257.39	-253.77	-
97.2824.09											
	829	2.00	2.20	-34.56	-0.91	-31.46	10.23	-67.62	-260.73	-247.78	-
80.5748.29											
	828	2.84	14.87	-48.43	3.13	-36.68	24.60	-94.91	-299.63	-299.63	-
94.91-0.45											
818 73	824	3.59	1.95	-75.44	1.43	-74.91	6.33	-141.96	-372.72	-372.70	-
141.982.09											
	825	2.37	-1.84	-49.13	-2.04	-48.93	-3.10	-112.41	-278.50	-277.63	-
113.2912.03											
	829	2.22	0.63	-41.19	0.10	-40.66	4.68	-87.59	-271.41	-263.90	-
95.0936.38											
	828	3.20	6.28	-66.10	0.92	-60.74	18.94	-107.28	-305.56	-304.45	-
108.39-14.79											
818 141	824	2.69	1.90	-55.59	1.28	-54.98	5.91	-106.93	-283.36	-283.30	-
106.983.13											
	825	1.78	-1.65	-36.57	-1.70	-36.52	-1.31	-84.34	-211.60	-210.75	-
85.1810.35											
	829	1.67	0.53	-30.73	-0.03	-30.18	4.12	-65.20	-207.22	-201.03	-
71.3929.00											
	828	2.40	5.49	-48.67	0.92	-44.09	15.06	-80.74	-232.45	-231.80	-
81.39-9.89											
818 162	824	2.36	4.99	-43.82	2.22	-41.05	11.30	-94.21	-265.38	-264.66	-
94.9311.04											
	825	1.56	-1.73	-31.18	-2.35	-30.55	4.25	-72.59	-197.93	-195.85	-
74.6716.02											
	829	1.49	1.28	-26.14	-0.54	-24.31	6.83	-53.43	-199.04	-190.49	-
61.9834.23											
	828	2.12	9.69	-37.96	1.99	-30.26	17.54	-70.65	-218.56	-218.53	-
70.68-2.14											
818 164	824	2.29	6.13	-41.43	2.47	-37.77	12.69	-91.49	-262.28	-261.29	-
92.4913.00											
	825	1.51	-1.38	-30.41	-2.52	-29.27	5.65	-69.94	-195.00	-192.51	-
72.4317.47											
	829	1.49	1.62	-25.32	-0.68	-23.02	7.52	-50.74	-197.44	-188.22	-
59.9635.61											
	828	2.07	11.01	-35.72	2.27	-26.97	18.22	-68.48	-216.22	-216.22	-
68.48-0.26											
818 174	824	2.88	1.02	-54.30	0.65	-53.94	4.46	-106.92	-325.32	-324.53	-
107.7013.07											
	825	1.93	-0.86	-29.16	-1.11	-28.91	-2.64	-84.44	-258.74	-255.72	-
87.4522.71											
	829	1.75	1.67	-23.80	0.57	-22.70	5.17	-62.18	-245.32	-235.68	-
71.8140.89											
	828	2.53	5.52	-48.39	0.30	-43.17	15.93	-80.51	-263.71	-263.71	-
80.51-0.21											
818 210	824	2.71	5.34	-45.96	3.05	-43.67	10.60	-103.76	-315.59	-314.93	-

104.4211.80											
	825	1.72	-0.87	-29.62	-1.32	-29.17	3.57	-77.63	-227.49	-224.92	-
80.2019.46											
	829	1.66	1.42	-23.96	0.47	-23.01	4.82	-58.43	-226.98	-217.77	-
67.6438.31											
	828	2.35	8.60	-38.63	2.72	-32.76	15.59	-78.56	-259.47	-259.43	-
78.60-2.66											
819 5	825	2.11	-1.44	-41.85	-3.16	-40.13	8.15	-87.64	-267.17	-258.91	-
95.9137.62											
	826	3.22	-3.26	-44.13	-3.26	-44.12	-0.52	386.48	44.30	386.46	
44.31 2.21											
	830	2.64	-2.36	-32.49	-2.45	-32.40	-1.62	339.05	46.46	337.44	
48.0721.66											
	829	1.97	2.59	-35.03	-0.93	-31.51	10.95	-71.81	-259.28	-251.62	-
79.4637.10											
819 51	825	2.93	11.00	-54.64	-0.92	-42.72	25.31	-108.21	-342.63	-341.03	-
109.8119.28											
	826	3.79	-4.48	-84.61	-8.09	-81.01	16.62	289.91	21.66	289.85	
21.72-3.89											
	830	3.20	-7.56	-69.60	-7.66	-69.51	2.45	273.29	30.84	272.48	
31.6513.96											
	829	2.48	6.45	-39.80	0.93	-34.28	14.99	-86.80	-305.50	-304.29	-
88.0116.24											
819 130	825	2.14	7.00	-40.34	-0.93	-32.41	17.68	-81.14	-255.11	-253.52	-
82.7316.55											
	826	2.82	-3.49	-60.54	-5.71	-58.32	11.03	231.07	18.81	231.04	
18.84 -2.41											
	830	2.38	-5.30	-49.54	-5.35	-49.49	1.46	215.46	25.19	214.77	
25.89 11.47											
	829	1.85	4.55	-29.95	0.53	-25.93	11.07	-65.29	-229.61	-228.33	-
66.5614.42											
819 161	825	1.66	0.23	-32.19	-2.10	-29.87	8.36	-68.70	-212.03	-207.35	-
73.3825.46											
	826	2.42	-2.94	-37.46	-3.04	-37.36	1.91	272.27	29.98	272.27	
29.98 0.66											
	830	1.99	-2.48	-28.65	-2.50	-28.63	-0.69	242.14	32.87	241.01	
33.9915.28											
	829	1.55	2.44	-26.39	-0.44	-23.51	8.65	-56.17	-202.40	-198.21	-
60.3624.39											
819 164	825	1.57	-1.10	-30.73	-2.39	-29.44	6.04	-65.53	-202.11	-196.22	-
71.4227.74											
	826	2.36	-2.38	-32.37	-2.39	-32.36	-0.39	283.56	32.69	283.55	
32.70 1.41											
	830	1.93	-1.72	-23.70	-1.79	-23.63	-1.26	249.57	34.68	248.33	
35.9116.24											
	829	1.48	1.92	-25.68	-0.69	-23.07	8.07	-53.85	-196.34	-191.04	-
59.1526.96											
819 180	825	1.86	3.28	-36.38	-1.62	-31.48	13.05	-74.92	-229.59	-226.77	-
77.7420.69											
	826	2.60	-3.21	-48.67	-4.17	-47.71	6.56	252.62	24.58	252.61	
24.58 -1.11											
	830	2.18	-3.71	-39.01	-3.72	-39.00	0.64	230.47	29.30	229.60	
30.1713.22											
	829	1.68	3.47	-28.63	-0.04	-25.12	10.01	-60.72	-211.88	-209.39	-
63.2019.23											
819 212	825	1.55	-1.36	-33.21	-3.64	-30.93	8.21	-59.12	-169.51	-163.78	-
64.8624.50											
	826	2.59	-4.20	-38.86	-4.37	-38.69	2.38	305.98	36.49	305.97	
36.51 2.01											
	830	2.17	-3.82	-29.44	-3.85	-29.40	0.97	277.83	40.27	277.05	
41.0613.64											
	829	1.49	2.90	-29.38	-1.97	-24.51	11.55	-47.40	-166.05	-160.89	-
52.5624.20											
820 15	828	1.80	1.81	-48.25	1.02	-47.47	-6.21	-54.02	-113.69	-113.62	-
54.092.11											
	829	2.28	10.75	-44.31	-1.79	-31.76	-23.09	-71.08	-235.99	-235.91	-
71.16-3.59											
	833	2.23	15.37	-33.76	1.25	-19.64	-22.24	-63.47	-231.83	-230.83	-
64.4712.96											

	832	1.09	2.10	-27.35	1.40	-26.65	-4.48	-23.00	-79.21	-74.55	-
27.66-15.50											
820 29	828	3.10	43.78	-53.31	5.40	-14.93	47.47	-50.87	-171.16	-167.99	-
54.0419.26											
	829	2.63	17.69	-57.51	-3.56	-36.26	33.86	-54.17	-139.32	-132.77	-
60.7222.70											
	833	2.26	19.40	-42.84	2.95	-26.39	27.44	-45.70	-159.47	-148.90	-
56.2733.03											
	832	2.64	45.17	-34.93	6.95	3.29	40.01	-15.46	-107.15	-103.88	-
18.74-17.01											
820 119	828	2.27	30.44	-39.99	3.92	-13.46	34.13	-42.83	-142.90	-140.77	-
44.9514.43											
	829	1.91	11.77	-41.47	-2.47	-27.22	23.57	-43.36	-118.61	-113.69	-
48.2818.60											
	833	1.68	13.66	-31.11	2.26	-19.70	19.51	-35.78	-131.53	-123.03	-
44.2827.23											
	832	1.96	32.01	-26.68	4.86	0.47	29.26	-15.15	-90.68	-88.57	-
17.27-12.46											
820 163	828	2.04	10.45	-36.84	2.20	-28.59	17.94	-67.64	-218.69	-217.92	-
68.4110.76											
	829	1.49	1.22	-25.71	-0.63	-23.86	6.81	-55.41	-195.90	-191.04	-
60.2725.67											
	833	1.42	6.19	-20.58	2.37	-16.76	9.36	-41.30	-190.17	-179.38	-
52.0938.59											
	832	1.71	14.46	-28.14	1.47	-15.14	19.61	-36.01	-146.82	-145.97	-
36.87-9.68											
820 164	828	2.01	11.53	-35.47	2.41	-26.35	18.59	-66.01	-216.80	-215.85	-
66.9611.91											
	829	1.46	1.57	-25.14	-0.70	-22.87	7.45	-53.50	-193.87	-188.87	-
58.5026.00											
	833	1.41	5.97	-19.61	2.15	-15.79	9.11	-39.71	-189.26	-178.25	-
50.7239.06											
	832	1.66	15.13	-26.34	1.70	-12.92	19.40	-35.18	-145.53	-144.89	-
35.82-8.39											
820 174	828	2.34	2.42	-43.37	0.64	-41.59	8.86	-83.27	-265.10	-264.30	-
84.0611.97											
	829	1.84	0.91	-22.75	0.59	-22.43	-2.76	-61.71	-241.76	-235.80	-
67.6832.22											
	833	1.58	3.38	-16.63	2.27	-15.52	4.58	-42.85	-224.48	-210.66	-
56.6748.16											
	832	1.82	5.71	-35.29	-1.20	-28.38	15.34	-49.38	-178.95	-178.67	-
49.66-6.00											
820 226	828	2.26	10.32	-40.54	2.62	-32.85	18.23	-73.94	-240.72	-240.14	-
74.519.76											
	829	1.55	1.58	-27.17	-0.42	-25.16	7.33	-57.22	-201.57	-196.30	-
62.4927.06											
	833	1.45	5.37	-21.27	1.97	-17.87	8.88	-40.82	-194.28	-182.11	-
52.9841.46											
	832	1.83	13.11	-31.08	1.78	-19.75	19.29	-39.68	-158.68	-157.61	-
40.75-11.23											
821 15	829	2.34	10.06	-43.80	-1.67	-32.07	-22.23	-69.44	-237.06	-236.75	-
69.757.21											
	830	2.78	25.14	-49.12	-1.14	-22.85	-35.51	191.38	22.45	189.33	
24.50-18.51											
	834	2.30	29.40	-40.24	-0.54	-10.29	-34.48	155.05	29.96	154.13	
30.8810.66											
	833	2.16	15.01	-33.46	1.42	-19.86	-21.77	-64.13	-230.94	-230.83	-
64.244.24											
821 51	829	2.93	20.90	-54.16	1.01	-34.27	33.13	-89.71	-310.02	-306.55	-
93.1927.45											
	830	3.32	-0.83	-72.59	-7.12	-66.30	20.29	270.50	27.05	270.44	
27.11-3.94											
	834	2.64	-3.36	-54.02	-5.77	-51.61	10.77	238.82	30.99	237.00	
32.8119.40											
	833	2.34	17.34	-37.74	4.22	-24.62	23.46	-74.48	-266.27	-263.72	-
77.0422.00											
821 130	829	2.15	14.04	-39.34	0.60	-25.89	23.17	-66.56	-233.22	-229.92	-
69.8523.19											
	830	2.44	-1.14	-51.15	-4.98	-47.31	13.32	213.34	22.95	213.32	

22.98-2.05											
	834	1.94	-2.40	-37.61	-3.96	-36.05	7.25	186.62	25.19	185.01	
26.8016.04											
	833	1.74	12.38	-27.82	3.06	-18.49	16.97	-55.46	-202.28	-199.73	-
58.0119.17											
821 161	829	1.63	4.20	-27.82	-0.31	-23.31	11.13	-52.22	-206.88	-199.04	-
60.0533.91											
	830	1.97	-2.34	-28.03	-2.42	-27.94	1.45	240.26	34.04	240.21	
34.08 3.06											
	834	1.51	-1.25	-17.17	-1.48	-16.95	1.88	201.56	32.09	198.70	
34.9521.85											
	833	1.45	7.52	-21.53	2.06	-16.07	11.36	-44.43	-190.08	-183.24	-
51.2730.80											
821 164	829	1.52	2.11	-25.50	-0.55	-22.84	8.14	-48.54	-201.09	-191.69	-
57.9436.68											
	830	1.91	-1.68	-23.42	-1.79	-23.31	-1.54	247.77	36.66	247.68	
36.75 4.33											
	834	1.44	-0.84	-12.34	-0.86	-12.32	0.50	205.85	33.69	202.63	
36.9123.32											
	833	1.41	6.34	-20.13	1.80	-15.59	9.98	-41.56	-187.70	-179.42	-
49.8433.78											
821 180	829	1.89	8.86	-33.88	0.06	-25.08	17.28	-59.32	-216.13	-210.64	-
64.8028.80											
	830	2.18	-2.21	-38.88	-3.50	-37.59	6.77	228.51	28.84	228.50	
28.84 0.91											
	834	1.72	-1.88	-27.53	-2.81	-26.60	4.79	196.39	28.82	194.10	
31.1019.45											
	833	1.56	9.74	-25.28	2.33	-17.87	14.31	-49.99	-192.42	-187.74	-
54.6725.39											
821 212	829	1.54	2.77	-28.86	-1.81	-24.28	11.13	-42.24	-170.60	-161.48	-
51.3532.97											
	830	2.15	-3.74	-29.25	-3.88	-29.11	1.85	276.98	41.93	276.93	
41.99 3.60											
	834	1.67	-2.21	-17.82	-2.93	-17.10	3.27	234.54	40.70	232.88	
42.3617.89											
	833	1.52	8.65	-25.05	0.49	-16.89	14.43	-35.58	-161.89	-153.87	-
43.5930.79											
822 15	832	1.12	1.46	-25.67	0.82	-25.04	-4.10	-13.74	-72.40	-72.37	-
13.771.34											
	833	2.19	15.66	-34.04	1.31	-19.69	-22.52	-51.77	-232.39	-232.39	-
51.77-0.97											
	837	1.81	20.69	-21.42	4.88	-5.61	-20.39	-41.47	-173.14	-172.30	-
42.3110.54											
	836	0.87	9.20	-9.73	4.06	-4.59	-8.42	0.16	-73.46	-58.15	-
15.15-29.88											
822 51	832	3.44	63.16	-46.38	9.11	7.67	54.76	-43.54	-120.23	-118.24	-
45.52-12.17											
	833	2.71	31.23	-56.01	1.89	-26.67	41.22	-29.02	-147.61	-146.63	-
30.0010.71											
	837	2.25	23.40	-40.54	3.21	-20.36	29.72	-11.10	-116.76	-103.49	-
24.3735.02											
	836	2.66	50.19	-22.50	4.13	23.56	35.03	48.47	-43.10	5.73	-
0.35-45.68											
822 130	832	2.46	44.17	-34.14	6.48	3.55	39.13	-33.69	-99.44	-98.63	-
34.50-7.26											
	833	1.95	21.47	-39.81	1.53	-19.87	28.72	-23.72	-122.26	-121.08	-
24.9010.72											
	837	1.66	16.77	-29.15	2.66	-15.04	21.18	-9.86	-97.24	-86.69	-
20.4128.47											
	836	1.91	35.22	-16.97	2.54	15.71	25.25	32.99	-34.97	-2.18	
0.21-33.96											
822 163	832	1.67	16.53	-27.67	2.85	-13.99	20.43	-32.85	-149.88	-149.66	-
33.075.08											
	833	1.44	5.58	-19.36	2.31	-16.09	8.42	-30.71	-181.28	-176.25	-
35.7327.05											
	837	1.29	8.75	-17.47	2.95	-11.67	10.88	-15.58	-142.51	-128.56	-
29.5339.70											
	836	1.21	12.52	-17.88	-2.86	-2.49	15.20	14.71	-53.94	-41.40	
2.16-26.53											

822 164 31.156.40	832	1.60	16.62	-25.30	3.04	-11.72	19.62	-30.80	-148.84	-148.49	-
	833	1.41	5.98	-19.62	1.99	-15.64	9.28	-31.69	-179.99	-174.96	-
36.7326.85	837	1.24	9.13	-16.23	3.87	-10.97	10.28	-18.30	-145.65	-132.75	-
31.2038.42	836	1.15	13.46	-15.05	-1.59	6.59e-03	14.23	14.87	-56.56	-45.04	
3.35-26.27											
822 175 30.83-0.06	832	2.04	34.96	-29.07	5.29	0.60	31.93	-30.83	-117.02	-117.02	-
	833	1.70	16.03	-31.97	1.42	-17.36	22.08	-27.35	-144.43	-141.67	-
30.1117.77	837	1.43	14.08	-22.34	4.17	-12.43	16.21	-15.32	-120.20	-109.44	-
26.0931.83	836	1.55	28.26	-13.19	2.40	12.68	20.08	22.63	-42.87	-22.86	
2.62-30.17											
822 210 38.073.08	832	1.73	12.32	-26.33	2.99	-17.00	16.54	-38.00	-178.09	-178.03	-
	833	1.56	4.58	-17.12	3.07	-15.62	5.51	-38.15	-204.56	-199.09	-
43.6229.68	837	1.18	6.01	-12.13	4.02	-10.14	5.67	-19.95	-159.42	-146.12	-
33.2540.97	836	1.06	8.58	-13.48	-1.04	-3.86	10.94	9.84	-73.28	-61.79	-
1.66-28.69											
823 15 49.0419.09	833	2.28	14.29	-33.29	0.81	-19.81	-21.43	-47.04	-231.63	-229.63	-
	834	2.35	31.08	-40.23	-0.44	-8.71	-35.42	150.65	38.75	150.17	
39.23 -7.31	838	2.13	26.78	-27.02	-0.17	-0.07	-26.90	128.23	19.67	109.52	
38.3741.00	837	1.93	22.35	-22.43	6.03	-6.11	-21.55	-43.12	-174.53	-172.67	-
44.9815.52											
823 29 54.2646.22	833	3.22	32.63	-54.29	4.76	-26.42	40.57	-44.50	-272.95	-263.19	-
	834	2.53	13.82	-48.73	-2.13	-32.78	27.26	229.51	45.76	229.50	
45.77 1.22	838	2.32	20.06	-40.24	-3.49	-16.69	29.42	155.74	23.17	148.26	
30.6430.58	837	2.79	30.07	-48.92	1.59	-20.44	37.93	-34.67	-205.44	-199.63	-
40.4830.95											
823 119 41.2136.95	833	2.34	22.59	-38.70	3.54	-19.65	28.37	-32.99	-207.25	-199.03	-
	834	1.84	8.81	-33.75	-1.53	-23.41	18.25	179.69	36.45	179.65	
36.48 2.13	838	1.68	14.18	-27.59	-2.36	-11.06	20.43	122.94	18.19	116.52	
24.61 25.11	837	2.04	21.24	-34.91	1.35	-15.03	26.85	-25.61	-156.17	-150.93	-
30.8525.62											
823 160 38.2444.13	833	1.63	9.98	-23.12	2.88	-16.03	13.59	-25.70	-193.56	-181.01	-
	834	1.41	0.26	-15.10	-0.94	-13.90	4.13	195.90	42.73	195.44	
43.18 8.34	838	1.19	7.82	-10.22	-0.64	-1.76	9.00	139.26	19.78	129.12	
29.9233.30	837	1.46	11.54	-20.85	2.03	-11.34	14.75	-18.94	-147.47	-137.13	-
29.2934.97											
823 164 37.7446.02	833	1.47	7.12	-19.65	2.72	-15.25	9.92	-23.89	-190.65	-176.80	-
	834	1.36	-0.76	-11.70	-0.79	-11.67	0.56	200.52	44.14	199.89	
44.77 9.90	838	1.10	6.28	-5.97	-0.21	0.53	6.11	143.78	20.18	132.64	
31.3235.40	837	1.32	9.21	-17.52	2.20	-10.50	11.76	-17.00	-145.81	-133.85	-
28.9637.39											
823 167 40.2840.32	833	2.01	17.21	-30.82	3.38	-16.98	21.75	-30.22	-201.88	-191.82	-
	834	1.58	5.37	-24.08	-1.11	-17.59	12.20	184.63	39.79	184.40	
40.02 5.69	838	1.46	12.29	-18.90	-1.04	-5.57	15.43	129.91	18.58	121.09	

27.3930.06											
	837	1.77	17.42	-27.53	2.23	-12.34	21.26	-23.03	-152.65	-144.91	-
30.7730.72											
823 212	833	1.56	9.11	-24.14	1.60	-16.62	13.91	-17.72	-164.35	-151.02	-
31.0542.15											
	834	1.60	-1.46	-17.92	-2.88	-16.50	4.63	231.40	50.44	231.19	
50.65 6.15											
	838	1.20	7.14	-10.84	-1.74	-1.97	8.99	156.85	28.69	151.76	
33.7925.04											
	837	1.55	12.77	-23.73	0.53	-11.50	17.23	-14.06	-130.30	-119.28	-
25.0834.04											
824 16	836	1.21	0.91	-18.98	-13.21	-4.86	-9.03	18.34	-81.49	-75.06	
11.91-24.51											
	837	2.07	34.45	-25.64	6.63	2.17	-29.96	-89.85	-139.76	-128.55	-
101.07-20.83											
	854	1.97	29.85	-10.32	26.91	-7.38	-10.46	162.37	23.54	27.01	
158.9021.67											
	853	2.66	70.38	-5.07	54.34	10.97	-30.87	-11.66	-85.86	-47.36	-
50.16-37.07											
824 51	836	3.30	72.71	-32.83	26.12	13.75	52.41	57.45	10.27	44.80	
22.92-20.90											
	837	2.81	38.01	-52.32	6.89	-21.20	42.93	-54.74	-110.36	-106.63	-
58.4813.93											
	854	3.00	-4.66	-83.63	-73.15	-15.13	26.79	86.45	-30.72	-29.00	
84.73-14.09											
	853	5.08	24.39	-127.50	-97.09	-6.03	60.78	171.52	45.29	58.40	
158.41-38.51											
824 130	836	2.32	51.09	-22.09	19.62	9.38	36.23	37.24	1.33	26.62	
11.95-16.39											
	837	2.05	26.85	-37.95	5.11	-16.22	30.59	-42.37	-92.41	-88.95	-
45.8412.70											
	854	2.17	-3.45	-58.93	-51.68	-10.70	18.70	65.93	-23.85	-23.35	
65.44-6.62											
	853	3.64	17.15	-91.54	-70.23	-4.16	43.15	126.07	33.87	42.94	
116.99-27.47											
824 161	836	1.22	26.65	-6.38	17.09	3.17	14.98	2.35	-33.74	-13.99	-
17.40-17.97											
	837	1.52	14.70	-26.22	4.13	-15.65	17.91	-43.72	-131.35	-124.83	-
50.2422.99											
	854	1.43	-2.73	-30.82	-27.74	-5.80	8.77	68.95	-31.20	-28.82	
66.5815.24											
	853	2.23	8.93	-57.51	-46.93	-1.65	24.31	95.61	28.46	32.68	
91.38-16.31											
824 164	836	1.00	21.32	-3.20	16.55	1.58	9.71	-6.25	-43.09	-24.39	-
24.96-18.42											
	837	1.41	11.85	-23.58	3.89	-15.61	14.79	-44.09	-141.28	-133.96	-
51.4125.65											
	854	1.26	-2.55	-23.88	-21.83	-4.60	6.29	71.41	-34.42	-30.17	
67.1620.78											
	853	1.89	7.00	-49.34	-41.31	-1.03	19.70	88.47	26.96	30.07	
85.36-13.48											
824 175	836	1.89	42.47	-13.77	19.59	9.11	27.63	17.74	-20.05	2.03	-
4.34-18.63											
	837	1.81	21.96	-32.51	5.42	-15.98	25.04	-42.15	-115.31	-110.76	-
46.7117.68											
	854	1.85	-4.70	-46.77	-42.32	-9.16	12.94	67.81	-26.23	-25.89	
67.48 5.63											
	853	3.00	14.97	-76.06	-60.34	-0.74	34.40	108.29	30.92	37.22	
101.99-21.16											
824 212	836	1.08	26.00	-6.52	17.96	1.53	14.03	13.21	-29.91	8.06	-
24.76-13.99											
	837	1.71	15.24	-31.06	1.56	-17.39	21.12	-33.05	-128.19	-120.88	-
40.3625.34											
	854	1.35	0.46	-27.68	-24.60	-2.62	8.78	49.71	-35.42	-32.52	
46.8115.44											
	853	2.39	8.22	-62.41	-50.48	-3.71	26.46	105.76	42.95	44.87	
103.84-10.82											
825 15	837	2.15	21.71	-22.50	5.75	-6.54	-21.24	-76.07	-198.04	-173.54	-
100.5748.87											

	838	2.22	28.96	-29.41	-1.38	0.93	-29.16	121.83	15.79	106.95
30.6636.82										
	855	1.07	5.39	-4.62	0.27	0.50	-5.00	133.27	11.77	44.95
100.0954.13										
	854	1.88	26.66	-10.18	21.10	-4.62	-13.19	160.25	16.02	21.07
155.1926.52										
825 79	837	2.49	29.62	-30.37	3.97	-4.72	-29.68	-84.92	-192.59	-168.06
109.4545.16										
	838	2.52	32.51	-37.20	-3.85	-0.84	-34.82	127.22	25.15	115.15
37.2132.96										
	855	1.53	15.08	-9.56	6.12	-0.59	-11.85	146.97	16.66	56.14
107.4859.89										
	854	2.26	40.19	-13.88	27.54	-1.23	-22.89	154.24	21.87	29.31
146.8030.49										
825 130	837	2.57	30.16	-37.85	4.34	-12.03	33.00	-45.04	-172.29	-153.72
63.6044.91										
	838	1.49	18.93	-24.17	-2.33	-2.91	21.55	116.46	16.45	116.02
16.89 6.61										
	855	0.95	9.32	-20.44	-8.31	-2.81	14.62	25.13	-9.96	23.23
8.067.94										
	854	1.75	6.92	-40.16	-28.94	-4.30	20.06	63.45	-44.28	-43.26
62.44-10.41										
825 161	837	1.92	15.94	-23.46	3.94	-11.46	18.14	-25.46	-172.01	-139.84
57.6360.66										
	838	1.09	9.45	-10.22	-1.77	1.00	9.74	134.51	26.56	129.47
31.6122.79										
	855	0.63	5.82	-3.52	-0.19	2.48	4.47	54.88	-10.44	37.82
6.6228.70										
	854	1.25	-0.25	-23.72	-21.32	-2.65	7.11	67.54	-31.09	-30.02
66.47 10.19										
825 164	837	1.76	12.57	-20.13	3.84	-11.40	14.46	-20.23	-172.59	-136.57
56.2564.74										
	838	1.01	7.14	-6.83	-1.64	1.95	6.75	140.13	28.52	133.22
35.4326.90										
	855	0.58	4.99	0.69	1.86	3.82	1.91	63.47	-11.28	41.70
10.4933.96										
	854	1.14	-1.42	-20.29	-19.46	-2.25	3.87	70.27	-29.11	-26.66
67.8215.40										
825 175	837	2.31	24.34	-31.79	4.47	-11.92	26.84	-33.27	-172.34	-147.11
58.5053.59										
	838	1.33	15.58	-17.60	-1.53	-0.49	16.58	123.17	20.55	120.73
23.0015.66										
	855	0.82	8.51	-13.63	-5.25	0.13	10.74	36.12	-10.20	28.16
2.2417.48										
	854	1.57	3.72	-33.94	-26.14	-4.08	15.26	65.56	-38.09	-38.09
65.56-0.55										
825 211	837	1.97	17.21	-25.87	3.45	-12.12	20.08	-19.11	-156.95	-124.64
51.4158.39										
	838	1.15	9.54	-13.83	-3.26	-1.03	11.63	147.41	34.10	145.33
36.1915.24										
	855	0.56	6.89	0.60	2.91	4.59	3.03	50.11	-15.29	36.70
1.8926.41										
	854	1.30	1.25	-26.31	-23.40	-1.66	8.47	57.57	-29.42	-28.76
56.91 7.53										

Elem.	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			-3860.38	-1922.88	-2485.73	-2958.36		-1.627e+04	-1.128e+04		-
1.254e+04	-7879.13										
	234.61	7268.87		4737.59	3839.10	3236.08	3.094e+04		1.565e+04		
2.824e+04	8423.62										

19 VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

19.1 LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d, le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

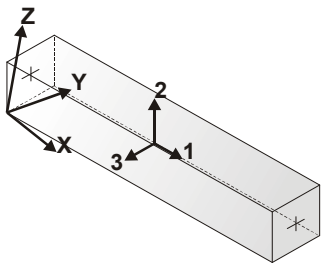
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

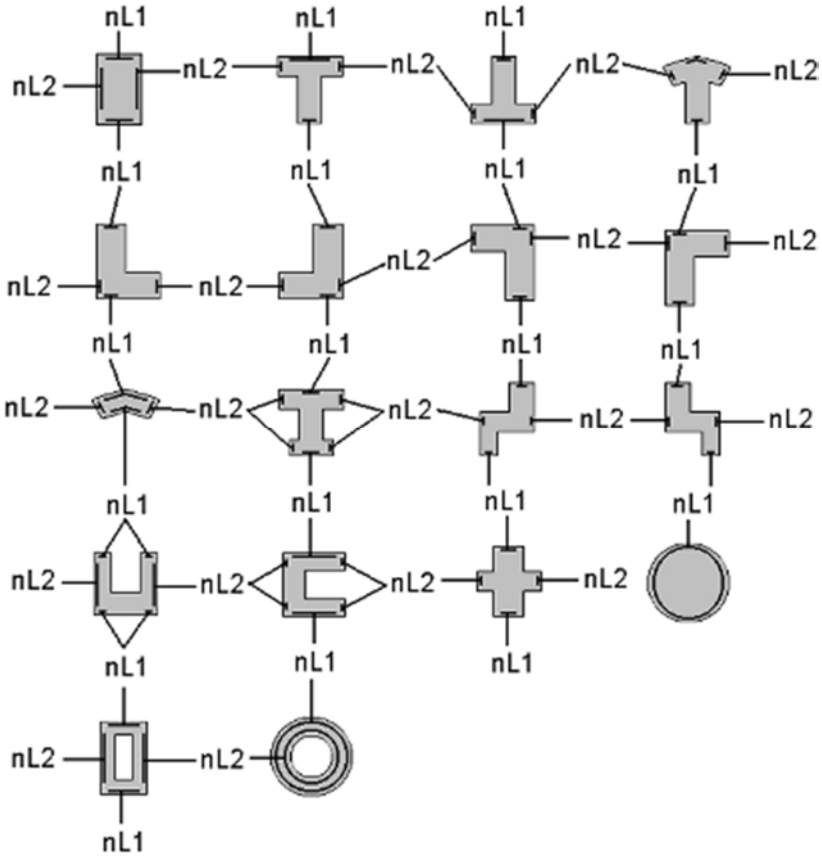
Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze **(G.R.)** vengono riportate le verifiche di sovraresistenza e del nodo.

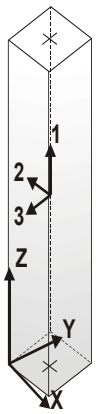
Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali

	
	Orientamento elementi 2D non verticali





Orientamento elementi 2D verticali

19.2 PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando la componente sismica delle combinazioni di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono eseguita dal modulo geotecnico incrementando automaticamente le componenti sismiche delle sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli S.L. dei pilastri è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell'elemento D2
Note	Codici identificativi delle sezione (s) e materiale (m) pilastro
Stato	Codici relativi all'esito delle verifiche effettuate appresso descritte
Quota	Quota sezione di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
r. snell.	Rapporto di snellezza λ su λ*: valore superiore a 1 per elementi snelli nel caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Armat. long.	Numero e diametro (d) dei ferri di armatura longitudinale distinti in ferri di vertice + ferri di lato nelle posizioni nL1 e nL2, come da schemi in figura precedente
V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto Nsd/Nrd ed Nrd calcolato

	come al punto 7.4.4.2.1: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche di gerarchia delle resistenze dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell'elemento D2 pilastro
sovr. Xi (Xf)	Verifica sovraresistenza come da formula 7.4.4 in direzione X, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
sovr. Yi (Yf)	Verifica sovraresistenza come da formula 7.4.4 in direzione Y, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
M 2-2 i (f)	Valore del momento resistente 2-2 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
M 3-3 i (f)	Valore del momento resistente 3-3 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2 (M3-3)	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per le verifiche dei dettagli costruttivi relativi alla duttilità è presente una tabella con i simboli di seguito descritti:
(Non presente nel caso di comportamento strutturale non dissipativo)

Pilas	Numero identificativo D2 pilastro
ni	Sforzo assiale adimensionalizzato di progetto relativo alla combinazione sismica SLV
alfaomega	Prodotto tra il coefficiente di efficacia del confinamento e il rapporto meccanico dell'armatura trasversale di confinamento all'interno del nodo
V.7.4.29 2-2 (3-3)	Rapporto tra la domanda di staffe minima nel nodo e il rapporto meccanico dell'armatura trasversale di confinamento inserito all'interno del nodo in direzione 2 (3)
V. 7.4.29 Stato	Codici relativi all'esito della verifica 7.4.29
dmu_fi 2-2 (3-3)	Domanda in duttilità di curvatura in direzione 2 (3)
cmu_fi 2-2 (3-3)	Capacità in duttilità di curvatura in direzione 2 (3)
V. dutt. 2-2 (3-3)	Rapporto tra la domanda in duttilità di curvatura e la capacità in duttilità di curvatura in direzione 2 (3)

Per le verifiche dei nodi trave-pilastro di elementi nuovi è presente una tabella con i simboli di seguito descritti:

Nodo	Numero identificativo del nodo trave-pilastro
Stato	Esito delle verifiche
Pilastro	Numero identificativo D2 pilastro
Diam st	Diametro staffe nodo

Passo	Passo staffe nodo
n. br. 2 (3)	Numero braccia staffe per il taglio in direzione 2 (3)
Bj2 (3)	Larghezza effettiva del nodo per il taglio in direzione 2 (3)
Hjc2 (3)	Distanza tra le giaciture più esterne delle armature del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio Vjbd e il taglio resistente come da formula 7.4.8
V. Ash	Rapporto tra il passo staffe calcolato secondo il capitolo 7.4.4.3.1. e il passo staffe effattivamente inserita nel nodo. Nel caso di valore indica passo staffe utilizzato deriva dalle formule presenti nel paragrafo 7.4.4.3.1. Nel caso di valore minore di 1 il passo staffe utilizzato deriva del pilastro superiore o inferiore al nodo
7.4.10	Check passo staffe valutato in funzione della formula 7.4.10: • SI il passo staffe è calcolato utilizzando la formula 7.4.10; • NO il passo staffe è calcolato utilizzando le formule 7.4.11 e/o 7.4.12; • NR calcolo passo staffe non richiesto;
Rif. comb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il nodo

Per le verifiche dei nodi trave-pilastro di elementi esistenti è presente una tabella con i simboli di seguito descritti:

Pilastro I	Numero identificativo D2 del pilastro inferiore.
Pilastro S	Numero identificativo D2 del pilastro superiore.
Nodo	Numero identificativo del nodo trave-pilastro.
SL cod	Stato limite di riferimento e relativo esito delle verifiche.
ver. (+)	Coefficiente di sicurezza, calcolato come rapporto D/C, nei riguardi della verifica di resistenza a trazione
V +	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a trazione
V + af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a trazione
N +	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a trazione
ver. (-)	Coefficiente di sicurezza, calcolato come rapporto D/C, nei riguardi della verifica di resistenza a compressione
V -	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a compressione
V - af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a compressione
N -	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a compressione
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2}*h_{jc2}$).
AreaV3	Area resistente del nodo in direzione 3 ($A_{j3}=b_{j3}*h_{jc3}$).
Rif. comb.	Combinazione (direzione) di riferimento nella verifica di trazione.

Per le verifiche agli S.L. delle travi è presente una tabella con i simboli di seguito descritti:

M_T Z P P	Numero della travata (T), quota media (Z), n° pilastrata iniziale (P) e finale (P) (nodo in assenza di pilastrata)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso

Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Per le verifiche di gerarchia delle resistenze delle travi è presente una tabella con i simboli di seguito descritti:

Trave	numero identificativo dell'elemento D2 trave
M negativo i (f)	Valore del momento resistente negativo all' estremità iniziale i (finale f) della trave
M positivo i (f)	Valore del momento resistente positivo all' estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M+i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD "A")
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD "A")

Per le verifiche a taglio ciclico di travi e pilastri esistenti è presente una tabella con i simboli di seguito descritti:

Trave/Pilastro	Numero identificativo dell'elemento D2 trave/pilastro
V. SLV	Codice relativo all'esito delle verifiche
Nodo	Numero identificativo del nodo di verifica
Ver. VC	Fattore di sicurezza nei confronti della verifica a taglio ciclico (verificato se < 1.00)
Direz.	Direzione di verifica
N fr	Valore di sforzo normale calcolato con fattore di comportamento fragile
V fr	Valore di taglio calcolato con fattore di comportamento fragile
M fr	Valore di momento calcolato con fattore di comportamento fragile
N dutt	Valore di sforzo normale calcolato con fattore di comportamento duttile
LV	Lunghezza di taglio
Mud,pl	Parte plastica della domanda di duttilità
V cic	Resistenza a taglio in condizioni cicliche (C8.7.2.8)
Cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

M_T= 1 Z=25.0 N=572 N=579

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe L=cm	Rif. cmb
13	ok,ok	0.0	2.23	20.1	18.1	0.0	0.20	0.97	0.14	0.19	2d8/20 L=92	58,101,79

s=1,m=5 58,101,80	46.2	2.23	20.1	18.1	0.0	0.23	0.94	0.06	0.04	2d8/20 L=92
	92.5	2.23	20.1	18.1	0.0	0.23	0.95	0.11	0.17	2d8/20 L=92
58,57,45										
14 ok,ok 58,101,51	0.0	2.23	20.1	20.1	0.0	0.22	0.98	0.11	0.12	2d8/20 L=52
s=1,m=5 57,101,79	26.2	2.23	20.1	20.1	0.0	0.22	0.99	0.09	0.05	2d8/20 L=52
	52.5	2.23	20.1	20.1	0.0	0.22	0.97	0.15	0.17	2d8/20 L=52
58,101,79										
15 ok,ok 58,101,67	0.0	2.46	22.1	22.1	0.0	0.22	0.92	0.11	0.17	2d8/20 L=72
s=1,m=5 57,102,58	36.2	2.46	22.1	22.1	0.0	0.22	0.94	0.03	3.05e-03	2d8/20 L=72
	72.5	2.46	22.1	22.1	0.0	0.22	0.92	0.11	0.17	2d8/20 L=72
58,101,45										
16 ok,ok 58,73,45	0.0	2.46	22.1	22.1	0.0	0.22	0.93	0.11	0.21	2d8/20 L=85
s=1,m=5 57,73,51	42.5	2.46	22.1	22.1	0.0	0.22	0.95	0.01	4.84e-03	2d8/20 L=85
	85.0	2.46	22.1	22.1	0.0	0.22	0.93	0.11	0.20	2d8/20 L=85
58,73,67										
17 ok,ok 80,79,5	0.0	2.46	22.1	22.1	0.0	0.22	0.92	0.12	0.21	2d8/20 L=85
s=1,m=5 80,80,15	42.5	2.46	22.1	22.1	0.0	0.22	0.94	0.03	5.17e-03	2d8/20 L=85
	85.0	2.46	22.1	22.1	0.0	0.22	0.92	0.12	0.20	2d8/20 L=85
80,79,45										
18 ok,ok 80,79,59	0.0	2.46	22.1	20.1	0.0	0.23	0.98	0.12	0.15	2d8/20 L=55
s=1,m=5 80,80,59	27.5	2.46	22.1	20.1	0.0	0.23	0.97	0.06	0.02	2d8/20 L=55
	55.0	2.46	22.1	20.1	0.0	0.23	0.97	0.10	0.12	2d8/20 L=55
80,79,5										
19 ok,ok 80,79,5	0.0	2.46	22.1	22.1	0.0	0.22	0.95	0.09	0.16	2d8/20 L=90
s=1,m=5 79,80,57	45.0	2.46	22.1	22.1	0.0	0.22	0.96	0.04	0.03	2d8/20 L=90
	90.0	2.46	22.1	22.1	0.0	0.22	0.93	0.12	0.18	2d8/20 L=90
80,79,57										

Trave	**%Af**	**Af inf.**	**Af. sup**	**Af long.**	**x/d**	**V N/M**	**V V/T cls**	**V V/T acc**
	2.46	22.11	22.11	0.0	0.23	0.99	0.15	0.21

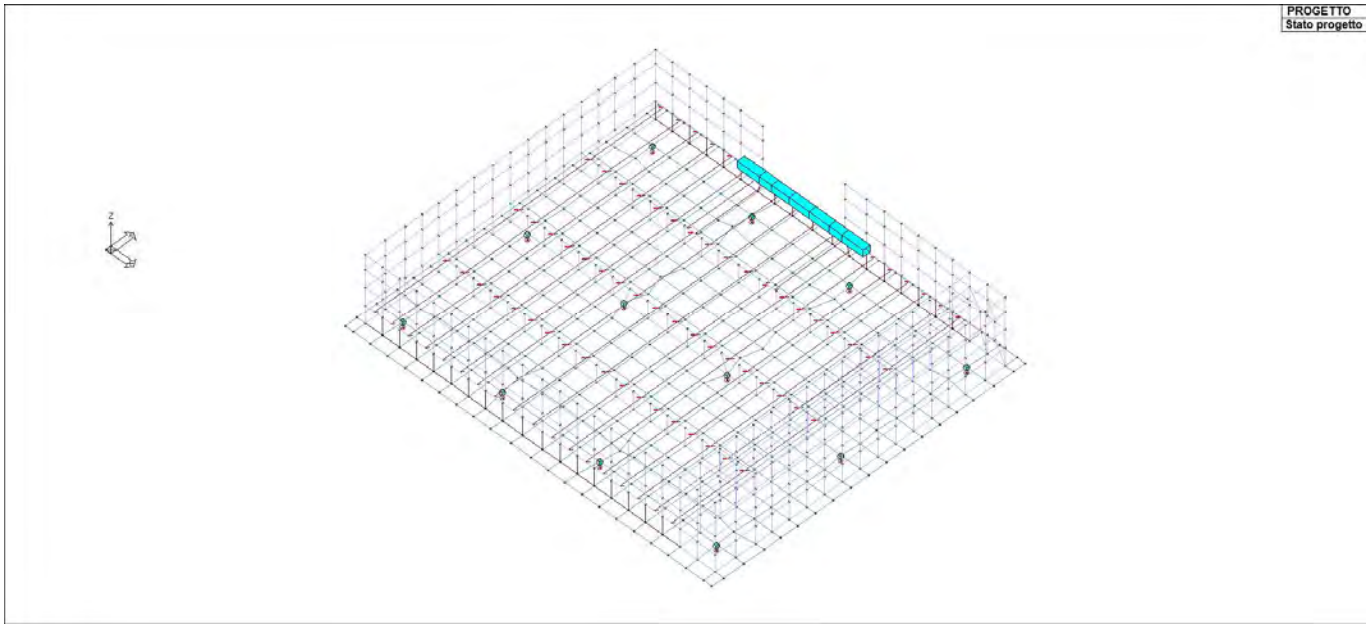


Figura 76 - CA_TRV_01_Stato progetto

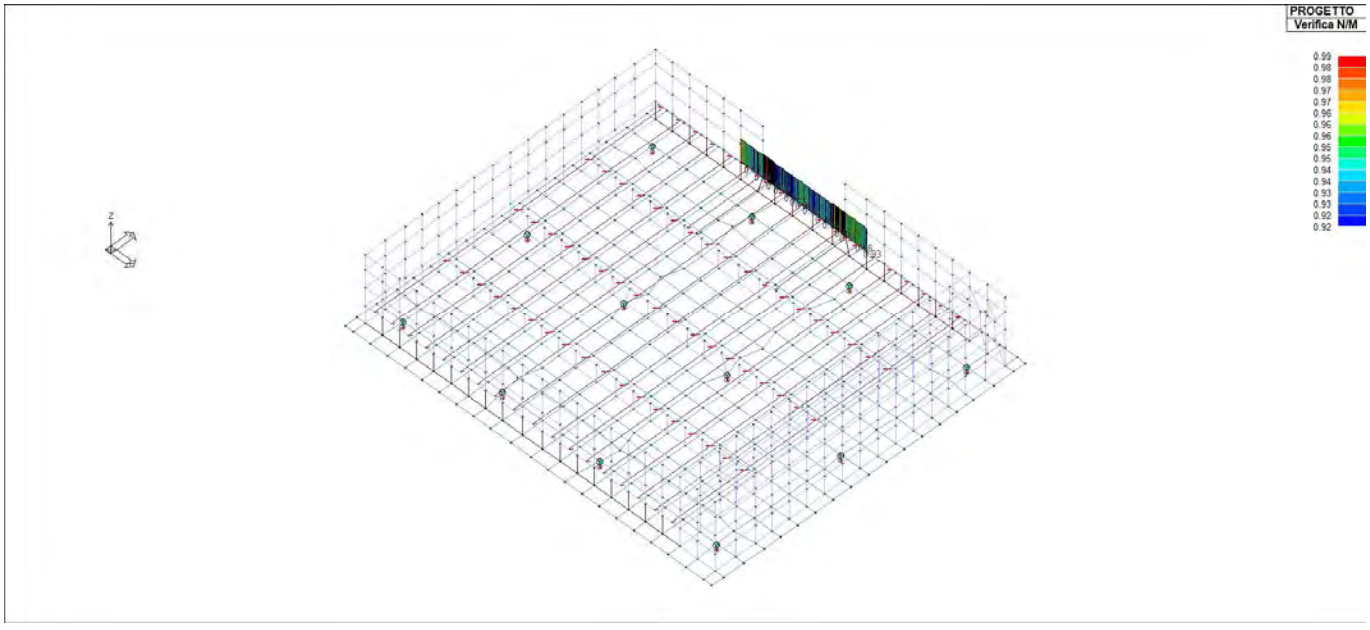


Figura 77 - CA_TRV_09_Verifica NM

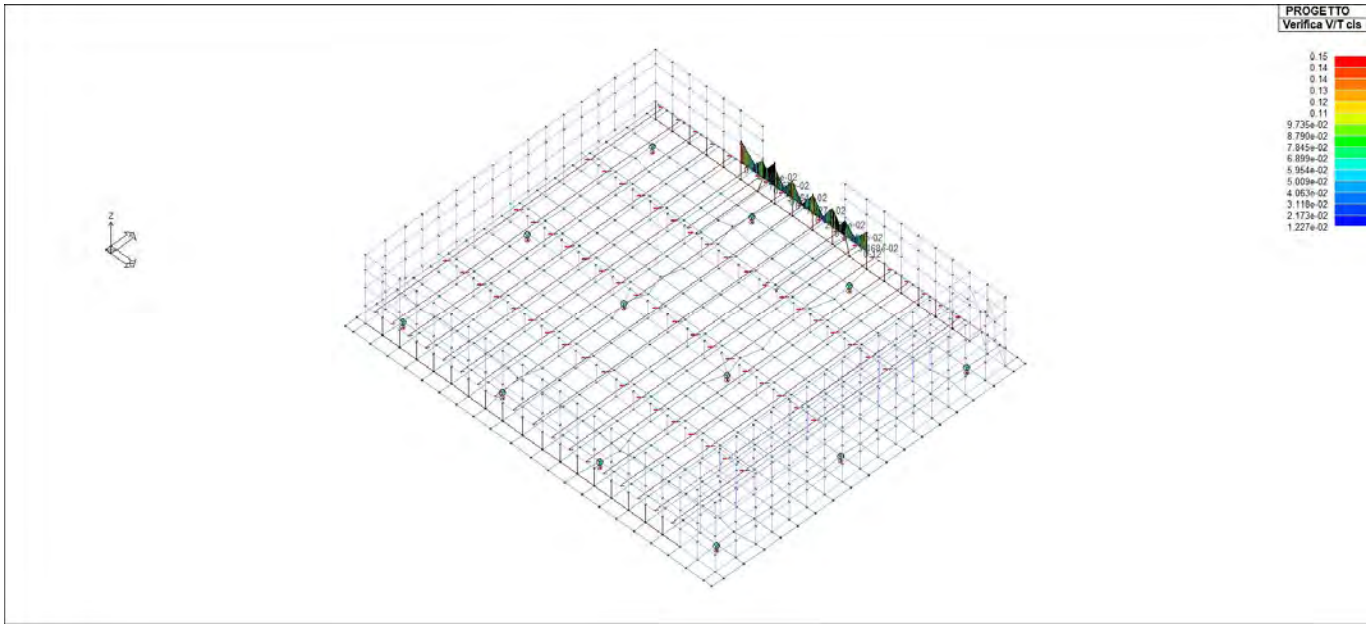


Figura 78 - CA_TRV_11_Verifica VT cls

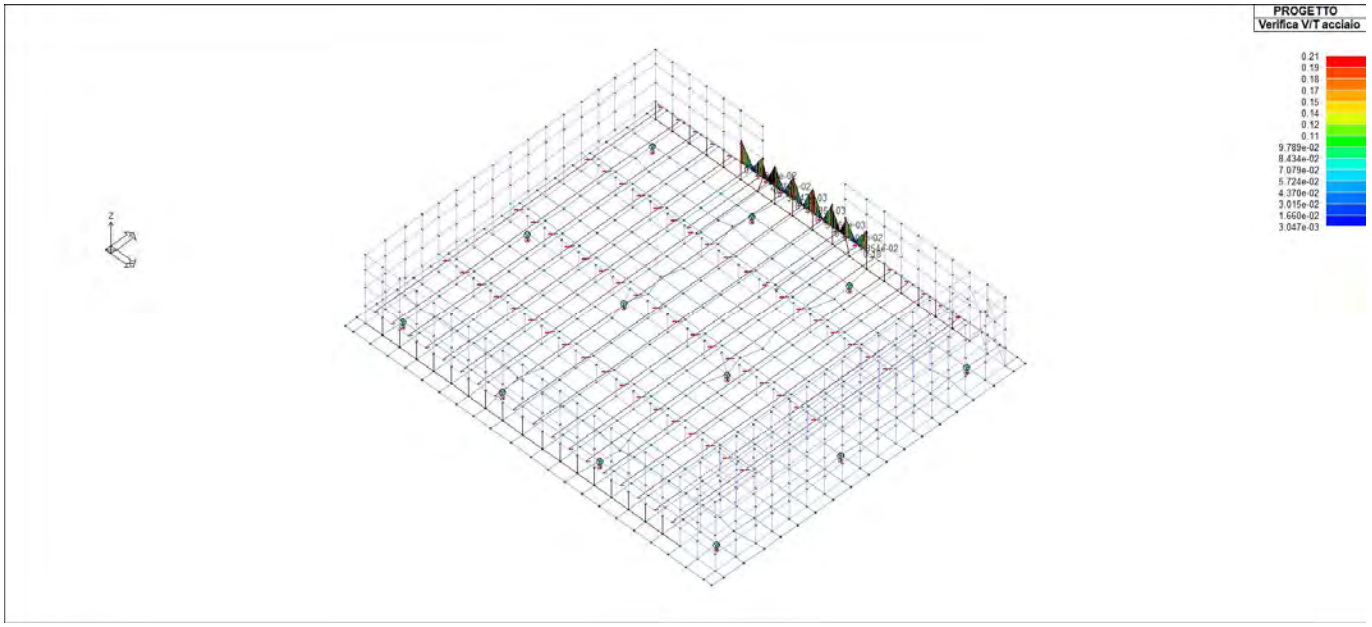


Figura 79 - CA_TRV_12_Verifica VT acciaio

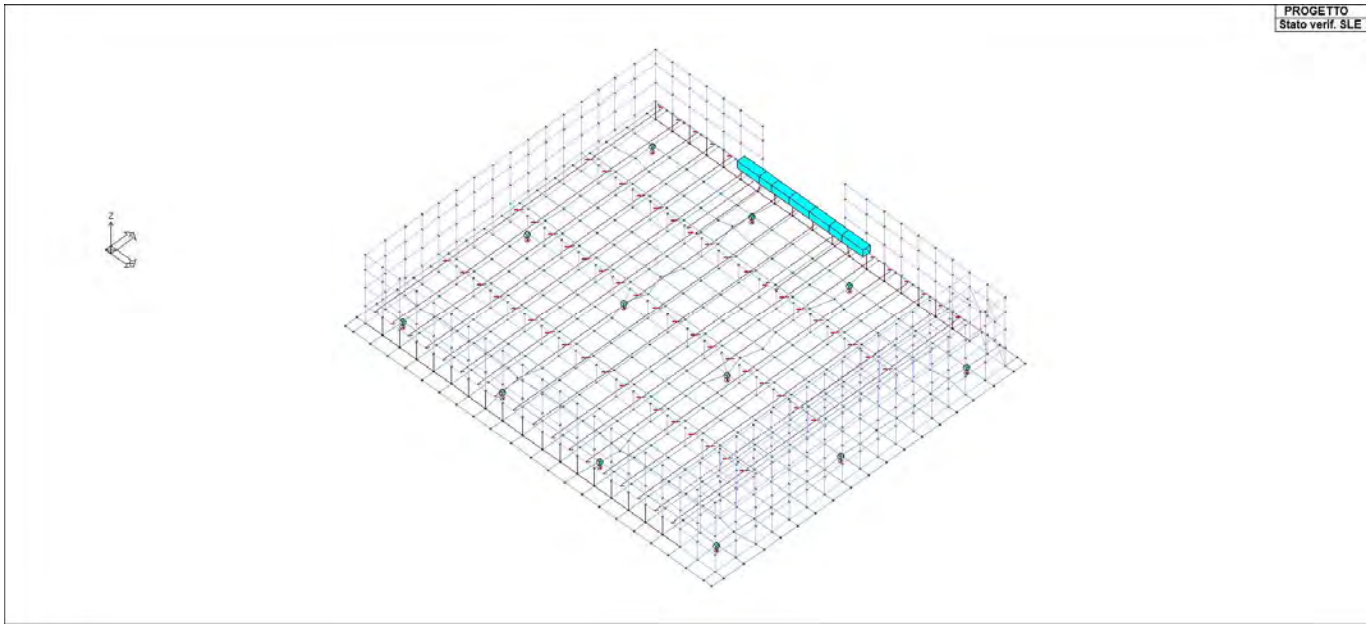


Figura 80 - CA_TRV_19_Stato verif SLE

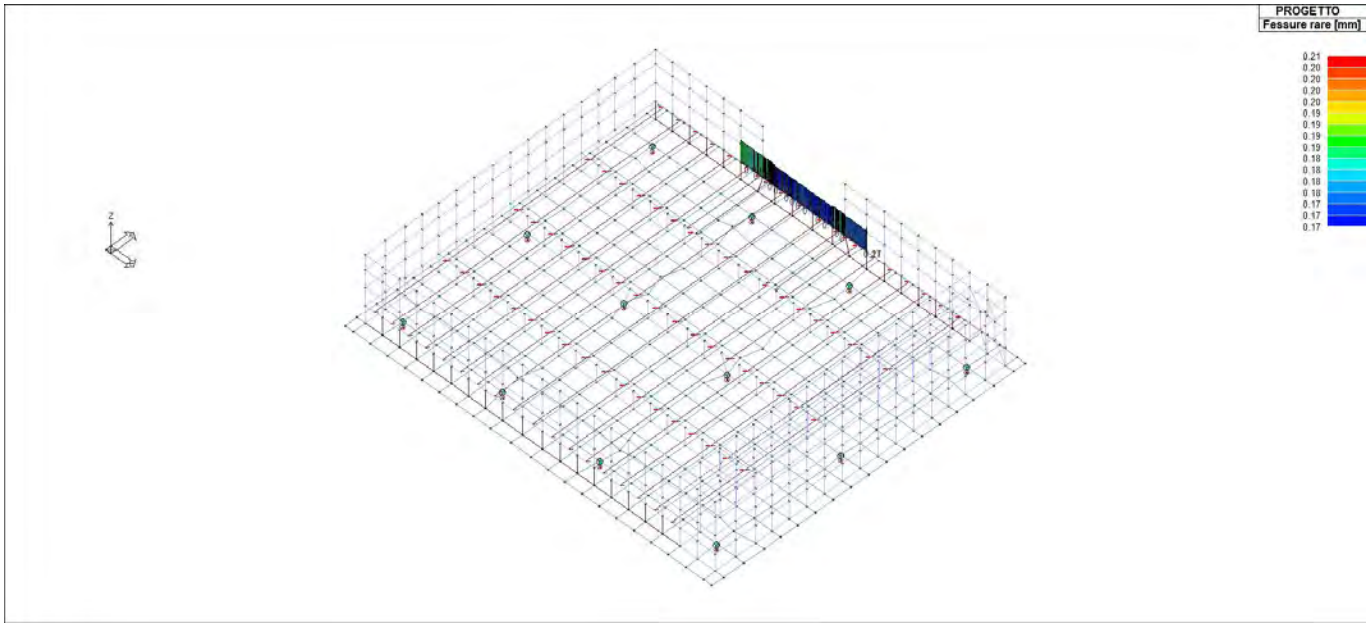


Figura 81 - CA_TRV_20_Fessure rare

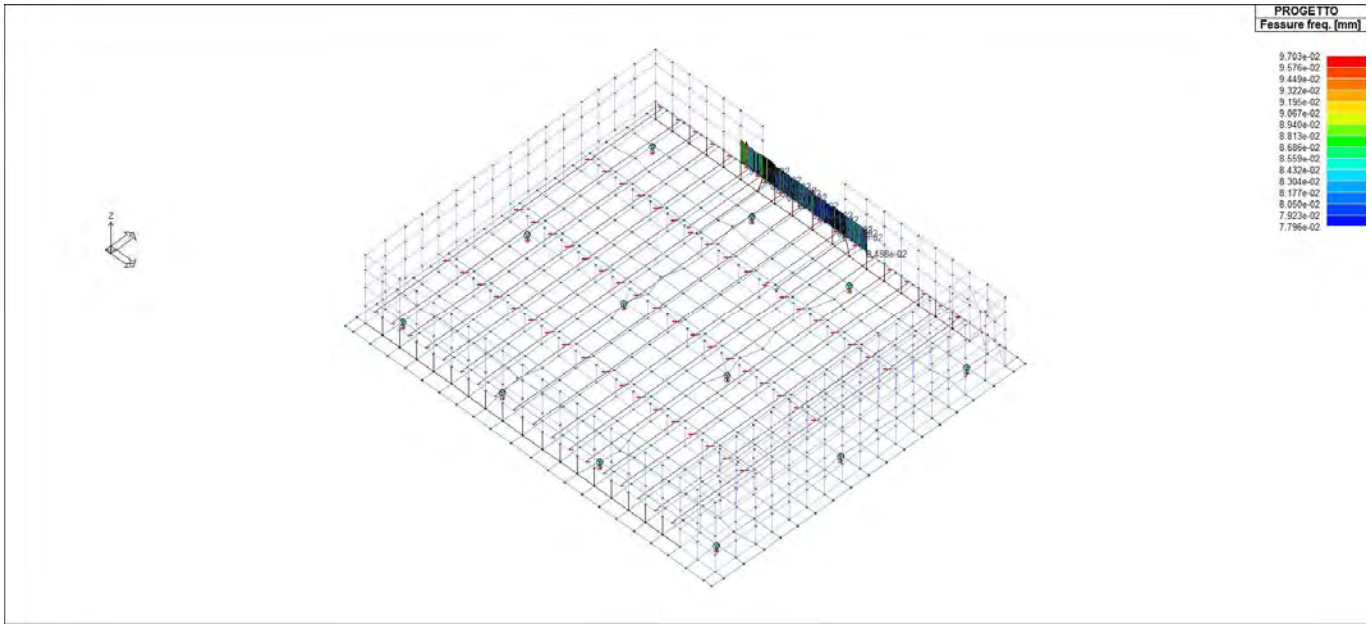


Figura 82 - CA_TRV_21_Fessure freq

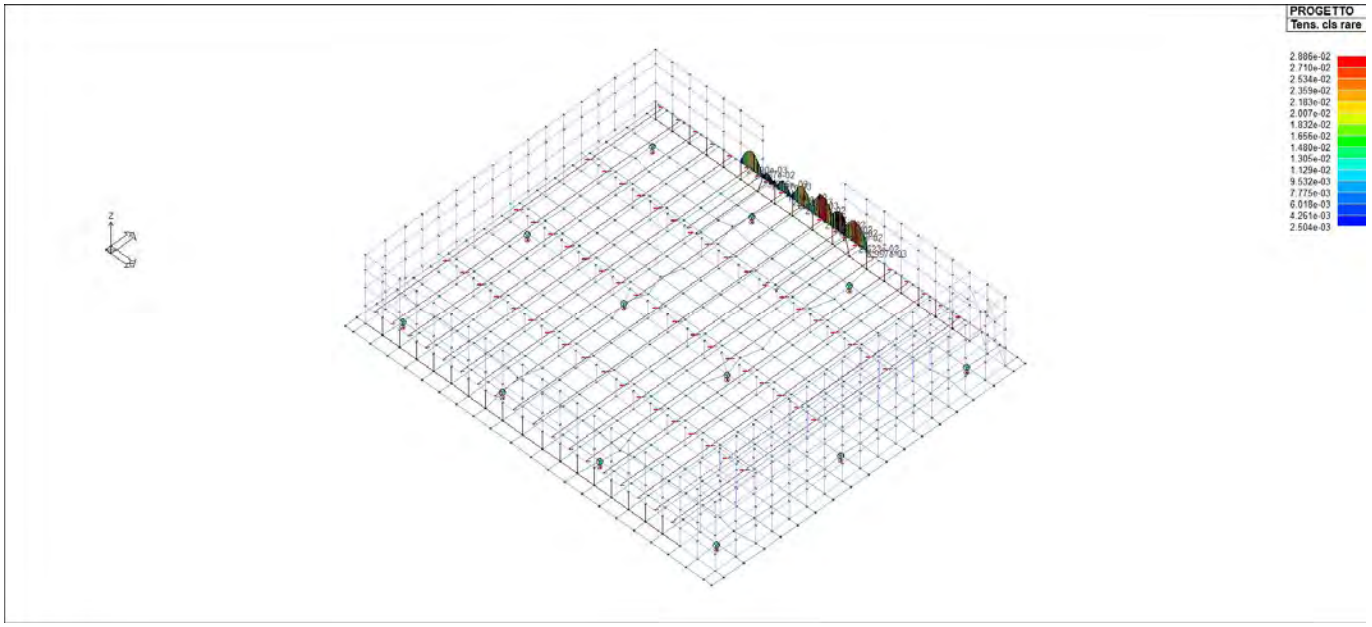


Figura 83 - CA_TRV_23_Tens cls rare

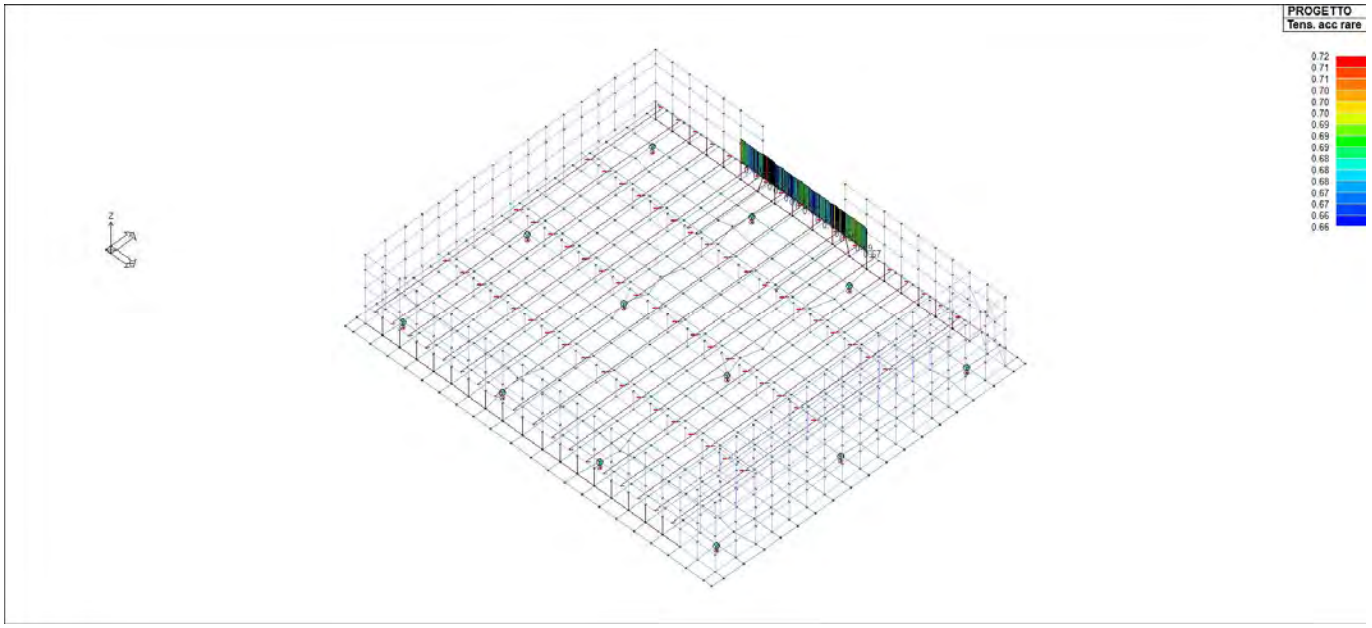


Figura 84 - CA_TRV_24_Tens acc rare

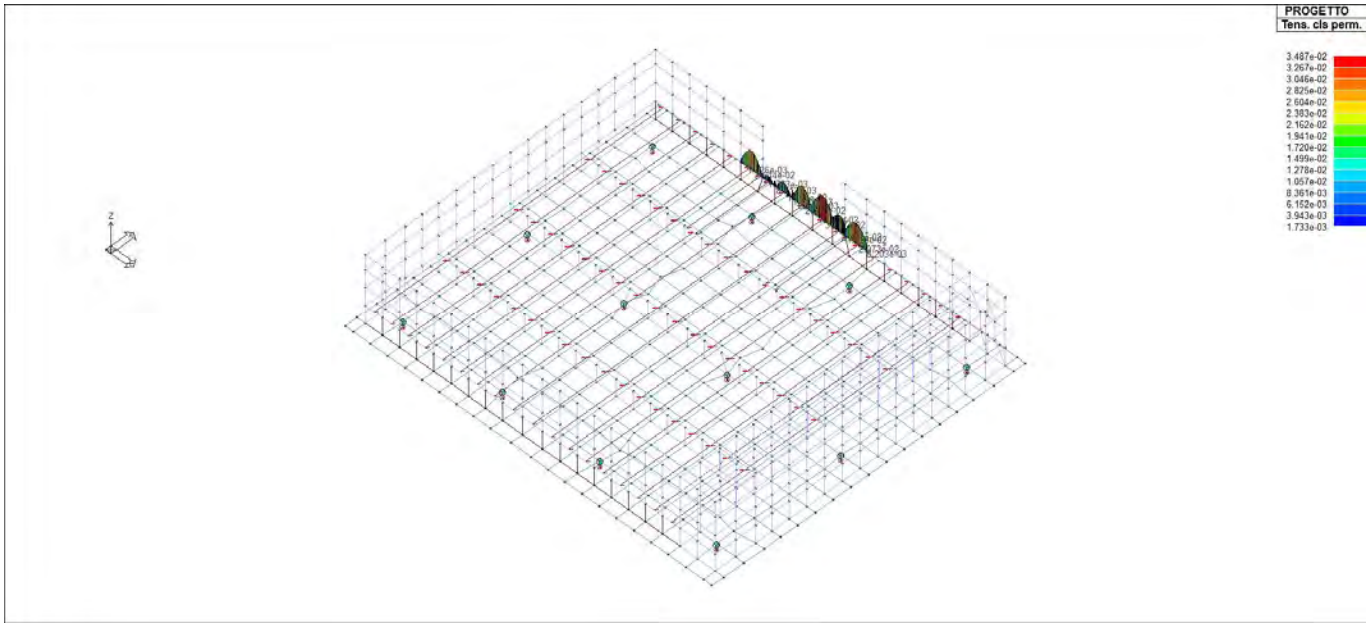


Figura 85 - CA_TRV_25_Tens cls perm

20 VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

20.1 LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata.*

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV,** il rapporto x/d, la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattorei di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione di tipo "*Singolo Elemento …*" è presente una tabella con i simboli di

seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo Elemento NON DISSIPATIVO

Per gli elementi con progettazione di tipo "*Parete Sismica" e "Parete Debolmente Armata*" è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Sia per le verifiche degli elementi con progettazione di tipo "*Singolo Elemento …*" e "*Parete …*" è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)

Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e\o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e\o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx Mx Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione "*Parete Sismica o Parete Debolmente Armata*", oltre alla tabella con le verifiche per gli elementi con progettazione "*Singolo Elemento …*", è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature
Dist.	Distanza alla base tra le armature inclinate

Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato Ned/(bw fyd)

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento **ok** o **NV**
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta

Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armatura in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armatura in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

20.2 PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:
"Sia per CD"A" sia per CD"B" il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- […];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando la componente sismica delle combinazioni di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche di pali, plinti, plinti su pali, travi e platee vengono effettuate dal modulo geotecnico incrementando automaticamente la componente sismica delle azioni di un fattore 1.1 in CDB e 1.3 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	30.00	5	10	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
13	ok	0.07	0.2	1.14e-02	4.5	4.5	4.5	4.5	-14.5	51.4	10.9	155.4	218.1	-8.4
14	ok	0.07	4.68e-02	2.92e-03	4.5	4.5	4.5	4.5	-6.8	2.6	-4.5	69.6	-108.4	-20.5
423	ok	0.07	0.2	1.84e-02	4.5	4.5	4.5	4.5	-52.4	18.3	51.6	185.9	39.6	-63.5
424	ok	0.07	0.1	3.22e-02	4.5	4.5	4.5	4.5	-64.4	-121.4	-4.8	302.3	113.8	0.4
425	ok	0.07	0.2	1.03e-02	4.5	4.5	4.5	4.5	10.9	47.3	-27.6	53.2	-60.8	-4.3
554	ok	0.08	4.10e-02	1.52e-03	6.8	6.8	5.9	5.9	-6.3	-6.9	-2.5	-5.9	-2.8	-1.8
578	ok	0.13	0.5	0.2	16.4	17.1	27.1	27.1	331.6	-637.0	-607.0	965.2	131.8	190.9
579	ok	0.13	1.0	0.3	16.4	17.1	27.1	27.1	30.0	1463.0	819.2	578.1	58.0	177.8
580	ok	0.13	0.2	8.81e-02	16.4	17.1	27.1	27.1	-132.2	347.0	-35.4	207.8	-4.8	206.7
581	ok	0.08	0.4	3.39e-02	6.8	6.8	5.9	5.9	-89.7	100.8	-136.7	108.0	-30.4	206.1
582	ok	0.08	0.3	1.98e-02	6.8	6.8	5.9	5.9	-19.5	29.8	-85.5	72.8	-49.4	56.3
583	ok	0.08	6.40e-02	2.60e-03	6.8	6.8	5.9	5.9	-3.7	-11.8	-7.0	-7.5	83.4	8.8
584	ok	0.08	0.2	1.41e-02	6.8	6.8	5.9	5.9	-1.9	1.9	-63.5	45.3	-81.0	-17.5
585	ok	0.08	0.2	2.27e-02	6.8	6.8	5.9	5.9	-47.7	-31.7	37.0	70.3	159.7	-44.6
586	ok	0.07	0.3	1.78e-02	4.5	4.5	4.5	4.5	64.4	-19.8	-61.5	46.1	39.3	-53.2
587	ok	0.07	0.4	4.75e-02	4.5	4.5	4.5	4.5	76.3	81.9	-29.6	41.7	54.1	10.5
588	ok	0.07	0.3	5.72e-03	4.5	4.5	4.5	4.5	39.0	51.4	-37.1	-72.0	46.9	4.0
589	ok	0.07	0.2	5.75e-02	4.5	4.5	4.5	4.5	-137.4	-25.9	-41.5	138.8	-32.8	-32.7
606	ok	0.08	0.1	8.88e-03	6.8	6.8	5.9	5.9	-2.0	46.1	1.9	-13.3	-108.8	-26.5
663	ok	0.13	0.4	3.32e-02	16.4	17.1	27.1	27.1	223.4	203.9	411.8	542.8	-8.9	-18.0
664	ok	0.13	0.3	0.1	16.4	17.1	27.1	27.1	-294.0	632.8	-292.2	260.1	72.8	127.5
665	ok	0.13	0.3	1.74e-02	16.4	17.1	27.1	27.1	-74.9	155.5	77.6	263.7	-49.3	30.6
666	ok	0.08	0.3	1.42e-02	6.8	6.8	5.9	5.9	-35.9	148.7	24.3	151.6	-104.9	24.0
667	ok	0.08	0.2	1.14e-02	6.8	6.8	5.9	5.9	-26.9	81.0	-7.7	21.6	-157.3	-17.3
668	ok	0.08	0.2	1.64e-02	6.8	6.8	5.9	5.9	-0.5	90.9	3.0	-19.1	-194.9	-49.4
669	ok	0.08	0.1	8.85e-03	6.8	6.8	5.9	5.9	-17.3	-33.3	18.5	47.7	216.3	-102.3
670	ok	0.08	0.2	2.27e-02	6.8	6.8	5.9	5.9	-28.5	2.3	44.5	11.7	201.5	-30.0
671	ok	0.07	0.2	3.57e-02	4.5	4.5	4.5	4.5	-129.4	14.2	-84.2	-105.3	-207.5	-54.4
672	ok	0.07	0.2	4.21e-02	4.5	4.5	4.5	4.5	-184.0	-74.7	-32.3	-77.2	105.2	-62.8
673	ok	0.07	0.2	5.10e-03	4.5	4.5	4.5	4.5	-1.7	44.3	-41.4	-9.9	-61.0	-31.8
674	ok	0.07	0.5	3.44e-02	4.5	4.5	4.5	4.5	67.2	11.9	-38.6	-35.7	-149.3	-14.9
691	ok	0.08	0.3	2.25e-02	6.8	6.8	5.9	5.9	-3.3	-116.8	-11.8	9.1	73.6	51.5
748	ok	0.08	4.59e-02	7.79e-03	6.8	6.8	5.9	5.9	-31.1	-35.7	0.5	100.8	6.1	34.7
749	ok	0.08	0.2	8.90e-03	6.8	6.8	5.9	5.9	19.7	75.8	17.6	110.6	13.2	13.5
750	ok	0.08	0.3	1.22e-02	6.8	6.8	5.9	5.9	0.2	82.9	39.1	35.5	-109.5	6.7
751	ok	0.08	0.3	1.43e-02	6.8	6.8	5.9	5.9	0.8	99.2	39.5	6.4	-167.3	-19.3
752	ok	0.08	0.3	1.60e-02	6.8	6.8	5.9	5.9	-8.5	101.1	17.2	-28.1	-234.5	-51.1
753	ok	0.08	0.6	3.82e-02	6.8	6.8	5.9	5.9	21.7	249.0	40.8	-57.5	-356.2	-117.6
754	ok	0.08	0.3	1.57e-02	6.8	6.8	5.9	5.9	-26.6	-80.3	-15.5	26.2	116.0	73.9
755	ok	0.08	0.2	1.28e-02	6.8	6.8	5.9	5.9	10.2	38.7	5.1	-51.3	-233.2	-101.1
756	ok	0.07	0.2	1.49e-02	4.5	4.5	4.5	4.5	-18.9	46.0	-31.5	-12.3	122.7	-72.2
757	ok	0.07	9.73e-02	1.27e-02	4.5	4.5	4.5	4.5	-52.9	-36.6	-9.9	-52.2	-226.3	4.5
774	ok	0.08	0.4	2.97e-02	6.8	6.8	5.9	5.9	-5.4	-179.4	-10.9	5.2	144.1	65.1
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-293.98	-637.01	-606.99	-105.32	-356.16	-117.58
		0.13	0.96	0.27	16.43	17.09	27.14	27.14	331.57	1463.03	819.15	965.20	218.11	206.66

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
13	ok	0.35						
14	ok	0.16						
423	ok	0.52						
424	ok	0.56						
425	ok	0.43						
554	ok	0.08						
578	ok	0.40						
579	ok	0.40						
580	ok	0.21						
581	ok	0.17						
582	ok	0.13						
583	ok	0.22						
584	ok	0.32						
585	ok	0.32						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
586	ok	0.20						
587	ok	0.38						
588	ok	0.21						
589	ok	0.33						
606	ok	0.36						
663	ok	0.39						
664	ok	0.39						
665	ok	0.24						
666	ok	0.19						
667	ok	0.11						
668	ok	0.50						
669	ok	0.27						
670	ok	0.27						
671	ok	0.21						
672	ok	0.23						
673	ok	0.34						
674	ok	0.35						
691	ok	0.63						
748	ok	0.21						
749	ok	0.21						
750	ok	0.14						
751	ok	0.14						
752	ok	0.09						
753	ok	0.76						
754	ok	0.28						
755	ok	0.28						
756	ok	0.35						
757	ok	0.17						
774	ok	0.76						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		0.76						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	40.00	5	12	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
37	ok	0.05	0.1	1.07e-02	4.7	4.7	4.7	4.7	-16.4	-3.9	-11.2	-604.2	-39.4	162.4
38	ok	0.05	8.29e-02	3.90e-02	4.7	4.7	4.7	4.7	-187.7	-128.0	-98.6	-758.5	-205.9	-46.1
39	ok	0.05	0.2	2.91e-02	4.7	4.7	4.7	4.7	-83.6	-36.2	-53.2	-419.9	9.3	-233.7
40	ok	0.05	0.4	1.39e-02	4.7	4.7	4.7	4.7	-17.3	-29.9	-53.9	-143.8	-48.8	-174.3
41	ok	0.05	0.3	7.92e-03	4.7	4.7	4.7	4.7	3.1	-7.5	-59.8	27.4	12.7	-64.0
42	ok	0.05	0.3	6.93e-03	4.7	4.7	4.7	4.7	-20.2	-13.9	8.9	1414.6	265.3	151.9
43	ok	0.05	0.2	2.16e-02	4.7	4.7	4.7	4.7	-118.2	-40.1	53.2	1085.7	233.9	194.0
44	ok	0.05	0.1	3.63e-02	4.7	4.7	4.7	4.7	-184.3	-40.5	-32.6	-637.7	-147.8	-161.6
45	ok	0.05	0.3	2.21e-02	4.7	4.7	4.7	4.7	-66.1	-34.7	-70.9	-145.1	-17.4	-230.0
46	ok	0.05	0.4	9.66e-03	4.7	4.7	4.7	4.7	4.0	3.8	-79.7	401.7	111.1	-113.8
47	ok	0.05	0.4	6.34e-03	4.7	4.7	4.7	4.7	-0.7	-19.3	-8.5	1336.6	211.3	34.1
48	ok	0.05	0.2	1.79e-02	4.7	4.7	4.7	4.7	-78.3	-54.8	52.3	970.0	247.3	129.5
49	ok	0.05	0.1	3.18e-02	4.7	4.7	4.7	4.7	-192.0	-49.2	-47.8	742.7	134.9	-18.0
50	ok	0.05	0.2	2.52e-02	4.7	4.7	4.7	4.7	-115.3	-45.4	-75.1	554.1	159.3	-178.0
51	ok	0.05	0.3	9.77e-03	4.7	4.7	4.7	4.7	-7.3	13.6	-55.6	546.3	91.4	-61.3
52	ok	0.05	0.3	2.14e-03	4.7	4.7	4.7	4.7	17.9	43.0	-25.7	674.6	105.2	25.6
54	ok	0.05	0.3	5.44e-03	4.7	4.7	4.7	4.7	41.4	40.0	22.0	726.6	87.2	45.2
55	ok	0.05	0.2	2.13e-02	4.7	4.7	4.7	4.7	-51.9	-22.8	89.6	142.8	-65.8	108.3
450	ok	0.05	0.2	1.14e-02	4.7	4.7	4.7	4.7	-41.4	21.6	36.8	-73.1	38.0	410.8
451	ok	0.05	0.2	2.23e-02	4.7	4.7	4.7	4.7	-107.1	47.6	35.7	298.0	-240.0	376.0
452	ok	0.05	0.3	2.91e-02	4.7	4.7	4.7	4.7	-90.4	-6.2	-40.5	-525.4	-125.4	-131.0
453	ok	0.05	0.2	2.37e-02	4.7	4.7	4.7	4.7	-43.3	-47.6	-36.2	-391.7	-19.3	-160.1

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
454	ok	0.05	0.3	1.70e-02	4.7	4.7	4.7	4.7	-15.6	-61.1	30.8	1057.0	201.1	-86.9
455	ok	0.05	0.3	1.78e-02	4.7	4.7	4.7	4.7	-51.9	-45.7	71.2	1721.1	334.5	39.4
456	ok	0.05	0.2	2.21e-02	4.7	4.7	4.7	4.7	-105.2	-17.4	73.9	1698.3	264.0	8.8
457	ok	0.05	0.2	2.37e-02	4.7	4.7	4.7	4.7	-116.9	14.9	-100.4	-272.5	-148.2	-98.2
458	ok	0.05	0.3	2.87e-02	4.7	4.7	4.7	4.7	-68.1	-44.4	-49.9	-137.0	-13.5	-188.3
459	ok	0.05	0.3	2.27e-02	4.7	4.7	4.7	4.7	-32.2	-73.5	-115.6	59.7	99.0	-128.5
460	ok	0.05	0.2	1.89e-02	4.7	4.7	4.7	4.7	-40.4	-81.0	58.0	1031.8	259.9	-18.0
461	ok	0.05	0.2	2.33e-02	4.7	4.7	4.7	4.7	-89.2	-65.6	74.1	859.5	168.6	-7.5
462	ok	0.05	0.1	2.17e-02	4.7	4.7	4.7	4.7	-115.6	-15.9	-41.6	707.8	70.3	-10.1
463	ok	0.05	0.2	2.69e-02	4.7	4.7	4.7	4.7	-91.1	-37.8	-128.7	238.3	1.5	16.1
464	ok	0.05	0.3	2.40e-02	4.7	4.7	4.7	4.7	-41.7	-65.2	-121.1	301.4	78.9	10.3
465	ok	0.05	0.2	1.71e-02	4.7	4.7	4.7	4.7	-14.7	-65.8	-85.8	327.0	79.9	55.7
467	ok	0.05	0.1	2.12e-02	4.7	4.7	4.7	4.7	-42.9	-68.0	74.1	300.3	157.1	-35.2
468	ok	0.05	0.1	1.07e-02	4.7	4.7	4.7	4.7	-32.7	-16.2	42.3	-229.1	-429.7	-187.2
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-191.97	-128.03	-128.69	-758.49	-429.70	-233.66
		0.05	0.39	0.04	4.71	4.71	4.71	4.71	41.40	47.64	89.60	1721.11	334.50	410.77

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
37	ok	0.43						
38	ok	0.69						
39	ok	0.81						
40	ok	0.82						
41	ok	0.82						
42	ok	0.78						
43	ok	0.69						
44	ok	0.54						
45	ok	0.65						
46	ok	0.66						
47	ok	0.66						
48	ok	0.63						
49	ok	0.55						
50	ok	0.64						
51	ok	0.69						
52	ok	0.69						
54	ok	0.67						
55	ok	0.59						
450	ok	0.41						
451	ok	0.46						
452	ok	0.69						
453	ok	0.77						
454	ok	0.77						
455	ok	0.77						
456	ok	0.71						
457	ok	0.56						
458	ok	0.66						
459	ok	0.66						
460	ok	0.65						
461	ok	0.65						
462	ok	0.54						
463	ok	0.64						
464	ok	0.65						
465	ok	0.65						
467	ok	0.56						
468	ok	0.36						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		0.82						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	30.00	5	10	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
55	ok	0.07	0.3	1.50e-02	4.5	4.5	4.5	4.5	-22.4	21.5	71.2	-8.3	-18.2	57.6
56	ok	0.07	0.2	4.29e-02	4.5	4.5	4.5	4.5	-110.4	21.6	65.3	-399.2	-114.1	14.7
57	ok	0.07	0.2	1.48e-02	4.5	4.5	4.5	4.5	-28.4	-31.6	41.9	-431.4	-54.5	-78.9
450	ok	0.08	7.41e-02	9.81e-03	5.9	5.9	5.9	5.9	-35.6	8.5	19.1	-146.3	-63.5	155.1
451	ok	0.08	0.1	1.51e-02	5.9	5.9	5.9	5.9	-48.1	12.5	-41.1	-98.6	-62.5	115.8
452	ok	0.08	0.2	2.05e-02	5.9	5.9	5.9	5.9	-43.0	-3.2	-74.7	-66.7	-40.4	-62.2
453	ok	0.08	0.2	1.72e-02	5.9	5.9	5.9	5.9	4.1	-33.1	-23.0	28.6	22.3	-89.5
454	ok	0.08	0.2	1.23e-02	5.9	5.9	5.9	5.9	26.0	-36.9	14.9	369.1	77.2	-16.0
455	ok	0.08	0.2	1.20e-02	5.9	5.9	5.9	5.9	2.7	-33.9	-24.7	39.7	30.6	-42.9
456	ok	0.08	0.1	1.53e-02	5.9	5.9	5.9	5.9	-47.7	-20.5	26.5	-37.0	-24.8	-28.9
457	ok	0.08	8.64e-02	1.97e-02	5.9	5.9	5.9	5.9	-67.6	-14.9	-56.9	-46.3	-39.3	-80.4
458	ok	0.08	0.2	2.17e-02	5.9	5.9	5.9	5.9	-27.7	-37.0	-33.7	38.6	18.1	-76.0
459	ok	0.08	0.2	1.76e-02	5.9	5.9	5.9	5.9	17.9	-50.1	-72.7	126.9	58.8	-56.3
460	ok	0.08	0.2	1.30e-02	5.9	5.9	5.9	5.9	14.0	-43.4	-44.9	163.5	73.6	-26.6
461	ok	0.08	0.1	1.57e-02	5.9	5.9	5.9	5.9	-25.2	-33.7	-29.6	88.0	30.9	-9.1
462	ok	0.08	5.71e-02	1.80e-02	5.9	5.9	5.9	5.9	-66.0	-26.5	2.7	28.3	-20.0	20.4
463	ok	0.08	0.1	2.27e-02	5.9	5.9	5.9	5.9	-46.3	-32.7	-80.0	52.4	-3.1	20.1
464	ok	0.08	0.2	1.94e-02	5.9	5.9	5.9	5.9	0.7	-36.9	-29.0	124.6	52.2	41.7
465	ok	0.08	0.2	1.32e-02	5.9	5.9	5.9	5.9	24.9	-44.2	4.0	163.9	61.1	35.0
467	ok	0.08	0.2	1.40e-02	5.9	5.9	5.9	5.9	13.0	-37.5	-9.4	86.7	4.8	16.6
468	ok	0.08	0.2	3.36e-02	5.9	5.9	5.9	5.9	-43.1	-10.2	28.8	-113.4	-258.4	-69.8
469	ok	0.08	0.2	2.44e-02	5.9	5.9	4.5	4.5	-64.3	-9.0	76.6	-109.2	-82.9	-39.9
470	ok	0.07	0.2	1.16e-02	4.5	4.5	4.5	4.5	-9.6	0.2	52.7	-81.9	-43.2	-39.8
590	ok	0.08	5.65e-02	6.67e-03	5.9	5.9	5.9	5.9	-25.7	8.2	-7.0	46.9	139.2	-137.0
591	ok	0.08	0.1	8.84e-03	5.9	5.9	5.9	5.9	-19.6	6.9	-20.0	21.6	113.7	-113.8
592	ok	0.08	0.1	1.10e-02	5.9	5.9	5.9	5.9	-31.4	-2.4	-41.8	-107.8	-116.0	26.9
593	ok	0.08	0.1	1.14e-02	5.9	5.9	5.9	5.9	-17.6	-19.5	-29.2	-101.3	-40.6	5.5
594	ok	0.08	7.61e-02	1.00e-02	5.9	5.9	5.9	5.9	7.4	-37.7	-18.2	37.1	43.2	-71.1
595	ok	0.08	8.60e-02	9.02e-03	5.9	5.9	5.9	5.9	-11.4	-37.0	5.30e-02	-31.0	19.5	-49.6
596	ok	0.08	6.48e-02	8.27e-03	5.9	5.9	5.9	5.9	-28.2	-32.1	11.9	350.5	22.0	-11.8
597	ok	0.08	4.66e-02	1.20e-02	5.9	5.9	5.9	5.9	-37.2	-28.4	-39.7	-44.4	-25.7	-78.5
598	ok	0.08	0.1	1.44e-02	5.9	5.9	5.9	5.9	-14.0	-46.4	-30.7	23.7	22.0	55.6
599	ok	0.08	0.1	1.52e-02	5.9	5.9	5.9	5.9	4.9	-63.8	-22.8	35.4	59.8	63.2
600	ok	0.08	8.59e-02	1.43e-02	5.9	5.9	5.9	5.9	-4.2	-71.3	-28.1	70.4	77.2	-56.5
601	ok	0.08	4.71e-02	1.28e-02	5.9	5.9	5.9	5.9	-21.4	-67.2	-22.3	70.2	43.4	-44.4
602	ok	0.08	4.11e-02	1.44e-02	5.9	5.9	5.9	5.9	-32.4	-60.7	-22.7	74.3	9.5	-18.4
603	ok	0.08	6.07e-02	1.79e-02	5.9	5.9	5.9	5.9	-21.4	-72.9	-33.2	37.5	35.9	57.0
604	ok	0.08	7.84e-02	1.96e-02	5.9	5.9	5.9	5.9	-13.0	-87.3	-51.8	52.6	59.9	56.8
605	ok	0.08	6.14e-02	1.82e-02	5.9	5.9	5.9	5.9	-4.3	-92.8	-24.8	34.5	52.8	43.2
607	ok	0.08	4.76e-02	1.50e-02	5.9	5.9	5.9	5.9	-15.1	-71.7	1.1	-39.2	-146.1	-71.1
608	ok	0.08	9.67e-02	2.32e-02	5.9	5.9	5.9	5.9	-33.7	-51.3	19.6	-84.1	-312.5	-81.9
609	ok	0.08	0.2	1.90e-02	5.9	5.9	4.5	4.5	-16.4	-15.8	73.9	-40.2	-74.8	-34.9
610	ok	0.07	0.2	9.57e-03	4.5	4.5	4.5	4.5	17.5	-1.9	49.1	-63.6	-111.9	-31.2
675	ok	0.08	6.90e-02	2.62e-03	5.9	5.9	5.9	5.9	-10.4	10.0	0.8	41.2	196.3	-139.8
676	ok	0.08	8.01e-02	5.19e-03	5.9	5.9	5.9	5.9	-14.4	7.0	-9.2	27.7	86.1	-93.0
677	ok	0.08	8.43e-02	6.98e-03	5.9	5.9	5.9	5.9	-3.9	-18.9	-19.6	-6.3	-59.0	-7.8
678	ok	0.08	7.57e-02	8.41e-03	5.9	5.9	5.9	5.9	-8.6	-32.0	-15.1	-6.2	-9.4	-51.5
679	ok	0.08	4.50e-02	9.26e-03	5.9	5.9	5.9	5.9	-6.6	-41.7	-8.2	2.2	28.9	-61.2
680	ok	0.08	2.54e-02	9.58e-03	5.9	5.9	5.9	5.9	-9.3	-41.7	5.8	65.1	-60.4	25.0
681	ok	0.08	1.88e-02	9.61e-03	5.9	5.9	5.9	5.9	-13.1	-42.5	4.2	96.8	-40.1	-5.2
682	ok	0.08	1.46e-02	1.08e-02	5.9	5.9	5.9	5.9	-6.7	-47.9	-11.7	19.9	29.7	-44.6
683	ok	0.08	2.15e-02	1.35e-02	5.9	5.9	5.9	5.9	-3.8	-65.2	-11.9	13.3	26.6	45.7
684	ok	0.08	2.59e-02	1.61e-02	5.9	5.9	5.9	5.9	8.16e-02	-83.3	-8.1	9.9	50.0	56.3
685	ok	0.08	2.20e-02	1.72e-02	5.9	5.9	5.9	5.9	-7.0	-94.3	-13.5	27.9	83.6	-56.1
686	ok	0.08	2.22e-02	1.73e-02	5.9	5.9	5.9	5.9	-4.3	-101.2	2.6	21.8	78.2	53.4
687	ok	0.08	2.32e-02	1.85e-02	5.9	5.9	5.9	5.9	-12.8	-108.9	-17.2	34.7	66.3	51.5
688	ok	0.08	2.60e-02	2.13e-02	5.9	5.9	5.9	5.9	-12.6	-123.8	-25.4	31.3	72.9	46.5
689	ok	0.08	2.93e-02	2.45e-02	5.9	5.9	5.9	5.9	-10.5	-143.1	-28.0	20.5	-78.3	48.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
690	ok	0.08	3.34e-02	2.69e-02	5.9	5.9	5.9	5.9	-13.1	-159.2	-24.4	-34.5	-102.9	-21.7
692	ok	0.08	4.21e-02	3.14e-02	5.9	5.9	5.9	5.9	-27.1	-170.4	-36.3	-56.6	-235.3	-48.9
693	ok	0.08	5.09e-02	2.51e-02	5.9	5.9	5.9	5.9	-41.0	-75.2	-23.7	-67.2	-347.9	-87.3
694	ok	0.08	5.63e-02	1.35e-02	5.9	5.9	4.5	4.5	-4.7	-50.1	26.3	-29.4	-49.3	-61.5
695	ok	0.07	0.2	4.85e-03	4.5	4.5	4.5	4.5	32.2	-11.2	20.7	-76.9	-172.2	-32.8
758	ok	0.08	0.1	2.51e-03	5.9	5.9	5.9	5.9	-2.3	24.5	1.5	52.5	265.6	-130.0
759	ok	0.08	0.1	3.43e-03	5.9	5.9	5.9	5.9	-0.9	16.9	-5.4	62.1	346.9	-100.6
760	ok	0.08	7.01e-02	6.25e-03	5.9	5.9	5.9	5.9	-2.0	-29.1	2.4	-4.1	-89.7	-48.4
761	ok	0.08	5.16e-02	1.04e-02	5.9	5.9	5.9	5.9	-3.4	-47.9	-3.9	-0.4	-9.9	-11.3
762	ok	0.08	3.40e-02	1.29e-02	5.9	5.9	5.9	5.9	-3.7	-60.4	-3.2	-0.7	23.6	-14.5
763	ok	0.08	2.69e-02	1.28e-02	5.9	5.9	5.9	5.9	-3.4	-59.8	-2.7	-0.6	31.3	-15.6
764	ok	0.08	2.11e-02	1.13e-02	5.9	5.9	5.9	5.9	-2.8	-53.1	-2.8	-0.4	24.8	-12.6
765	ok	0.08	1.65e-02	1.15e-02	5.9	5.9	5.9	5.9	-2.5	-53.4	-3.5	-0.4	24.7	-6.3
766	ok	0.08	1.88e-02	1.44e-02	5.9	5.9	5.9	5.9	-3.1	-78.4	-1.2	-3.9	27.5	50.1
767	ok	0.08	2.40e-02	1.90e-02	5.9	5.9	5.9	5.9	-3.7	-108.3	-0.9	-6.2	46.2	57.1
768	ok	0.08	2.59e-02	2.08e-02	5.9	5.9	5.9	5.9	-3.4	-124.2	-0.4	6.7	97.4	56.3
769	ok	0.08	2.56e-02	2.11e-02	5.9	5.9	5.9	5.9	-2.6	-128.0	-0.2	10.1	97.8	50.9
770	ok	0.08	2.62e-02	2.25e-02	5.9	5.9	5.9	5.9	-2.2	-136.2	-0.5	13.2	96.8	42.8
771	ok	0.08	2.97e-02	2.60e-02	5.9	5.9	5.9	5.9	-2.8	-157.3	-2.3	13.2	92.8	32.1
772	ok	0.08	3.49e-02	3.12e-02	5.9	5.9	5.9	5.9	-3.7	-189.3	-3.1	-12.4	-99.9	34.9
773	ok	0.08	4.08e-02	3.68e-02	5.9	5.9	5.9	5.9	-4.1	-208.6	-9.4	-13.9	-139.3	-13.5
775	ok	0.08	5.44e-02	4.45e-02	5.9	5.9	5.9	5.9	-1.2	-269.7	-6.9	29.8	-260.1	-39.2
776	ok	0.08	8.09e-02	6.57e-02	5.9	5.9	5.9	5.9	-40.9	-369.3	-74.7	-147.4	-494.5	-121.2
777	ok	0.08	3.33e-02	1.66e-02	5.9	5.9	4.5	4.5	-4.7	-77.4	-37.5	-48.4	30.4	-15.1
778	ok	0.07	4.77e-02	3.06e-03	4.5	4.5	4.5	4.5	7.0	-8.3	-10.1	71.3	-113.9	-1.1
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-110.39	-369.34	-80.04	-431.39	-494.53	-139.82
		0.08	0.25	0.07	5.94	5.94	5.94	5.94	32.20	24.47	76.63	369.09	346.89	155.15

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
55	ok	0.30						
56	ok	0.30						
57	ok	0.24						
450	ok	0.49						
451	ok	0.49						
452	ok	0.17						
453	ok	0.28						
454	ok	0.31						
455	ok	0.31						
456	ok	0.29						
457	ok	0.26						
458	ok	0.30						
459	ok	0.30						
460	ok	0.30						
461	ok	0.27						
462	ok	0.22						
463	ok	0.20						
464	ok	0.20						
465	ok	0.16						
467	ok	0.24						
468	ok	0.30						
469	ok	0.30						
470	ok	0.24						
590	ok	0.39						
591	ok	0.39						
592	ok	0.19						
593	ok	0.29						
594	ok	0.31						
595	ok	0.31						
596	ok	0.28						
597	ok	0.26						
598	ok	0.29						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
599	ok	0.30						
600	ok	0.30						
601	ok	0.26						
602	ok	0.22						
603	ok	0.19						
604	ok	0.18						
605	ok	0.15						
607	ok	0.22						
608	ok	0.25						
609	ok	0.25						
610	ok	0.10						
675	ok	0.25						
676	ok	0.25						
677	ok	0.12						
678	ok	0.17						
679	ok	0.17						
680	ok	0.17						
681	ok	0.16						
682	ok	0.16						
683	ok	0.16						
684	ok	0.16						
685	ok	0.16						
686	ok	0.16						
687	ok	0.14						
688	ok	0.12						
689	ok	0.11						
690	ok	0.10						
692	ok	0.24						
693	ok	0.33						
694	ok	0.33						
695	ok	0.20						
758	ok	0.87						
759	ok	0.87						
760	ok	0.75						
761	ok	0.61						
762	ok	0.45						
763	ok	0.33						
764	ok	0.28						
765	ok	0.23						
766	ok	0.19						
767	ok	0.22						
768	ok	0.26						
769	ok	0.32						
770	ok	0.39						
771	ok	0.47						
772	ok	0.55						
773	ok	0.65						
775	ok	0.77						
776	ok	0.77						
777	ok	0.51						
778	ok	0.13						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		0.87						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	30.00	5	13	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
37	ok	0.08	3.41e-02	9.71e-03	5.7	5.7	5.7	5.7	-43.7	-21.9	-16.7	-73.6	-54.1	-76.2
60	ok	0.08	5.78e-02	4.59e-02	5.7	5.7	5.7	5.7	-190.9	-43.4	10.9	-685.6	-142.4	9.7
76	ok	0.08	3.13e-02	2.52e-02	5.7	5.7	5.7	5.7	-3.0	-135.9	-3.4	-15.0	-84.2	79.9
87	ok	0.08	0.1	2.89e-02	5.7	5.7	5.7	5.7	-76.4	-56.4	97.1	-325.9	21.4	159.8
106	ok	0.08	0.3	1.36e-02	5.7	5.7	5.7	5.7	11.3	24.1	68.5	221.1	78.4	178.8
129	ok	0.08	0.2	2.74e-03	5.7	5.7	5.7	5.7	56.1	68.5	-6.6	-142.1	-112.6	103.0
152	ok	0.08	0.4	2.06e-02	5.7	5.7	5.7	5.7	-16.7	81.4	-126.3	147.4	-75.9	86.3
168	ok	0.08	4.44e-02	1.53e-02	5.7	5.7	5.7	5.7	-2.2	-86.7	-5.5	-22.2	-86.5	111.8
175	ok	0.18	5.80e-02	5.45e-02	96.1	96.1	106.2	106.2	-47.0	-199.6	-22.7	202.8	-379.3	258.9
198	ok	0.18	0.9	0.3	96.1	96.1	106.2	106.2	-2485.9	1244.5	-2648.9	1678.6	1040.8	179.3
221	ok	0.18	0.9	0.3	96.1	96.1	106.2	106.2	3839.1	4742.2	2962.5	2042.8	2212.5	-586.9
244	ok	0.18	5.46e-02	4.97e-02	96.1	96.1	106.2	106.2	-128.4	-62.0	103.9	766.3	475.4	233.3
260	ok	0.08	7.13e-02	7.27e-03	5.7	5.7	5.7	5.7	-2.0	-39.6	2.8	7.4	114.1	91.8
267	ok	0.08	0.4	1.73e-02	5.7	5.7	5.7	5.7	13.6	74.4	77.9	-68.8	-182.0	90.2
290	ok	0.08	0.3	3.91e-04	5.7	5.7	5.7	5.7	55.3	99.9	39.2	42.7	-69.1	129.1
313	ok	0.08	0.3	0.0	5.7	5.7	5.7	5.7	56.5	102.2	-35.5	222.8	-134.4	60.9
336	ok	0.08	0.3	1.07e-02	5.7	5.7	5.7	5.7	25.3	50.8	-68.5	157.4	45.0	29.0
352	ok	0.08	0.2	3.91e-03	5.7	5.7	5.7	5.7	-2.1	-5.4	3.3	-7.3	287.0	62.7
359	ok	0.08	0.2	2.43e-02	5.7	5.7	5.7	5.7	-69.1	-19.1	-79.6	65.9	7.1	-69.4
382	ok	0.08	0.1	3.94e-02	5.7	5.7	5.7	5.7	-167.3	-62.6	-61.5	-556.9	-130.1	100.2
405	ok	0.08	0.3	4.59e-03	5.7	5.7	5.7	5.7	-14.0	-2.7	17.0	-222.8	-23.9	112.4
450	ok	0.08	0.1	1.63e-02	5.7	5.7	5.7	5.7	-18.3	24.2	-30.1	-2.4	152.3	205.8
471	ok	0.08	0.1	2.35e-02	5.7	5.7	5.7	5.7	-99.8	37.5	31.1	-295.0	-33.1	152.6
474	ok	0.08	0.2	3.07e-02	5.7	5.7	5.7	5.7	-65.6	-8.2	88.6	-328.7	-32.0	127.0
477	ok	0.08	0.2	2.12e-02	5.7	5.7	5.7	5.7	11.3	-37.3	77.9	-177.1	-324.3	165.8
480	ok	0.08	0.4	1.90e-02	5.7	5.7	5.7	5.7	87.3	-14.6	-5.3	829.9	360.8	30.2
500	ok	0.08	0.2	2.61e-02	5.7	5.7	5.7	5.7	-71.3	6.2	-87.5	432.4	-124.7	152.5
503	ok	0.18	7.79e-02	7.73e-02	96.1	96.1	106.2	106.2	-531.5	377.0	64.0	662.3	-49.2	49.1
506	ok	0.18	0.8	0.3	96.1	96.1	106.2	106.2	3135.0	3116.5	2970.2	458.3	173.6	-281.8
509	ok	0.18	0.8	0.3	96.1	96.1	106.2	106.2	-1773.8	1972.1	-1516.1	-252.6	-1836.6	729.7
529	ok	0.18	5.38e-02	5.32e-02	96.1	96.1	106.2	106.2	-379.4	113.9	345.6	-315.8	348.3	90.6
532	ok	0.08	0.2	2.97e-02	5.7	5.7	5.7	5.7	-90.3	6.3	100.5	105.4	-30.1	214.6
535	ok	0.08	0.2	7.55e-03	5.7	5.7	5.7	5.7	32.7	-7.2	13.4	46.2	-136.9	190.5
538	ok	0.08	0.4	1.72e-02	5.7	5.7	5.7	5.7	85.8	-30.0	13.5	395.5	86.8	-143.1
558	ok	0.08	0.2	1.89e-02	5.7	5.7	5.7	5.7	-11.4	-13.8	-80.7	350.0	-12.7	-49.9
561	ok	0.08	0.2	2.77e-02	5.7	5.7	5.7	5.7	-49.3	17.6	-83.2	-82.2	-58.9	250.2
564	ok	0.08	0.2	2.20e-02	5.7	5.7	5.7	5.7	-76.5	23.5	-38.2	-117.5	-53.8	241.1
567	ok	0.08	0.2	1.46e-02	5.7	5.7	5.7	5.7	12.3	10.5	-16.4	-27.5	331.7	43.6
590	ok	0.08	7.05e-02	8.58e-03	5.7	5.7	5.7	5.7	-21.4	12.5	-14.3	50.9	222.0	223.0
611	ok	0.08	9.76e-02	1.17e-02	5.7	5.7	5.7	5.7	-39.1	11.6	18.6	26.0	180.9	225.4
614	ok	0.08	0.1	1.83e-02	5.7	5.7	5.7	5.7	-41.7	-3.9	59.0	-92.5	-96.1	76.0
617	ok	0.08	0.2	1.92e-02	5.7	5.7	5.7	5.7	-21.8	-24.8	70.2	-140.0	-31.6	66.1
620	ok	0.08	0.1	1.70e-02	5.7	5.7	5.7	5.7	-11.5	-41.0	25.7	357.1	68.5	106.0
623	ok	0.08	0.1	2.06e-02	5.7	5.7	5.7	5.7	-63.8	-14.8	42.9	339.9	25.1	95.4
626	ok	0.08	1.0	7.93e-02	5.7	5.7	5.7	5.7	-61.6	-34.9	176.4	53.9	125.8	36.1
629	ok	0.08	0.8	0.2	5.7	5.7	5.7	5.7	-73.9	-117.4	-368.8	-309.7	216.7	237.9
632	ok	0.08	0.9	0.1	5.7	5.7	5.7	5.7	254.3	-688.8	-61.0	683.7	303.4	169.3
635	ok	0.08	0.6	6.94e-02	5.7	5.7	5.7	5.7	-108.0	7.2	-272.5	131.5	-226.8	157.5
638	ok	0.08	8.07e-02	1.72e-02	5.7	5.7	5.7	5.7	-78.3	-22.5	-10.0	-75.5	-77.0	146.2
641	ok	0.08	0.2	1.26e-02	5.7	5.7	5.7	5.7	20.6	-47.7	22.6	164.4	121.8	-94.9
644	ok	0.08	0.1	1.62e-02	5.7	5.7	5.7	5.7	18.1	-61.4	-33.1	305.7	50.6	261.9
647	ok	0.08	0.2	1.84e-02	5.7	5.7	5.7	5.7	-11.2	-30.0	-64.1	330.8	-86.2	307.4
650	ok	0.08	0.2	1.85e-02	5.7	5.7	5.7	5.7	-33.2	-8.1	-57.3	131.8	-133.4	275.7
653	ok	0.08	0.1	1.22e-02	5.7	5.7	5.7	5.7	-31.4	-7.1	-36.0	-24.1	-245.6	130.8
656	ok	0.08	0.1	9.44e-03	5.7	5.7	5.7	5.7	-31.0	-0.5	-28.3	141.4	351.0	37.7
675	ok	0.08	9.46e-02	3.48e-03	5.7	5.7	5.7	5.7	-4.6	11.1	-8.4	-9.4	289.0	200.7
696	ok	0.08	0.1	5.60e-03	5.7	5.7	5.7	5.7	-14.8	5.9	10.0	72.0	342.3	214.1
699	ok	0.08	0.1	1.15e-02	5.7	5.7	5.7	5.7	-7.3	-29.6	32.7	-12.2	-87.2	151.2
702	ok	0.08	7.51e-02	1.61e-02	5.7	5.7	5.7	5.7	-1.5	-56.3	26.1	-1.0	-27.4	158.9
705	ok	0.08	4.48e-02	2.04e-02	5.7	5.7	5.7	5.7	-1.6	-81.6	31.0	12.4	18.0	160.6
708	ok	0.08	4.09e-02	2.71e-02	5.7	5.7	5.7	5.7	-9.7	-110.2	39.7	21.2	53.2	142.5
711	ok	0.08	6.27e-02	4.19e-02	5.7	5.7	5.7	5.7	-3.7	-165.8	59.0	2.9	109.4	128.5
714	ok	0.08	8.71e-02	5.08e-02	5.7	5.7	5.7	5.7	19.2	-227.0	35.6	-20.7	104.9	164.6
717	ok	0.08	9.81e-02	5.10e-02	5.7	5.7	5.7	5.7	3.6	-212.8	-61.8	-5.4	-30.7	201.9
720	ok	0.08	4.22e-02	3.72e-02	5.7	5.7	5.7	5.7	-19.6	-136.7	-46.4	-14.4	-114.1	161.2
723	ok	0.08	3.86e-02	2.59e-02	5.7	5.7	5.7	5.7	-17.9	-116.6	-11.1	-14.9	-90.8	133.6

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
726	ok	0.08	3.47e-02	2.36e-02	5.7	5.7	5.7	5.7	-0.6	-112.9	9.9	-8.1	-40.2	148.1
729	ok	0.08	4.82e-02	2.21e-02	5.7	5.7	5.7	5.7	5.4	-107.0	-18.0	-1.5	-13.7	164.2
732	ok	0.08	9.47e-02	1.93e-02	5.7	5.7	5.7	5.7	1.2	-86.4	-34.9	-4.7	-73.6	161.3
735	ok	0.08	0.1	1.50e-02	5.7	5.7	5.7	5.7	-4.8	-57.8	-39.4	8.9	-87.0	181.7
738	ok	0.08	7.08e-02	9.34e-03	5.7	5.7	5.7	5.7	-14.4	-26.8	-25.5	-40.4	-322.4	129.9
741	ok	0.08	0.2	4.46e-03	5.7	5.7	5.7	5.7	-5.5	-5.1	-10.2	141.7	307.4	73.7
758	ok	0.08	0.2	1.87e-03	5.7	5.7	5.7	5.7	-1.3	37.6	-1.8	52.9	385.1	178.4
779	ok	0.08	0.2	2.77e-03	5.7	5.7	5.7	5.7	-0.9	31.1	5.0	70.3	488.8	147.2
783	ok	0.08	7.71e-02	8.42e-03	5.7	5.7	5.7	5.7	-2.7	-31.7	-2.3	0.1	-95.5	82.2
787	ok	0.08	3.02e-02	1.60e-02	5.7	5.7	5.7	5.7	-3.1	-70.7	4.4	-0.6	-30.6	86.7
791	ok	0.08	2.93e-02	2.32e-02	5.7	5.7	5.7	5.7	-2.8	-106.4	-2.8	-1.3	18.7	85.1
795	ok	0.08	3.72e-02	3.15e-02	5.7	5.7	5.7	5.7	-1.6	-144.8	-2.6	-2.0	63.7	78.8
799	ok	0.08	4.88e-02	4.56e-02	5.7	5.7	5.7	5.7	-3.5	-213.0	-2.8	-2.5	99.1	77.1
803	ok	0.08	5.79e-02	5.89e-02	5.7	5.7	5.7	5.7	-6.6	-268.9	4.0	8.32e-02	77.3	86.2
807	ok	0.08	5.40e-02	5.30e-02	5.7	5.7	5.7	5.7	-7.7	-247.8	1.3	1.8	-11.0	92.8
811	ok	0.08	4.15e-02	3.63e-02	5.7	5.7	5.7	5.7	-1.0	-169.9	3.3	1.3	-82.6	92.8
815	ok	0.08	3.68e-02	3.10e-02	5.7	5.7	5.7	5.7	-1.1	-146.1	7.6	4.1	-71.7	61.7
819	ok	0.08	3.84e-02	3.28e-02	5.7	5.7	5.7	5.7	-3.1	-159.9	7.6	4.5	-40.1	68.4
823	ok	0.08	3.76e-02	3.19e-02	5.7	5.7	5.7	5.7	-4.0	-167.0	-1.2	6.5	3.6	79.5
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-2485.86	-688.76	-2648.90	-685.60	-1836.56	-586.92
		0.18	0.99	0.32	96.13	96.13	106.19	106.19	3839.11	4742.24	2970.19	2042.84	2212.54	729.71

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
37	ok	0.35						
60	ok	0.36						
76	ok	0.48						
87	ok	0.36						
106	ok	0.56						
129	ok	0.56						
152	ok	0.48						
168	ok	0.66						
175	ok	0.65						
198	ok	1.63						
221	ok	1.63						
244	ok	1.11						
260	ok	0.81						
267	ok	0.23						
290	ok	0.49						
313	ok	0.55						
336	ok	0.55						
352	ok	0.81						
359	ok	0.25						
382	ok	0.54						
405	ok	0.54						
450	ok	0.37						
471	ok	0.37						
474	ok	0.34						
477	ok	0.90						
480	ok	0.90						
500	ok	0.64						
503	ok	0.63						
506	ok	2.02						
509	ok	2.02						
529	ok	1.11						
532	ok	0.23						
535	ok	0.66						
538	ok	0.89						
558	ok	0.89						
561	ok	0.25						
564	ok	0.59						
567	ok	0.59						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
590	ok	0.23						
611	ok	0.23						
614	ok	0.21						
617	ok	0.48						
620	ok	0.48						
623	ok	0.42						
626	ok	0.28						
629	ok	0.72						
632	ok	0.72						
635	ok	0.43						
638	ok	0.22						
641	ok	0.43						
644	ok	0.47						
647	ok	0.47						
650	ok	0.20						
653	ok	0.35						
656	ok	0.35						
675	ok	0.19						
696	ok	0.19						
699	ok	0.16						
702	ok	0.16						
705	ok	0.16						
708	ok	0.16						
711	ok	0.17						
714	ok	0.18						
717	ok	0.18						
720	ok	0.15						
723	ok	0.14						
726	ok	0.17						
729	ok	0.17						
732	ok	0.16						
735	ok	0.15						
738	ok	0.30						
741	ok	0.30						
758	ok	0.68						
779	ok	0.68						
783	ok	0.58						
787	ok	0.43						
791	ok	0.31						
795	ok	0.29						
799	ok	0.24						
803	ok	0.20						
807	ok	0.14						
811	ok	0.21						
815	ok	0.25						
819	ok	0.30						
823	ok	0.34						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		2.02						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
7	30.00	5	10	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
55	ok	0.07	0.1	1.27e-02	4.5	4.5	4.5	4.5	-63.5	-44.5	17.6	-560.0	30.5	-125.2
78	ok	0.07	0.2	5.37e-02	4.5	4.5	4.5	4.5	-186.3	-17.5	64.5	-642.6	-299.2	-114.8
100	ok	0.07	0.1	1.32e-02	4.5	4.5	4.5	4.5	-8.4	-68.4	25.2	48.9	31.6	-28.8
102	ok	0.07	0.2	3.55e-02	4.5	4.5	4.5	4.5	-71.8	-49.3	128.8	-277.4	-126.8	-35.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
124	ok	0.07	0.3	2.40e-02	4.5	4.5	4.5	4.5	5.2	-29.8	120.0	-144.6	-78.9	-50.9
147	ok	0.07	0.3	1.20e-02	4.5	4.5	4.5	4.5	41.3	45.3	43.7	355.7	143.2	12.3
170	ok	0.07	0.3	8.34e-03	4.5	4.5	4.5	4.5	50.0	29.5	15.2	134.6	-38.1	-32.0
191	ok	0.07	0.1	9.99e-03	4.5	4.5	4.5	4.5	-5.0	-44.9	-23.6	170.7	-17.8	-28.2
193	ok	0.07	0.2	7.78e-03	4.5	4.5	4.5	4.5	18.5	27.8	26.1	-270.4	-82.0	-42.2
216	ok	0.07	0.1	1.58e-02	4.5	4.5	4.5	4.5	-69.5	-31.0	32.2	-488.8	-227.6	-79.8
239	ok	0.07	0.1	3.45e-02	4.5	4.5	4.5	4.5	-147.1	-46.6	59.7	-765.3	-48.6	-64.6
262	ok	0.07	0.2	2.32e-02	4.5	4.5	4.5	4.5	-67.4	-40.8	75.6	-541.0	-317.8	-25.3
283	ok	0.07	0.1	7.39e-03	4.5	4.5	4.5	4.5	-5.2	-26.4	-5.0	42.7	-28.2	-43.6
285	ok	0.07	0.3	1.13e-02	4.5	4.5	4.5	4.5	19.0	25.4	53.7	-383.2	-102.7	12.7
308	ok	0.07	0.3	6.45e-03	4.5	4.5	4.5	4.5	52.5	36.9	37.3	-314.5	-69.9	-32.8
331	ok	0.07	0.3	1.84e-03	4.5	4.5	4.5	4.5	42.1	50.0	-35.0	295.4	50.2	22.0
354	ok	0.07	0.3	1.18e-02	4.5	4.5	4.5	4.5	32.3	25.5	-62.8	197.2	43.2	14.6
374	ok	0.07	0.2	2.40e-02	4.5	4.5	4.5	4.5	-59.5	-8.2	-71.6	-336.5	-73.4	-8.5
400	ok	0.07	9.68e-02	3.96e-02	4.5	4.5	4.5	4.5	-167.6	-39.2	-12.0	-528.7	-216.4	81.7
423	ok	0.07	8.00e-02	1.04e-02	4.5	4.5	4.5	4.5	-40.2	-5.7	4.0	-319.3	105.5	71.5
468	ok	0.07	0.1	1.41e-02	4.5	4.5	4.5	4.5	-66.3	14.3	21.0	150.8	287.9	-26.7
472	ok	0.07	0.2	2.85e-02	4.5	4.5	4.5	4.5	-110.9	11.1	70.2	-26.5	-229.6	-140.8
475	ok	0.07	0.3	3.87e-02	4.5	4.5	4.5	4.5	-67.3	-4.4	120.4	-154.2	-117.9	-113.6
478	ok	0.07	0.4	2.87e-02	4.5	4.5	4.5	4.5	3.8	-32.7	107.5	-127.1	206.7	-88.8
498	ok	0.07	0.5	2.84e-02	4.5	4.5	4.5	4.5	-7.3	-37.9	132.4	-223.7	-96.4	-119.8
501	ok	0.07	0.3	1.32e-02	4.5	4.5	4.5	4.5	51.3	3.4	35.9	157.3	173.6	-19.7
504	ok	0.07	0.1	1.04e-02	4.5	4.5	4.5	4.5	-3.8	-1.0	24.2	-224.3	-1.1	-20.7
507	ok	0.07	0.2	1.49e-02	4.5	4.5	4.5	4.5	-52.9	-21.4	37.4	-150.5	-89.6	-30.8
527	ok	0.07	0.2	2.68e-02	4.5	4.5	4.5	4.5	-87.5	-16.9	85.8	150.1	136.3	-121.5
530	ok	0.07	0.3	2.42e-02	4.5	4.5	4.5	4.5	-50.4	-4.3	100.4	-127.3	-247.1	-87.5
533	ok	0.07	0.3	1.71e-02	4.5	4.5	4.5	4.5	6.5	-10.3	53.2	-320.7	-23.7	-13.0
536	ok	0.07	0.2	1.18e-02	4.5	4.5	4.5	4.5	49.6	-19.9	24.3	-315.0	143.4	-78.8
556	ok	0.07	0.5	1.77e-02	4.5	4.5	4.5	4.5	91.2	-7.9	-67.0	-562.2	-364.4	-13.8
559	ok	0.07	0.3	1.71e-02	4.5	4.5	4.5	4.5	-2.7	-11.3	-71.5	-303.6	-43.3	47.1
562	ok	0.07	0.2	2.54e-02	4.5	4.5	4.5	4.5	-40.2	10.7	-73.9	-165.7	-106.0	78.5
565	ok	0.07	0.2	2.28e-02	4.5	4.5	4.5	4.5	-83.6	19.2	-38.5	-118.5	-76.9	117.6
585	ok	0.07	0.1	1.54e-02	4.5	4.5	4.5	4.5	-34.8	1.3	2.6	-104.2	214.0	64.8
608	ok	0.07	0.2	1.20e-02	4.5	4.5	4.5	4.5	-23.3	5.5	43.5	153.0	345.7	-86.2
612	ok	0.07	0.2	1.96e-02	4.5	4.5	4.5	4.5	-44.5	10.4	72.0	93.5	107.2	-106.6
615	ok	0.07	0.3	2.59e-02	4.5	4.5	4.5	4.5	-39.0	10.0	91.0	-69.0	-136.6	-59.3
618	ok	0.07	0.3	2.49e-02	4.5	4.5	4.5	4.5	-7.0	-18.6	101.8	-75.1	-31.1	-76.1
621	ok	0.07	0.3	2.01e-02	4.5	4.5	4.5	4.5	21.7	-32.4	81.5	-168.5	-44.6	-117.0
624	ok	0.07	0.2	1.41e-02	4.5	4.5	4.5	4.5	1.1	-37.3	52.0	-58.0	-9.6	-64.3
627	ok	0.07	0.1	1.19e-02	4.5	4.5	4.5	4.5	-5.2	-30.7	41.8	-65.9	-27.4	-56.1
630	ok	0.07	0.1	1.28e-02	4.5	4.5	4.5	4.5	-23.3	-24.9	41.9	-59.5	-5.3	-64.5
633	ok	0.07	0.1	1.56e-02	4.5	4.5	4.5	4.5	-29.5	-25.3	45.4	-54.4	12.0	-54.9
636	ok	0.07	0.1	1.73e-02	4.5	4.5	4.5	4.5	-32.1	-29.1	62.9	-60.8	-18.9	-64.5
639	ok	0.07	0.2	1.72e-02	4.5	4.5	4.5	4.5	-8.4	-39.8	62.3	-51.7	21.8	-75.8
642	ok	0.07	0.2	1.35e-02	4.5	4.5	4.5	4.5	16.2	-41.8	50.6	-71.7	42.0	-67.7
645	ok	0.07	0.2	1.09e-02	4.5	4.5	4.5	4.5	31.1	-29.5	-29.1	-109.2	-108.8	-9.9
648	ok	0.07	0.2	1.50e-02	4.5	4.5	4.5	4.5	5.0	-7.2	-68.6	-220.7	-124.3	44.6
651	ok	0.07	0.2	1.71e-02	4.5	4.5	4.5	4.5	-24.8	6.1	-71.9	-146.5	-114.9	51.4
654	ok	0.07	0.1	1.32e-02	4.5	4.5	4.5	4.5	-50.1	14.5	-43.5	41.1	69.2	71.5
670	ok	0.07	9.37e-02	8.16e-03	4.5	4.5	4.5	4.5	-34.8	5.3	-17.8	165.6	240.8	63.2
693	ok	0.07	0.2	1.03e-02	4.5	4.5	4.5	4.5	-8.1	8.6	48.6	304.3	400.1	-133.3
697	ok	0.07	0.2	1.57e-02	4.5	4.5	4.5	4.5	-22.7	4.8	69.1	162.6	82.2	-84.9
700	ok	0.07	0.2	1.99e-02	4.5	4.5	4.5	4.5	-15.0	-8.3	86.6	-32.5	-83.4	-27.0
703	ok	0.07	0.2	2.09e-02	4.5	4.5	4.5	4.5	-5.0	-22.3	85.7	-71.0	-49.9	-72.3
706	ok	0.07	0.2	1.95e-02	4.5	4.5	4.5	4.5	2.3	-33.3	72.7	-90.6	-32.6	-79.7
709	ok	0.07	0.2	1.66e-02	4.5	4.5	4.5	4.5	-5.9	-43.8	50.0	65.1	24.0	-53.0
712	ok	0.07	0.1	1.46e-02	4.5	4.5	4.5	4.5	-11.5	-41.2	45.3	61.3	13.0	-60.3
715	ok	0.07	0.1	1.44e-02	4.5	4.5	4.5	4.5	-10.5	-41.2	34.9	34.1	16.3	-70.5
718	ok	0.07	0.1	1.58e-02	4.5	4.5	4.5	4.5	-12.7	-42.9	41.7	33.7	14.4	-68.3
721	ok	0.07	0.1	1.74e-02	4.5	4.5	4.5	4.5	-10.3	-48.7	48.6	44.9	22.4	-70.8
724	ok	0.07	0.1	1.78e-02	4.5	4.5	4.5	4.5	-3.7	-56.6	47.9	41.5	27.2	-70.8
727	ok	0.07	0.1	1.61e-02	4.5	4.5	4.5	4.5	3.1	-62.7	35.7	35.3	36.4	-67.0
730	ok	0.07	0.1	1.25e-02	4.5	4.5	4.5	4.5	1.5	-45.8	-19.2	128.6	-2.4	-18.7
733	ok	0.07	0.2	1.29e-02	4.5	4.5	4.5	4.5	1.5	-43.7	-30.3	125.8	-16.0	-61.6
736	ok	0.07	0.2	1.27e-02	4.5	4.5	4.5	4.5	-8.8	-30.8	-36.0	98.8	33.1	-91.0
739	ok	0.07	0.2	1.01e-02	4.5	4.5	4.5	4.5	-26.0	6.9	-46.6	116.9	87.8	13.6

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
753	ok	0.07	0.2	7.98e-03	4.5	4.5	4.5	4.5	6.2	24.0	-26.7	37.9	97.9	27.4
755	ok	0.07	0.1	6.13e-03	4.5	4.5	4.5	4.5	-11.4	8.7	-24.0	145.0	204.3	44.7
776	ok	0.07	0.2	6.32e-03	4.5	4.5	4.5	4.5	10.9	25.8	51.5	71.3	308.8	-71.4
780	ok	0.07	0.2	1.30e-02	4.5	4.5	4.5	4.5	-12.2	13.1	64.6	-99.2	-186.1	38.0
784	ok	0.07	0.2	1.61e-02	4.5	4.5	4.5	4.5	-8.9	-9.1	73.5	-17.6	-82.0	-32.7
788	ok	0.07	0.2	1.87e-02	4.5	4.5	4.5	4.5	-8.2	-38.4	50.3	128.2	23.6	-21.2
792	ok	0.07	0.2	1.98e-02	4.5	4.5	4.5	4.5	-8.0	-54.7	54.7	154.1	34.8	-44.9
796	ok	0.07	0.1	1.91e-02	4.5	4.5	4.5	4.5	-7.9	-61.9	45.6	154.8	37.3	-43.8
800	ok	0.07	0.1	1.76e-02	4.5	4.5	4.5	4.5	-8.5	-50.7	47.4	121.6	26.5	-45.7
804	ok	0.07	0.1	1.65e-02	4.5	4.5	4.5	4.5	-8.3	-49.2	46.3	114.1	26.9	-44.9
808	ok	0.07	0.1	1.69e-02	4.5	4.5	4.5	4.5	-8.3	-51.3	49.1	107.4	28.5	-43.2
812	ok	0.07	0.1	1.83e-02	4.5	4.5	4.5	4.5	-8.1	-60.6	52.1	110.7	34.3	-45.4
816	ok	0.07	8.69e-02	1.98e-02	4.5	4.5	4.5	4.5	-8.3	-73.4	51.0	103.4	36.7	-43.4
820	ok	0.07	7.07e-02	1.99e-02	4.5	4.5	4.5	4.5	-8.4	-83.6	44.4	94.6	39.8	-39.7
824	ok	0.07	6.80e-02	1.75e-02	4.5	4.5	4.5	4.5	-8.4	-82.3	34.0	75.1	39.5	-32.7
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-186.33	-83.58	-73.87	-765.32	-364.41	-140.76
		0.07	0.50	0.05	4.52	4.52	4.52	4.52	91.24	49.96	132.43	355.68	400.10	117.58

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
55	ok	0.50						
78	ok	0.50						
100	ok	0.15						
102	ok	0.21						
124	ok	0.24						
147	ok	0.24						
170	ok	0.23						
191	ok	0.18						
193	ok	0.22						
216	ok	0.42						
239	ok	0.51						
262	ok	0.51						
283	ok	0.43						
285	ok	0.24						
308	ok	0.27						
331	ok	0.38						
354	ok	0.38						
374	ok	0.24						
400	ok	0.46						
423	ok	0.46						
468	ok	0.50						
472	ok	0.50						
475	ok	0.22						
478	ok	0.38						
498	ok	0.46						
501	ok	0.46						
504	ok	0.22						
507	ok	0.63						
527	ok	0.70						
530	ok	0.70						
533	ok	0.24						
536	ok	0.41						
556	ok	0.47						
559	ok	0.47						
562	ok	0.24						
565	ok	0.43						
585	ok	0.43						
608	ok	0.32						
612	ok	0.32						
615	ok	0.12						
618	ok	0.23						
621	ok	0.27						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
624	ok	0.27						
627	ok	0.14						
630	ok	0.29						
633	ok	0.32						
636	ok	0.32						
639	ok	0.15						
642	ok	0.27						
645	ok	0.28						
648	ok	0.28						
651	ok	0.15						
654	ok	0.26						
670	ok	0.26						
693	ok	0.55						
697	ok	0.55						
700	ok	0.13						
703	ok	0.13						
706	ok	0.13						
709	ok	0.13						
712	ok	0.13						
715	ok	0.15						
718	ok	0.15						
721	ok	0.15						
724	ok	0.13						
727	ok	0.13						
730	ok	0.14						
733	ok	0.14						
736	ok	0.13						
739	ok	0.39						
753	ok	0.43						
755	ok	0.39						
776	ok	0.65						
780	ok	0.65						
784	ok	0.18						
788	ok	0.15						
792	ok	0.12						
796	ok	0.12						
800	ok	0.11						
804	ok	0.12						
808	ok	0.12						
812	ok	0.12						
816	ok	0.12						
820	ok	0.14						
824	ok	0.14						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		0.70						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
8	30.00	5	10	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
14	ok	0.07	7.95e-02	2.99e-03	4.5	4.5	4.5	4.5	-2.5	2.5	-6.6	-21.6	-84.0	27.4
53	ok	0.07	9.04e-02	1.54e-02	4.5	4.5	4.5	4.5	-11.8	-84.6	6.7	61.8	-34.3	22.2
57	ok	0.07	0.1	1.30e-02	4.5	4.5	4.5	4.5	-30.6	-12.4	-37.7	-163.7	-2.5	0.3
80	ok	0.07	4.57e-02	3.45e-02	4.5	4.5	4.5	4.5	-161.2	-37.8	-16.4	295.2	82.7	-1.7
103	ok	0.07	6.47e-02	1.74e-02	4.5	4.5	4.5	4.5	-62.4	-58.4	41.8	-62.7	-82.1	-124.3
126	ok	0.07	0.1	6.28e-03	4.5	4.5	4.5	4.5	1.0	-21.1	14.1	-174.5	-12.8	-88.8
145	ok	0.07	0.1	1.48e-02	4.5	4.5	4.5	4.5	-11.9	-72.4	7.6	68.8	-35.4	23.3
149	ok	0.07	0.2	5.27e-03	4.5	4.5	4.5	4.5	17.6	-4.0	-34.1	23.4	24.4	-50.2

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
172	ok	0.07	0.2	5.79e-03	4.5	4.5	4.5	4.5	19.8	4.8	-43.4	-29.4	10.8	-35.4
195	ok	0.07	0.2	1.03e-02	4.5	4.5	4.5	4.5	6.9	0.3	-54.3	35.2	41.5	-8.2
218	ok	0.07	0.1	2.41e-02	4.5	4.5	4.5	4.5	-58.6	-20.5	-74.2	166.5	10.4	23.8
237	ok	0.07	0.1	1.35e-02	4.5	4.5	4.5	4.5	-9.7	-14.6	-53.4	97.1	45.6	-17.6
241	ok	0.07	5.10e-02	3.61e-02	4.5	4.5	4.5	4.5	-135.7	-39.9	-61.2	94.8	27.4	-31.3
264	ok	0.07	8.68e-02	1.65e-02	4.5	4.5	4.5	4.5	-66.2	9.7	33.4	-219.3	-26.6	-63.0
287	ok	0.07	0.2	4.43e-03	4.5	4.5	4.5	4.5	1.9	23.5	20.2	-407.7	-106.1	-47.4
310	ok	0.07	0.2	3.50e-03	4.5	4.5	4.5	4.5	19.2	34.8	-36.6	-163.0	12.4	-33.4
329	ok	0.07	0.1	1.16e-02	4.5	4.5	4.5	4.5	-9.0	-4.7	-33.0	61.9	11.4	29.1
333	ok	0.07	0.2	4.46e-03	4.5	4.5	4.5	4.5	21.7	42.1	-36.8	-164.8	16.8	-16.3
356	ok	0.07	0.2	1.02e-02	4.5	4.5	4.5	4.5	12.8	25.8	-42.7	-76.2	57.3	11.1
375	ok	0.07	0.2	2.60e-02	4.5	4.5	4.5	4.5	-59.1	-31.9	-71.7	282.2	5.8	61.7
402	ok	0.07	0.1	4.12e-02	4.5	4.5	4.5	4.5	-147.5	-74.1	-69.3	491.3	121.8	-9.0
425	ok	0.07	0.1	6.84e-03	4.5	4.5	4.5	4.5	-14.6	2.2	10.2	154.9	2.1	-66.5
470	ok	0.07	0.2	1.56e-02	4.5	4.5	4.5	4.5	-50.3	3.8	-41.3	38.1	-46.5	-14.8
473	ok	0.07	0.1	1.92e-02	4.5	4.5	4.5	4.5	-91.5	30.2	4.2	46.2	78.9	-4.4
476	ok	0.07	9.23e-02	1.87e-02	4.5	4.5	4.5	4.5	-60.0	-8.5	27.4	78.8	-5.6	-66.9
479	ok	0.07	8.64e-02	1.17e-02	4.5	4.5	4.5	4.5	-27.7	-27.6	35.5	-11.3	-42.3	-78.6
499	ok	0.07	0.1	7.71e-03	4.5	4.5	4.5	4.5	2.0	-27.0	-21.7	138.5	19.0	-90.1
502	ok	0.07	0.1	1.15e-02	4.5	4.5	4.5	4.5	2.8	-27.6	-38.4	142.4	21.2	-73.7
505	ok	0.07	0.2	1.83e-02	4.5	4.5	4.5	4.5	-14.0	-27.1	-56.4	197.6	38.1	-59.5
508	ok	0.07	0.2	2.54e-02	4.5	4.5	4.5	4.5	-52.9	-13.2	-62.0	273.0	66.7	-63.3
528	ok	0.07	0.1	2.12e-02	4.5	4.5	4.5	4.5	-71.6	-4.2	-40.3	26.5	35.6	-66.0
531	ok	0.07	8.20e-02	1.79e-02	4.5	4.5	4.5	4.5	-66.7	-0.7	46.8	-105.5	-2.4	-7.9
534	ok	0.07	0.1	9.31e-03	4.5	4.5	4.5	4.5	-20.2	-7.1	31.6	-140.2	-50.6	-19.1
537	ok	0.07	0.2	8.75e-03	4.5	4.5	4.5	4.5	6.1	-7.7	-38.7	-43.8	9.6	-68.3
557	ok	0.07	0.2	1.29e-02	4.5	4.5	4.5	4.5	7.2	-6.2	-49.4	-65.0	11.8	-57.8
560	ok	0.07	0.2	2.03e-02	4.5	4.5	4.5	4.5	-20.1	-18.9	-73.6	239.6	42.5	-16.3
563	ok	0.07	0.2	2.90e-02	4.5	4.5	4.5	4.5	-53.6	1.7	-62.9	292.8	69.8	-33.4
566	ok	0.07	0.2	2.38e-02	4.5	4.5	4.5	4.5	-82.3	7.7	-39.6	145.5	74.6	-90.3
586	ok	0.07	0.1	1.59e-02	4.5	4.5	4.5	4.5	-18.9	1.4	-24.8	302.2	-7.3	-51.7
610	ok	0.07	0.2	1.07e-02	4.5	4.5	4.5	4.5	17.2	0.3	-56.2	103.3	89.7	-52.5
613	ok	0.07	0.1	1.14e-02	4.5	4.5	4.5	4.5	-24.6	6.4	-26.6	57.6	49.5	-78.9
616	ok	0.07	5.03e-02	1.09e-02	4.5	4.5	4.5	4.5	-31.6	-11.2	-15.7	-49.3	-53.7	-73.1
619	ok	0.07	3.52e-02	8.90e-03	4.5	4.5	4.5	4.5	-16.1	-26.4	-16.5	-118.8	-60.6	-80.9
622	ok	0.07	5.68e-02	9.24e-03	4.5	4.5	4.5	4.5	-4.6	-33.8	-20.6	-149.1	-69.4	-86.9
625	ok	0.07	9.33e-02	1.31e-02	4.5	4.5	4.5	4.5	-3.2	-37.9	-34.8	-166.4	-64.7	-85.6
628	ok	0.07	0.1	1.66e-02	4.5	4.5	4.5	4.5	-9.8	-32.0	-51.3	-88.3	-25.6	-85.3
631	ok	0.07	0.1	1.78e-02	4.5	4.5	4.5	4.5	-27.6	-24.7	-51.1	-84.8	-11.9	-80.6
634	ok	0.07	6.90e-02	1.53e-02	4.5	4.5	4.5	4.5	-44.0	-18.4	-35.3	73.7	29.1	-68.3
637	ok	0.07	4.71e-02	1.11e-02	4.5	4.5	4.5	4.5	-26.4	-22.1	-26.9	-89.6	-13.4	-50.7
640	ok	0.07	6.56e-02	9.42e-03	4.5	4.5	4.5	4.5	-16.2	-36.7	12.4	-196.7	-71.8	21.7
643	ok	0.07	0.1	1.14e-02	4.5	4.5	4.5	4.5	-4.4	-40.0	8.4	-199.8	-83.2	17.5
646	ok	0.07	0.2	1.49e-02	4.5	4.5	4.5	4.5	1.2	-27.3	-44.2	-101.2	-17.7	-41.3
649	ok	0.07	0.2	1.83e-02	4.5	4.5	4.5	4.5	-12.1	-19.1	-61.1	-93.9	-20.8	-31.6
652	ok	0.07	0.2	1.95e-02	4.5	4.5	4.5	4.5	-39.3	-6.2	-64.7	25.5	60.9	-76.7
655	ok	0.07	0.1	1.50e-02	4.5	4.5	4.5	4.5	-30.8	-3.3	-44.5	-39.7	70.9	-103.0
671	ok	0.07	9.01e-02	1.90e-02	4.5	4.5	4.5	4.5	-79.0	-2.8	-30.5	-267.7	-171.5	-48.0
695	ok	0.07	0.2	5.91e-03	4.5	4.5	4.5	4.5	27.2	-2.0	-39.7	156.9	137.0	-40.6
698	ok	0.07	0.1	9.20e-03	4.5	4.5	4.5	4.5	-14.8	0.3	-33.1	100.7	57.6	-57.8
701	ok	0.07	7.85e-02	8.96e-03	4.5	4.5	4.5	4.5	-26.3	-30.6	-23.3	-44.5	-62.9	-64.5
704	ok	0.07	6.32e-02	1.02e-02	4.5	4.5	4.5	4.5	-22.3	-42.8	-16.1	-65.2	-72.0	-64.9
707	ok	0.07	6.76e-02	1.21e-02	4.5	4.5	4.5	4.5	-5.7	-48.1	-29.3	-61.5	-48.4	-76.1
710	ok	0.07	9.22e-02	1.40e-02	4.5	4.5	4.5	4.5	-4.7	-54.6	-36.7	-95.7	-50.6	-80.6
713	ok	0.07	0.1	1.56e-02	4.5	4.5	4.5	4.5	-7.9	-55.1	-41.4	-124.1	-51.9	-79.6
716	ok	0.07	0.1	1.53e-02	4.5	4.5	4.5	4.5	-13.0	-52.5	-38.0	-147.6	-50.9	-71.2
719	ok	0.07	7.78e-02	1.32e-02	4.5	4.5	4.5	4.5	-15.6	-51.2	-26.7	-161.6	-50.6	-54.7
722	ok	0.07	6.24e-02	1.13e-02	4.5	4.5	4.5	4.5	-12.5	-53.8	-15.4	-166.3	-55.3	-38.8
725	ok	0.07	6.95e-02	1.13e-02	4.5	4.5	4.5	4.5	-6.6	-57.9	-12.5	-160.2	-60.4	-27.3
728	ok	0.07	9.49e-02	1.30e-02	4.5	4.5	4.5	4.5	-3.0	-44.6	-35.0	-68.0	-23.5	-40.8
731	ok	0.07	0.1	1.51e-02	4.5	4.5	4.5	4.5	-3.0	-41.6	-39.0	-61.4	-18.0	-48.3
734	ok	0.07	0.2	1.62e-02	4.5	4.5	4.5	4.5	-17.5	-32.7	-51.7	-65.1	-18.6	-25.9
737	ok	0.07	0.2	1.58e-02	4.5	4.5	4.5	4.5	-13.0	-12.0	-59.3	52.1	64.5	-34.4
740	ok	0.07	0.1	1.48e-02	4.5	4.5	4.5	4.5	-31.2	-8.8	-49.5	-81.8	9.6	-0.8
757	ok	0.07	6.66e-02	9.10e-03	4.5	4.5	4.5	4.5	-38.6	1.0	-14.0	-160.7	-184.2	27.2
778	ok	0.07	0.1	4.61e-03	4.5	4.5	4.5	4.5	4.2	0.7	-27.8	61.3	131.5	-5.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
782	ok	0.07	0.1	1.12e-02	4.5	4.5	4.5	4.5	-8.1	-3.0	-43.0	75.3	57.2	-24.0
786	ok	0.07	0.1	1.31e-02	4.5	4.5	4.5	4.5	-10.6	-52.2	-41.6	49.3	-37.0	-45.0
790	ok	0.07	8.46e-02	1.43e-02	4.5	4.5	4.5	4.5	-11.2	-68.2	-35.8	44.5	-38.6	-48.1
794	ok	0.07	7.99e-02	1.57e-02	4.5	4.5	4.5	4.5	-10.6	-72.2	-42.1	46.4	-22.1	-51.5
798	ok	0.07	8.84e-02	1.68e-02	4.5	4.5	4.5	4.5	-10.1	-78.7	-43.9	13.1	-29.3	-51.1
802	ok	0.07	9.86e-02	1.67e-02	4.5	4.5	4.5	4.5	-9.2	-77.5	-44.4	-21.2	-36.3	-48.1
806	ok	0.07	9.99e-02	1.56e-02	4.5	4.5	4.5	4.5	-8.5	-72.8	-40.9	-52.3	-42.5	-42.8
810	ok	0.07	8.71e-02	1.44e-02	4.5	4.5	4.5	4.5	-8.3	-70.9	-33.7	-71.7	-46.9	-34.8
814	ok	0.07	7.54e-02	1.41e-02	4.5	4.5	4.5	4.5	-8.8	-74.8	-26.5	-79.3	-50.0	-28.0
818	ok	0.07	7.49e-02	1.46e-02	4.5	4.5	4.5	4.5	-10.4	-82.8	16.3	43.9	-28.4	22.5
822	ok	0.07	7.32e-02	1.53e-02	4.5	4.5	4.5	4.5	-10.5	-82.9	-20.2	-63.8	-49.4	-14.8
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-161.17	-84.61	-74.20	-407.66	-184.18	-124.33
		0.07	0.23	0.04	4.52	4.52	4.52	4.52	27.23	42.10	46.76	491.30	137.00	61.70

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
14	ok	0.11						
53	ok	0.13						
57	ok	0.20						
80	ok	0.23						
103	ok	0.23						
126	ok	0.21						
145	ok	0.14						
149	ok	0.22						
172	ok	0.22						
195	ok	0.24						
218	ok	0.29						
237	ok	0.14						
241	ok	0.29						
264	ok	0.29						
287	ok	0.25						
310	ok	0.24						
329	ok	0.11						
333	ok	0.24						
356	ok	0.25						
375	ok	0.29						
402	ok	0.29						
425	ok	0.29						
470	ok	0.16						
473	ok	0.23						
476	ok	0.23						
479	ok	0.21						
499	ok	0.22						
502	ok	0.22						
505	ok	0.24						
508	ok	0.29						
528	ok	0.29						
531	ok	0.29						
534	ok	0.24						
537	ok	0.24						
557	ok	0.24						
560	ok	0.25						
563	ok	0.29						
566	ok	0.29						
586	ok	0.24						
610	ok	0.15						
613	ok	0.15						
616	ok	0.10						
619	ok	0.12						
622	ok	0.14						
625	ok	0.14						
628	ok	0.14						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
631	ok	0.16						
634	ok	0.16						
637	ok	0.16						
640	ok	0.15						
643	ok	0.14						
646	ok	0.14						
649	ok	0.14						
652	ok	0.13						
655	ok	0.17						
671	ok	0.17						
695	ok	0.20						
698	ok	0.20						
701	ok	0.13						
704	ok	0.13						
707	ok	0.13						
710	ok	0.12						
713	ok	0.11						
716	ok	0.09						
719	ok	0.09						
722	ok	0.09						
725	ok	0.11						
728	ok	0.12						
731	ok	0.13						
734	ok	0.14						
737	ok	0.14						
740	ok	0.19						
757	ok	0.19						
778	ok	0.06						
782	ok	0.10						
786	ok	0.13						
790	ok	0.13						
794	ok	0.13						
798	ok	0.13						
802	ok	0.11						
806	ok	0.09						
810	ok	0.08						
814	ok	0.09						
818	ok	0.11						
822	ok	0.12						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		0.29						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
9	30.00	5	11	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
129	ok	0.06	0.2	2.43e-02	3.9	3.9	3.9	3.9	-18.3	-74.9	-35.6	307.2	-15.7	-33.5
130	ok	0.06	0.2	2.84e-02	3.9	3.9	3.9	3.9	-45.8	42.8	-5.7	727.3	183.6	-15.2
131	ok	0.06	0.3	2.83e-02	3.9	3.9	3.9	3.9	-77.7	-3.0	36.5	829.7	142.9	-55.3
132	ok	0.06	0.3	2.69e-02	3.9	3.9	3.9	3.9	-70.4	-14.0	-74.7	10.7	-17.1	-105.8
133	ok	0.06	0.2	2.39e-02	3.9	3.9	3.9	3.9	-71.4	-14.9	-53.3	691.2	127.7	-100.8
134	ok	0.06	0.2	2.50e-02	3.9	3.9	3.9	3.9	-75.5	-19.8	62.8	657.6	125.1	-94.1
135	ok	0.06	0.2	2.65e-02	3.9	3.9	3.9	3.9	-82.4	-43.0	-65.5	-71.0	-15.3	-91.9
136	ok	0.06	0.2	2.89e-02	3.9	3.9	3.9	3.9	-86.3	-48.8	-80.3	-25.3	-2.3	-61.9
137	ok	0.06	0.2	2.67e-02	3.9	3.9	3.9	3.9	-73.7	-47.5	-77.8	-18.2	-6.3	-34.2
138	ok	0.06	0.2	2.27e-02	3.9	3.9	3.9	3.9	-66.9	-34.1	15.5	-10.2	-11.2	-15.6
139	ok	0.06	0.2	2.34e-02	3.9	3.9	3.9	3.9	-65.3	-42.6	51.1	10.4	-6.9	0.8
140	ok	0.06	0.2	2.90e-02	3.9	3.9	3.9	3.9	-75.8	-38.9	-53.8	93.5	19.4	-1.3

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
141	ok	0.06	0.2	2.73e-02	3.9	3.9	3.9	3.9	-82.5	-42.9	38.3	144.1	34.4	26.5
142	ok	0.06	0.2	2.66e-02	3.9	3.9	3.9	3.9	-78.8	-39.3	25.2	163.3	35.2	53.0
143	ok	0.06	0.3	2.42e-02	3.9	3.9	3.9	3.9	-73.7	-13.8	-87.8	262.2	42.8	53.8
144	ok	0.06	0.3	2.40e-02	3.9	3.9	3.9	3.9	-67.9	-7.8	31.5	319.8	56.9	69.1
146	ok	0.06	0.3	2.94e-02	3.9	3.9	3.9	3.9	-19.8	36.5	18.1	354.5	35.6	152.3
147	ok	0.06	0.2	3.29e-02	3.9	3.9	3.9	3.9	-29.1	-94.1	60.5	477.7	68.6	77.5
480	ok	0.06	0.7	0.0	3.9	3.9	3.9	3.9	96.0	191.8	-38.6	-27.8	-377.2	-100.5
481	ok	0.06	0.4	4.71e-02	3.9	3.9	3.9	3.9	-70.1	-45.5	122.3	707.4	-268.6	237.8
482	ok	0.06	0.4	4.49e-02	3.9	3.9	3.9	3.9	-81.3	-71.5	122.0	750.0	130.0	-58.9
483	ok	0.06	0.3	4.81e-02	3.9	3.9	3.9	3.9	-80.6	-109.3	120.1	753.9	151.0	-134.8
484	ok	0.06	0.3	5.02e-02	3.9	3.9	3.9	3.9	-80.9	-126.0	122.9	695.0	136.6	-123.4
485	ok	0.06	0.3	4.95e-02	3.9	3.9	3.9	3.9	-80.8	-120.8	-111.8	647.7	136.2	-115.2
486	ok	0.06	0.3	4.73e-02	3.9	3.9	3.9	3.9	-74.3	-117.5	117.1	-1.5	22.4	-74.0
487	ok	0.06	0.3	4.75e-02	3.9	3.9	3.9	3.9	-76.8	-105.5	-134.5	-95.9	11.4	-74.5
488	ok	0.06	0.3	5.39e-02	3.9	3.9	3.9	3.9	-84.4	-138.4	-143.5	-61.7	8.0	-51.0
489	ok	0.06	0.3	5.70e-02	3.9	3.9	3.9	3.9	-79.7	-170.6	-141.5	-19.5	-3.5	-33.1
490	ok	0.06	0.3	5.80e-02	3.9	3.9	3.9	3.9	-84.0	-177.5	123.9	1.5	2.2	2.2
491	ok	0.06	0.3	5.17e-02	3.9	3.9	3.9	3.9	-75.5	-146.9	118.3	-0.8	19.5	16.7
492	ok	0.06	0.3	4.85e-02	3.9	3.9	3.9	3.9	-72.6	-139.3	-132.4	81.0	47.2	12.7
493	ok	0.06	0.3	4.95e-02	3.9	3.9	3.9	3.9	-72.6	-147.7	-135.2	116.5	48.2	33.2
494	ok	0.06	0.3	5.27e-02	3.9	3.9	3.9	3.9	-79.0	-179.1	100.0	153.6	21.8	94.8
495	ok	0.06	0.3	5.39e-02	3.9	3.9	3.9	3.9	-81.4	-169.9	-145.3	295.5	52.0	62.4
497	ok	0.06	0.3	5.30e-02	3.9	3.9	3.9	3.9	-165.5	-182.7	68.0	134.4	97.3	262.2
498	ok	0.06	0.4	3.79e-03	3.9	3.9	3.9	3.9	92.3	25.2	-17.5	-148.0	-560.1	-21.7
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-165.50	-182.73	-145.25	-148.03	-560.09	-134.76
		0.06	0.75	0.06	3.93	3.93	3.93	3.93	96.04	191.79	123.88	829.73	183.61	262.21

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
129	ok	1.19						
130	ok	1.30						
131	ok	1.30						
132	ok	1.30						
133	ok	1.20						
134	ok	1.11						
135	ok	1.04						
136	ok	0.99						
137	ok	0.93						
138	ok	0.86						
139	ok	0.92						
140	ok	0.98						
141	ok	1.05						
142	ok	1.12						
143	ok	1.20						
144	ok	1.20						
146	ok	1.17						
147	ok	1.06						
480	ok	1.91						
481	ok	1.91						
482	ok	1.31						
483	ok	1.31						
484	ok	1.20						
485	ok	1.10						
486	ok	1.04						
487	ok	0.99						
488	ok	0.93						
489	ok	0.86						
490	ok	0.91						
491	ok	0.98						
492	ok	1.05						
493	ok	1.12						
494	ok	1.21						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
495	ok	1.21						
497	ok	1.71						
498	ok	1.71						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		1.91						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
10	30.00	5	11	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
221	ok	0.13	0.5	0.3	16.0	21.4	15.1	21.4	-1881.5	117.7	-227.4	7183.9	-617.9	-1485.7
222	ok	0.13	0.3	0.2	16.0	21.4	15.1	21.4	-40.5	-748.5	530.4	2599.1	3861.8	-840.0
223	ok	0.13	0.1	4.79e-02	16.0	21.4	15.1	21.4	61.0	-47.8	0.7	431.9	580.4	-94.8
224	ok	0.06	0.5	3.19e-02	3.9	3.9	3.9	3.9	-38.8	-35.3	-107.9	332.4	76.9	-51.0
225	ok	0.06	0.3	1.90e-02	3.9	3.9	3.9	3.9	-41.3	-20.4	54.6	367.2	75.1	-66.2
226	ok	0.06	0.5	3.25e-02	3.9	3.9	3.9	3.9	33.2	-8.6	25.0	414.7	100.2	-49.0
227	ok	0.06	0.5	6.09e-02	3.9	3.9	3.9	3.9	-115.2	-106.6	165.7	397.0	50.0	-69.5
228	ok	0.06	0.4	0.1	3.9	3.9	3.9	3.9	-462.5	-86.9	191.2	476.0	127.0	-6.3
229	ok	0.06	0.5	4.33e-02	3.9	3.9	3.9	3.9	-67.2	-69.3	-145.0	107.1	30.4	-39.3
230	ok	0.06	0.3	2.14e-02	3.9	3.9	3.9	3.9	-47.4	-21.1	-61.9	520.5	94.8	-18.4
231	ok	0.06	0.4	2.66e-02	3.9	3.9	3.9	3.9	-42.3	-29.3	84.9	485.7	85.6	20.0
232	ok	0.06	0.5	4.98e-02	3.9	3.9	3.9	3.9	72.7	-17.8	-16.7	616.6	109.1	48.7
233	ok	0.06	0.4	0.1	3.9	3.9	3.9	3.9	-216.8	-162.8	249.8	607.6	110.3	27.8
234	ok	0.06	0.6	5.70e-02	3.9	3.9	3.9	3.9	82.9	-80.0	29.3	-111.9	-68.1	22.5
235	ok	0.06	0.5	2.97e-02	3.9	3.9	3.9	3.9	33.8	0.3	-28.2	164.6	-17.0	31.9
236	ok	0.06	0.3	1.86e-02	3.9	3.9	3.9	3.9	-43.0	-10.2	-57.6	192.3	21.2	54.3
238	ok	0.06	0.4	3.22e-02	3.9	3.9	3.9	3.9	40.5	7.2	10.6	244.5	-28.7	96.4
239	ok	0.06	6.98e-02	6.01e-02	3.9	3.9	3.9	3.9	-148.7	-128.1	105.3	283.6	57.9	60.3
509	ok	0.13	0.6	0.4	16.0	21.4	15.1	21.4	-1554.2	-524.4	1286.0	-9014.7	-4489.7	2565.3
510	ok	0.13	1.0	3.01e-02	16.0	21.4	15.1	21.4	688.9	521.1	-730.2	1656.9	2579.2	-853.5
511	ok	0.13	0.1	5.50e-02	16.0	21.4	15.1	21.4	23.7	105.3	12.0	-401.2	-43.4	9.5
512	ok	0.06	0.2	8.61e-02	3.9	3.9	3.9	3.9	-69.6	-323.3	101.7	400.9	109.9	-40.8
513	ok	0.06	0.2	9.09e-02	3.9	3.9	3.9	3.9	-84.2	-373.5	111.9	389.2	69.4	-34.5
514	ok	0.06	0.2	8.40e-02	3.9	3.9	3.9	3.9	-124.2	-325.3	121.8	384.3	64.6	-81.5
515	ok	0.06	0.6	7.70e-02	3.9	3.9	3.9	3.9	-143.6	-130.4	213.1	419.5	171.6	-20.9
516	ok	0.06	1.0	5.61e-02	3.9	3.9	3.9	3.9	25.2	-81.6	-220.7	420.6	170.3	4.9
517	ok	0.06	0.3	8.66e-02	3.9	3.9	3.9	3.9	-19.2	-248.7	81.7	566.0	143.8	-76.4
518	ok	0.06	0.1	9.75e-02	3.9	3.9	3.9	3.9	-78.7	-393.7	114.8	490.2	110.8	-36.9
519	ok	0.06	0.1	9.42e-02	3.9	3.9	3.9	3.9	-122.7	-380.7	121.7	466.8	115.8	34.2
520	ok	0.06	0.3	7.87e-02	3.9	3.9	3.9	3.9	-64.9	-290.4	141.1	578.9	37.7	56.8
521	ok	0.06	1.0	4.91e-02	3.9	3.9	3.9	3.9	-65.9	20.2	-69.5	574.7	33.2	2.5
522	ok	0.06	0.7	6.93e-02	3.9	3.9	3.9	3.9	-130.4	-100.0	-221.5	121.5	38.9	16.7
523	ok	0.06	0.3	6.80e-02	3.9	3.9	3.9	3.9	-68.3	-246.4	90.1	147.9	12.5	63.9
524	ok	0.06	0.2	7.00e-02	3.9	3.9	3.9	3.9	-85.6	-293.2	96.7	167.4	62.8	76.7
526	ok	0.06	0.2	6.60e-02	3.9	3.9	3.9	3.9	-132.9	-257.1	99.9	146.8	24.7	178.5
527	ok	0.06	0.5	1.34e-02	3.9	3.9	3.9	3.9	37.6	-12.8	-63.6	-81.0	-370.6	38.2
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-1881.48	-748.52	-730.19	-9014.67	-4489.70	-1485.72
		0.13	0.98	0.43	16.01	21.38	15.15	21.38	688.94	521.15	1286.03	7183.95	3861.80	2565.31

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
221	ok Av	8.09	0.18	0.21	6.0	7.0	142.0	165.8
222	ok Av	8.09	0.18	0.21	6.0	7.0	142.0	165.8
223	ok	1.26						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
224	ok	1.26						
225	ok	1.18						
226	ok	1.09						
227	ok	1.04						
228	ok	0.98						
229	ok	0.91						
230	ok	0.86						
231	ok	0.92						
232	ok	0.96						
233	ok	1.03						
234	ok	1.11						
235	ok	1.18						
236	ok	1.18						
238	ok	1.15						
239	ok	0.86						
509	ok Av	8.02	0.18	0.21	6.0	7.0	142.0	166.7
510	ok Av	8.02	0.18	0.21	6.0	7.0	142.0	166.7
511	ok	1.27						
512	ok	1.27						
513	ok	1.18						
514	ok	1.08						
515	ok	1.04						
516	ok	0.98						
517	ok	0.90						
518	ok	0.85						
519	ok	0.91						
520	ok	0.95						
521	ok	1.03						
522	ok	1.11						
523	ok	1.19						
524	ok	1.19						
526	ok	1.64						
527	ok	1.64						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		8.09	0.18	0.21	5.97	7.01	142.01	166.73

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
11	30.00	5	11	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
313	ok	0.06	0.2	2.58e-02	3.9	3.9	3.9	3.9	-14.8	-66.5	-63.9	-169.3	-76.4	-8.2
314	ok	0.06	0.3	3.17e-02	3.9	3.9	3.9	3.9	-47.3	30.1	-28.2	-1.0	-58.3	-84.1
315	ok	0.06	0.4	3.24e-02	3.9	3.9	3.9	3.9	-75.5	-24.5	-95.9	348.1	53.0	-91.4
316	ok	0.06	0.4	3.19e-02	3.9	3.9	3.9	3.9	-69.8	-32.8	-93.7	394.2	81.2	-99.6
317	ok	0.06	0.3	3.05e-02	3.9	3.9	3.9	3.9	-66.9	-43.2	-84.3	714.9	145.6	-124.4
318	ok	0.06	0.2	3.01e-02	3.9	3.9	3.9	3.9	-69.2	-51.6	25.7	671.5	133.0	-114.4
319	ok	0.06	0.2	3.21e-02	3.9	3.9	3.9	3.9	-75.3	-64.2	27.2	626.0	117.5	-102.7
320	ok	0.06	0.2	3.51e-02	3.9	3.9	3.9	3.9	-76.5	-70.6	21.1	596.8	106.2	-91.4
321	ok	0.06	0.2	3.09e-02	3.9	3.9	3.9	3.9	-70.5	-63.9	25.8	601.6	108.6	-68.6
322	ok	0.06	0.2	2.36e-02	3.9	3.9	3.9	3.9	-61.5	-64.5	-40.5	605.1	114.1	-11.5
323	ok	0.06	0.2	3.11e-02	3.9	3.9	3.9	3.9	-62.4	-75.8	75.7	551.2	101.2	40.8
324	ok	0.06	0.2	3.88e-02	3.9	3.9	3.9	3.9	-73.8	-81.7	99.8	465.7	77.0	68.5
325	ok	0.06	0.2	3.79e-02	3.9	3.9	3.9	3.9	-82.0	-83.5	-13.9	384.8	58.4	67.4
326	ok	0.06	0.2	3.37e-02	3.9	3.9	3.9	3.9	-80.7	-82.8	72.8	358.5	58.3	59.1
327	ok	0.06	0.2	3.02e-02	3.9	3.9	3.9	3.9	-71.3	-69.1	47.5	-178.8	-43.6	42.9
328	ok	0.06	0.3	3.06e-02	3.9	3.9	3.9	3.9	-68.6	-52.6	61.1	-177.2	-35.8	32.7
330	ok	0.06	0.2	3.42e-02	3.9	3.9	3.9	3.9	-67.8	-41.5	87.0	-98.4	-19.3	2.7
331	ok	0.06	0.1	3.48e-02	3.9	3.9	3.9	3.9	-27.3	-97.2	68.7	-59.0	-23.2	11.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
538	ok	0.06	0.7	0.0	3.9	3.9	3.9	3.9	96.6	192.0	-38.0	17.2	255.1	108.9
539	ok	0.06	0.4	4.91e-02	3.9	3.9	3.9	3.9	-62.0	-84.0	109.0	-15.2	-85.2	-80.9
540	ok	0.06	0.4	5.28e-02	3.9	3.9	3.9	3.9	-73.6	-147.1	110.1	-1.5	-17.4	-106.6
541	ok	0.06	0.3	6.19e-02	3.9	3.9	3.9	3.9	-73.3	-216.0	107.0	385.4	81.0	-87.0
542	ok	0.06	0.3	7.03e-02	3.9	3.9	3.9	3.9	-73.7	-267.0	109.1	392.9	93.0	-79.8
543	ok	0.06	0.3	7.59e-02	3.9	3.9	3.9	3.9	-73.5	-301.2	-120.2	645.6	144.0	-135.8
544	ok	0.06	0.3	8.02e-02	3.9	3.9	3.9	3.9	-72.1	-324.0	110.0	608.7	126.4	-121.8
545	ok	0.06	0.3	8.68e-02	3.9	3.9	3.9	3.9	-73.0	-359.6	-123.1	573.8	120.6	-104.3
546	ok	0.06	0.3	9.79e-02	3.9	3.9	3.9	3.9	-66.9	-402.3	116.8	536.5	130.6	-78.3
547	ok	0.06	0.2	0.1	3.9	3.9	3.9	3.9	-82.7	-439.8	124.9	496.6	140.7	-30.1
548	ok	0.06	0.2	9.82e-02	3.9	3.9	3.9	3.9	-82.2	-411.0	131.5	465.3	120.1	19.3
549	ok	0.06	0.3	8.29e-02	3.9	3.9	3.9	3.9	-69.7	-337.8	-105.9	445.4	85.7	43.5
550	ok	0.06	0.3	6.98e-02	3.9	3.9	3.9	3.9	-71.6	-265.4	124.1	429.3	56.8	44.7
551	ok	0.06	0.3	6.25e-02	3.9	3.9	3.9	3.9	-71.6	-224.1	-110.8	410.7	51.6	33.2
552	ok	0.06	0.3	6.00e-02	3.9	3.9	3.9	3.9	-78.5	-228.5	102.9	-149.6	-31.7	57.3
553	ok	0.06	0.3	5.72e-02	3.9	3.9	3.9	3.9	-79.2	-204.9	-132.0	-177.1	-26.4	46.1
555	ok	0.06	0.3	5.36e-02	3.9	3.9	3.9	3.9	-167.5	-188.1	67.8	-145.1	80.2	-28.5
556	ok	0.06	0.6	5.64e-03	3.9	3.9	3.9	3.9	94.2	13.4	-25.3	-54.5	-108.5	18.8
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-167.48	-439.79	-131.98	-178.76	-108.50	-135.80
		0.06	0.71	0.10	3.93	3.93	3.93	3.93	96.55	191.97	131.49	714.92	255.09	108.89

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
313	ok	0.97						
314	ok	1.27						
315	ok	1.30						
316	ok	1.30						
317	ok	1.21						
318	ok	1.12						
319	ok	1.04						
320	ok	0.98						
321	ok	0.92						
322	ok	0.88						
323	ok	0.92						
324	ok	0.97						
325	ok	1.03						
326	ok	1.12						
327	ok	1.20						
328	ok	1.20						
330	ok	1.17						
331	ok	0.86						
538	ok	2.08						
539	ok	2.08						
540	ok	1.31						
541	ok	1.31						
542	ok	1.21						
543	ok	1.11						
544	ok	1.04						
545	ok	0.98						
546	ok	0.92						
547	ok	0.88						
548	ok	0.92						
549	ok	0.97						
550	ok	1.02						
551	ok	1.11						
552	ok	1.22						
553	ok	1.22						
555	ok	1.82						
556	ok	1.82						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		2.08						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
12	40.00	5	12	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
405	ok	0.05	0.3	4.89e-03	4.7	4.7	4.7	4.7	79.9	0.4	39.6	505.0	-53.0	-110.6
406	ok	0.05	0.1	2.95e-02	4.7	4.7	4.7	4.7	-174.3	-57.1	-74.4	1073.9	257.1	-70.3
407	ok	0.05	0.2	2.14e-02	4.7	4.7	4.7	4.7	-69.8	-36.0	74.5	591.3	-62.5	-181.1
408	ok	0.05	0.5	3.27e-02	4.7	4.7	4.7	4.7	16.4	-31.0	166.4	637.2	59.6	-196.9
409	ok	0.10	0.3	3.99e-02	29.6	34.7	42.4	42.4	33.6	-96.6	315.9	657.6	96.3	-371.4
410	ok	0.10	0.2	0.1	29.6	34.7	42.4	42.4	48.8	584.8	-154.8	652.5	243.6	-569.1
411	ok	0.11	0.1	0.1	29.6	35.5	42.4	42.4	-152.3	-79.8	174.6	1435.3	102.5	-487.2
412	ok	0.05	0.1	0.1	4.7	4.7	4.7	4.7	-282.9	-360.1	116.8	1603.6	522.2	-272.7
413	ok	0.05	0.3	6.81e-02	4.7	4.7	4.7	4.7	-104.7	-327.9	30.7	936.6	71.4	6.4
414	ok	0.05	0.3	5.98e-02	4.7	4.7	4.7	4.7	-55.8	-339.7	-61.6	265.4	211.0	68.7
415	ok	0.05	0.3	6.48e-02	4.7	4.7	4.7	4.7	-216.5	-312.9	-141.8	402.2	189.6	221.8
416	ok	0.11	9.06e-02	9.49e-02	29.6	35.5	42.4	42.4	-373.9	-538.9	-368.2	539.0	-118.3	261.7
417	ok	0.10	0.2	0.2	29.6	34.7	42.4	42.4	-123.1	568.0	182.1	829.4	275.8	418.1
418	ok	0.10	0.3	6.03e-02	29.6	34.7	42.4	42.4	-102.6	-192.4	-369.1	101.4	-157.2	453.5
419	ok	0.05	0.6	4.40e-02	4.7	4.7	4.7	4.7	-24.2	-58.6	-224.6	-220.3	-40.1	310.7
420	ok	0.05	0.4	2.41e-02	4.7	4.7	4.7	4.7	7.8	-31.8	-140.9	-176.0	-11.1	211.2
422	ok	0.05	0.2	1.47e-02	4.7	4.7	4.7	4.7	13.3	-52.1	-56.0	401.5	140.8	-11.0
423	ok	0.05	0.2	1.70e-02	4.7	4.7	4.7	4.7	-25.3	-100.3	35.7	463.1	-169.8	-113.2
567	ok	0.05	0.3	1.18e-02	4.7	4.7	4.7	4.7	-5.7	18.8	76.7	74.2	-582.7	-37.9
568	ok	0.05	0.4	2.28e-02	4.7	4.7	4.7	4.7	-96.2	75.1	95.3	291.9	-128.5	-394.4
569	ok	0.05	0.3	2.28e-02	4.7	4.7	4.7	4.7	-119.3	37.8	-5.3	381.1	-81.9	-477.7
570	ok	0.05	0.4	2.55e-02	4.7	4.7	4.7	4.7	-117.1	100.0	105.3	854.9	-54.9	-355.2
571	ok	0.10	0.1	4.16e-02	29.6	34.7	42.4	42.4	-81.6	408.7	170.4	1019.8	-10.3	-517.2
572	ok	0.10	0.9	0.3	29.6	34.7	42.4	42.4	13.0	-1767.1	1502.8	814.5	-74.3	-662.9
573	ok	0.17	0.6	0.2	29.6	4.7	42.4	42.4	-358.9	-1812.7	439.0	1069.3	423.1	-979.4
574	ok	0.05	0.4	0.3	4.7	4.7	4.7	4.7	-59.5	-1534.7	169.9	454.6	511.1	-582.1
575	ok	0.05	0.2	0.2	4.7	4.7	4.7	4.7	-46.0	-1456.7	52.5	608.3	403.1	-199.1
576	ok	0.05	0.2	0.3	4.7	4.7	4.7	4.7	-57.6	-1524.3	36.2	451.9	314.7	254.4
577	ok	0.05	0.2	0.3	4.7	4.7	4.7	4.7	-66.9	-1638.1	-143.9	83.3	180.8	366.7
578	ok	0.11	0.2	0.2	29.6	35.5	42.4	42.4	281.7	-1380.7	152.0	1061.4	171.4	576.4
579	ok	0.10	0.9	0.3	29.6	34.7	42.4	42.4	-58.2	-1706.2	-1477.2	395.0	-1.4	499.9
580	ok	0.10	0.2	5.32e-02	29.6	34.7	42.4	42.4	-165.4	497.2	-167.1	259.5	-28.9	489.8
581	ok	0.05	0.6	3.68e-02	4.7	4.7	4.7	4.7	-147.7	116.7	-157.9	81.8	-111.9	455.9
582	ok	0.05	0.4	2.33e-02	4.7	4.7	4.7	4.7	-49.7	26.5	-124.7	-58.1	-78.6	358.6
584	ok	0.05	0.3	1.74e-02	4.7	4.7	4.7	4.7	-38.7	-52.6	69.1	439.8	208.1	-305.9
585	ok	0.05	0.3	1.03e-02	4.7	4.7	4.7	4.7	-42.0	-42.8	31.5	207.2	366.9	-176.5
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-373.86	-1812.72	-1477.19	-220.29	-582.74	-979.35
		0.17	0.87	0.30	29.58	35.50	42.41	42.41	281.72	584.79	1502.84	1603.57	522.17	576.38

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
405	ok	0.65						
406	ok	0.78						
407	ok	0.78						
408	ok	0.68						
409	ok	0.64						
410	ok	0.68						
411	ok	0.88						
412	ok	0.88						
413	ok	0.88						
414	ok	0.65						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
415	ok	0.70						
416	ok	0.70						
417	ok	0.72						
418	ok	0.72						
419	ok	0.66						
420	ok	0.59						
422	ok	0.54						
423	ok	0.39						
567	ok	0.43						
568	ok	0.73						
569	ok	0.73						
570	ok	0.66						
571	ok	0.63						
572	ok	0.68						
573	ok	0.91						
574	ok	0.91						
575	ok	0.75						
576	ok	0.61						
577	ok	0.67						
578	ok	0.67						
579	ok	0.70						
580	ok	0.70						
581	ok	0.59						
582	ok	0.54						
584	ok	0.48						
585	ok	0.43						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		0.91						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
13	30.00	5	9	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
352	ok	0.08	0.2	2.60e-03	5.7	5.7	5.7	5.7	-2.1	26.8	3.8	-63.6	-780.4	137.1
372	ok	0.08	0.2	2.84e-03	5.7	5.7	5.7	5.7	-1.4	36.2	-5.4	-59.6	-636.5	69.8
398	ok	0.08	0.1	4.50e-03	5.7	5.7	5.7	5.7	-1.4	39.3	-0.5	-8.7	-253.8	-123.5
421	ok	0.08	8.25e-02	5.88e-03	5.7	5.7	5.7	5.7	-3.2	-31.1	4.8	-18.6	-167.0	143.1
466	ok	0.08	4.30e-02	5.34e-03	5.7	5.7	5.7	5.7	-3.2	-29.1	-1.0	-17.2	-187.3	130.6
496	ok	0.08	5.32e-02	3.60e-03	5.7	5.7	5.7	5.7	-3.8	-10.8	-0.8	-24.7	-173.9	91.7
525	ok	0.08	4.75e-02	9.92e-04	5.7	5.7	5.7	5.7	-3.1	7.5	-4.5	-32.7	-113.7	70.8
567	ok	0.08	0.2	1.28e-02	5.7	5.7	5.7	5.7	-1.3	9.7	63.8	65.2	-288.4	-9.7
568	ok	0.08	0.2	2.15e-02	5.7	5.7	5.7	5.7	-52.2	28.1	80.5	216.5	-55.3	-113.6
569	ok	0.08	0.2	1.98e-02	5.7	5.7	5.7	5.7	-55.5	53.4	32.2	209.3	-20.8	-238.1
570	ok	0.08	0.3	2.43e-02	5.7	5.7	5.7	5.7	-56.2	107.8	42.9	195.3	-34.5	-248.9
571	ok	0.13	0.2	7.49e-02	15.9	17.0	24.5	26.2	-61.4	310.5	22.7	255.5	-28.8	-283.1
572	ok	0.13	1.0	0.3	15.9	17.0	24.5	26.2	58.0	1396.6	-759.9	522.6	14.7	-313.7
573	ok	0.13	0.4	0.2	15.9	17.0	24.5	26.2	-43.9	-738.8	770.0	1162.1	194.5	-278.5
656	ok	0.08	0.2	9.37e-03	5.7	5.7	5.7	5.7	-20.5	11.7	30.1	-148.0	-644.5	94.6
657	ok	0.08	0.2	1.06e-02	5.7	5.7	5.7	5.7	-19.2	30.8	26.4	-54.9	-326.4	-26.1
658	ok	0.08	0.2	1.09e-02	5.7	5.7	5.7	5.7	-38.8	60.8	20.0	34.9	-143.8	-207.4
659	ok	0.08	0.3	1.05e-02	5.7	5.7	5.7	5.7	-30.6	110.0	-28.1	174.7	-51.2	-195.0
660	ok	0.13	0.3	1.29e-02	15.9	17.0	24.5	26.2	121.3	307.5	-282.0	272.6	-25.5	-162.1
661	ok	0.13	0.4	0.1	15.9	17.0	24.5	26.2	-303.3	538.9	363.4	419.5	59.2	-86.9
662	ok	0.13	0.4	3.66e-02	15.9	17.0	24.5	26.2	147.5	224.2	-395.8	433.0	-37.9	48.7
741	ok	0.08	0.2	5.19e-03	5.7	5.7	5.7	5.7	-12.7	11.7	18.3	-129.4	-780.1	80.1
742	ok	0.08	0.2	3.89e-03	5.7	5.7	5.7	5.7	-13.8	24.6	6.7	-96.4	-520.7	-18.6
743	ok	0.08	0.1	4.49e-03	5.7	5.7	5.7	5.7	-10.4	41.8	1.5	-4.9	-220.7	-195.1
744	ok	0.08	0.2	4.40e-03	5.7	5.7	5.7	5.7	-4.0	45.2	-19.3	19.3	-131.5	-198.2

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
745	ok	0.08	0.2	5.72e-03	5.7	5.7	5.7	5.7	4.6	40.0	-18.9	57.4	42.6	-162.3
746	ok	0.08	0.1	7.67e-03	5.7	5.7	5.7	5.7	-1.6	-27.3	-8.2	114.0	57.9	-92.2
747	ok	0.08	4.85e-02	7.23e-03	5.7	5.7	5.7	5.7	-24.8	-25.5	-8.2	160.0	-35.9	42.5
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N z**	**N o**	**N zo**	**M z**	**M o**	**M zo**
									-303.30	-738.79	-759.85	-147.96	-780.45	-313.74
		0.13	0.96	0.27	15.94	16.96	24.50	26.22	147.46	1396.59	769.98	1162.07	194.51	143.15

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
352	ok	0.87						
372	ok	0.87						
398	ok	0.73						
421	ok	0.58						
466	ok	0.41						
496	ok	0.25						
525	ok	0.09						
567	ok	0.36						
568	ok	0.36						
569	ok	0.23						
570	ok	0.21						
571	ok	0.21						
572	ok	0.49						
573	ok	0.49						
656	ok	0.33						
657	ok	0.33						
658	ok	0.24						
659	ok	0.21						
660	ok	0.25						
661	ok	0.48						
662	ok	0.48						
741	ok	0.28						
742	ok	0.28						
743	ok	0.17						
744	ok	0.17						
745	ok	0.18						
746	ok	0.25						
747	ok	0.25						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		0.87						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	70.00	5	8	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
15	ok	0.04	1.17e-02	3.07e-04	10.1	10.1	10.1	10.1	1.5	2.2	-0.6	-52.8	-137.6	115.9
16	ok	0.04	2.38e-02	1.56e-04	10.1	10.1	10.1	10.1	5.6	5.2	-1.5	6.4	-27.8	-22.2
17	ok	0.04	3.58e-02	1.98e-03	10.1	10.1	10.1	10.1	-5.2	0.2	-0.8	800.5	326.9	-347.0
18	ok	0.04	3.68e-02	3.18e-03	10.1	10.1	10.1	10.1	-25.4	-2.6	-8.3	1174.2	-52.4	232.4
19	ok	0.04	8.00e-02	9.22e-03	10.1	10.1	10.1	10.1	-36.4	-4.0	-0.8	2120.2	-82.7	59.7
20	ok	0.04	7.52e-02	1.09e-02	10.1	10.1	10.1	10.1	-120.3	-2.4	8.2	2074.9	-48.1	273.4
21	ok	0.04	6.16e-02	1.34e-02	10.1	10.1	10.1	10.1	-107.8	0.2	8.8	1144.6	159.9	186.3
22	ok	0.04	5.14e-02	1.80e-02	10.1	10.1	10.1	10.1	-203.6	-3.0	-8.1	1120.5	108.9	231.1
23	ok	0.04	0.1	3.17e-03	10.1	10.1	10.1	10.1	45.8	0.6	2.3	-1139.9	-74.3	-153.4
24	ok	0.04	6.67e-02	1.17e-02	10.1	10.1	10.1	10.1	6.5	2.3	-3.4	-1099.8	-12.7	-375.6
25	ok	0.04	0.1	6.36e-04	10.1	10.1	10.1	10.1	50.5	-0.2	4.4	-1464.4	-76.4	-281.8

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
26	ok	0.04	8.38e-02	1.83e-02	10.1	10.1	10.1	10.1	-205.7	-8.3	18.1	882.3	-286.6	655.0
27	ok	0.04	0.1	8.36e-04	10.1	10.1	10.1	10.1	43.8	0.4	-1.1	-1114.9	-78.2	-429.2
28	ok	0.04	0.1	3.69e-02	10.1	10.1	10.1	10.1	-264.4	3.3	31.2	-2389.5	-227.4	749.1
29	ok	0.04	6.20e-02	5.86e-03	10.1	10.1	10.1	10.1	-51.7	-6.04e-02	-1.5	956.9	129.4	-337.3
30	ok	0.04	0.2	5.09e-02	10.1	10.1	10.1	10.1	-536.6	6.7	6.9	-6615.2	479.3	857.4
31	ok	0.04	8.79e-02	7.78e-03	10.1	10.1	10.1	10.1	-65.4	-3.5	-0.4	1743.6	-90.1	-210.9
32	ok	0.04	0.2	4.76e-02	10.1	10.1	10.1	10.1	-500.7	-7.0	16.8	-7858.4	289.0	536.5
33	ok	0.04	8.02e-02	6.86e-03	10.1	10.1	10.1	10.1	36.5	2.3	0.4	-369.7	-89.2	397.2
34	ok	0.04	0.2	6.41e-02	10.1	10.1	10.1	10.1	-626.7	-13.4	21.6	-9525.9	4.1	-190.8
35	ok	0.04	0.1	5.67e-04	10.1	10.1	10.1	10.1	58.8	-0.6	4.6	-1525.9	-91.8	242.0
36	ok	0.04	4.35e-02	1.70e-03	10.1	10.1	10.1	10.1	-1.3	-16.7	2.2	207.8	1436.8	-363.7
37	ok	0.04	0.2	6.94e-03	10.1	10.1	10.1	10.1	-11.0	-24.8	-6.6	1894.5	1883.1	-2413.3
38	ok	0.04	0.2	1.63e-02	10.1	10.1	10.1	10.1	-71.4	-5.2	-12.8	1029.2	-4536.0	1132.3
39	ok	0.04	0.3	1.32e-02	10.1	10.1	10.1	10.1	-17.4	-9.6	0.4	2474.9	2819.3	2641.7
40	ok	0.04	0.2	6.88e-03	10.1	10.1	10.1	10.1	3.5	1.6	-1.8	-753.1	2918.4	1383.6
41	ok	0.04	0.2	2.94e-03	10.1	10.1	10.1	10.1	21.4	12.7	10.9	-989.3	3332.8	308.8
42	ok	0.04	0.2	3.61e-03	10.1	10.1	10.1	10.1	41.1	13.8	5.8	-709.6	3577.7	-1092.6
43	ok	0.04	0.3	8.19e-03	10.1	10.1	10.1	10.1	1.4	19.0	5.33e-02	3013.5	3378.8	-2480.2
44	ok	0.04	0.2	1.15e-02	10.1	10.1	10.1	10.1	-106.3	-34.0	17.8	622.1	-3480.9	1798.3
45	ok	0.04	0.3	7.74e-03	10.1	10.1	10.1	10.1	-10.4	2.5	-0.2	1770.3	4323.7	2676.4
46	ok	0.04	0.2	3.43e-03	10.1	10.1	10.1	10.1	10.0	3.1	17.2	-994.2	3500.3	907.9
47	ok	0.04	0.2	4.74e-03	10.1	10.1	10.1	10.1	69.5	16.6	-11.1	-1081.2	3304.7	-1296.5
48	ok	0.04	0.3	9.51e-03	10.1	10.1	10.1	10.1	-2.2	-0.8	24.4	1659.9	4047.5	-2725.9
49	ok	0.04	0.2	1.35e-02	10.1	10.1	10.1	10.1	-7.4	0.2	0.3	804.8	-4511.7	-605.1
50	ok	0.04	0.3	6.16e-03	10.1	10.1	10.1	10.1	2.4	24.8	-24.7	2760.0	2931.4	2416.4
51	ok	0.04	0.2	3.10e-03	10.1	10.1	10.1	10.1	42.0	20.2	-12.1	-1025.7	2811.8	1142.7
52	ok	0.04	0.2	1.31e-03	10.1	10.1	10.1	10.1	72.6	9.7	-9.7	-1522.4	2316.3	191.8
54	ok	0.04	0.3	1.78e-03	10.1	10.1	10.1	10.1	83.7	20.2	-0.1	-1894.3	1853.4	-588.5
55	ok	0.04	0.3	6.09e-03	10.1	10.1	10.1	10.1	80.1	11.9	37.0	-1917.7	-655.9	-2201.7
56	ok	0.04	0.2	1.20e-02	10.1	10.1	10.1	10.1	-6.4	-3.7	-15.5	1191.3	-4436.9	-968.5
57	ok	0.04	0.2	6.57e-03	10.1	10.1	10.1	10.1	-8.27e-02	-0.9	13.7	1481.0	1092.5	1569.4
58	ok	0.04	2.95e-02	1.76e-03	10.1	10.1	10.1	10.1	-0.3	-15.2	0.4	120.4	1051.2	233.9
59	ok	0.04	0.1	1.01e-02	10.1	10.1	10.1	10.1	-5.5	-64.6	-4.3	-64.8	3737.9	70.4
60	ok	0.04	0.2	1.83e-02	10.1	10.1	10.1	10.1	-0.7	-119.1	-5.3	-3906.1	3093.9	1874.4
61	ok	0.04	0.9	3.39e-02	10.1	10.1	10.1	10.1	21.3	-113.3	-33.4	1.421e+04	1.468e+04	2784.6
62	ok	0.04	0.4	2.42e-02	10.1	10.1	10.1	10.1	-64.4	13.5	16.0	-1246.0	6519.5	2578.1
63	ok	0.04	0.2	1.17e-02	10.1	10.1	10.1	10.1	-29.5	-40.6	-33.0	-1628.3	4851.4	1302.8
64	ok	0.04	0.2	7.75e-03	10.1	10.1	10.1	10.1	-21.8	-2.1	-9.1	-1887.9	4676.1	686.2
65	ok	0.04	0.3	9.60e-03	10.1	10.1	10.1	10.1	32.2	31.6	25.2	-1610.4	5795.2	-193.3
66	ok	0.04	0.5	1.93e-02	10.1	10.1	10.1	10.1	31.4	17.0	14.6	1526.6	1.014e+04	-688.8
67	ok	0.04	0.9	2.65e-02	10.1	10.1	10.1	10.1	-47.3	-110.4	53.5	1.456e+04	1.905e+04	1918.8
68	ok	0.04	0.4	1.61e-02	10.1	10.1	10.1	10.1	-25.2	-16.5	15.6	-2263.1	7640.7	1574.4
69	ok	0.04	0.2	8.59e-03	10.1	10.1	10.1	10.1	-35.9	-30.0	-1.7	-2224.1	5220.0	577.1
70	ok	0.04	0.3	9.73e-03	10.1	10.1	10.1	10.1	-26.8	-37.4	24.7	-2142.5	5375.7	-771.5
71	ok	0.04	0.4	2.03e-02	10.1	10.1	10.1	10.1	60.8	29.1	22.0	-2275.5	7409.4	-1747.3
72	ok	0.04	0.8	2.66e-02	10.1	10.1	10.1	10.1	37.0	-1.4	-1.3	1.449e+04	1.861e+04	-2053.5
73	ok	0.04	0.4	1.57e-02	10.1	10.1	10.1	10.1	20.5	53.4	-54.6	1326.0	9579.4	420.8
74	ok	0.04	0.2	7.43e-03	10.1	10.1	10.1	10.1	0.9	17.2	-20.2	-1927.1	4517.6	-386.1
75	ok	0.04	0.2	5.14e-03	10.1	10.1	10.1	10.1	3.0	1.3	-4.3	-2475.0	2736.1	-679.0
77	ok	0.04	0.2	7.24e-03	10.1	10.1	10.1	10.1	-0.9	-35.1	-2.1	-2832.7	2057.9	-948.2
78	ok	0.04	0.4	2.03e-02	10.1	10.1	10.1	10.1	65.1	-9.9	24.0	-5066.1	2865.5	-1906.5
79	ok	0.04	0.8	3.52e-02	10.1	10.1	10.1	10.1	-21.0	-25.2	-17.7	1.364e+04	1.327e+04	-1945.8
80	ok	0.04	0.2	1.67e-02	10.1	10.1	10.1	10.1	-4.0	-47.5	-16.7	-3204.4	2265.4	-1132.3
81	ok	0.04	9.85e-02	1.12e-02	10.1	10.1	10.1	10.1	-4.9	-72.9	1.8	-107.1	2770.6	-178.0
82	ok	0.04	0.3	2.53e-02	10.1	10.1	10.1	10.1	62.3	-38.9	-110.6	4524.3	1369.1	2481.3
83	ok	0.04	0.2	1.63e-02	10.1	10.1	10.1	10.1	-18.7	-93.1	6.2	4362.5	3723.9	849.6
84	ok	0.04	0.3	1.74e-02	10.1	10.1	10.1	10.1	-1.5	-80.9	8.1	4263.4	3429.6	-1185.4
85	ok	0.04	0.3	2.81e-02	10.1	10.1	10.1	10.1	7.6	-26.4	19.7	3645.0	-1937.7	-1358.2
86	ok	0.04	6.07e-02	1.31e-02	10.1	10.1	10.1	10.1	0.9	-121.9	15.2	123.8	1453.0	295.4
87	ok	0.04	0.3	1.44e-02	10.1	10.1	10.1	10.1	-51.0	-40.9	-1.2	1797.6	1712.2	3952.5
88	ok	0.04	0.2	2.22e-02	10.1	10.1	10.1	10.1	-45.3	-74.4	-83.5	2797.5	3893.2	-613.3
89	ok	0.04	0.2	1.60e-02	10.1	10.1	10.1	10.1	-31.4	-49.9	-50.1	-1453.0	2900.8	533.9
90	ok	0.04	0.2	1.14e-02	10.1	10.1	10.1	10.1	-33.7	-37.3	-17.0	-2253.8	2718.2	1084.8
91	ok	0.04	0.2	1.17e-02	10.1	10.1	10.1	10.1	-39.3	-68.5	16.4	-1267.9	3706.4	1766.4
92	ok	0.04	0.3	1.65e-02	10.1	10.1	10.1	10.1	-42.5	-82.9	34.3	3282.9	4984.3	2834.8

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
93	ok	0.04	0.3	1.53e-02	10.1	10.1	10.1	10.1	-53.8	-72.0	-27.6	1961.3	5540.6	-2186.7
94	ok	0.04	0.2	9.75e-03	10.1	10.1	10.1	10.1	43.5	18.9	-0.3	-2309.1	3031.3	-702.6
95	ok	0.04	0.2	1.32e-02	10.1	10.1	10.1	10.1	-41.6	-54.4	27.1	-1888.6	3561.2	174.9
96	ok	0.04	0.3	1.70e-02	10.1	10.1	10.1	10.1	-37.2	-64.9	46.6	1947.0	5383.1	2027.1
97	ok	0.04	0.3	1.54e-02	10.1	10.1	10.1	10.1	45.9	10.1	-7.0	3230.4	4537.7	-3053.9
98	ok	0.04	0.2	8.31e-03	10.1	10.1	10.1	10.1	-22.8	-44.2	-14.4	-1437.2	3078.8	-2170.9
99	ok	0.04	0.2	8.90e-03	10.1	10.1	10.1	10.1	-24.9	-11.5	7.1	-2646.3	1663.9	-1466.6
101	ok	0.04	0.2	1.20e-02	10.1	10.1	10.1	10.1	-32.1	-26.3	24.6	-2488.9	1163.7	-1073.6
102	ok	0.04	0.2	2.54e-02	10.1	10.1	10.1	10.1	21.9	-1.9	31.1	211.4	1606.0	1219.5
103	ok	0.04	0.2	1.85e-02	10.1	10.1	10.1	10.1	2.0	-18.4	-18.1	1868.9	1687.5	-2859.3
104	ok	0.04	4.68e-02	1.69e-02	10.1	10.1	10.1	10.1	0.9	-137.6	-11.9	126.4	954.3	-309.7
105	ok	0.04	0.2	9.11e-04	10.1	10.1	10.1	10.1	1.0	70.9	-9.8	-94.5	-1995.4	298.4
106	ok	0.04	0.3	6.84e-03	10.1	10.1	10.1	10.1	-31.2	39.5	-40.5	716.5	-1924.8	2674.6
107	ok	0.04	0.2	1.42e-02	10.1	10.1	10.1	10.1	-76.7	-64.0	-87.2	509.4	-2659.1	2603.4
108	ok	0.04	0.2	1.77e-02	10.1	10.1	10.1	10.1	-4.1	-125.3	-86.8	-638.8	-2782.9	1441.3
109	ok	0.04	0.1	1.55e-02	10.1	10.1	10.1	10.1	-49.1	-128.9	-67.1	-1932.0	-2445.2	1271.1
110	ok	0.04	0.2	1.32e-02	10.1	10.1	10.1	10.1	-63.0	-121.5	-37.1	-2417.9	-2254.8	1642.7
111	ok	0.04	0.2	1.20e-02	10.1	10.1	10.1	10.1	-65.7	-124.0	-8.2	-1914.3	-2270.1	1991.4
112	ok	0.04	0.2	1.31e-02	10.1	10.1	10.1	10.1	-34.4	-80.8	-7.1	-655.8	-2682.0	1511.2
113	ok	0.04	0.2	1.36e-02	10.1	10.1	10.1	10.1	-30.3	-82.3	-3.4	-165.3	-2780.9	436.0
114	ok	0.04	0.2	1.23e-02	10.1	10.1	10.1	10.1	41.9	17.0	3.3	-1332.9	-2773.6	-720.5
115	ok	0.04	0.2	1.02e-02	10.1	10.1	10.1	10.1	46.1	19.6	1.3	-2567.0	-2418.7	-465.4
116	ok	0.04	0.2	1.19e-02	10.1	10.1	10.1	10.1	51.7	21.9	-7.0	-2538.8	-2311.8	309.3
117	ok	0.04	0.2	1.34e-02	10.1	10.1	10.1	10.1	52.9	22.9	-16.2	-1389.9	-2465.6	520.6
118	ok	0.04	0.2	1.35e-02	10.1	10.1	10.1	10.1	23.7	-10.4	-13.3	294.6	-2886.0	-723.9
119	ok	0.04	0.2	1.14e-02	10.1	10.1	10.1	10.1	41.7	8.9	-17.7	-594.4	-2742.9	-1870.0
120	ok	0.04	0.2	9.79e-03	10.1	10.1	10.1	10.1	-26.6	-50.7	1.1	-2178.8	-2239.9	-2104.6
121	ok	0.04	0.2	1.02e-02	10.1	10.1	10.1	10.1	-28.4	-37.8	12.0	-2796.4	-1947.9	-1809.0
123	ok	0.04	0.1	1.10e-02	10.1	10.1	10.1	10.1	-20.3	-31.0	12.2	-2245.0	-1575.3	-1410.1
124	ok	0.04	0.2	1.92e-02	10.1	10.1	10.1	10.1	-51.6	-60.3	23.1	-735.0	-1177.8	-882.9
125	ok	0.04	0.1	1.58e-02	10.1	10.1	10.1	10.1	9.4	41.1	9.8	1487.2	-1253.7	-828.9
126	ok	0.04	0.1	9.16e-03	10.1	10.1	10.1	10.1	4.6	38.2	-8.0	689.0	-890.6	-1121.3
127	ok	0.04	7.27e-02	4.41e-03	10.1	10.1	10.1	10.1	-2.6	-45.8	-11.9	1.9	-809.6	-233.4
128	ok	0.04	0.4	4.90e-04	10.1	10.1	10.1	10.1	-6.0	207.4	-2.3	-44.9	-3918.2	212.6
129	ok	0.04	0.4	3.28e-03	10.1	10.1	10.1	10.1	-22.2	140.3	-53.5	350.9	-3878.8	1846.0
130	ok	0.04	0.3	1.21e-02	10.1	10.1	10.1	10.1	10.1	-77.0	-85.4	-1265.2	-5690.4	2055.0
131	ok	0.04	0.3	1.58e-02	10.1	10.1	10.1	10.1	-2.1	-151.5	-74.5	-1982.6	-6306.4	1657.7
132	ok	0.04	0.3	1.52e-02	10.1	10.1	10.1	10.1	-26.6	-156.1	-40.9	-2475.3	-5893.3	1606.5
133	ok	0.04	0.3	1.37e-02	10.1	10.1	10.1	10.1	-50.5	-143.2	-17.3	-2801.8	-5608.4	1647.0
134	ok	0.04	0.3	1.31e-02	10.1	10.1	10.1	10.1	-32.5	-83.5	5.9	-2573.0	-6096.6	1376.5
135	ok	0.04	0.3	1.32e-02	10.1	10.1	10.1	10.1	-39.7	-77.9	2.0	-2172.8	-6565.5	1061.1
136	ok	0.04	0.3	1.31e-02	10.1	10.1	10.1	10.1	36.2	19.6	2.0	-2009.7	-7210.4	291.0
137	ok	0.04	0.3	1.26e-02	10.1	10.1	10.1	10.1	43.0	19.6	-1.0	-2432.1	-6776.8	-145.0
138	ok	0.04	0.3	1.20e-02	10.1	10.1	10.1	10.1	50.8	20.2	3.3	-2973.4	-6249.0	-200.9
139	ok	0.04	0.3	1.22e-02	10.1	10.1	10.1	10.1	52.0	21.3	-4.3	-2947.3	-6218.9	-114.3
140	ok	0.04	0.3	1.27e-02	10.1	10.1	10.1	10.1	42.8	14.9	-3.6	-2212.8	-6721.6	-307.8
141	ok	0.04	0.3	1.24e-02	10.1	10.1	10.1	10.1	36.9	15.8	-9.3	-1831.4	-6972.9	-715.6
142	ok	0.04	0.3	1.15e-02	10.1	10.1	10.1	10.1	38.7	18.1	-15.6	-2008.9	-6554.7	-1163.6
143	ok	0.04	0.3	1.03e-02	10.1	10.1	10.1	10.1	-24.2	-57.2	-3.0	-2705.2	-5453.5	-1441.3
144	ok	0.04	0.3	9.20e-03	10.1	10.1	10.1	10.1	-13.9	-49.6	11.8	-3021.6	-4521.8	-1258.9
146	ok	0.04	0.2	9.93e-03	10.1	10.1	10.1	10.1	-44.7	-67.2	43.1	-2305.9	-3253.9	-1128.7
147	ok	0.04	0.2	1.58e-02	10.1	10.1	10.1	10.1	-88.8	-32.4	114.2	-515.4	-2057.3	-831.1
148	ok	0.04	0.2	1.12e-02	10.1	10.1	10.1	10.1	7.1	53.1	12.0	850.9	-1453.6	-528.1
149	ok	0.04	0.1	5.84e-03	10.1	10.1	10.1	10.1	3.4	52.2	1.0	713.9	-953.5	-513.5
150	ok	0.04	9.47e-02	1.05e-03	10.1	10.1	10.1	10.1	-2.8	5.8	-3.0	-32.6	-953.0	-152.0
151	ok	0.04	0.6	9.39e-04	10.1	10.1	10.1	10.1	20.7	266.8	7.0	-46.8	-5562.1	251.9
152	ok	0.04	0.5	8.34e-03	10.1	10.1	10.1	10.1	6.6	174.4	-126.0	-574.6	-5842.0	1478.5
153	ok	0.04	0.3	1.50e-02	10.1	10.1	10.1	10.1	29.9	-103.8	-86.3	-870.6	-5055.0	1803.0
154	ok	0.04	0.2	1.81e-02	10.1	10.1	10.1	10.1	-7.1	-175.0	-22.8	-1469.8	-4117.8	2139.7
155	ok	0.04	0.2	1.58e-02	10.1	10.1	10.1	10.1	-54.3	-162.7	-3.2	-2360.0	-3488.5	1910.6
156	ok	0.04	0.2	1.39e-02	10.1	10.1	10.1	10.1	-73.5	-141.6	5.0	-2706.4	-3370.7	1489.4
157	ok	0.04	0.2	1.34e-02	10.1	10.1	10.1	10.1	-88.2	-139.1	-1.5	-2454.3	-3570.6	1121.3
158	ok	0.04	0.2	1.36e-02	10.1	10.1	10.1	10.1	-93.8	-141.9	-2.2	-1988.7	-3925.0	935.1
159	ok	0.04	0.2	1.36e-02	10.1	10.1	10.1	10.1	-46.6	-85.8	-2.0	-1871.2	-4385.3	674.2
160	ok	0.04	0.2	1.32e-02	10.1	10.1	10.1	10.1	45.2	20.5	2.6	-2221.4	-4600.9	362.0
161	ok	0.04	0.2	1.28e-02	10.1	10.1	10.1	10.1	46.5	24.4	0.9	-2785.7	-4310.5	68.0

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
162	ok	0.04	0.2	1.28e-02	10.1	10.1	10.1	10.1	46.6	25.6	-2.0	-2716.3	-4265.4	-312.8
163	ok	0.04	0.2	1.29e-02	10.1	10.1	10.1	10.1	45.4	24.7	-3.5	-2153.3	-4402.9	-508.9
164	ok	0.04	0.2	1.25e-02	10.1	10.1	10.1	10.1	47.5	28.5	-2.9	-1830.7	-4440.6	-398.1
165	ok	0.04	0.2	1.16e-02	10.1	10.1	10.1	10.1	-32.1	-54.7	10.8	-2090.6	-3897.2	-335.1
166	ok	0.04	0.2	1.05e-02	10.1	10.1	10.1	10.1	-25.5	-35.7	10.5	-2655.9	-3294.2	-369.9
167	ok	0.04	0.2	9.33e-03	10.1	10.1	10.1	10.1	-26.4	-21.2	9.4	-2747.1	-2565.1	-407.9
169	ok	0.04	0.2	8.05e-03	10.1	10.1	10.1	10.1	-54.5	-46.1	22.3	-2018.9	-1701.5	-564.6
170	ok	0.04	0.2	9.34e-03	10.1	10.1	10.1	10.1	10.4	68.9	3.1	834.6	-1286.4	-285.6
171	ok	0.04	0.1	8.17e-03	10.1	10.1	10.1	10.1	9.3	56.3	9.5	941.5	-1301.2	-186.7
172	ok	0.04	0.1	4.36e-03	10.1	10.1	10.1	10.1	3.9	54.6	12.9	649.6	-975.0	-149.6
173	ok	0.04	0.1	4.32e-04	10.1	10.1	10.1	10.1	-2.0	27.6	8.6	-31.2	-1015.8	-89.6
174	ok	0.06	0.8	2.00e-03	20.1	23.5	10.1	10.1	52.7	268.5	125.2	1113.7	-1.183e+04	1309.6
175	ok	0.06	1.0	3.68e-02	20.1	23.5	10.1	10.1	-421.5	349.4	-50.9	-6423.2	-1.280e+04	6021.6
176	ok	0.06	0.2	3.39e-02	20.1	23.5	10.1	10.1	35.8	-310.6	-124.5	2483.2	-3089.2	4794.4
177	ok	0.04	0.1	2.19e-02	10.1	10.1	10.1	10.1	-96.9	-205.2	29.2	-1526.9	-1186.0	3491.4
178	ok	0.04	0.1	1.60e-02	10.1	10.1	10.1	10.1	-125.2	-158.1	17.3	-2609.5	-807.3	2466.8
179	ok	0.04	0.2	1.34e-02	10.1	10.1	10.1	10.1	-119.0	-138.0	4.9	-2980.6	-827.5	1541.6
180	ok	0.04	0.1	1.34e-02	10.1	10.1	10.1	10.1	-113.2	-135.4	-1.6	-2384.9	-1150.3	782.9
181	ok	0.04	0.1	1.40e-02	10.1	10.1	10.1	10.1	41.6	19.4	-1.1	-1014.9	-2534.7	-197.3
182	ok	0.04	0.2	1.43e-02	10.1	10.1	10.1	10.1	-48.2	-88.8	-3.9	-1177.7	-2197.2	858.9
183	ok	0.04	0.2	1.39e-02	10.1	10.1	10.1	10.1	45.9	22.2	2.1	-1934.9	-2361.2	777.7
184	ok	0.04	0.2	1.33e-02	10.1	10.1	10.1	10.1	48.2	26.6	0.2	-2908.4	-2160.5	279.8
185	ok	0.04	0.2	1.32e-02	10.1	10.1	10.1	10.1	48.0	27.9	-1.2	-2807.6	-2107.3	-443.0
186	ok	0.04	0.2	1.31e-02	10.1	10.1	10.1	10.1	46.3	29.4	-5.8	-1721.9	-2235.5	-995.1
187	ok	0.04	0.2	1.30e-02	10.1	10.1	10.1	10.1	43.5	30.5	-5.8	-691.9	-2464.4	-689.9
188	ok	0.04	0.1	1.18e-02	10.1	10.1	10.1	10.1	45.1	36.1	7.6	-1176.5	-2144.3	392.2
189	ok	0.04	0.2	1.06e-02	10.1	10.1	10.1	10.1	39.4	44.6	4.2	-2044.4	-1505.7	658.9
190	ok	0.04	0.2	9.65e-03	10.1	10.1	10.1	10.1	36.3	52.9	0.9	-2412.2	-1046.2	402.8
192	ok	0.04	0.1	8.37e-03	10.1	10.1	10.1	10.1	-66.8	-56.9	10.8	-2008.0	-778.4	-775.0
193	ok	0.04	0.2	9.58e-03	10.1	10.1	10.1	10.1	-47.6	-25.4	19.5	-381.1	-1064.0	-1198.5
194	ok	0.04	0.2	9.14e-03	10.1	10.1	10.1	10.1	3.5	54.9	19.3	1421.8	-1552.3	-468.5
195	ok	0.04	0.1	4.32e-03	10.1	10.1	10.1	10.1	6.0	50.6	22.6	720.1	-922.8	474.3
196	ok	0.04	0.1	4.55e-04	10.1	10.1	10.1	10.1	-2.05e-02	52.8	-2.1	-3.1	-1040.8	45.0
197	ok	0.06	0.2	0.1	20.1	23.5	20.1	23.5	-100.1	-1260.2	-285.8	-2331.5	2.244e+04	-1003.9
198	ok	0.06	0.9	0.2	20.1	23.5	20.1	23.5	-388.3	-2129.4	-1303.7	1.119e+04	2.827e+04	7494.5
199	ok	0.06	0.3	6.93e-02	20.1	23.5	20.1	23.5	-385.3	-483.0	-117.5	-4977.6	7902.3	4850.4
200	ok	0.04	0.2	2.75e-02	10.1	10.1	10.1	10.1	-279.7	-194.7	-29.8	-2205.1	3339.5	2963.1
201	ok	0.04	0.2	1.92e-02	10.1	10.1	10.1	10.1	-196.4	-135.4	-23.5	-2851.7	2580.2	2245.3
202	ok	0.04	0.2	1.59e-02	10.1	10.1	10.1	10.1	-144.9	-131.6	-25.2	-3412.2	1963.4	1266.6
203	ok	0.04	0.2	1.56e-02	10.1	10.1	10.1	10.1	-127.0	-146.4	-24.5	-2253.8	2249.8	212.5
204	ok	0.04	0.2	1.56e-02	10.1	10.1	10.1	10.1	16.1	8.35e-02	-10.0	2095.8	1015.7	-1199.6
205	ok	0.04	0.1	1.89e-02	10.1	10.1	10.1	10.1	-160.0	-154.3	5.7	421.1	1690.2	1476.5
206	ok	0.04	0.2	1.50e-02	10.1	10.1	10.1	10.1	-133.2	-147.2	-17.2	-2482.3	1329.8	1654.6
207	ok	0.04	0.2	1.39e-02	10.1	10.1	10.1	10.1	-112.7	-143.3	-4.7	-4105.2	929.6	605.4
208	ok	0.04	0.2	1.37e-02	10.1	10.1	10.1	10.1	-107.2	-137.2	-0.3	-3739.0	997.9	-527.3
209	ok	0.04	0.2	1.42e-02	10.1	10.1	10.1	10.1	-116.0	-130.4	14.2	-2432.1	995.4	-1337.7
210	ok	0.04	0.1	1.74e-02	10.1	10.1	10.1	10.1	19.4	19.4	0.4	698.9	-1796.1	-960.5
211	ok	0.04	0.2	1.26e-02	10.1	10.1	10.1	10.1	17.5	14.4	-0.1	1834.1	818.1	1202.8
212	ok	0.04	0.2	1.13e-02	10.1	10.1	10.1	10.1	-95.1	-90.2	19.5	-2187.6	1038.6	631.2
213	ok	0.04	0.2	1.03e-02	10.1	10.1	10.1	10.1	-37.8	-40.2	8.2	-2958.5	-472.8	-303.2
215	ok	0.04	0.2	1.04e-02	10.1	10.1	10.1	10.1	-92.6	-60.4	21.9	-2729.4	-231.6	-1012.2
216	ok	0.04	0.2	1.38e-02	10.1	10.1	10.1	10.1	20.0	18.1	-0.5	1400.1	1394.3	-2568.3
217	ok	0.04	0.3	1.43e-02	10.1	10.1	10.1	10.1	21.8	57.2	8.0	3928.9	-3362.7	-846.3
218	ok	0.04	0.2	6.36e-03	10.1	10.1	10.1	10.1	8.1	33.7	28.5	1671.4	1622.3	1873.0
219	ok	0.04	9.22e-02	4.44e-03	10.1	10.1	10.1	10.1	-0.2	23.9	0.9	87.2	504.8	101.0
220	ok	0.06	0.2	0.1	20.1	23.5	20.1	23.5	-63.9	-908.2	237.0	-1494.4	2.012e+04	1673.7
221	ok	0.06	0.6	0.2	20.1	23.5	20.1	23.5	73.8	-2248.1	-1106.2	8704.8	1.878e+04	-2192.5
222	ok	0.06	0.2	9.55e-02	20.1	23.5	20.1	23.5	-300.1	-599.2	35.3	7451.1	1.192e+04	-4840.1
223	ok	0.04	0.2	3.49e-02	10.1	10.1	10.1	10.1	-247.2	-84.8	-183.4	-1936.8	4958.4	1193.1
224	ok	0.04	0.2	2.19e-02	10.1	10.1	10.1	10.1	-123.5	-165.3	-55.2	-3839.7	2963.2	823.6
225	ok	0.04	0.3	1.81e-02	10.1	10.1	10.1	10.1	-93.2	-144.4	-55.7	-4377.6	2005.7	1191.5
226	ok	0.04	0.2	1.86e-02	10.1	10.1	10.1	10.1	-92.9	-149.7	-54.2	-3790.9	2779.7	1269.3
227	ok	0.04	0.3	2.10e-02	10.1	10.1	10.1	10.1	-94.9	-79.1	-43.3	1590.6	6504.1	1213.2
228	ok	0.04	0.4	2.49e-02	10.1	10.1	10.1	10.1	-169.0	-165.7	-62.5	6455.0	9811.5	1354.0
229	ok	0.04	0.2	1.90e-02	10.1	10.1	10.1	10.1	-117.0	-152.8	-58.4	-3594.7	2701.3	664.9
230	ok	0.04	0.3	1.63e-02	10.1	10.1	10.1	10.1	-92.2	-152.9	-8.04e-	-4933.2	1184.6	-167.6

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
											02			
231	ok	0.04	0.3	1.59e-02	10.1	10.1	10.1	10.1	-95.6	-148.0	-18.0	-4574.2	1385.1	-206.7
232	ok	0.04	0.3	1.78e-02	10.1	10.1	10.1	10.1	-106.5	-146.1	-54.6	-3324.5	2826.9	-394.7
233	ok	0.04	0.4	2.43e-02	10.1	10.1	10.1	10.1	-104.9	-80.9	27.2	7110.9	9213.1	-1194.1
234	ok	0.04	0.3	1.61e-02	10.1	10.1	10.1	10.1	-77.9	-57.9	26.6	2030.9	6095.6	-1209.1
235	ok	0.04	0.2	1.30e-02	10.1	10.1	10.1	10.1	-27.9	-43.7	16.9	-2572.1	2047.7	-1005.1
236	ok	0.04	0.2	1.02e-02	10.1	10.1	10.1	10.1	-19.7	-57.0	3.6	-3483.7	-910.0	-762.9
238	ok	0.04	0.2	1.27e-02	10.1	10.1	10.1	10.1	-87.0	-89.8	54.1	-3189.1	-793.1	-816.3
239	ok	0.04	0.3	1.94e-02	10.1	10.1	10.1	10.1	-90.9	-29.3	-12.4	-6107.5	705.2	414.7
240	ok	0.04	0.7	2.89e-02	10.1	10.1	10.1	10.1	13.5	61.2	29.4	1.523e+04	1.217e+04	-1633.0
241	ok	0.04	0.2	9.80e-03	10.1	10.1	10.1	10.1	2.9	19.0	3.7	-3227.7	1253.2	-751.2
242	ok	0.04	0.1	3.27e-03	10.1	10.1	10.1	10.1	0.1	17.2	-2.9	28.2	1941.9	-95.5
243	ok	0.04	0.4	7.20e-03	10.1	10.1	10.1	10.1	27.2	31.9	-106.2	1028.2	-9167.3	-1264.1
244	ok	0.04	0.9	2.52e-02	10.1	10.1	10.1	10.1	-214.4	424.0	-0.6	-6582.8	-1.002e+04	-2603.2
245	ok	0.04	0.4	2.57e-02	10.1	10.1	10.1	10.1	113.5	-233.6	130.9	5033.2	-1279.8	-1246.2
246	ok	0.04	0.1	1.96e-02	10.1	10.1	10.1	10.1	-69.0	-110.0	-19.4	1431.2	1741.6	-46.8
247	ok	0.04	0.2	1.96e-02	10.1	10.1	10.1	10.1	-90.7	-128.6	-69.5	-2607.4	1934.6	295.8
248	ok	0.04	0.2	1.90e-02	10.1	10.1	10.1	10.1	-98.5	-136.8	-66.0	-3797.0	1724.1	1235.7
249	ok	0.04	0.2	1.92e-02	10.1	10.1	10.1	10.1	-105.7	-143.7	-54.0	-3095.9	1996.0	2010.6
250	ok	0.04	0.2	2.18e-02	10.1	10.1	10.1	10.1	-148.1	-152.8	-45.1	513.2	2164.5	2320.7
251	ok	0.04	0.1	2.21e-02	10.1	10.1	10.1	10.1	6.1	-1.0	-11.3	1173.6	814.0	-725.9
252	ok	0.04	0.2	1.93e-02	10.1	10.1	10.1	10.1	-146.3	-166.8	-18.6	-3105.7	1699.3	-876.5
253	ok	0.04	0.2	1.65e-02	10.1	10.1	10.1	10.1	-135.9	-157.9	-11.6	-4555.3	1428.0	-461.8
254	ok	0.04	0.2	1.52e-02	10.1	10.1	10.1	10.1	-136.9	-151.6	-7.0	-4211.4	1436.6	84.6
255	ok	0.04	0.2	1.75e-02	10.1	10.1	10.1	10.1	-143.9	-145.7	-3.5	-2578.9	1560.9	461.6
256	ok	0.04	0.1	1.89e-02	10.1	10.1	10.1	10.1	16.5	6.2	2.0	1344.2	435.0	642.2
257	ok	0.04	0.2	1.57e-02	10.1	10.1	10.1	10.1	-73.2	-70.4	12.6	1529.0	1878.9	-2226.3
258	ok	0.04	0.2	1.32e-02	10.1	10.1	10.1	10.1	-106.3	-84.7	26.5	-2140.0	1418.9	-2086.5
259	ok	0.04	0.2	1.23e-02	10.1	10.1	10.1	10.1	-106.7	-61.7	24.3	-2897.4	876.0	-1435.4
261	ok	0.04	0.1	1.24e-02	10.1	10.1	10.1	10.1	-105.1	-31.7	43.6	-2396.3	622.7	-848.2
262	ok	0.04	0.2	1.81e-02	10.1	10.1	10.1	10.1	34.1	37.4	7.3	1416.0	1373.4	2381.9
263	ok	0.04	0.3	2.65e-02	10.1	10.1	10.1	10.1	6.7	40.4	6.7	3973.8	-3360.4	507.8
264	ok	0.04	0.2	9.01e-03	10.1	10.1	10.1	10.1	8.4	29.2	-13.9	1692.8	1618.6	-2154.1
265	ok	0.04	9.54e-02	1.14e-03	10.1	10.1	10.1	10.1	-0.3	-0.4	-0.7	84.6	448.9	-234.9
266	ok	0.04	0.5	4.82e-04	10.1	10.1	10.1	10.1	-3.9	264.6	-8.6	53.4	-4590.7	272.9
267	ok	0.04	0.5	4.28e-03	10.1	10.1	10.1	10.1	-23.2	198.2	76.2	-508.8	-4665.6	1846.8
268	ok	0.04	0.2	5.40e-03	10.1	10.1	10.1	10.1	8.7	-27.0	29.7	-625.4	-3828.4	1702.7
269	ok	0.04	0.1	1.28e-02	10.1	10.1	10.1	10.1	-25.2	-116.5	-37.3	-1374.9	-2618.7	1138.5
270	ok	0.04	0.1	1.61e-02	10.1	10.1	10.1	10.1	-60.1	-142.3	-56.6	-2822.5	-1889.6	1064.4
271	ok	0.04	0.2	1.77e-02	10.1	10.1	10.1	10.1	-87.6	-151.8	-57.2	-3556.3	-1537.8	1449.7
272	ok	0.04	0.2	1.84e-02	10.1	10.1	10.1	10.1	-103.4	-161.2	-52.6	-3281.0	-1481.3	1746.0
273	ok	0.04	0.1	1.92e-02	10.1	10.1	10.1	10.1	-115.2	-176.0	-44.3	-2476.2	-1640.0	1449.2
274	ok	0.04	0.1	2.00e-02	10.1	10.1	10.1	10.1	-119.1	-181.7	-40.4	-2346.6	-1664.7	762.7
275	ok	0.04	0.2	1.96e-02	10.1	10.1	10.1	10.1	41.9	15.0	-12.0	-2186.7	-2763.9	-776.1
276	ok	0.04	0.2	1.75e-02	10.1	10.1	10.1	10.1	-78.5	-104.4	-17.6	-4008.2	-1780.0	-463.8
277	ok	0.04	0.2	1.62e-02	10.1	10.1	10.1	10.1	44.2	24.1	8.3	-3033.7	-2530.8	318.2
278	ok	0.04	0.2	1.70e-02	10.1	10.1	10.1	10.1	41.9	19.8	10.2	-2062.6	-2543.5	556.2
279	ok	0.04	0.1	1.61e-02	10.1	10.1	10.1	10.1	-153.6	-136.8	13.1	-1718.0	-1535.9	-994.8
280	ok	0.04	0.2	1.49e-02	10.1	10.1	10.1	10.1	-126.3	-124.9	23.1	-1537.3	-1703.4	-1582.6
281	ok	0.04	0.2	1.37e-02	10.1	10.1	10.1	10.1	-119.1	-96.8	28.3	-2267.8	-1360.7	-1832.7
282	ok	0.04	0.2	1.27e-02	10.1	10.1	10.1	10.1	-113.2	-73.3	32.7	-2544.2	-1083.2	-1555.2
284	ok	0.04	0.1	1.15e-02	10.1	10.1	10.1	10.1	-99.8	-51.9	37.7	-1788.0	-902.8	-1053.8
285	ok	0.04	0.1	1.68e-02	10.1	10.1	10.1	10.1	14.2	59.2	13.1	611.1	-958.6	536.3
286	ok	0.04	0.1	1.21e-02	10.1	10.1	10.1	10.1	19.6	40.0	12.1	1669.3	-1506.5	-320.9
287	ok	0.04	0.2	4.88e-03	10.1	10.1	10.1	10.1	-2.3	50.0	-2.7	1041.0	-904.5	-914.9
288	ok	0.04	0.2	2.38e-04	10.1	10.1	10.1	10.1	-0.5	85.5	-3.7	-0.2	-979.2	-185.9
289	ok	0.04	0.5	3.97e-04	10.1	10.1	10.1	10.1	-2.7	287.5	-5.1	-79.0	-3358.7	389.0
290	ok	0.04	0.4	1.11e-03	10.1	10.1	10.1	10.1	-7.6	216.4	19.2	613.6	-3285.2	1980.9
291	ok	0.04	0.2	1.65e-03	10.1	10.1	10.1	10.1	20.9	28.8	16.8	-1244.9	-4110.2	2235.8
292	ok	0.04	0.2	8.29e-03	10.1	10.1	10.1	10.1	-13.1	-84.8	-9.3	-2280.1	-4483.7	1749.9
293	ok	0.04	0.2	1.27e-02	10.1	10.1	10.1	10.1	-49.5	-129.9	-25.5	-3239.7	-4387.2	1571.3
294	ok	0.04	0.2	1.52e-02	10.1	10.1	10.1	10.1	-84.8	-150.2	-32.9	-3801.2	-4228.5	1612.9
295	ok	0.04	0.2	1.70e-02	10.1	10.1	10.1	10.1	-105.9	-164.4	-37.1	-3850.2	-4190.5	1616.4
296	ok	0.04	0.2	1.84e-02	10.1	10.1	10.1	10.1	-125.3	-179.5	-34.4	-3698.8	-4198.9	1354.6
297	ok	0.04	0.2	1.91e-02	10.1	10.1	10.1	10.1	-75.2	-121.5	-15.3	-3358.5	-5009.6	520.0
298	ok	0.04	0.2	1.92e-02	10.1	10.1	10.1	10.1	-78.5	-120.6	-11.3	-3883.4	-4693.5	203.9

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
299	ok	0.04	0.2	1.83e-02	10.1	10.1	10.1	10.1	-88.3	-115.5	-12.8	-4379.1	-4286.1	-334.3
300	ok	0.04	0.2	1.71e-02	10.1	10.1	10.1	10.1	-89.7	-110.5	-4.8	-4154.6	-4368.5	-355.6
301	ok	0.04	0.2	1.67e-02	10.1	10.1	10.1	10.1	-86.0	-105.1	4.0	-3335.4	-4715.9	-464.6
302	ok	0.04	0.2	1.61e-02	10.1	10.1	10.1	10.1	-84.7	-95.7	7.0	-2606.4	-4907.8	-654.9
303	ok	0.04	0.2	1.52e-02	10.1	10.1	10.1	10.1	-78.2	-78.5	9.4	-2337.0	-4717.6	-944.1
304	ok	0.04	0.2	1.38e-02	10.1	10.1	10.1	10.1	-74.3	-60.8	10.0	-2533.9	-4188.7	-1015.9
305	ok	0.04	0.2	1.22e-02	10.1	10.1	10.1	10.1	-65.7	-42.8	14.0	-2456.1	-3372.1	-926.0
307	ok	0.04	0.2	1.03e-02	10.1	10.1	10.1	10.1	-58.1	-13.0	15.0	-1408.6	-2369.4	-769.2
308	ok	0.04	0.2	9.79e-03	10.1	10.1	10.1	10.1	-32.3	21.8	52.4	752.4	-1465.1	-520.1
309	ok	0.04	0.1	7.19e-03	10.1	10.1	10.1	10.1	-28.6	36.7	48.4	821.9	-1383.2	-478.1
310	ok	0.04	0.2	2.81e-03	10.1	10.1	10.1	10.1	-3.7	71.8	29.1	682.6	-941.2	-542.6
311	ok	0.04	0.2	2.06e-04	10.1	10.1	10.1	10.1	-1.3	136.7	5.5	-23.0	-1028.8	-136.8
312	ok	0.04	0.5	3.22e-04	10.1	10.1	10.1	10.1	-1.7	295.1	0.8	-36.8	-3025.3	247.5
313	ok	0.04	0.4	2.88e-03	10.1	10.1	10.1	10.1	-8.2	201.0	22.1	585.8	-3126.5	1157.9
314	ok	0.04	0.3	4.89e-03	10.1	10.1	10.1	10.1	0.1	28.3	19.6	-1490.4	-5189.9	1458.5
315	ok	0.04	0.3	9.97e-03	10.1	10.1	10.1	10.1	-24.7	-72.0	19.3	-2709.0	-6303.8	1733.4
316	ok	0.04	0.3	1.26e-02	10.1	10.1	10.1	10.1	-57.8	-116.6	9.8	-3642.3	-6421.3	1859.6
317	ok	0.04	0.3	1.34e-02	10.1	10.1	10.1	10.1	-92.5	-140.7	-2.7	-4256.8	-6282.7	1773.8
318	ok	0.04	0.3	1.51e-02	10.1	10.1	10.1	10.1	-125.0	-160.4	-10.7	-4457.6	-6260.2	1578.6
319	ok	0.04	0.3	1.75e-02	10.1	10.1	10.1	10.1	-151.7	-179.8	-15.8	-4462.4	-6296.6	1401.1
320	ok	0.04	0.3	1.92e-02	10.1	10.1	10.1	10.1	-167.8	-195.9	-18.5	-4749.3	-6066.1	1281.9
321	ok	0.04	0.3	1.95e-02	10.1	10.1	10.1	10.1	-95.2	-125.8	-8.8	-4590.9	-6591.5	808.9
322	ok	0.04	0.3	1.89e-02	10.1	10.1	10.1	10.1	-94.0	-122.6	-3.0	-5157.5	-5905.6	296.4
323	ok	0.04	0.3	1.91e-02	10.1	10.1	10.1	10.1	-100.2	-117.8	-0.2	-4782.1	-6102.1	-809.2
324	ok	0.04	0.3	1.92e-02	10.1	10.1	10.1	10.1	-187.5	-176.1	10.0	-4372.1	-5788.4	-1525.7
...														
449	ok	0.04	1.53e-02	1.16e-04	10.1	10.1	10.1	10.1	6.8	6.0	-8.51e-02	-64.8	-33.3	50.7
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-626.72	-2248.12	-1303.75	-1.171e+04	-1.280e+04	-4840.14
		0.06	0.98	0.24	20.11	23.46	20.11	23.46	125.64	423.96	237.03	1.523e+04	2.827e+04	7494.47

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
15	ok	0.10						
16	ok	0.15						
17	ok	0.29						
18	ok	0.40						
19	ok	0.30						
20	ok	0.57						
21	ok	0.41						
22	ok	0.57						
23	ok	0.41						
24	ok	0.65						
25	ok	0.36						
26	ok	1.87						
27	ok	0.21						
28	ok	2.60						
29	ok	0.29						
30	ok	2.60						
31	ok	0.29						
32	ok	1.46						
33	ok	0.26						
34	ok	0.69						
35	ok	0.26						
36	ok	0.41						
37	ok	2.48						
38	ok	2.53						
39	ok	2.53						
40	ok	0.84						
41	ok	0.36						
42	ok	1.02						
43	ok	2.85						
44	ok	2.85						
45	ok	2.24						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
46	ok	0.55						
47	ok	0.58						
48	ok	2.30						
49	ok	2.88						
50	ok	2.88						
51	ok	0.98						
52	ok	0.31						
54	ok	0.31						
55	ok	2.51						
56	ok	2.51						
57	ok	2.10						
58	ok	0.26						
59	ok	0.44						
60	ok	2.55						
61	ok	2.55						
62	ok	2.53						
63	ok	0.84						
64	ok	0.52						
65	ok	1.18						
66	ok	2.85						
67	ok	2.85						
68	ok	2.24						
69	ok	0.74						
70	ok	0.79						
71	ok	2.30						
72	ok	2.88						
73	ok	2.88						
74	ok	1.19						
75	ok	0.54						
77	ok	0.26						
78	ok	2.64						
79	ok	2.64						
80	ok	2.13						
81	ok	0.26						
82	ok	2.55						
83	ok	2.62						
84	ok	2.63						
85	ok	2.64						
86	ok	0.57						
87	ok	2.55						
88	ok	2.12						
89	ok	0.94						
90	ok	0.79						
91	ok	1.18						
92	ok	2.62						
93	ok	2.09						
94	ok	0.94						
95	ok	0.98						
96	ok	2.12						
97	ok	2.63						
98	ok	1.19						
99	ok	0.66						
101	ok	0.40						
102	ok	2.64						
103	ok	2.13						
104	ok	0.38						
105	ok	0.57						
106	ok	0.78						
107	ok	1.14						
108	ok	1.14						
109	ok	0.94						
110	ok	0.87						
111	ok	1.11						
112	ok	1.44						
113	ok	1.44						
114	ok	1.37						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
115	ok	0.95						
116	ok	0.98						
117	ok	1.37						
118	ok	1.41						
119	ok	1.41						
120	ok	1.05						
121	ok	0.76						
123	ok	0.60						
124	ok	0.67						
125	ok	0.67						
126	ok	0.49						
127	ok	0.38						
128	ok	0.48						
129	ok	0.65						
130	ok	0.98						
131	ok	0.98						
132	ok	0.94						
133	ok	0.87						
134	ok	1.03						
135	ok	1.16						
136	ok	1.16						
137	ok	1.13						
138	ok	0.95						
139	ok	0.97						
140	ok	1.12						
141	ok	1.14						
142	ok	1.14						
143	ok	0.97						
144	ok	0.76						
146	ok	0.60						
147	ok	0.60						
148	ok	0.26						
149	ok	0.38						
150	ok	0.38						
151	ok	0.66						
152	ok	0.78						
153	ok	0.78						
154	ok	0.57						
155	ok	0.49						
156	ok	0.43						
157	ok	0.49						
158	ok	0.54						
159	ok	0.54						
160	ok	0.50						
161	ok	0.39						
162	ok	0.40						
163	ok	0.49						
164	ok	0.51						
165	ok	0.51						
166	ok	0.44						
167	ok	0.49						
169	ok	0.60						
170	ok	0.60						
171	ok	0.15						
172	ok	0.26						
173	ok	0.26						
174	ok Av	6.85	0.10	0.21	3.2	7.1	189.5	414.0
175	ok Av	6.85	0.10	0.21	3.2	7.1	189.5	414.0
176	ok	3.46						
177	ok	0.99						
178	ok	0.62						
179	ok	0.42						
180	ok	0.58						
181	ok	0.75						
182	ok	0.75						
183	ok	0.65						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
184	ok	0.40						
185	ok	0.40						
186	ok	0.64						
187	ok	0.71						
188	ok	0.71						
189	ok	0.52						
190	ok	0.32						
192	ok	0.41						
193	ok	0.57						
194	ok	0.57						
195	ok	0.52						
196	ok	0.15						
197	ok Av	7.01	0.24	0.21	7.9	7.1	463.7	414.0
198	ok Av	7.45	0.24	0.21	8.0	7.1	466.9	414.0
199	ok Av	7.45	0.24	0.08	8.0	2.8	466.9	163.6
200	ok	1.30						
201	ok	0.87						
202	ok	0.36						
203	ok	0.90						
204	ok	1.48						
205	ok	1.48						
206	ok	1.09						
207	ok	0.50						
208	ok	0.52						
209	ok	1.05						
210	ok	1.42						
211	ok	1.42						
212	ok	0.88						
213	ok	0.40						
215	ok	0.49						
216	ok	2.34						
217	ok	2.34						
218	ok	1.88						
219	ok	0.27						
220	ok Av	7.01	0.24	0.17	7.9	5.5	463.7	322.5
221	ok Av	7.45	0.24	0.17	8.0	5.5	466.9	322.5
222	ok Av	7.45	0.24	0.08	8.0	2.8	466.9	163.6
223	ok	1.53						
224	ok	0.87						
225	ok	0.36						
226	ok	0.96						
227	ok	1.64						
228	ok	1.64						
229	ok	1.12						
230	ok	0.51						
231	ok	0.57						
232	ok	1.12						
233	ok	1.54						
234	ok	1.54						
235	ok	0.92						
236	ok	0.40						
238	ok	0.49						
239	ok	2.34						
240	ok	2.34						
241	ok	1.88						
242	ok	0.27						
243	ok Av	5.45	0.08	0.17	2.8	5.5	163.9	322.5
244	ok Av	5.45	0.08	0.17	2.8	5.5	163.9	322.5
245	ok	2.54						
246	ok	1.53						
247	ok	0.86						
248	ok	0.47						
249	ok	0.96						
250	ok	1.64						
251	ok	1.64						
252	ok	1.12						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
253	ok	0.51						
254	ok	0.57						
255	ok	1.12						
256	ok	1.54						
257	ok	1.54						
258	ok	0.92						
259	ok	0.36						
261	ok	0.49						
262	ok	2.32						
263	ok	2.32						
264	ok	1.87						
265	ok	0.32						
266	ok	0.96						
267	ok	0.96						
268	ok	0.82						
269	ok	0.71						
270	ok	0.60						
271	ok	0.54						
272	ok	0.72						
273	ok	0.89						
274	ok	0.89						
275	ok	0.79						
276	ok	0.53						
277	ok	0.54						
278	ok	0.78						
279	ok	0.84						
280	ok	0.84						
281	ok	0.64						
282	ok	0.44						
284	ok	0.48						
285	ok	0.55						
286	ok	0.55						
287	ok	0.51						
288	ok	0.32						
289	ok	0.96						
290	ok	0.96						
291	ok	0.58						
292	ok	0.58						
293	ok	0.56						
294	ok	0.54						
295	ok	0.62						
296	ok	0.67						
297	ok	0.67						
298	ok	0.65						
299	ok	0.53						
300	ok	0.54						
301	ok	0.63						
302	ok	0.63						
303	ok	0.63						
304	ok	0.56						
305	ok	0.57						
307	ok	0.63						
308	ok	0.63						
309	ok	0.15						
310	ok	0.30						
311	ok	0.30						
312	ok	0.71						
313	ok	0.71						
314	ok	0.80						
315	ok	0.80						
316	ok	0.75						
317	ok	0.71						
318	ok	0.85						
319	ok	1.01						
320	ok	1.01						
321	ok	0.98						

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
322	ok	0.78						
323	ok	0.80						
324	ok	0.95						
...								
449	ok	0.07						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		7.45	0.24	0.21	7.99	7.08	466.92	413.96

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	30.00	5	10	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
13	ok	0.07	0.2	1.24e-02	4.5	4.5	4.5	4.5	35.0	-9.0	-12.9	35.7	204.4	22.2
14	ok	0.07	5.82e-02	5.09e-03	4.5	4.5	4.5	4.5	-11.5	-2.8	18.2	23.9	8.25e-02	15.6
53	ok	0.07	0.1	1.44e-02	4.5	4.5	4.5	4.5	-6.5	-75.1	5.6	227.8	10.5	11.7
100	ok	0.07	0.1	1.23e-02	4.5	4.5	4.5	4.5	1.4	-53.7	19.0	-249.4	-93.8	-10.1
122	ok	0.07	0.1	1.14e-02	4.5	4.5	4.5	4.5	0.4	-37.4	30.9	-306.4	-96.0	26.6
145	ok	0.07	0.1	1.23e-02	4.5	4.5	4.5	4.5	-5.7	-61.7	6.6	215.0	17.9	15.2
191	ok	0.07	0.2	8.88e-03	4.5	4.5	4.5	4.5	-0.4	-46.1	19.0	-150.8	-55.6	-26.4
214	ok	0.07	0.1	9.33e-03	4.5	4.5	4.5	4.5	3.5	-27.2	24.8	-267.4	-81.6	20.9
237	ok	0.07	0.1	1.08e-02	4.5	4.5	4.5	4.5	-3.7	-43.7	11.9	186.5	20.2	22.6
283	ok	0.07	0.2	8.29e-03	4.5	4.5	4.5	4.5	-17.4	-6.7	-10.0	-72.0	19.6	-31.9
306	ok	0.07	0.2	7.93e-03	4.5	4.5	4.5	4.5	5.2	-14.2	37.8	-203.0	-93.0	51.8
329	ok	0.07	0.1	9.05e-03	4.5	4.5	4.5	4.5	-3.4	-18.6	24.0	119.6	23.3	29.6
753	ok	0.07	0.3	1.82e-02	4.5	4.5	4.5	4.5	69.2	13.6	-38.5	-55.7	-59.1	-49.5
776	ok	0.07	0.1	2.94e-02	4.5	4.5	4.5	4.5	-130.8	-10.3	-83.8	137.9	269.2	19.3
777	ok	0.07	7.26e-02	1.79e-02	4.5	4.5	4.5	4.5	-32.7	-8.0	-26.9	-29.4	115.0	-17.6
778	ok	0.07	7.17e-02	6.81e-03	4.5	4.5	4.5	4.5	-6.1	6.3	-16.3	12.6	-7.8	-34.7
780	ok	0.07	0.3	1.05e-02	4.5	4.5	4.5	4.5	39.4	10.1	-61.6	134.6	-14.7	-3.6
781	ok	0.07	0.2	1.51e-02	4.5	4.5	4.5	4.5	3.8	-14.5	-51.2	-192.2	-97.6	-72.0
782	ok	0.07	0.2	1.11e-02	4.5	4.5	4.5	4.5	-1.6	-1.6	-15.5	146.4	29.4	-47.5
784	ok	0.07	0.2	1.36e-02	4.5	4.5	4.5	4.5	3.5	-19.3	-33.6	-143.7	-36.2	-14.5
785	ok	0.07	0.2	1.31e-02	4.5	4.5	4.5	4.5	4.2	-17.5	-13.7	-261.6	-68.9	-59.6
786	ok	0.07	0.1	1.30e-02	4.5	4.5	4.5	4.5	-0.8	-17.9	-8.6	223.7	46.2	-22.7
788	ok	0.07	0.2	1.63e-02	4.5	4.5	4.5	4.5	2.7	-38.2	-32.3	-229.2	-80.1	-22.1
789	ok	0.07	0.2	1.33e-02	4.5	4.5	4.5	4.5	0.6	-37.2	-44.8	-303.7	-96.4	-46.8
790	ok	0.07	0.1	1.47e-02	4.5	4.5	4.5	4.5	-5.7	-61.5	-20.8	215.6	18.2	-31.9
792	ok	0.07	0.2	1.77e-02	4.5	4.5	4.5	4.5	2.9	-52.8	-25.2	-291.9	-112.7	-24.8
793	ok	0.07	0.1	1.39e-02	4.5	4.5	4.5	4.5	-1.3	-45.4	-40.0	-335.2	-110.8	-37.7
794	ok	0.07	0.1	1.61e-02	4.5	4.5	4.5	4.5	-6.5	-74.7	-19.4	229.1	11.7	-30.2
796	ok	0.07	0.1	1.74e-02	4.5	4.5	4.5	4.5	2.6	-57.5	-14.9	-313.4	-115.3	-21.2
797	ok	0.07	0.1	1.45e-02	4.5	4.5	4.5	4.5	-1.1	-50.4	-35.0	-358.3	-112.8	-29.2
798	ok	0.07	0.1	1.67e-02	4.5	4.5	4.5	4.5	-6.6	-81.7	-20.1	229.8	9.9	-30.6
800	ok	0.07	0.1	1.60e-02	4.5	4.5	4.5	4.5	2.7	-52.2	-7.3	-316.5	-98.1	-14.8
801	ok	0.07	0.1	1.44e-02	4.5	4.5	4.5	4.5	1.2	-50.7	-29.8	-381.7	-104.6	-21.4
802	ok	0.07	0.1	1.65e-02	4.5	4.5	4.5	4.5	-6.8	-84.5	-5.9	212.7	17.3	-19.4
804	ok	0.07	0.1	1.49e-02	4.5	4.5	4.5	4.5	3.5	-44.0	-4.7	-327.1	-81.7	-11.1
805	ok	0.07	0.1	1.39e-02	4.5	4.5	4.5	4.5	4.1	-49.0	-25.0	-398.6	-94.3	-26.1
806	ok	0.07	0.1	1.55e-02	4.5	4.5	4.5	4.5	-5.8	-77.0	-14.9	200.4	30.2	-26.2
808	ok	0.07	0.1	1.51e-02	4.5	4.5	4.5	4.5	4.4	-37.9	-10.4	-330.7	-74.1	-21.3
809	ok	0.07	0.1	1.36e-02	4.5	4.5	4.5	4.5	5.6	-48.1	-20.6	-407.8	-90.3	-20.4
810	ok	0.07	0.1	1.44e-02	4.5	4.5	4.5	4.5	-5.7	-75.5	-2.0	192.2	35.5	-18.8
812	ok	0.07	0.1	1.65e-02	4.5	4.5	4.5	4.5	3.8	-45.4	-11.2	-333.3	-82.7	-23.6
813	ok	0.07	0.1	1.38e-02	4.5	4.5	4.5	4.5	4.3	-48.9	-16.1	-401.5	-94.8	-16.1
814	ok	0.07	9.48e-02	1.42e-02	4.5	4.5	4.5	4.5	-6.2	-79.5	5.5	198.2	29.0	-11.6
816	ok	0.07	0.1	1.80e-02	4.5	4.5	4.5	4.5	3.0	-57.0	-8.6	-325.8	-100.5	-19.6
817	ok	0.07	0.1	1.42e-02	4.5	4.5	4.5	4.5	1.1	-51.6	-29.7	-366.3	-101.0	-37.8
818	ok	0.07	8.63e-02	1.47e-02	4.5	4.5	4.5	4.5	-6.8	-85.3	-7.3	210.0	16.1	7.9
820	ok	0.07	8.36e-02	1.83e-02	4.5	4.5	4.5	4.5	3.0	-66.2	-0.8	-325.5	-120.1	-12.8

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
821	ok	0.07	9.24e-02	1.41e-02	4.5	4.5	4.5	4.5	-1.2	-51.0	-24.8	-344.5	-108.6	-33.7
822	ok	0.07	9.10e-02	1.51e-02	4.5	4.5	4.5	4.5	-6.2	-80.1	19.1	230.0	8.7	1.9
824	ok	0.07	0.1	1.63e-02	4.5	4.5	4.5	4.5	1.8	-68.0	8.8	-308.8	-125.1	6.8
825	ok	0.07	9.37e-02	1.31e-02	4.5	4.5	4.5	4.5	-1.4	-46.2	26.2	-336.8	-112.0	17.9
Nodo		**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
									-130.83	-85.30	-83.84	-407.81	-125.10	-72.00
		0.07	0.32	0.03	4.52	4.52	4.52	4.52	69.18	13.61	37.81	229.96	269.25	51.78

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
13	ok	0.14						
14	ok	0.13						
53	ok	0.30						
100	ok	0.15						
122	ok	0.28						
145	ok	0.28						
191	ok	0.14						
214	ok	0.25						
237	ok	0.25						
283	ok	0.14						
306	ok	0.20						
329	ok	0.20						
753	ok	0.14						
776	ok	0.18						
777	ok	0.18						
778	ok	0.09						
780	ok	0.18						
781	ok	0.18						
782	ok	0.18						
784	ok	0.12						
785	ok	0.24						
786	ok	0.24						
788	ok	0.11						
789	ok	0.27						
790	ok	0.27						
792	ok	0.13						
793	ok	0.29						
794	ok	0.29						
796	ok	0.15						
797	ok	0.29						
798	ok	0.29						
800	ok	0.17						
801	ok	0.30						
802	ok	0.30						
804	ok	0.19						
805	ok	0.30						
806	ok	0.30						
808	ok	0.19						
809	ok	0.30						
810	ok	0.30						
812	ok	0.19						
813	ok	0.30						
814	ok	0.30						
816	ok	0.19						
817	ok	0.30						
818	ok	0.30						
820	ok	0.18						
821	ok	0.30						
822	ok	0.30						
824	ok	0.16						
825	ok	0.30						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		0.30						

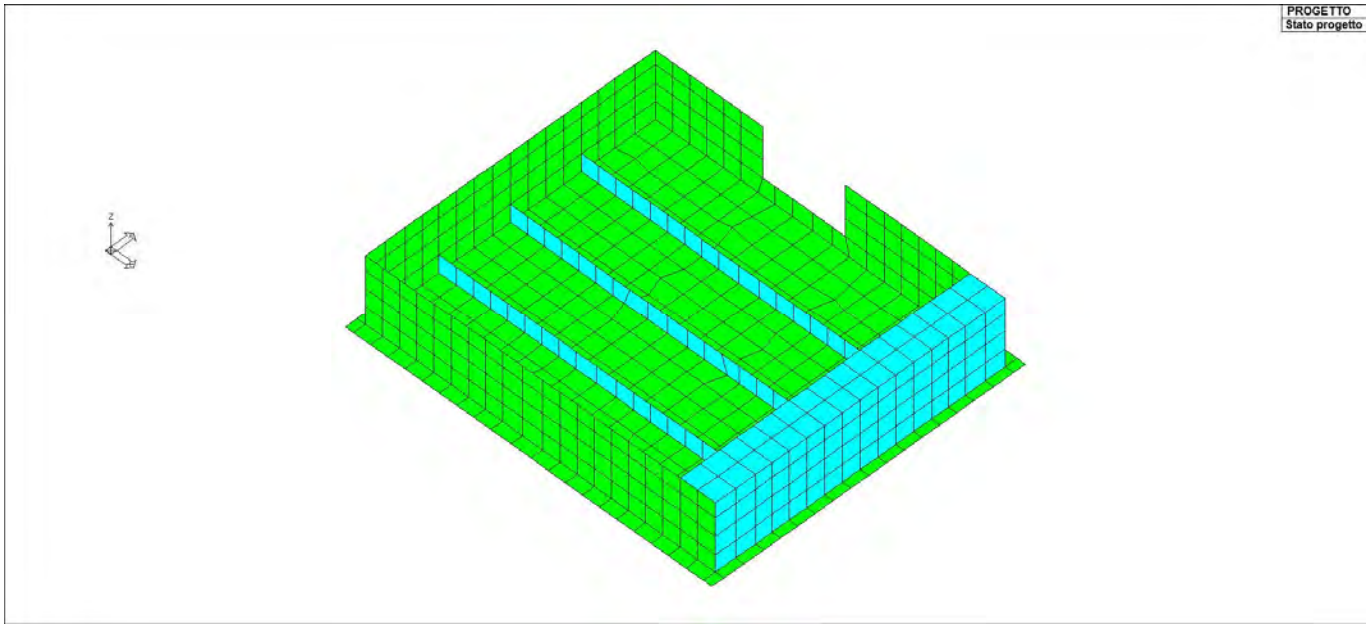


Figura 86 - CA_D3_01_Stato progetto

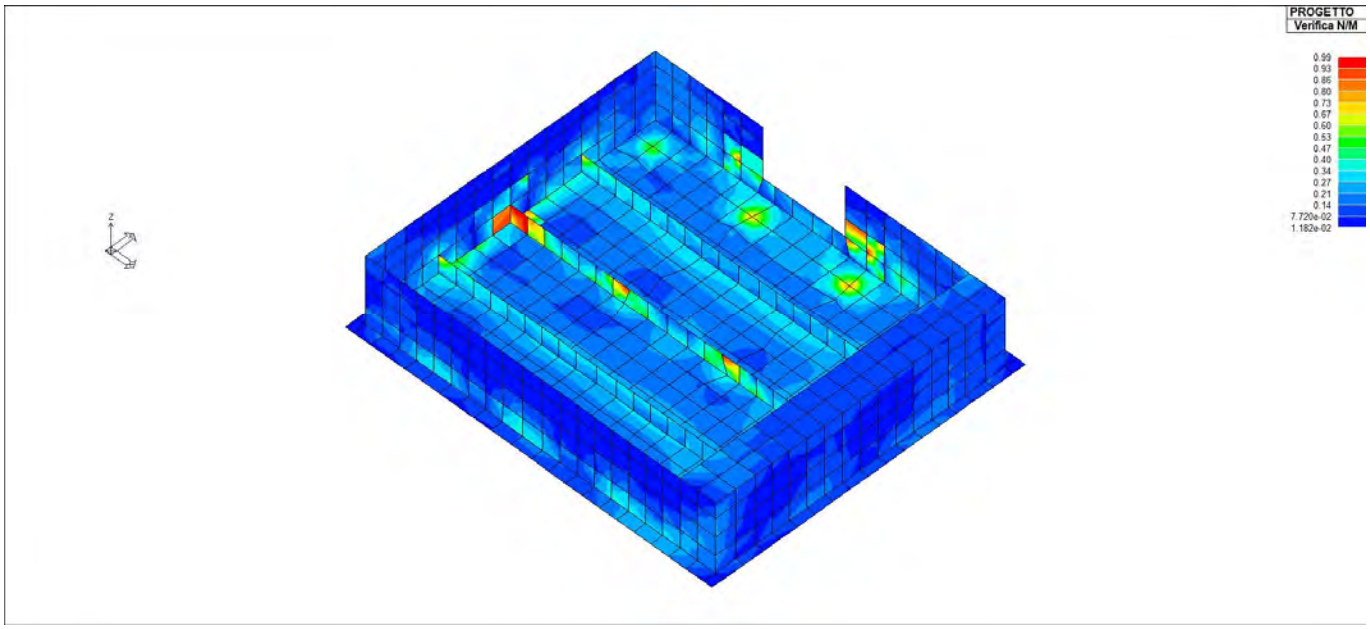


Figura 87 - CA_D3_02_Verifica NM

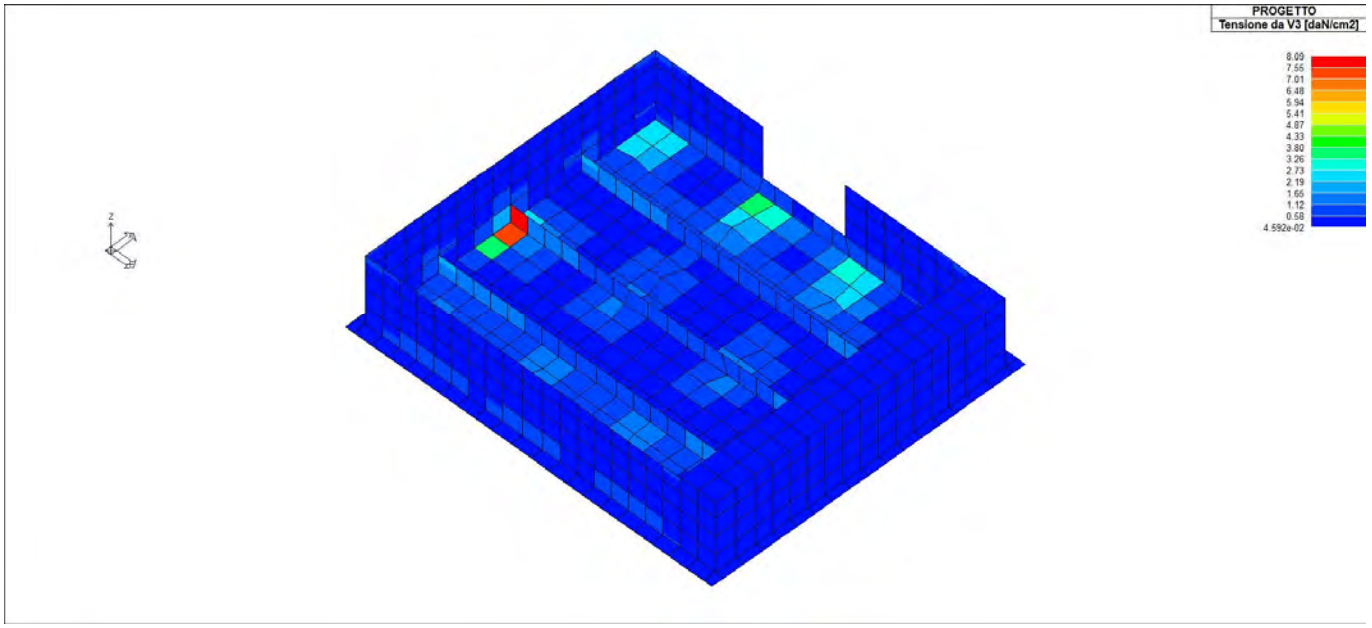


Figura 88 - CA_D3_05_Tensione da V3

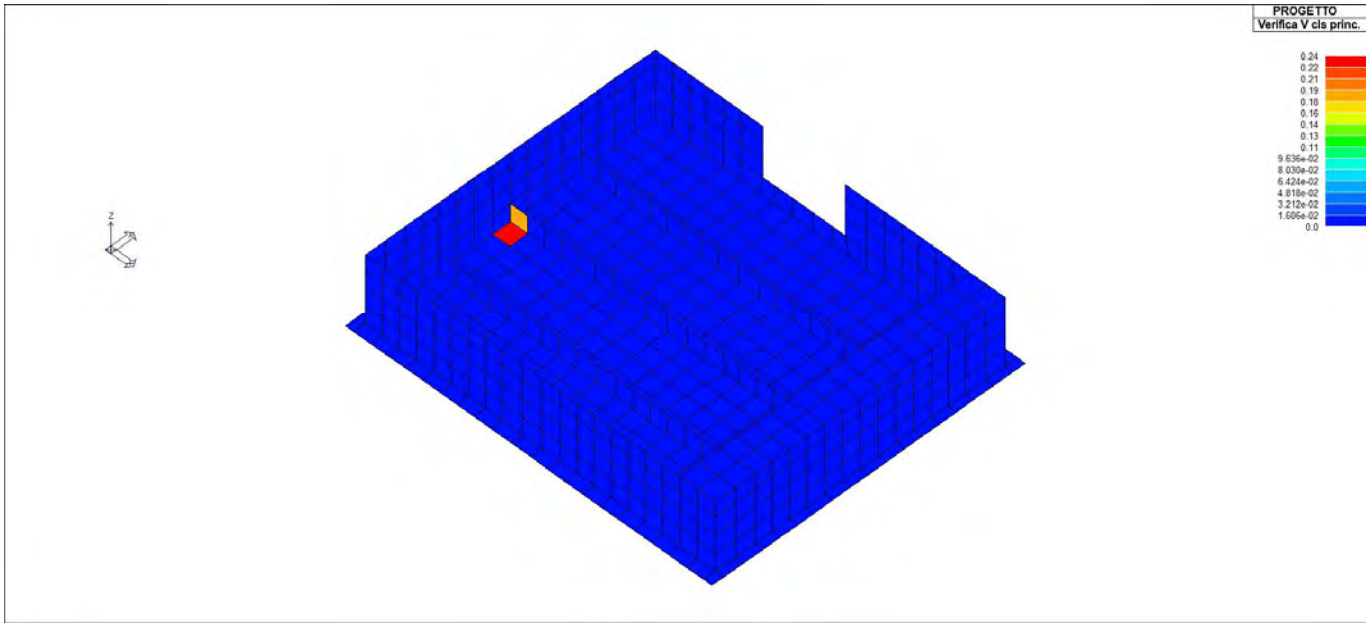


Figura 89 - CA_D3_06_Verifica V cls princ

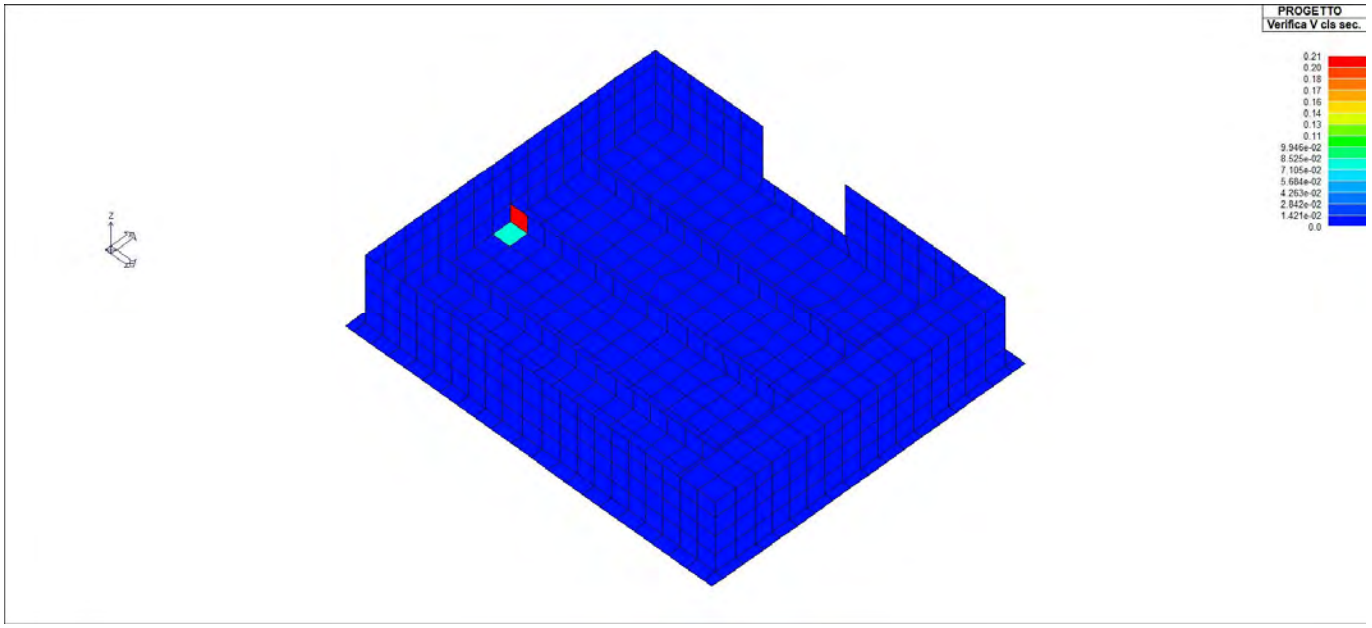


Figura 90 - CA_D3_07_Verifica V cls sec

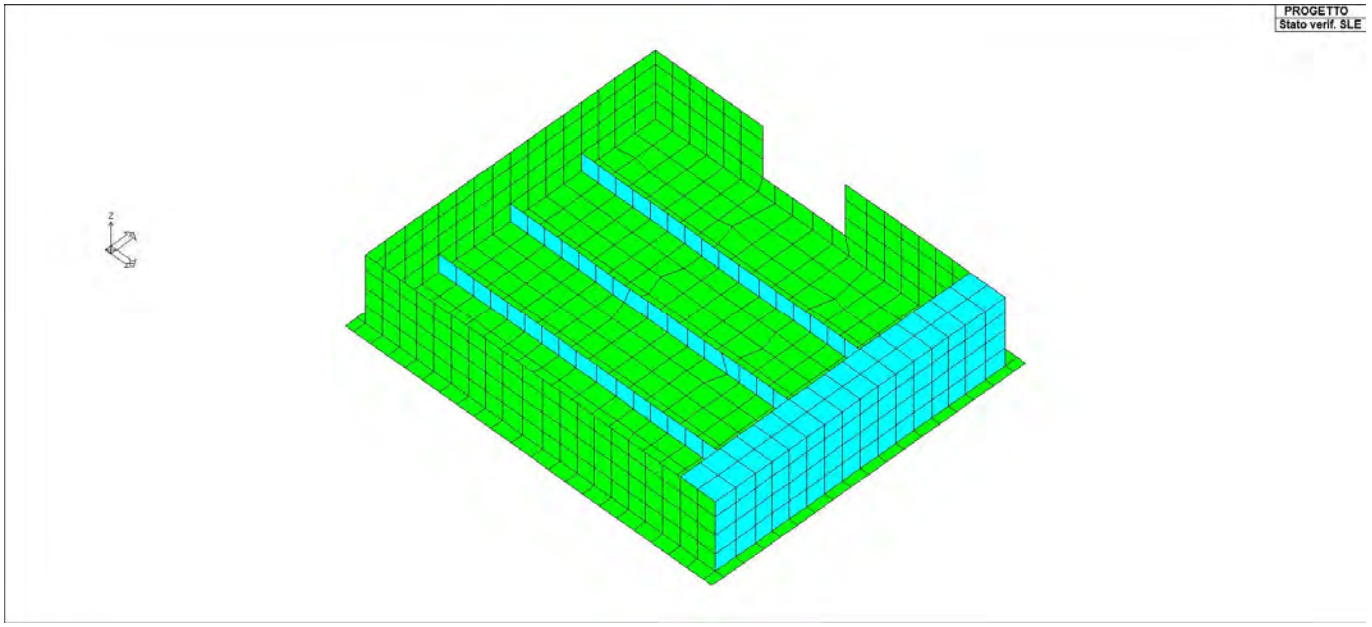


Figura 91 - CA_D3_17_Stato verif SLE

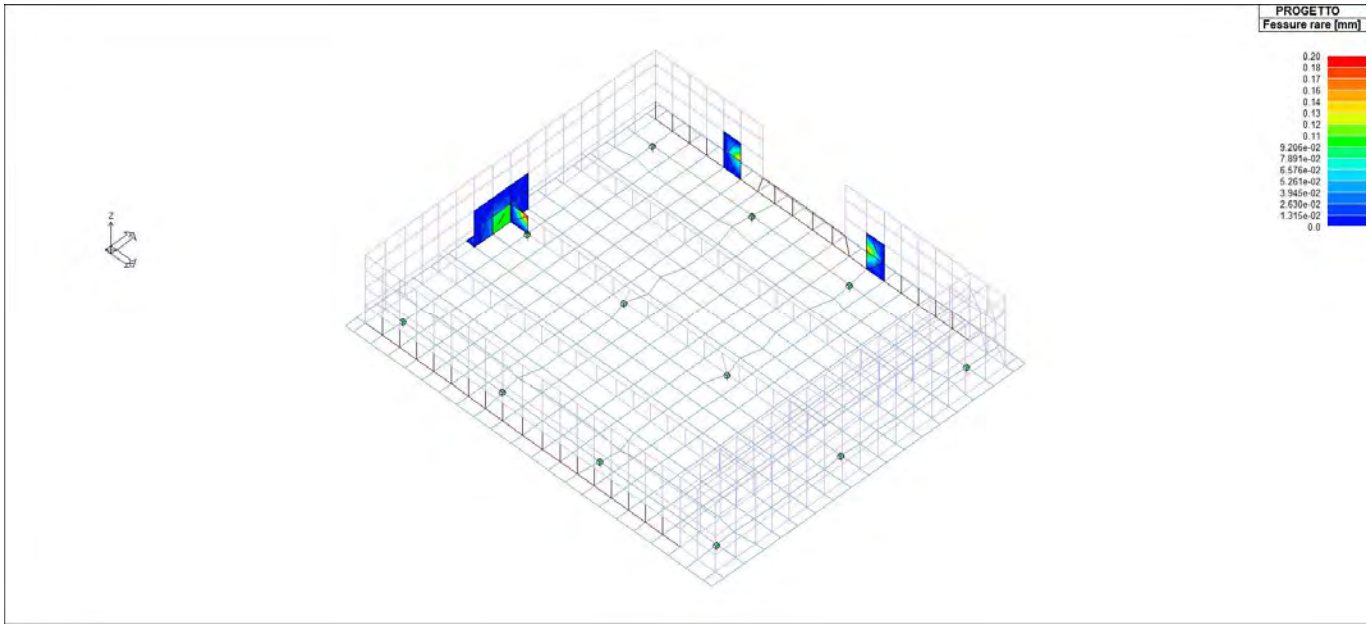


Figura 92 - CA_D3_18_Fessure rare

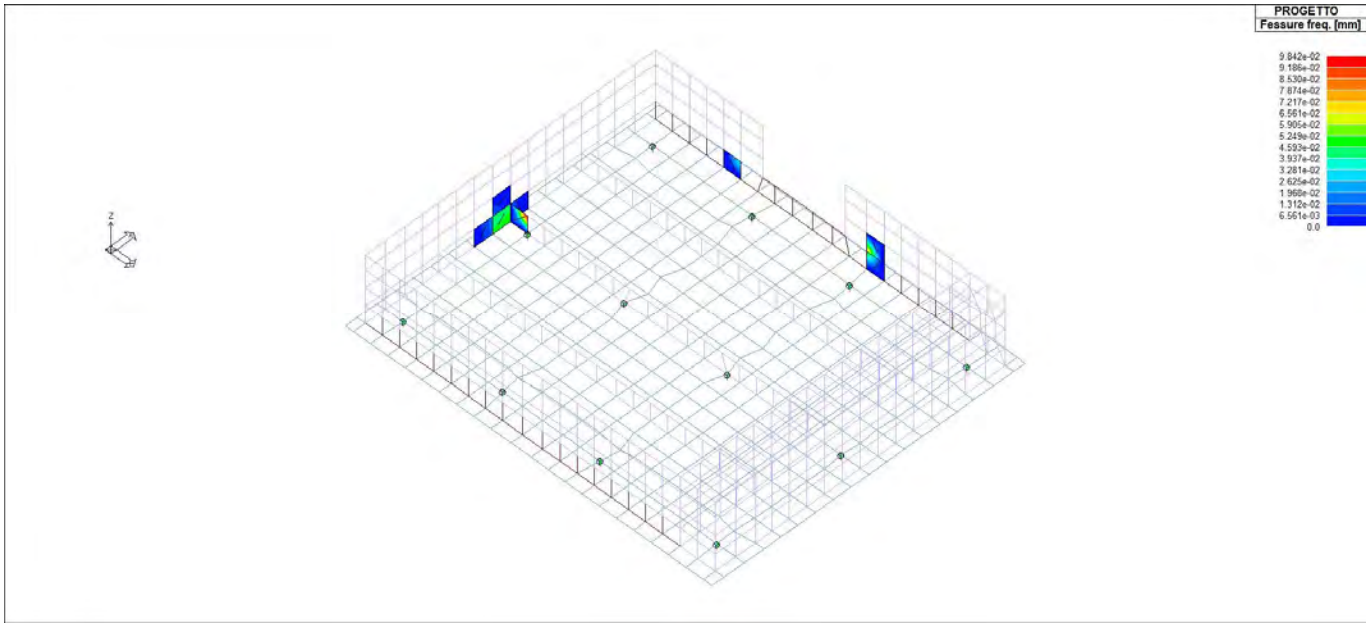


Figura 93 - CA_D3_19_Fessure freq

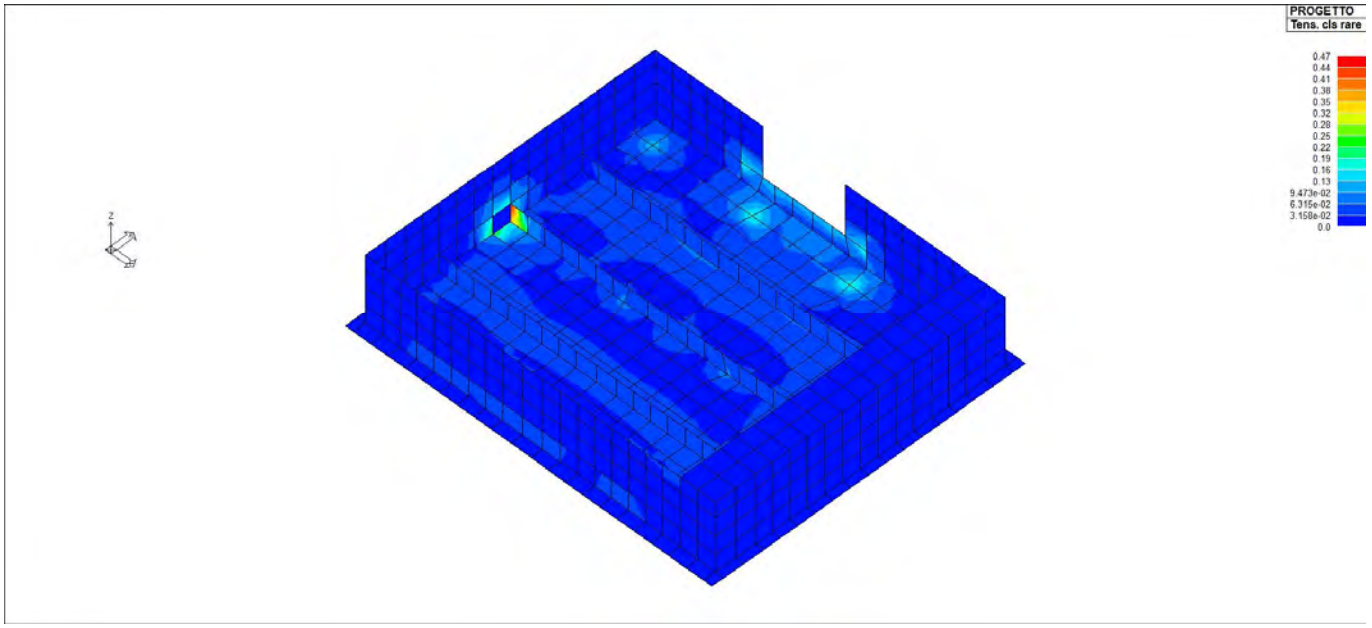


Figura 94 - CA_D3_21_Tens cls rare

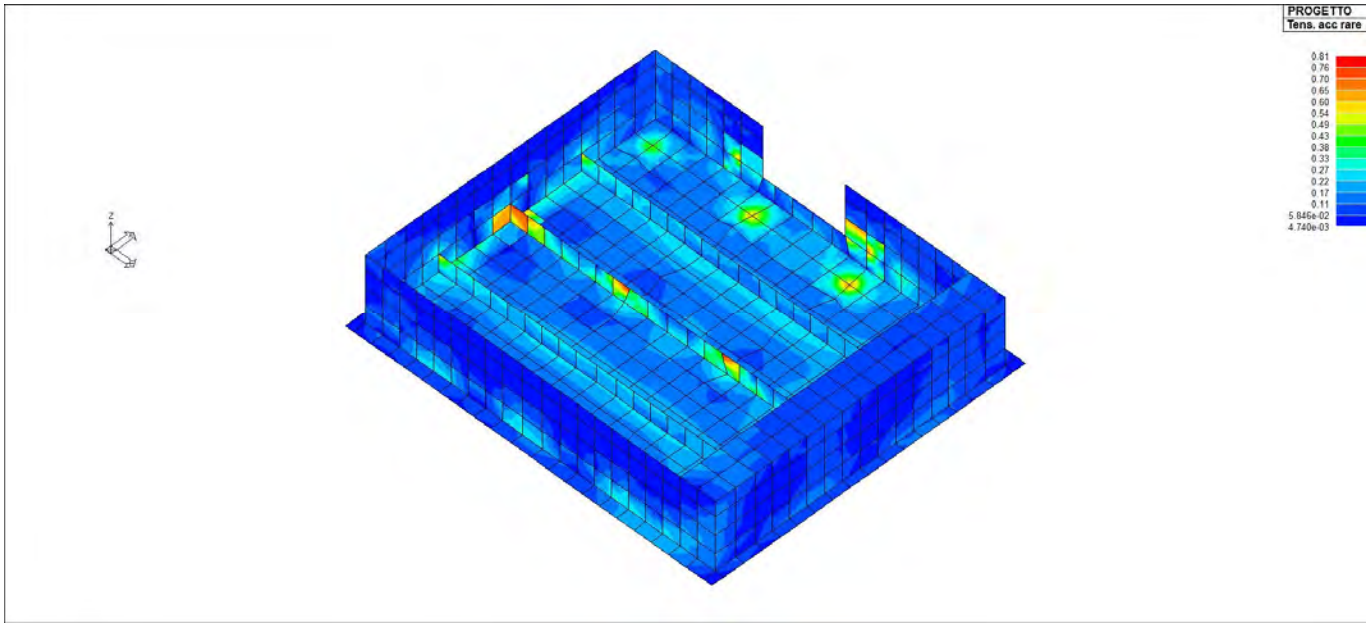


Figura 95 - CA_D3_22_Tens acc rare

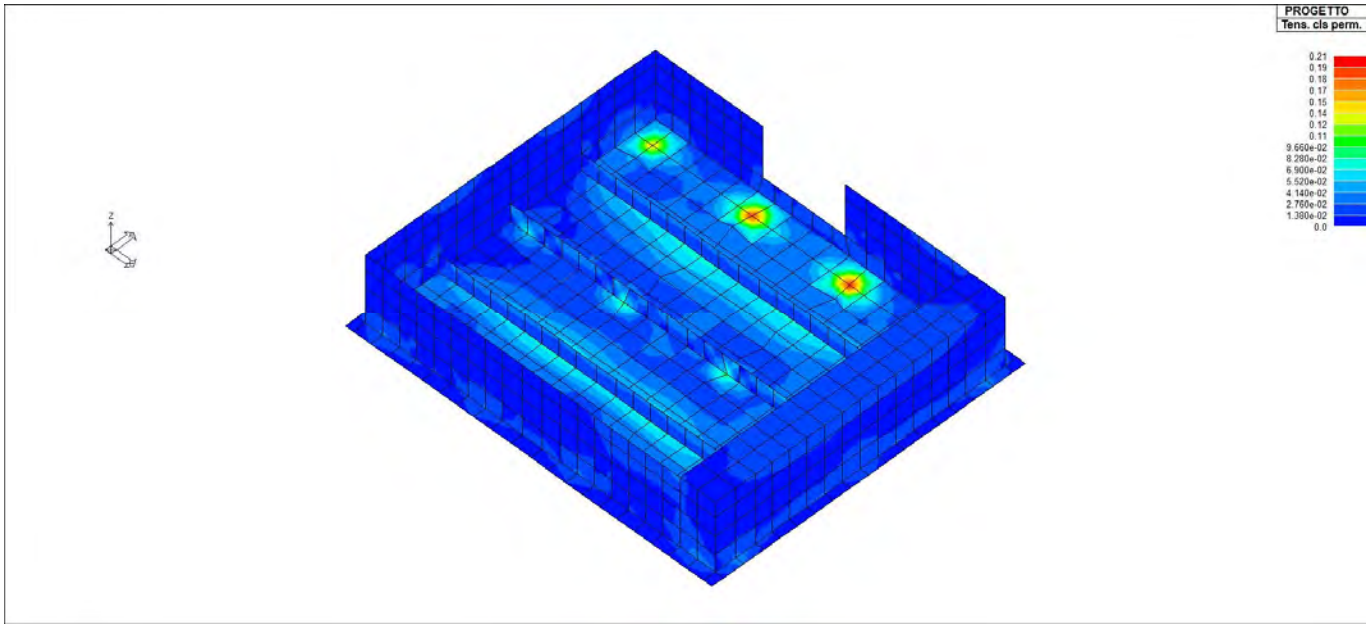


Figura 96 - CA_D3_23_Tens cls perm

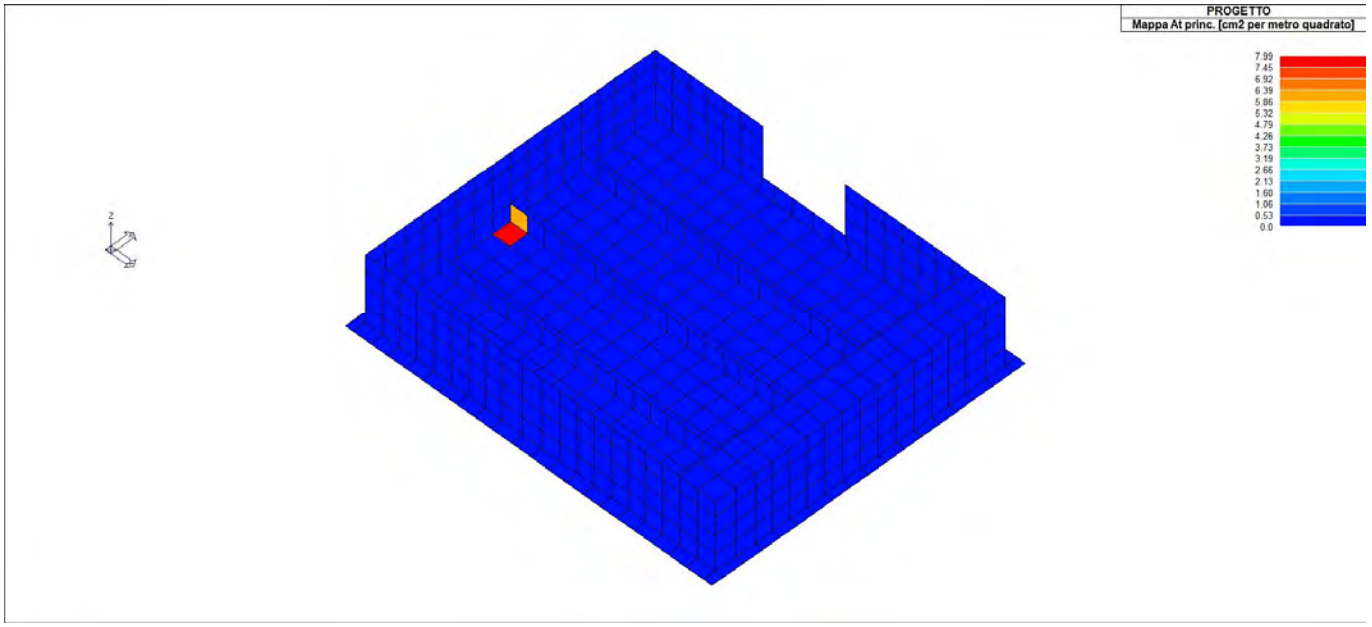


Figura 97 - 72_CA_D3_34_Mappa At princ cm2 per metro quadrato

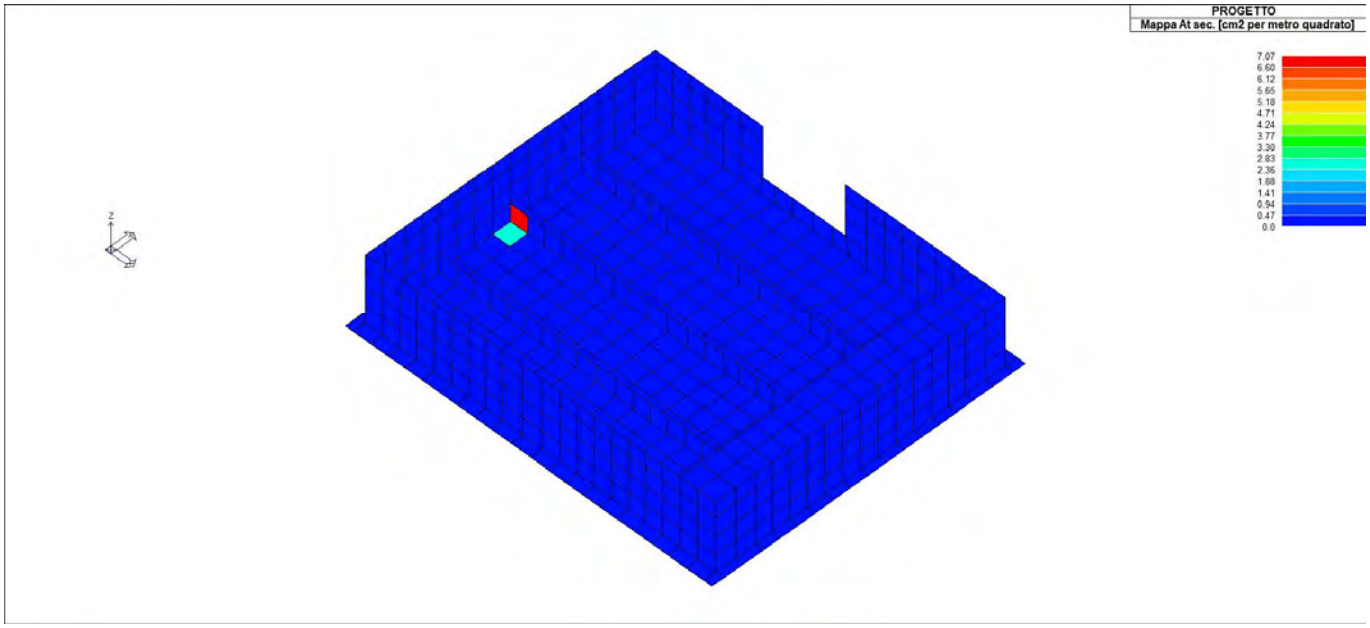


Figura 98 - CA_D3_35_Mappa At sec cm2 per metro quadrato

21 STATI LIMITE D' ESERCIZIO

21.1 LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [*normalizzato a 1*]	
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [*normalizzato a 1*]	
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [*normalizzato a 1*]	
wR	apertura caratteristica delle fessure in combinazioni rare	[*mm*]
wF	apertura caratteristica delle fessure in combinazioni frequenti	[*mm*]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti	[*mm*]
dR	massima deformazione in combinazioni rare	
dF	massima deformazione in combinazioni frequenti	
dP	massima deformazione in combinazioni quasi permanenti	

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
travi	**rRfck**	**rRfyk**	**rPfck**	per sezioni significative
	wR	**wF**	**wP**	per sezioni significative
	dR	**dF**	**dP**	massimi in campata
setti e gusci	**rRfck**	**rRfyk**	**rPfck**	massimi nei nodi dell'elemento
	wR	**wF**	**wP**	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
397	0.02	0.16	0.03	105,133,164	0.0	0.0	0.0	0,0,0
398	0.03	0.14	0.03	119,150,164	0.0	0.0	0.0	0,0,0
399	0.03	0.20	0.03	123,119,164	0.0	0.0	0.0	0,0,0
400	0.05	0.21	0.02	156,152,164	0.0	0.0	0.0	0,0,0
401	0.05	0.27	0.02	156,152,164	0.0	0.0	0.0	0,0,0
402	0.06	0.27	0.02	156,152,164	0.0	0.0	0.0	0,0,0
403	0.06	0.20	0.02	156,152,164	0.0	0.0	0.0	0,0,0
404	0.04	0.17	0.03	148,152,164	0.0	0.0	0.0	0,0,0
405	0.05	0.24	0.03	156,152,164	0.0	0.0	0.0	0,0,0
406	0.06	0.29	0.02	152,156,164	0.0	0.0	0.0	0,0,0
407	0.06	0.29	0.02	152,141,164	0.0	0.0	0.0	0,0,0
408	0.05	0.22	0.02	152,141,164	0.0	0.0	0.0	0,0,0
409	0.03	0.16	0.03	141,152,164	0.0	0.0	0.0	0,0,0
410	0.03	0.17	0.03	145,141,164	0.0	0.0	0.0	0,0,0
411	0.04	0.20	0.02	145,141,164	0.0	0.0	0.0	0,0,0
412	0.04	0.26	0.01	145,141,164	0.0	0.0	0.0	0,0,0
414	0.03	0.24	0.01	145,141,164	0.0	0.0	0.0	0,0,0
415	0.02	0.22	0.02	133,141,164	0.0	0.0	0.0	0,0,0
416	0.03	0.20	0.04	155,133,164	0.0	0.0	0.0	0,0,0
417	0.03	0.14	0.03	141,130,164	0.0	0.0	0.0	0,0,0
418	0.04	0.08	0.04	152,150,164	0.0	0.0	0.0	0,0,0
419	0.04	0.18	0.05	144,141,164	0.0	0.0	0.0	0,0,0
420	0.03	0.17	0.03	141,133,164	0.0	0.0	0.0	0,0,0
421	0.04	0.13	0.04	156,152,164	0.0	0.0	0.0	0,0,0
422	0.04	0.25	0.05	144,144,164	0.0	0.0	0.0	0,0,0
423	0.03	0.11	0.03	137,133,164	0.0	0.0	0.0	0,0,0
424	0.03	0.20	0.03	156,119,164	0.0	0.0	0.0	0,0,0
425	0.03	0.27	0.03	144,145,164	0.0	0.0	0.0	0,0,0
426	0.01	0.12	0.02	107,150,164	0.0	0.0	0.0	0,0,0
427	0.04	0.24	0.03	119,119,164	0.0	0.0	0.0	0,0,0
428	0.03	0.32	0.04	107,141,164	0.0	0.0	0.0	0,0,0
429	0.02	0.12	0.02	107,112,164	0.0	0.0	0.0	0,0,0
430	0.05	0.58	0.04	148,119,164	0.0	0.0	0.0	0,0,0
431	0.06	0.32	0.03	148,119,164	0.0	0.0	0.0	0,0,0
432	0.06	0.26	0.04	148,119,164	0.0	0.0	0.0	0,0,0
433	0.06	0.22	0.04	156,156,164	0.0	0.0	0.0	0,0,0
434	0.05	0.21	0.04	156,119,164	0.0	0.0	0.0	0,0,0
435	0.05	0.24	0.04	156,152,164	0.0	0.0	0.0	0,0,0
436	0.05	0.25	0.03	156,152,164	0.0	0.0	0.0	0,0,0
437	0.04	0.26	0.03	156,152,164	0.0	0.0	0.0	0,0,0
438	0.04	0.24	0.04	156,141,164	0.0	0.0	0.0	0,0,0
439	0.04	0.21	0.04	156,152,164	0.0	0.0	0.0	0,0,0
440	0.04	0.22	0.04	145,141,164	0.0	0.0	0.0	0,0,0
441	0.04	0.25	0.03	137,141,164	0.0	0.0	0.0	0,0,0
442	0.05	0.26	0.03	141,141,164	0.0	0.0	0.0	0,0,0
443	0.05	0.24	0.04	145,141,164	0.0	0.0	0.0	0,0,0
444	0.06	0.21	0.04	145,141,164	0.0	0.0	0.0	0,0,0
446	0.05	0.22	0.04	145,145,164	0.0	0.0	0.0	0,0,0
447	0.05	0.40	0.04	145,107,164	0.0	0.0	0.0	0,0,0
448	0.03	0.32	0.02	119,112,164	0.0	0.0	0.0	0,0,0
449	0.03	0.24	0.03	107,119,164	0.0	0.0	0.0	0,0,0
450	0.02	0.15	0.02	107,112,164	0.0	0.0	0.0	0,0,0
451	0.04	0.25	6.85e-03	122,112,164	0.0	0.0	0.0	0,0,0
452	0.02	0.20	0.02	107,145,164	0.0	0.0	0.0	0,0,0
453	0.02	0.15	0.02	107,112,164	0.0	0.0	0.0	0,0,0
454	0.23	0.28	6.09e-03	122,155,164	0.04	0.02	0.0	155,159,0
455	0.02	0.15	0.02	145,141,164	0.0	0.0	0.0	0,0,0
456	0.02	0.15	0.02	107,112,164	0.0	0.0	0.0	0,0,0
457	0.01	0.67	0.01	119,155,164	0.10	0.05	0.0	155,159,0
458	0.04	0.14	0.04	144,141,164	0.0	0.0	0.0	0,0,0
459	0.03	0.13	0.02	134,133,164	0.0	0.0	0.0	0,0,0
460	0.38	0.72	0.06	112,122,164	0.19	0.09	0.0	122,159,0
461	0.07	0.15	0.06	156,126,164	0.0	0.0	0.0	0,0,0
462	0.06	0.29	0.05	152,156,164	0.0	0.0	0.0	0,0,0
463	0.06	0.40	0.05	148,152,164	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
464	0.05	0.40	0.05	155,152,164	0.0	0.0	0.0	0,0,0
465	0.05	0.45	0.05	156,130,164	0.0	0.0	0.0	0,0,0
466	0.08	0.80	0.09	156,152,164	0.0	0.0	0.0	0,0,0
467	0.06	0.39	0.06	156,156,164	0.0	0.0	0.0	0,0,0
468	0.06	0.35	0.05	144,152,164	0.0	0.0	0.0	0,0,0
469	0.05	0.31	0.05	155,141,164	0.0	0.0	0.0	0,0,0
470	0.05	0.37	0.05	155,141,164	0.0	0.0	0.0	0,0,0
471	0.07	0.40	0.06	145,141,164	0.0	0.0	0.0	0,0,0
472	0.08	0.80	0.08	145,141,164	0.0	0.0	0.0	0,0,0
473	0.05	0.43	0.04	145,141,164	0.0	0.0	0.0	0,0,0
474	0.06	0.38	0.04	145,141,164	0.0	0.0	0.0	0,0,0
476	0.05	0.28	0.04	145,141,164	0.0	0.0	0.0	0,0,0
477	0.05	0.36	0.04	145,141,164	0.0	0.0	0.0	0,0,0
478	0.18	0.24	0.01	133,112,164	0.03	0.01	0.0	112,159,0
479	0.04	0.24	0.04	144,145,164	0.0	0.0	0.0	0,0,0
480	0.03	0.07	0.02	134,133,164	0.0	0.0	0.0	0,0,0
481	0.04	0.23	8.23e-03	133,155,164	0.0	0.0	0.0	0,0,0
482	0.02	0.21	0.02	145,145,164	0.0	0.0	0.0	0,0,0
483	0.02	0.14	0.02	141,141,164	0.0	0.0	0.0	0,0,0
484	0.03	0.29	5.67e-03	130,155,164	0.0	0.0	0.0	0,0,0
485	0.02	0.24	0.02	141,145,164	0.0	0.0	0.0	0,0,0
486	0.02	0.15	0.02	141,133,164	0.0	0.0	0.0	0,0,0
487	0.03	0.23	0.02	130,134,164	0.0	0.0	0.0	0,0,0
488	0.03	0.25	0.03	149,145,164	0.0	0.0	0.0	0,0,0
489	0.02	0.16	0.02	141,112,164	0.0	0.0	0.0	0,0,0
490	0.05	0.56	0.04	152,130,164	0.0	0.0	0.0	0,0,0
491	0.05	0.32	0.03	156,130,164	0.0	0.0	0.0	0,0,0
492	0.06	0.27	0.04	152,156,164	0.0	0.0	0.0	0,0,0
493	0.06	0.27	0.04	156,156,164	0.0	0.0	0.0	0,0,0
494	0.05	0.22	0.04	156,156,164	0.0	0.0	0.0	0,0,0
495	0.05	0.24	0.04	156,130,164	0.0	0.0	0.0	0,0,0
496	0.05	0.24	0.03	155,130,164	0.0	0.0	0.0	0,0,0
497	0.06	0.21	0.04	144,152,164	0.0	0.0	0.0	0,0,0
498	0.06	0.20	0.04	144,141,164	0.0	0.0	0.0	0,0,0
499	0.06	0.17	0.04	155,141,164	0.0	0.0	0.0	0,0,0
500	0.06	0.20	0.04	155,141,164	0.0	0.0	0.0	0,0,0
501	0.05	0.22	0.03	155,141,164	0.0	0.0	0.0	0,0,0
502	0.05	0.25	0.03	141,141,164	0.0	0.0	0.0	0,0,0
503	0.05	0.25	0.04	141,141,164	0.0	0.0	0.0	0,0,0
504	0.05	0.23	0.04	141,141,164	0.0	0.0	0.0	0,0,0
506	0.05	0.23	0.04	137,141,164	0.0	0.0	0.0	0,0,0
507	0.05	0.47	0.04	141,141,164	0.0	0.0	0.0	0,0,0
508	0.04	0.23	0.02	130,122,164	0.0	0.0	0.0	0,0,0
509	0.03	0.27	0.04	141,116,164	0.0	0.0	0.0	0,0,0
510	0.02	0.17	0.02	141,112,164	0.0	0.0	0.0	0,0,0
511	0.02	0.20	0.03	126,112,164	0.0	0.0	0.0	0,0,0
512	0.02	0.23	0.02	105,130,164	0.0	0.0	0.0	0,0,0
513	0.02	0.15	0.02	133,155,164	0.0	0.0	0.0	0,0,0
514	0.04	0.17	0.04	112,122,164	0.0	0.0	0.0	0,0,0
515	0.03	0.19	0.05	105,119,164	0.0	0.0	0.0	0,0,0
516	0.03	0.14	0.03	133,133,164	0.0	0.0	0.0	0,0,0
517	0.04	0.18	0.04	112,155,164	0.0	0.0	0.0	0,0,0
518	0.04	0.13	0.05	107,128,164	0.0	0.0	0.0	0,0,0
519	0.03	0.08	0.03	133,128,164	0.0	0.0	0.0	0,0,0
520	0.03	0.24	0.03	134,122,164	0.0	0.0	0.0	0,0,0
521	0.04	0.29	0.03	156,112,164	0.0	0.0	0.0	0,0,0
522	0.03	0.34	0.02	152,112,164	0.0	0.0	0.0	0,0,0
523	0.03	0.32	0.01	148,112,164	0.0	0.0	0.0	0,0,0
524	0.09	0.62	8.93e-03	133,112,164	0.11	0.05	0.0	112,159,0
525	0.18	0.35	0.02	155,155,164	0.0	0.0	0.0	0,0,0
526	0.13	0.27	0.03	144,130,164	0.0	0.0	0.0	0,0,0
527	0.13	0.17	0.03	155,130,164	0.0	0.0	0.0	0,0,0
528	0.13	0.22	0.03	155,130,164	0.0	0.0	0.0	0,0,0
529	0.14	0.26	0.03	133,130,164	0.0	0.0	0.0	0,0,0
530	0.14	0.19	0.03	133,130,164	0.0	0.0	0.0	0,0,0
531	0.17	0.23	0.03	133,112,164	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
532	0.09	0.62	0.03	144,133,164	0.12	0.05	0.0	133,159,0
533	0.04	0.45	0.02	144,133,164	0.0	0.0	0.0	0,0,0
534	0.03	0.45	0.01	144,133,164	0.0	0.0	0.0	0,0,0
536	0.02	0.31	0.01	137,133,164	0.0	0.0	0.0	0,0,0
537	0.02	0.18	0.02	137,134,164	0.0	0.0	0.0	0,0,0
538	0.02	0.20	0.03	112,119,164	0.0	0.0	0.0	0,0,0
539	0.02	0.14	0.02	138,139,164	0.0	0.0	0.0	0,0,0
540	0.02	0.14	0.02	112,133,164	0.0	0.0	0.0	0,0,0
541	0.02	0.25	0.03	107,133,164	0.0	0.0	0.0	0,0,0
542	0.01	0.10	0.01	148,152,164	0.0	0.0	0.0	0,0,0
543	0.02	0.14	0.02	156,152,164	0.0	0.0	0.0	0,0,0
544	0.01	0.13	0.01	156,110,164	0.0	0.0	0.0	0,0,0
545	0.02	0.13	8.13e-03	156,156,164	0.0	0.0	0.0	0,0,0
546	0.02	0.13	8.02e-03	156,152,164	0.0	0.0	0.0	0,0,0
547	0.02	0.13	0.01	156,152,164	0.0	0.0	0.0	0,0,0
548	0.02	0.09	0.01	156,152,164	0.0	0.0	0.0	0,0,0
549	0.03	0.13	0.01	156,152,164	0.0	0.0	0.0	0,0,0
550	0.03	0.19	0.01	156,156,164	0.0	0.0	0.0	0,0,0
551	0.03	0.13	0.01	156,156,164	0.0	0.0	0.0	0,0,0
552	0.03	0.14	9.69e-03	156,152,164	0.0	0.0	0.0	0,0,0
553	0.02	0.09	0.01	156,152,164	0.0	0.0	0.0	0,0,0
554	0.02	0.10	0.01	156,119,164	0.0	0.0	0.0	0,0,0
555	0.01	0.14	0.01	156,152,164	0.0	0.0	0.0	0,0,0
556	0.02	0.12	0.01	123,152,164	0.0	0.0	0.0	0,0,0
558	0.01	0.08	8.92e-03	141,156,164	0.0	0.0	0.0	0,0,0
559	0.01	0.14	0.01	133,141,164	0.0	0.0	0.0	0,0,0
560	0.02	0.17	0.01	133,133,164	0.0	0.0	0.0	0,0,0
561	0.01	0.16	0.01	144,133,164	0.0	0.0	0.0	0,0,0
562	0.02	0.08	0.02	112,119,164	0.0	0.0	0.0	0,0,0
563	0.02	0.15	0.02	133,145,164	0.0	0.0	0.0	0,0,0
564	0.01	0.15	0.01	148,133,164	0.0	0.0	0.0	0,0,0
565	0.02	0.11	0.02	155,155,164	0.0	0.0	0.0	0,0,0
566	0.02	0.25	0.02	145,133,164	0.0	0.0	0.0	0,0,0
567	0.01	0.07	0.01	137,133,164	0.0	0.0	0.0	0,0,0
568	0.02	0.16	0.02	155,122,164	0.0	0.0	0.0	0,0,0
569	0.02	0.29	0.02	145,134,164	0.0	0.0	0.0	0,0,0
570	9.00e-03	0.07	0.01	123,152,164	0.0	0.0	0.0	0,0,0
571	0.03	0.35	0.02	119,119,164	0.0	0.0	0.0	0,0,0
572	0.03	0.42	0.03	107,107,164	0.0	0.0	0.0	0,0,0
573	8.85e-03	0.06	8.23e-03	130,141,164	0.0	0.0	0.0	0,0,0
574	0.02	0.28	0.02	123,119,164	0.0	0.0	0.0	0,0,0
575	0.02	0.32	0.02	141,107,164	0.0	0.0	0.0	0,0,0
576	8.82e-03	0.08	9.24e-03	133,133,164	0.0	0.0	0.0	0,0,0
577	0.03	0.21	0.01	133,155,164	0.0	0.0	0.0	0,0,0
578	0.01	0.16	0.02	107,145,164	0.0	0.0	0.0	0,0,0
579	0.01	0.10	9.66e-03	133,133,164	0.0	0.0	0.0	0,0,0
580	0.09	0.69	0.01	112,155,164	0.02	0.0	0.0	155,0,0
581	0.01	0.09	0.02	107,108,164	0.0	0.0	0.0	0,0,0
582	0.01	0.11	0.01	133,133,164	0.0	0.0	0.0	0,0,0
583	0.18	0.64	0.01	122,122,164	0.04	0.02	0.0	122,159,0
584	0.03	0.13	0.03	107,150,164	0.0	0.0	0.0	0,0,0
585	0.01	0.10	0.02	133,133,164	0.0	0.0	0.0	0,0,0
586	0.08	0.50	0.01	112,133,164	0.01	0.0	0.0	112,0,0
587	0.03	0.17	0.03	138,145,164	0.0	0.0	0.0	0,0,0
588	0.01	0.05	0.02	107,112,164	0.0	0.0	0.0	0,0,0
589	0.03	0.13	0.01	122,155,164	0.0	0.0	0.0	0,0,0
590	0.02	0.18	0.02	141,145,164	0.0	0.0	0.0	0,0,0
591	9.57e-03	0.07	0.01	152,141,164	0.0	0.0	0.0	0,0,0
592	0.02	0.15	9.83e-03	130,130,164	0.0	0.0	0.0	0,0,0
593	0.01	0.19	0.02	138,145,164	0.0	0.0	0.0	0,0,0
594	7.33e-03	0.08	8.34e-03	152,112,164	0.0	0.0	0.0	0,0,0
595	0.02	0.28	0.01	134,130,164	0.0	0.0	0.0	0,0,0
596	0.02	0.33	0.02	141,141,164	0.0	0.0	0.0	0,0,0
597	7.91e-03	0.12	8.86e-03	133,112,164	0.0	0.0	0.0	0,0,0
598	0.03	0.35	0.02	130,130,164	0.0	0.0	0.0	0,0,0
599	0.03	0.40	0.03	141,138,164	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
600	9.35e-03	0.13	8.79e-03	133,112,164	0.0	0.0	0.0	0,0,0
601	0.02	0.19	0.02	134,122,164	0.0	0.0	0.0	0,0,0
602	0.02	0.24	0.02	141,119,164	0.0	0.0	0.0	0,0,0
603	0.01	0.15	0.01	133,112,164	0.0	0.0	0.0	0,0,0
604	0.02	0.17	0.02	134,133,164	0.0	0.0	0.0	0,0,0
605	0.02	0.20	0.02	105,130,164	0.0	0.0	0.0	0,0,0
606	0.01	0.15	0.01	112,112,164	0.0	0.0	0.0	0,0,0
607	0.02	0.10	0.02	122,155,164	0.0	0.0	0.0	0,0,0
608	0.02	0.09	0.02	107,130,164	0.0	0.0	0.0	0,0,0
609	0.01	0.09	0.01	144,144,164	0.0	0.0	0.0	0,0,0
610	0.03	0.14	0.01	133,122,164	0.0	0.0	0.0	0,0,0
611	0.02	0.14	0.01	112,112,164	0.0	0.0	0.0	0,0,0
612	0.02	0.19	9.93e-03	122,112,164	0.0	0.0	0.0	0,0,0
613	0.02	0.24	6.89e-03	122,112,164	0.0	0.0	0.0	0,0,0
614	0.07	0.69	6.72e-03	144,133,164	0.18	0.0	0.0	133,0,0
615	0.15	0.30	0.03	144,133,164	0.0	0.0	0.0	0,0,0
616	0.15	0.32	0.01	144,144,164	0.0	0.0	0.0	0,0,0
617	0.07	0.69	0.01	133,144,164	0.17	0.08	0.0	144,159,0
618	0.02	0.30	0.01	133,133,164	0.0	0.0	0.0	0,0,0
619	0.02	0.24	8.86e-03	133,133,164	0.0	0.0	0.0	0,0,0
621	0.01	0.13	6.99e-03	133,133,164	0.0	0.0	0.0	0,0,0
622	0.01	0.13	0.01	112,152,164	0.0	0.0	0.0	0,0,0
623	0.03	0.16	0.04	116,119,164	0.0	0.0	0.0	0,0,0
624	0.03	0.19	0.02	112,144,164	0.0	0.0	0.0	0,0,0
625	0.01	0.15	0.01	133,141,164	0.0	0.0	0.0	0,0,0
626	0.01	0.16	0.01	144,144,164	0.0	0.0	0.0	0,0,0
627	0.01	0.29	0.01	119,144,164	0.0	0.0	0.0	0,0,0
628	0.02	0.05	0.01	148,119,164	0.0	0.0	0.0	0,0,0
629	0.02	0.09	7.99e-03	156,152,164	0.0	0.0	0.0	0,0,0
630	0.02	0.08	6.55e-03	152,152,164	0.0	0.0	0.0	0,0,0
631	0.02	0.05	6.90e-03	148,152,164	0.0	0.0	0.0	0,0,0
632	9.33e-03	0.03	7.27e-03	152,152,164	0.0	0.0	0.0	0,0,0
633	7.87e-03	0.03	7.50e-03	152,152,164	0.0	0.0	0.0	0,0,0
634	9.09e-03	0.02	6.71e-03	145,119,164	0.0	0.0	0.0	0,0,0
635	0.01	0.04	8.79e-03	145,119,164	0.0	0.0	0.0	0,0,0
636	0.01	0.05	0.01	134,156,164	0.0	0.0	0.0	0,0,0
637	0.01	0.04	0.01	134,156,164	0.0	0.0	0.0	0,0,0
638	0.01	0.03	0.01	134,156,164	0.0	0.0	0.0	0,0,0
639	0.01	0.01	9.24e-03	134,134,164	0.0	0.0	0.0	0,0,0
640	0.02	0.03	9.88e-03	134,152,164	0.0	0.0	0.0	0,0,0
641	0.02	0.05	0.01	145,152,164	0.0	0.0	0.0	0,0,0
642	0.02	0.05	0.01	145,152,164	0.0	0.0	0.0	0,0,0
644	0.02	0.03	0.01	123,152,164	0.0	0.0	0.0	0,0,0
645	0.02	0.02	0.01	134,150,164	0.0	0.0	0.0	0,0,0
646	0.02	0.09	0.01	123,133,164	0.0	0.0	0.0	0,0,0
647	0.01	0.14	9.95e-03	133,133,164	0.0	0.0	0.0	0,0,0
648	0.02	0.08	0.01	148,152,164	0.0	0.0	0.0	0,0,0
649	0.02	0.15	0.01	133,145,164	0.0	0.0	0.0	0,0,0
650	7.23e-03	0.16	7.22e-03	144,133,164	0.0	0.0	0.0	0,0,0
651	0.02	0.11	0.01	123,156,164	0.0	0.0	0.0	0,0,0
652	0.01	0.24	0.02	133,123,164	0.0	0.0	0.0	0,0,0
653	7.45e-03	0.08	8.37e-03	123,133,164	0.0	0.0	0.0	0,0,0
654	0.01	0.11	0.01	155,119,164	0.0	0.0	0.0	0,0,0
655	0.01	0.25	0.01	144,123,164	0.0	0.0	0.0	0,0,0
656	8.11e-03	0.04	8.85e-03	123,133,164	0.0	0.0	0.0	0,0,0
657	0.01	0.10	0.01	122,152,164	0.0	0.0	0.0	0,0,0
658	0.01	0.23	0.01	119,134,164	0.0	0.0	0.0	0,0,0
659	9.64e-03	0.02	0.01	123,112,164	0.0	0.0	0.0	0,0,0
660	0.02	0.08	0.01	122,152,164	0.0	0.0	0.0	0,0,0
661	0.01	0.20	9.68e-03	119,123,164	0.0	0.0	0.0	0,0,0
662	0.01	0.05	0.01	134,112,164	0.0	0.0	0.0	0,0,0
663	0.02	0.22	0.01	133,155,164	0.0	0.0	0.0	0,0,0
664	0.01	0.12	8.53e-03	119,123,164	0.0	0.0	0.0	0,0,0
665	0.01	0.07	0.01	134,112,164	0.0	0.0	0.0	0,0,0
666	0.04	0.31	0.01	155,155,164	0.0	0.0	0.0	0,0,0
667	0.01	0.07	8.53e-03	123,134,164	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
668	0.01	0.09	0.01	134,112,164	0.0	0.0	0.0	0,0,0
669	0.06	0.53	0.01	122,133,164	0.0	0.0	0.0	0,0,0
670	0.02	0.08	8.98e-03	130,134,164	0.0	0.0	0.0	0,0,0
671	0.01	0.08	0.01	134,112,164	0.0	0.0	0.0	0,0,0
672	0.04	0.26	0.01	122,112,164	0.0	0.0	0.0	0,0,0
673	0.01	0.09	8.86e-03	119,144,164	0.0	0.0	0.0	0,0,0
674	0.01	0.05	0.01	134,112,164	0.0	0.0	0.0	0,0,0
675	0.02	0.11	0.01	122,122,164	0.0	0.0	0.0	0,0,0
676	0.01	0.12	8.59e-03	130,144,164	0.0	0.0	0.0	0,0,0
677	0.01	0.02	0.01	152,112,164	0.0	0.0	0.0	0,0,0
678	0.02	0.06	0.01	133,130,164	0.0	0.0	0.0	0,0,0
679	0.01	0.12	8.51e-03	130,144,164	0.0	0.0	0.0	0,0,0
680	0.01	0.06	0.01	141,112,164	0.0	0.0	0.0	0,0,0
681	0.02	0.08	0.01	133,122,164	0.0	0.0	0.0	0,0,0
682	0.01	0.15	8.44e-03	126,130,164	0.0	0.0	0.0	0,0,0
683	0.01	0.10	0.01	141,112,164	0.0	0.0	0.0	0,0,0
684	0.02	0.12	0.01	134,133,164	0.0	0.0	0.0	0,0,0
685	0.01	0.18	0.01	130,130,164	0.0	0.0	0.0	0,0,0
686	0.01	0.12	0.01	141,144,164	0.0	0.0	0.0	0,0,0
687	0.02	0.14	0.01	134,133,164	0.0	0.0	0.0	0,0,0
688	0.01	0.20	0.01	130,130,164	0.0	0.0	0.0	0,0,0
689	0.01	0.14	0.01	133,144,164	0.0	0.0	0.0	0,0,0
690	0.02	0.13	0.01	134,133,164	0.0	0.0	0.0	0,0,0
691	0.01	0.18	0.01	130,130,164	0.0	0.0	0.0	0,0,0
692	0.01	0.13	9.23e-03	133,144,164	0.0	0.0	0.0	0,0,0
693	0.03	0.10	9.79e-03	122,122,164	0.0	0.0	0.0	0,0,0
694	0.01	0.10	0.01	112,119,164	0.0	0.0	0.0	0,0,0
695	0.02	0.08	8.95e-03	144,144,164	0.0	0.0	0.0	0,0,0
696	0.03	0.12	6.11e-03	133,133,164	0.0	0.0	0.0	0,0,0
697	0.02	0.12	5.21e-03	156,133,164	0.0	0.0	0.0	0,0,0
698	0.02	0.15	5.05e-03	148,133,164	0.0	0.0	0.0	0,0,0
699	0.02	0.15	4.21e-03	148,133,164	0.0	0.0	0.0	0,0,0
700	0.01	0.11	5.75e-03	152,133,164	0.0	0.0	0.0	0,0,0
701	0.01	0.09	7.03e-03	155,112,164	0.0	0.0	0.0	0,0,0
702	0.01	0.12	6.78e-03	144,112,164	0.0	0.0	0.0	0,0,0
...								
793	8.01e-03	0.10	5.71e-03	133,155,164	0.0	0.0	0.0	0,0,0
Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.38	0.80	0.09		0.19	0.09	0.0	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.01	0.04	0.01	148,155,164	0.0	0.0	0.0	0,0,0
2	0.02	0.15	0.03	119,122,164	0.0	0.0	0.0	0,0,0
3	0.02	0.11	0.03	122,112,164	0.0	0.0	0.0	0,0,0
4	0.02	0.12	0.03	112,150,164	0.0	0.0	0.0	0,0,0
5	0.02	0.11	0.02	112,150,164	0.0	0.0	0.0	0,0,0
6	0.01	0.11	0.01	122,150,164	0.0	0.0	0.0	0,0,0
7	0.02	0.10	0.02	137,150,164	0.0	0.0	0.0	0,0,0
8	0.02	0.09	0.03	122,122,164	0.0	0.0	0.0	0,0,0
9	0.02	0.12	0.03	122,108,164	0.0	0.0	0.0	0,0,0
10	0.02	0.13	0.02	156,139,164	0.0	0.0	0.0	0,0,0
11	0.01	0.13	0.01	144,139,164	0.0	0.0	0.0	0,0,0
12	0.02	0.14	0.02	137,128,164	0.0	0.0	0.0	0,0,0
13	0.02	0.14	0.03	144,117,164	0.0	0.0	0.0	0,0,0
14	0.02	0.10	0.03	105,128,164	0.0	0.0	0.0	0,0,0
15	0.01	0.15	0.01	148,128,164	0.0	0.0	0.0	0,0,0
16	0.01	0.17	5.77e-03	155,130,164	0.0	0.0	0.0	0,0,0
17	0.02	0.08	0.02	107,144,164	0.0	0.0	0.0	0,0,0
18	0.01	0.19	9.98e-03	112,130,164	0.0	0.0	0.0	0,0,0
19	0.02	0.21	0.02	112,130,164	0.0	0.0	0.0	0,0,0
20	0.02	0.21	0.03	148,134,164	0.0	0.0	0.0	0,0,0
21	0.02	0.16	0.03	152,144,164	0.0	0.0	0.0	0,0,0
22	0.01	0.05	0.01	137,139,164	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
23	0.04	0.19	0.04	152,155,164	0.0	0.0	0.0	0,0,0
24	0.13	0.68	0.16	156,155,164	0.0	0.0	0.0	0,0,0
25	0.15	0.58	0.18	155,152,164	0.0	0.0	0.0	0,0,0
26	0.06	0.29	0.07	156,155,164	0.0	0.0	0.0	0,0,0
27	0.04	0.19	0.04	156,152,164	0.0	0.0	0.0	0,0,0
28	0.05	0.21	0.04	156,152,164	0.0	0.0	0.0	0,0,0
29	0.08	0.38	0.09	152,156,164	0.0	0.0	0.0	0,0,0
30	0.16	0.69	0.19	156,155,164	0.0	0.0	0.0	0,0,0
31	0.16	0.64	0.19	156,152,164	0.0	0.0	0.0	0,0,0
32	0.07	0.29	0.07	156,156,164	0.0	0.0	0.0	0,0,0
33	0.05	0.19	0.04	145,141,164	0.0	0.0	0.0	0,0,0
34	0.07	0.30	0.07	141,145,164	0.0	0.0	0.0	0,0,0
35	0.16	0.64	0.19	145,141,164	0.0	0.0	0.0	0,0,0
36	0.16	0.68	0.18	145,144,164	0.0	0.0	0.0	0,0,0
37	0.08	0.36	0.09	141,145,164	0.0	0.0	0.0	0,0,0
38	0.04	0.18	0.04	145,141,164	0.0	0.0	0.0	0,0,0
39	0.02	0.10	0.02	130,134,164	0.0	0.0	0.0	0,0,0
40	0.03	0.19	0.03	133,130,164	0.0	0.0	0.0	0,0,0
41	0.03	0.20	0.04	141,119,164	0.0	0.0	0.0	0,0,0
42	0.13	0.54	0.17	145,139,164	0.0	0.0	0.0	0,0,0
43	0.12	0.61	0.15	137,144,164	0.0	0.0	0.0	0,0,0
44	0.03	0.13	0.03	137,144,164	0.0	0.0	0.0	0,0,0
45	0.15	0.60	0.18	155,117,164	0.0	0.0	0.0	0,0,0
46	0.14	0.54	0.16	156,108,164	0.0	0.0	0.0	0,0,0
47	0.17	0.65	0.20	156,152,164	0.0	0.0	0.0	0,0,0
48	0.16	0.59	0.18	156,152,164	0.0	0.0	0.0	0,0,0
49	0.16	0.59	0.18	145,139,164	0.0	0.0	0.0	0,0,0
50	0.17	0.65	0.20	145,141,164	0.0	0.0	0.0	0,0,0
51	0.12	0.54	0.16	152,144,164	0.0	0.0	0.0	0,0,0
52	0.13	0.51	0.17	145,139,164	0.0	0.0	0.0	0,0,0
53	0.04	0.16	0.04	152,112,164	0.0	0.0	0.0	0,0,0
54	0.06	0.28	0.06	156,117,164	0.0	0.0	0.0	0,0,0
55	0.04	0.17	0.04	156,152,164	0.0	0.0	0.0	0,0,0
56	0.05	0.19	0.04	156,152,164	0.0	0.0	0.0	0,0,0
57	0.08	0.32	0.09	156,152,164	0.0	0.0	0.0	0,0,0
58	0.07	0.27	0.07	156,152,164	0.0	0.0	0.0	0,0,0
59	0.04	0.18	0.04	145,141,164	0.0	0.0	0.0	0,0,0
60	0.07	0.27	0.07	145,141,164	0.0	0.0	0.0	0,0,0
61	0.08	0.31	0.09	145,141,164	0.0	0.0	0.0	0,0,0
62	0.04	0.17	0.04	145,141,164	0.0	0.0	0.0	0,0,0
63	0.02	0.07	0.02	138,144,164	0.0	0.0	0.0	0,0,0
64	0.03	0.15	0.03	133,130,164	0.0	0.0	0.0	0,0,0
65	0.03	0.16	0.03	137,119,164	0.0	0.0	0.0	0,0,0
66	0.03	0.10	0.03	141,128,164	0.0	0.0	0.0	0,0,0
67	0.05	0.20	0.06	122,122,164	0.0	0.0	0.0	0,0,0
68	0.05	0.24	0.05	123,108,164	0.0	0.0	0.0	0,0,0
69	0.04	0.19	0.04	156,150,164	0.0	0.0	0.0	0,0,0
70	0.04	0.20	0.04	156,150,164	0.0	0.0	0.0	0,0,0
71	0.04	0.21	0.05	145,139,164	0.0	0.0	0.0	0,0,0
72	0.04	0.21	0.05	145,139,164	0.0	0.0	0.0	0,0,0
73	0.04	0.18	0.05	105,117,164	0.0	0.0	0.0	0,0,0
74	0.04	0.21	0.05	141,155,164	0.0	0.0	0.0	0,0,0
75	0.03	0.19	0.03	153,112,164	0.0	0.0	0.0	0,0,0
76	0.03	0.12	0.03	112,112,164	0.0	0.0	0.0	0,0,0
77	0.03	0.14	0.04	112,108,164	0.0	0.0	0.0	0,0,0
78	0.03	0.15	0.04	112,108,164	0.0	0.0	0.0	0,0,0
79	0.04	0.15	0.04	156,152,164	0.0	0.0	0.0	0,0,0
80	0.03	0.15	0.03	145,108,164	0.0	0.0	0.0	0,0,0
81	0.02	0.15	0.03	110,108,164	0.0	0.0	0.0	0,0,0
82	0.03	0.15	0.03	156,117,164	0.0	0.0	0.0	0,0,0
83	0.04	0.18	0.04	145,139,164	0.0	0.0	0.0	0,0,0
84	0.04	0.16	0.04	133,117,164	0.0	0.0	0.0	0,0,0
85	0.02	0.10	0.02	130,134,164	0.0	0.0	0.0	0,0,0
86	0.03	0.16	0.04	133,128,164	0.0	0.0	0.0	0,0,0
87	0.03	0.13	0.03	133,119,164	0.0	0.0	0.0	0,0,0
88	0.02	0.10	0.02	141,108,164	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
89	0.02	0.32	0.02	156,122,164	0.0	0.0	0.0	0,0,0
90	0.05	0.30	0.05	155,122,164	0.0	0.0	0.0	0,0,0
91	0.06	0.24	0.06	155,122,164	0.0	0.0	0.0	0,0,0
92	0.06	0.22	0.06	155,108,164	0.0	0.0	0.0	0,0,0
93	0.06	0.22	0.06	155,139,164	0.0	0.0	0.0	0,0,0
94	0.06	0.24	0.07	153,108,164	0.0	0.0	0.0	0,0,0
95	0.06	0.26	0.08	110,108,164	0.0	0.0	0.0	0,0,0
96	0.06	0.27	0.08	110,108,164	0.0	0.0	0.0	0,0,0
97	0.06	0.27	0.08	110,108,164	0.0	0.0	0.0	0,0,0
98	0.06	0.25	0.07	105,108,164	0.0	0.0	0.0	0,0,0
99	0.05	0.23	0.07	105,108,164	0.0	0.0	0.0	0,0,0
100	0.06	0.25	0.07	135,108,164	0.0	0.0	0.0	0,0,0
101	0.06	0.26	0.08	142,108,164	0.0	0.0	0.0	0,0,0
102	0.06	0.26	0.08	142,108,164	0.0	0.0	0.0	0,0,0
103	0.06	0.25	0.07	145,128,164	0.0	0.0	0.0	0,0,0
104	0.05	0.23	0.06	145,128,164	0.0	0.0	0.0	0,0,0
105	0.02	0.07	0.02	138,138,164	0.0	0.0	0.0	0,0,0
106	0.05	0.20	0.05	145,128,164	0.0	0.0	0.0	0,0,0
107	0.03	0.17	0.04	144,128,164	0.0	0.0	0.0	0,0,0
108	0.02	0.17	0.02	144,128,164	0.0	0.0	0.0	0,0,0
109	0.02	0.12	0.02	144,128,164	0.0	0.0	0.0	0,0,0
110	0.01	0.10	0.01	144,108,164	0.0	0.0	0.0	0,0,0
111	0.02	0.42	0.02	155,122,164	0.0	0.0	0.0	0,0,0
112	0.05	0.39	0.05	112,122,164	0.0	0.0	0.0	0,0,0
113	0.06	0.22	0.06	112,112,164	0.0	0.0	0.0	0,0,0
114	0.06	0.21	0.06	112,108,164	0.0	0.0	0.0	0,0,0
115	0.05	0.22	0.06	112,108,164	0.0	0.0	0.0	0,0,0
116	0.06	0.24	0.07	110,108,164	0.0	0.0	0.0	0,0,0
117	0.06	0.26	0.08	110,108,164	0.0	0.0	0.0	0,0,0
118	0.06	0.26	0.08	110,108,164	0.0	0.0	0.0	0,0,0
119	0.06	0.26	0.08	110,108,164	0.0	0.0	0.0	0,0,0
120	0.06	0.25	0.07	105,108,164	0.0	0.0	0.0	0,0,0
121	0.05	0.23	0.07	105,108,164	0.0	0.0	0.0	0,0,0
122	0.06	0.25	0.07	110,108,164	0.0	0.0	0.0	0,0,0
123	0.06	0.26	0.07	110,128,164	0.0	0.0	0.0	0,0,0
124	0.06	0.26	0.07	110,128,164	0.0	0.0	0.0	0,0,0
125	0.06	0.26	0.07	131,128,164	0.0	0.0	0.0	0,0,0
126	0.05	0.24	0.06	131,117,164	0.0	0.0	0.0	0,0,0
127	0.02	0.08	0.02	130,134,164	0.0	0.0	0.0	0,0,0
128	0.04	0.20	0.05	133,117,164	0.0	0.0	0.0	0,0,0
129	0.03	0.16	0.04	112,128,164	0.0	0.0	0.0	0,0,0
130	0.02	0.16	0.01	112,128,164	0.0	0.0	0.0	0,0,0
131	0.01	0.12	0.01	144,128,164	0.0	0.0	0.0	0,0,0
132	0.01	0.10	4.89e-03	144,108,164	0.0	0.0	0.0	0,0,0
133	0.07	0.43	4.95e-03	112,122,164	0.0	0.0	0.0	0,0,0
134	0.05	0.45	0.02	112,112,164	0.0	0.0	0.0	0,0,0
135	0.05	0.20	0.03	112,155,164	0.0	0.0	0.0	0,0,0
136	0.04	0.15	0.04	112,108,164	0.0	0.0	0.0	0,0,0
137	0.04	0.16	0.04	112,108,164	0.0	0.0	0.0	0,0,0
138	0.04	0.17	0.05	112,108,164	0.0	0.0	0.0	0,0,0
139	0.04	0.18	0.05	105,108,164	0.0	0.0	0.0	0,0,0
140	0.04	0.19	0.05	105,108,164	0.0	0.0	0.0	0,0,0
141	0.04	0.19	0.05	105,108,164	0.0	0.0	0.0	0,0,0
142	0.04	0.18	0.05	105,108,164	0.0	0.0	0.0	0,0,0
143	0.04	0.18	0.05	105,117,164	0.0	0.0	0.0	0,0,0
144	0.04	0.18	0.05	105,117,164	0.0	0.0	0.0	0,0,0
145	0.04	0.18	0.05	110,117,164	0.0	0.0	0.0	0,0,0
146	0.04	0.19	0.05	110,117,164	0.0	0.0	0.0	0,0,0
147	0.04	0.18	0.04	120,117,164	0.0	0.0	0.0	0,0,0
148	0.03	0.16	0.04	131,117,164	0.0	0.0	0.0	0,0,0
149	0.02	0.07	0.02	138,138,164	0.0	0.0	0.0	0,0,0
150	0.03	0.14	0.03	133,128,164	0.0	0.0	0.0	0,0,0
151	0.02	0.13	0.02	144,128,164	0.0	0.0	0.0	0,0,0
152	0.02	0.13	0.02	155,117,164	0.0	0.0	0.0	0,0,0
153	0.01	0.11	0.02	105,128,164	0.0	0.0	0.0	0,0,0
154	7.19e-03	0.10	4.69e-03	133,108,164	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
155	0.10	0.72	3.92e-03	122,155,164	0.19	0.0	0.0	122,0,0
156	0.10	0.71	0.01	122,155,164	0.0	0.0	0.0	0,0,0
157	0.05	0.11	0.02	122,150,164	0.0	0.0	0.0	0,0,0
158	0.04	0.13	0.02	122,150,164	0.0	0.0	0.0	0,0,0
159	0.03	0.15	0.03	155,108,164	0.0	0.0	0.0	0,0,0
160	0.03	0.15	0.03	155,108,164	0.0	0.0	0.0	0,0,0
161	0.02	0.12	0.03	105,108,164	0.0	0.0	0.0	0,0,0
162	0.02	0.12	0.03	105,150,164	0.0	0.0	0.0	0,0,0
163	0.02	0.13	0.03	110,139,164	0.0	0.0	0.0	0,0,0
164	0.03	0.18	0.03	110,108,164	0.0	0.0	0.0	0,0,0
165	0.03	0.19	0.03	120,128,164	0.0	0.0	0.0	0,0,0
166	0.03	0.19	0.03	122,117,164	0.0	0.0	0.0	0,0,0
167	0.02	0.14	0.03	145,117,164	0.0	0.0	0.0	0,0,0
168	0.02	0.12	0.03	137,139,164	0.0	0.0	0.0	0,0,0
169	0.02	0.12	0.02	123,128,164	0.0	0.0	0.0	0,0,0
170	0.03	0.14	0.02	123,128,164	0.0	0.0	0.0	0,0,0
171	0.02	0.07	0.02	130,119,164	0.0	0.0	0.0	0,0,0
172	0.03	0.14	0.02	133,128,164	0.0	0.0	0.0	0,0,0
173	0.02	0.13	0.02	133,117,164	0.0	0.0	0.0	0,0,0
174	0.04	0.22	0.05	105,117,164	0.0	0.0	0.0	0,0,0
175	0.04	0.15	0.05	107,105,164	0.0	0.0	0.0	0,0,0
176	0.01	0.11	0.01	105,139,164	0.0	0.0	0.0	0,0,0
177	0.19	0.46	0.02	122,155,164	0.0	0.0	0.0	0,0,0
178	0.23	0.24	0.05	122,133,164	0.0	0.0	0.0	0,0,0
179	0.09	0.16	0.06	133,133,164	0.0	0.0	0.0	0,0,0
180	0.05	0.19	0.03	122,150,164	0.0	0.0	0.0	0,0,0
181	0.04	0.21	0.03	155,150,164	0.0	0.0	0.0	0,0,0
182	0.04	0.21	0.03	155,150,164	0.0	0.0	0.0	0,0,0
183	0.05	0.22	0.06	123,117,164	0.0	0.0	0.0	0,0,0
184	0.08	0.33	0.09	122,128,164	0.0	0.0	0.0	0,0,0
185	0.08	0.30	0.09	122,128,164	0.0	0.0	0.0	0,0,0
186	0.04	0.25	0.04	155,150,164	0.0	0.0	0.0	0,0,0
187	0.04	0.24	0.03	155,117,164	0.0	0.0	0.0	0,0,0
188	0.04	0.24	0.03	122,117,164	0.0	0.0	0.0	0,0,0
189	0.08	0.31	0.09	112,117,164	0.0	0.0	0.0	0,0,0
190	0.08	0.33	0.09	133,117,164	0.0	0.0	0.0	0,0,0
191	0.05	0.22	0.06	112,139,164	0.0	0.0	0.0	0,0,0
192	0.03	0.19	0.03	133,117,164	0.0	0.0	0.0	0,0,0
193	0.02	0.07	0.02	138,149,164	0.0	0.0	0.0	0,0,0
194	0.03	0.19	0.03	133,117,164	0.0	0.0	0.0	0,0,0
195	0.03	0.16	0.03	144,119,164	0.0	0.0	0.0	0,0,0
196	0.14	0.54	0.18	135,128,164	0.0	0.0	0.0	0,0,0
197	0.12	0.52	0.16	105,108,164	0.0	0.0	0.0	0,0,0
198	0.02	0.10	0.03	142,117,164	0.0	0.0	0.0	0,0,0
199	0.08	0.69	0.02	133,112,164	0.0	0.0	0.0	0,0,0
200	0.08	0.62	0.06	133,112,164	0.0	0.0	0.0	0,0,0
201	0.06	0.15	0.05	133,152,164	0.0	0.0	0.0	0,0,0
202	0.05	0.17	0.03	155,108,164	0.0	0.0	0.0	0,0,0
203	0.04	0.21	0.03	112,108,164	0.0	0.0	0.0	0,0,0
204	0.04	0.21	0.03	112,108,164	0.0	0.0	0.0	0,0,0
205	0.06	0.22	0.06	156,128,164	0.0	0.0	0.0	0,0,0
206	0.09	0.33	0.09	155,117,164	0.0	0.0	0.0	0,0,0
207	0.08	0.30	0.09	155,150,164	0.0	0.0	0.0	0,0,0
208	0.04	0.24	0.04	112,108,164	0.0	0.0	0.0	0,0,0
209	0.04	0.24	0.03	122,117,164	0.0	0.0	0.0	0,0,0
210	0.04	0.24	0.03	122,117,164	0.0	0.0	0.0	0,0,0
211	0.08	0.32	0.09	144,139,164	0.0	0.0	0.0	0,0,0
212	0.09	0.33	0.09	144,139,164	0.0	0.0	0.0	0,0,0
213	0.06	0.22	0.06	145,139,164	0.0	0.0	0.0	0,0,0
214	0.03	0.19	0.03	133,128,164	0.0	0.0	0.0	0,0,0
215	0.02	0.07	0.02	138,144,164	0.0	0.0	0.0	0,0,0
216	0.03	0.19	0.03	133,128,164	0.0	0.0	0.0	0,0,0
217	0.03	0.15	0.03	133,130,164	0.0	0.0	0.0	0,0,0
218	0.14	0.55	0.18	105,128,164	0.0	0.0	0.0	0,0,0
219	0.13	0.51	0.17	142,108,164	0.0	0.0	0.0	0,0,0
220	0.02	0.10	0.03	144,108,164	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
221	0.05	0.41	8.97e-03	112,112,164	0.0	0.0	0.0	0,0,0
222	0.04	0.35	0.02	155,112,164	0.0	0.0	0.0	0,0,0
223	0.04	0.11	0.02	155,150,164	0.0	0.0	0.0	0,0,0
224	0.03	0.12	0.02	155,139,164	0.0	0.0	0.0	0,0,0
225	0.04	0.15	0.03	155,139,164	0.0	0.0	0.0	0,0,0
226	0.04	0.16	0.03	155,139,164	0.0	0.0	0.0	0,0,0
227	0.03	0.13	0.03	155,139,164	0.0	0.0	0.0	0,0,0
228	0.03	0.11	0.03	155,108,164	0.0	0.0	0.0	0,0,0
229	0.02	0.13	0.03	137,150,164	0.0	0.0	0.0	0,0,0
230	0.04	0.19	0.03	155,150,164	0.0	0.0	0.0	0,0,0
231	0.04	0.19	0.03	122,117,164	0.0	0.0	0.0	0,0,0
232	0.04	0.19	0.03	122,128,164	0.0	0.0	0.0	0,0,0
233	0.02	0.14	0.03	113,128,164	0.0	0.0	0.0	0,0,0
234	0.02	0.11	0.02	133,117,164	0.0	0.0	0.0	0,0,0
235	0.03	0.14	0.02	122,117,164	0.0	0.0	0.0	0,0,0
236	0.03	0.14	0.03	133,117,164	0.0	0.0	0.0	0,0,0
237	0.02	0.08	0.02	138,119,164	0.0	0.0	0.0	0,0,0
238	0.03	0.14	0.03	133,117,164	0.0	0.0	0.0	0,0,0
239	0.02	0.11	0.02	122,128,164	0.0	0.0	0.0	0,0,0
240	0.04	0.20	0.05	135,128,164	0.0	0.0	0.0	0,0,0
241	0.04	0.25	0.05	138,112,164	0.0	0.0	0.0	0,0,0
242	0.02	0.12	0.02	144,112,164	0.0	0.0	0.0	0,0,0
243	0.01	0.39	4.61e-03	122,155,164	0.0	0.0	0.0	0,0,0
244	0.04	0.33	0.02	155,155,164	0.0	0.0	0.0	0,0,0
245	0.04	0.16	0.03	155,155,164	0.0	0.0	0.0	0,0,0
246	0.04	0.16	0.04	155,150,164	0.0	0.0	0.0	0,0,0
247	0.04	0.17	0.04	155,150,164	0.0	0.0	0.0	0,0,0
248	0.05	0.18	0.05	155,139,164	0.0	0.0	0.0	0,0,0
249	0.04	0.19	0.05	155,150,164	0.0	0.0	0.0	0,0,0
250	0.04	0.19	0.05	148,139,164	0.0	0.0	0.0	0,0,0
251	0.04	0.19	0.05	148,139,164	0.0	0.0	0.0	0,0,0
252	0.04	0.19	0.05	137,150,164	0.0	0.0	0.0	0,0,0
253	0.04	0.18	0.05	137,150,164	0.0	0.0	0.0	0,0,0
254	0.04	0.18	0.05	137,139,164	0.0	0.0	0.0	0,0,0
255	0.04	0.18	0.05	137,139,164	0.0	0.0	0.0	0,0,0
256	0.04	0.18	0.05	137,139,164	0.0	0.0	0.0	0,0,0
257	0.04	0.17	0.04	145,139,164	0.0	0.0	0.0	0,0,0
258	0.04	0.16	0.04	144,150,164	0.0	0.0	0.0	0,0,0
259	0.02	0.08	0.02	138,144,164	0.0	0.0	0.0	0,0,0
260	0.03	0.15	0.02	144,117,164	0.0	0.0	0.0	0,0,0
261	0.02	0.13	0.01	133,117,164	0.0	0.0	0.0	0,0,0
262	0.02	0.13	0.02	137,128,164	0.0	0.0	0.0	0,0,0
263	0.02	0.14	0.02	137,144,164	0.0	0.0	0.0	0,0,0
264	7.65e-03	0.16	5.71e-03	144,144,164	0.0	0.0	0.0	0,0,0
265	0.01	0.38	0.01	135,133,164	0.0	0.0	0.0	0,0,0
266	0.04	0.31	0.04	155,155,164	0.0	0.0	0.0	0,0,0
267	0.06	0.22	0.06	155,150,164	0.0	0.0	0.0	0,0,0
268	0.06	0.23	0.06	155,150,164	0.0	0.0	0.0	0,0,0
269	0.06	0.24	0.06	155,150,164	0.0	0.0	0.0	0,0,0
270	0.06	0.25	0.07	156,150,164	0.0	0.0	0.0	0,0,0
271	0.07	0.27	0.08	148,150,164	0.0	0.0	0.0	0,0,0
272	0.07	0.28	0.08	148,150,164	0.0	0.0	0.0	0,0,0
273	0.07	0.28	0.08	148,150,164	0.0	0.0	0.0	0,0,0
274	0.06	0.27	0.07	148,150,164	0.0	0.0	0.0	0,0,0
275	0.06	0.25	0.07	148,150,164	0.0	0.0	0.0	0,0,0
276	0.06	0.26	0.07	137,139,164	0.0	0.0	0.0	0,0,0
277	0.06	0.27	0.07	137,139,164	0.0	0.0	0.0	0,0,0
278	0.06	0.27	0.07	137,139,164	0.0	0.0	0.0	0,0,0
279	0.06	0.26	0.07	145,139,164	0.0	0.0	0.0	0,0,0
280	0.05	0.23	0.06	145,139,164	0.0	0.0	0.0	0,0,0
281	0.01	0.11	0.02	152,130,164	0.0	0.0	0.0	0,0,0
282	0.04	0.20	0.05	145,128,164	0.0	0.0	0.0	0,0,0
283	0.03	0.17	0.03	145,139,164	0.0	0.0	0.0	0,0,0
284	0.02	0.16	0.01	144,139,164	0.0	0.0	0.0	0,0,0
285	0.01	0.14	0.01	133,144,164	0.0	0.0	0.0	0,0,0
286	3.98e-03	0.17	3.99e-03	133,144,164	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
287	0.01	0.39	0.02	105,133,164	0.0	0.0	0.0	0,0,0
288	0.04	0.30	0.05	122,155,164	0.0	0.0	0.0	0,0,0
289	0.05	0.22	0.06	112,150,164	0.0	0.0	0.0	0,0,0
290	0.06	0.22	0.06	112,150,164	0.0	0.0	0.0	0,0,0
291	0.06	0.22	0.06	112,150,164	0.0	0.0	0.0	0,0,0
292	0.05	0.24	0.07	112,150,164	0.0	0.0	0.0	0,0,0
293	0.06	0.26	0.08	105,150,164	0.0	0.0	0.0	0,0,0
294	0.06	0.27	0.08	105,150,164	0.0	0.0	0.0	0,0,0
295	0.06	0.27	0.08	105,150,164	0.0	0.0	0.0	0,0,0
296	0.06	0.25	0.07	105,150,164	0.0	0.0	0.0	0,0,0
297	0.05	0.24	0.07	146,150,164	0.0	0.0	0.0	0,0,0
298	0.05	0.25	0.07	105,150,164	0.0	0.0	0.0	0,0,0
...								
796	0.01	0.18	0.02	108,123,164	0.0	0.0	0.0	0,0,0
Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.23	0.72	0.20		0.19	0.0	0.0	

22 TABULATO PALI

MATERIALI

Calcestruzzo:
Caratteristiche meccaniche del calcestruzzo:

R_{ck}	Resistenza cubica
f_{ck}	Resistenza cilindrica
f_{ctm}	Resistenza media a trazione semplice assiale
f_{cd}	Resistenza di progetto a compressione (α_{cc} = 0,85)
f_{ctd}	Resistenza di progetto a trazione
Ec	Modulo elastico
Gc	Modulo di elasticità tangenziale
ρ_C	Peso per unità di volume

Calcestruzzo pali: classe: C25/30

R_{ck}	f_{ck}	f_{ctm}	f_{cd}	f_{ctd}	Ec	Gc	ρ_C
daN/cmq	daN/cmq	daN/cmq	daN/cmq	daN/cmq	daN/cmq	daN/cmq	daN/mc
300	249	25,6	141,1	11,9	314470	140388	2500

Condizioni ambientali pali: ordinarie

Acciaio per armature:
Caratteristiche meccaniche dell'acciaio:

f_{yk}	Tensione di snervamento
f_{yd}	Resistenza di progetto
f_{tk}	Tensione di rottura
E	Modulo elastico
ρ_A	Peso per unità di volume

Acciaio:

Classe	f_{yk}	f_{yd}	f_{tk}	E	ρ_A	Aderenza
	daN/cmq	daN/cmq	daN/cmq	daN/cmq	daN/mc	
B450C	4500	3913,0	5400	2060000	7850,0	Migliorata

VERIFICHE PALI DI FONDAZIONE

PALO 1

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	Plin.	Tipo	Vx	Vy	N	Mx	My	T
			daN	daN	daN	daN cm	daN cm	daN cm
1	1	SLU STR.	-25,4	41,8	-54640	-1253,9	-767,9	-192,3
2	1	SLU STR.	-19,9	32,3	-42180	-968,3	-601,9	-148,3
3	1	SLU STR.	-23,8	41,3	-54020	-1237,8	-719,3	-190,8

4	1	SLU STR.	-18,3	31,7	-41550	-952,1	-553,3	-146,8
5	1	SLU STR.	4823,8	-3885,3	-54850	116600	144700	-185,6
6	1	SLU STR.	4829,3	-3894,8	-42380	116800	144900	-141,6
7	1	SLU STR.	8057,8	-6503,7	-54530	195100	241700	-180,2
8	1	SLU STR.	8063,2	-6513,2	-42060	195400	241900	-136,1
9	1	SLU STR.	4825,4	-3885,8	-54230	116600	144800	-184,2
10	1	SLU STR.	4830,9	-3895,3	-41760	116900	144900	-140,1
11	1	SLU STR.	-20300	16290	-45250	-488700	-609100	234,8
12	1	SLU STR.	-20300	16280	-32780	-488400	-608900	278,8
13	1	SLU STR.	-20300	16290	-44630	-488700	-609100	236,2
14	1	SLU STR.	-20300	16280	-32160	-488400	-608900	280,3
15	1	SLU STR.	-33820	27120	-38370	-813600	-1015000	520,9
16	1	SLU STR.	-33810	27110	-25900	-813300	-1014000	565,0
17	1	SLU STR.	309,2	31,4	-54440	-942,8	9269,3	-152,9
18	1	SLU STR.	314,7	21,9	-41970	-657,2	9435,3	-108,9
19	1	SLU STR.	310,8	30,9	-53820	-926,6	9317,9	-151,5
20	1	SLU STR.	316,3	21,4	-41350	-641	9483,9	-107,4
21	1	SLU STR.	533,8	24,0	-53680	-719,2	16010	-125,2
22	1	SLU STR.	539,3	14,5	-41210	-433,6	16180	-81,2
23	1	SLU STR.	5158,3	-3895,6	-54650	116900	154700	-146,2
24	1	SLU STR.	5163,8	-3905,2	-42180	117200	154900	-102,2
25	1	SLU STR.	8392,3	-6514,1	-54330	195400	251800	-140,8
26	1	SLU STR.	8397,8	-6523,6	-41860	195700	251900	-96,7
27	1	SLU STR.	5160,0	-3896,2	-54020	116900	154800	-144,8
28	1	SLU STR.	5165,4	-3905,7	-41560	117200	155000	-100,7
29	1	SLU STR.	5383	-3903,1	-53890	117100	161500	-118,5
30	1	SLU STR.	5388,5	-3912,6	-41420	117400	161700	-74,5
31	1	SLU STR.	-19970	16280	-45050	-488400	-599100	274,1
32	1	SLU STR.	-19960	16270	-32580	-488100	-598900	318,2
33	1	SLU STR.	-19970	16280	-44430	-488400	-599000	275,6
34	1	SLU STR.	-19960	16270	-31960	-488100	-598900	319,6
35	1	SLU STR.	-33490	27110	-38160	-813300	-1005000	560,3
36	1	SLU STR.	-33480	27100	-25700	-813000	-1004000	604,3
37	1	SLU STR.	-19740	16270	-44290	-488100	-592300	301,9
38	1	SLU STR.	-19740	16260	-31820	-487900	-592200	345,9
39	1	SLU STR.	-397,3	45,8	-54770	-1372,8	-11920	-206,1
40	1	SLU STR.	-391,8	36,2	-42300	-1087,2	-11760	-162,1
41	1	SLU STR.	-395,6	45,2	-54140	-1356,6	-11870	-204,7
42	1	SLU STR.	-390,1	35,7	-41680	-1071,0	-11710	-160,6
43	1	SLU STR.	-643,5	47,9	-54230	-1435,9	-19310	-213,9
44	1	SLU STR.	-638,0	38,3	-41760	-1150,2	-19150	-169,9
45	1	SLU STR.	4451,9	-3881,3	-54970	116400	133600	-199,5
46	1	SLU STR.	4457,4	-3890,8	-42510	116700	133700	-155,4
47	1	SLU STR.	7685,9	-6499,7	-54650	195000	230600	-194,0
48	1	SLU STR.	7691,4	-6509,2	-42190	195300	230700	-150,0
49	1	SLU STR.	4453,6	-3881,8	-54350	116500	133600	-198,0
50	1	SLU STR.	4459,0	-3891,4	-41880	116700	133800	-154,0
51	1	SLU STR.	4205,7	-3879,2	-54430	116400	126200	-207,2
52	1	SLU STR.	4211,2	-3888,7	-41970	116700	126300	-163,2
53	1	SLU STR.	-20680	16290	-45370	-488800	-620300	220,9
54	1	SLU STR.	-20670	16280	-32910	-488500	-620100	265,0
55	1	SLU STR.	-20670	16290	-44750	-488800	-620200	222,4
56	1	SLU STR.	-20670	16280	-32290	-488500	-620000	266,4
57	1	SLU STR.	-34190	27120	-38490	-813700	-1026000	507,1
58	1	SLU STR.	-34190	27120	-26020	-813500	-1026000	551,1
59	1	SLU STR.	-20920	16300	-44830	-488900	-627700	213,2
60	1	SLU STR.	-20920	16290	-32370	-488600	-627500	257,2

61	1	SLU STR.	-34,0	493,7	-54860	-14810	-1026,0	-162,7
62	1	SLU STR.	-28,5	484,2	-42400	-14530	-860,0	-118,7
63	1	SLU STR.	-32,4	493,2	-54240	-14800	-977,4	-161,2
64	1	SLU STR.	-26,9	483,7	-41770	-14510	-811,4	-117,2
65	1	SLU STR.	-38,1	794,5	-54390	-23830	-1149,5	-141,5
66	1	SLU STR.	-32,6	785,0	-41920	-23550	-983,5	-97,5
67	1	SLU STR.	4815,2	-3433,3	-55070	103000	144400	-156,0
68	1	SLU STR.	4820,7	-3442,9	-42600	103300	144600	-112,0
69	1	SLU STR.	8049,1	-6051,8	-54750	181600	241500	-150,5
70	1	SLU STR.	8054,6	-6061,3	-42280	181800	241600	-106,5
71	1	SLU STR.	4816,8	-3433,9	-54450	103000	144500	-154,6
72	1	SLU STR.	4822,3	-3443,4	-41980	103300	144700	-110,5
73	1	SLU STR.	4811,0	-3132,6	-54590	93980	144300	-134,8
74	1	SLU STR.	4816,5	-3142,1	-42130	94260	144500	-90,8
75	1	SLU STR.	-20310	16740	-45470	-502200	-609400	264,4
76	1	SLU STR.	-20310	16730	-33000	-502000	-609200	308,4
77	1	SLU STR.	-20310	16740	-44850	-502200	-609300	265,8
78	1	SLU STR.	-20300	16730	-32380	-501900	-609200	309,9
79	1	SLU STR.	-33830	27570	-38590	-827200	-1015000	550,5
80	1	SLU STR.	-33820	27560	-26120	-826900	-1015000	594,6
81	1	SLU STR.	-20320	17040	-45000	-511300	-609500	285,6
82	1	SLU STR.	-20310	17030	-32530	-511000	-609300	329,6
83	1	SLU STR.	-14,1	-376,5	-54420	11300	-428,5	-252,3
84	1	SLU STR.	-8,6	-386,0	-41950	11580	-262,5	-208,2
85	1	SLU STR.	-12,5	-377,1	-53800	11310	-379,9	-250,8
86	1	SLU STR.	-7,0	-386,6	-41330	11600	-213,9	-206,8
87	1	SLU STR.	-4,9	-655,9	-53650	19680	-153,7	-290,8
88	1	SLU STR.	0,6	-665,4	-41190	19960	12,3	-246,7
89	1	SLU STR.	4835,1	-4303,6	-54630	129100	145000	-245,6
90	1	SLU STR.	4840,6	-4313,1	-42160	129400	145200	-201,5
91	1	SLU STR.	8069,1	-6922,0	-54310	207700	242100	-240,1
92	1	SLU STR.	8074,6	-6931,5	-41840	207900	242200	-196,1
93	1	SLU STR.	4836,7	-4304,1	-54010	129100	145100	-244,1
94	1	SLU STR.	4842,2	-4313,6	-41540	129400	145300	-200,1
95	1	SLU STR.	4844,2	-4583,0	-53860	137500	145300	-284,1
96	1	SLU STR.	4849,7	-4592,5	-41390	137800	145500	-240,0
97	1	SLU STR.	-20290	15870	-45030	-476100	-608800	174,8
98	1	SLU STR.	-20290	15860	-32560	-475800	-608600	218,8
99	1	SLU STR.	-20290	15870	-44410	-476100	-608700	176,3
100	1	SLU STR.	-20280	15860	-31940	-475800	-608600	220,3
101	1	SLU STR.	-33810	26700	-38150	-801100	-1014000	461,0
102	1	SLU STR.	-33800	26690	-25680	-800800	-1014000	505,0
103	1	SLU STR.	-20280	15590	-44260	-467800	-608500	136,3
104	1	SLU STR.	-20280	15580	-31790	-467500	-608300	180,3
105	1	SLE Rare	-19,4	32,1	-41970	-962,9	-585,7	-147,8
106	1	SLE Rare	-18,3	31,7	-41550	-952,1	-553,3	-146,8
107	1	SLE Rare	3213,4	-2585,9	-42110	77580	96400	-143,3
108	1	SLE Rare	5369,4	-4331,6	-41890	129900	161100	-139,7
109	1	SLE Rare	3214,5	-2586,3	-41690	77590	96430	-142,4
110	1	SLE Rare	-13540	10860	-35710	-325900	-406100	136,9
111	1	SLE Rare	-13540	10860	-35290	-325900	-406100	137,9
112	1	SLE Rare	-22550	18080	-31120	-542500	-676500	327,7
113	1	SLE Rare	203,7	25,2	-41830	-755,5	6105,8	-121,5
114	1	SLE Rare	204,7	24,8	-41420	-744,7	6138,2	-120,6
115	1	SLE Rare	353,4	20,2	-41330	-606,4	10600	-103,0
116	1	SLE Rare	3436,5	-2592,9	-41970	77790	103100	-117,1
117	1	SLE Rare	5592,4	-4338,5	-41760	130200	167800	-113,4

118	1	SLE Rare	3437,5	-2593,2	-41560	77800	103100	-116,1
119	1	SLE Rare	3586,2	-2597,8	-41470	77930	107600	-98,6
120	1	SLE Rare	-13320	10860	-35570	-325700	-399500	163,2
121	1	SLE Rare	-13310	10860	-35160	-325700	-399400	164,2
122	1	SLE Rare	-22330	18080	-30980	-542300	-669800	354,0
123	1	SLE Rare	-13170	10850	-35070	-325600	-395000	181,7
124	1	SLE Rare	-267,3	34,7	-42050	-1042,1	-8022,4	-157,0
125	1	SLE Rare	-266,2	34,4	-41640	-1031,4	-7990,0	-156,0
126	1	SLE Rare	-431,5	36,1	-41690	-1084,2	-12950	-162,2
127	1	SLE Rare	2965,5	-2583,3	-42190	77500	88960	-152,5
128	1	SLE Rare	5121,5	-4328,9	-41980	129900	153600	-148,9
129	1	SLE Rare	2966,6	-2583,7	-41770	77510	88990	-151,6
130	1	SLE Rare	2801,3	-2581,9	-41830	77460	84040	-157,7
131	1	SLE Rare	-13790	10870	-35790	-326000	-413600	127,7
132	1	SLE Rare	-13780	10870	-35380	-326000	-413500	128,7
133	1	SLE Rare	-22800	18090	-31200	-542600	-683900	318,5
134	1	SLE Rare	-13950	10870	-35430	-326000	-418500	122,5
135	1	SLE Rare	-25,1	333,4	-42120	-10000	-757,8	-128,0
136	1	SLE Rare	-24,0	333,0	-41700	-9990,6	-725,4	-127,1
137	1	SLE Rare	-27,9	533,9	-41800	-16020	-840,1	-113,9
138	1	SLE Rare	3207,7	-2284,7	-42250	68540	96230	-123,6
139	1	SLE Rare	5363,7	-4030,3	-42040	120900	160900	-119,9
140	1	SLE Rare	3208,7	-2285,0	-41840	68550	96260	-122,6
141	1	SLE Rare	3204,9	-2084,2	-41940	62520	96140	-109,5
142	1	SLE Rare	-13540	11170	-35850	-335000	-406300	156,7
143	1	SLE Rare	-13540	11160	-35440	-334900	-406300	157,6
144	1	SLE Rare	-22560	18390	-31270	-551600	-676700	347,4
145	1	SLE Rare	-13550	11370	-35540	-341000	-406400	170,8
146	1	SLE Rare	-11,8	-246,8	-41820	7403,2	-359,4	-187,7
147	1	SLE Rare	-10,8	-247,1	-41410	7414,0	-327,0	-186,8
148	1	SLE Rare	-5,7	-433,0	-41310	12990	-176,2	-213,4
149	1	SLE Rare	3220,9	-2864,8	-41960	85940	96620	-183,3
150	1	SLE Rare	5376,9	-4610,4	-41750	138300	161300	-179,6
151	1	SLE Rare	3222,0	-2865,2	-41540	85960	96660	-182,3
152	1	SLE Rare	3227,1	-3051,1	-41450	91530	96810	-209,0
153	1	SLE Rare	-13530	10580	-35560	-317500	-405900	97,0
154	1	SLE Rare	-13530	10580	-35150	-317500	-405900	97,9
155	1	SLE Rare	-22540	17810	-30970	-534200	-676300	287,7
156	1	SLE Rare	-13520	10400	-35050	-312000	-405700	71,3
157	1	SLE Freq.	-18,3	31,7	-41550	-952,1	-553,3	-146,8
158	1	SLE Freq.	2676,0	-2150,1	-41530	64500	80280	-142,7
159	1	SLE Freq.	-11280	9058,2	-36340	-271700	-338500	90,5
160	1	SLE Freq.	56,1	29,4	-41510	-883,0	1677,2	-138,1
161	1	SLE Freq.	-100,9	32,6	-41580	-978,5	-3032,2	-149,9
162	1	SLE Freq.	-20,2	132,2	-41600	-3965,0	-610,6	-140,2
163	1	SLE Freq.	-15,8	-61,2	-41510	1836,6	-477,9	-160,1
164	1	SLE Quasi P.	-18,3	31,7	-41550	-952,1	-553,3	-146,8
165	1	SLU A1 sism.	4346,3	-1895,5	-39050	56860	130400	9879,0
166	1	SLU A1 sism.	6192,4	-4775,1	-37380	143300	185800	4623,1
167	1	SLU A1 sism.	-6229,0	4838,6	-45730	-145200	-186900	-4916,7
168	1	SLU A1 sism.	-4382,9	1958,9	-44060	-58770	-131500	-10170
169	1	SLU A1 sism.	6059,4	-871,8	-39450	26150	181800	5010,8
170	1	SLU A1 sism.	4479,2	-5798,8	-36980	174000	134400	9491,3
171	1	SLU A1 sism.	-4515,8	5862,3	-46130	-175900	-135500	-9784,9
172	1	SLU A1 sism.	-6096,0	935,2	-43660	-28060	-182900	-5304,4
173	1	SLU A1 sism.	6655,2	4873,1	-38530	-146200	199700	-4990,4
174	1	SLU A1 sism.	8501,3	1993,5	-36870	-59800	255000	-10250

175	1	SLU A1 sism.	-8537,9	-1930,0	-46240	57900	-256100	9952,7
176	1	SLU A1 sism.	-6691,8	-4809,6	-44580	144300	-200800	4696,8
177	1	SLU A1 sism.	8368,3	5896,8	-38940	-176900	251000	-9858,6
178	1	SLU A1 sism.	6788,1	969,8	-36460	-29090	203600	-5378,2
179	1	SLU A1 sism.	-6824,7	-906,3	-46650	27190	-204700	5084,6
180	1	SLU A1 sism.	-8404,9	-5833,3	-44170	175000	-252200	9565,0
181	1	SLU A1 sism.	-1508,9	3821,1	-43330	-114600	-45270	10830
182	1	SLU A1 sism.	4644,8	-5777,8	-37780	173300	139300	-6687,2
183	1	SLU A1 sism.	-4681,4	5841,3	-45330	-175200	-140400	6393,6
184	1	SLU A1 sism.	1472,3	-3757,6	-39780	112700	44160	-11130
185	1	SLU A1 sism.	-816,2	5851,6	-43170	-175500	-24490	6371,5
186	1	SLU A1 sism.	5337,5	-3747,2	-37620	112400	160100	-11150
187	1	SLU A1 sism.	-5374,1	3810,7	-45490	-114300	-161200	10850
188	1	SLU A1 sism.	779,6	-5788,2	-39930	173600	23380	-6665,1
189	1	SLU A1 sism.	4201,7	7233,4	-44680	-217000	126000	-5394,8
190	1	SLU A1 sism.	-1065,8	-9190,1	-36420	275700	-31980	9539,9
191	1	SLU A1 sism.	1029,2	9253,6	-46690	-277600	30870	-9833,5
192	1	SLU A1 sism.	-4238,3	-7169,9	-38430	215100	-127200	5101,2
193	1	SLU A1 sism.	4894,4	9264,0	-44530	-277900	146800	-9855,6
194	1	SLU A1 sism.	-373,1	-7159,6	-36270	214800	-11200	5079,1
195	1	SLU A1 sism.	336,5	7223,0	-46840	-216700	10090	-5372,7
196	1	SLU A1 sism.	-4931	-9200,5	-38580	276000	-147900	9562,0

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 5, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**	**Stato**
		cm	daN	daN	daN cm				
58	1	0	-26024,9	43634,5	1309037	0,435	0,109	0,697	Ok
67	1	0	-55069,2	5913,8	177410,8	0,052	0,230	0,090	Ok
58	1	-53,3	-25874,6	2824,2	2702841	0,899	0,108	0,045	Ok
67	1	-53,3	-54751,3	382,8	366315,7	0,108	0,229	0,006	Ok
58	1	-106,7	-25771,4	8598,5	2853466	0,950	0,108	0,137	Ok
67	1	-106,7	-54532,8	1165,4	386731,1	0,114	0,228	0,018	Ok
58	1	-160	-25688,6	9546,5	2394878	0,797	0,107	0,153	Ok
67	1	-160	-54357,5	1293,8	324579,1	0,096	0,227	0,020	Ok
58	1	-213,3	-25648,6	8323,1	1885729	0,628	0,107	0,133	Ok
67	1	-213,3	-54273,1	1128,0	255574	0,076	0,227	0,017	Ok
58	1	-266,7	-25625,5	7779,5	1441831	0,480	0,107	0,124	Ok
67	1	-266,7	-54224,0	1054,4	195412,3	0,058	0,227	0,016	Ok
58	1	-320	-25593,7	6604,4	1026924	0,342	0,107	0,106	Ok
67	1	-320	-54156,9	895,1	139179,8	0,041	0,226	0,014	Ok
58	1	-373,3	-25556,3	5251,7	674690,4	0,225	0,107	0,084	Ok
67	1	-373,3	-54077,7	711,8	91441,4	0,027	0,226	0,011	Ok
58	1	-426,7	-25516,1	3969,5	394599,3	0,131	0,107	0,063	Ok

67	1	-426,7	-53992,6	538,0	53480,4	0,016	0,226	0,008	Ok
58	1	-480	-25473,1	2831,7	182893,7	0,061	0,106	0,045	Ok
67	1	-480	-53901,7	383,8	24787,8	0,007	0,225	0,006	Ok
58	1	-533,3	-25427,5	1875,6	31870,7	0,011	0,106	0,030	Ok
67	1	-533,3	-53805,2	254,2	4319,6	0,001	0,225	0,004	Ok
58	1	-586,7	-25379,3	1111,6	68163,0	0,023	0,106	0,018	Ok
67	1	-586,7	-53703,2	150,7	9238,1	0,003	0,224	0,002	Ok
58	1	-640	-25328,7	531,3	127448,9	0,043	0,106	0,008	Ok
67	1	-640	-53596,0	72,0	17273,1	0,005	0,224	0,001	Ok
58	1	-693,3	-25275,6	115,2	155787,3	0,052	0,106	0,002	Ok
67	1	-693,3	-53483,8	15,6	21113,9	0,006	0,223	0,000	Ok
58	1	-746,7	-25220,3	162,3	161931,5	0,054	0,105	0,003	Ok
67	1	-746,7	-53366,6	22,0	21946,6	0,007	0,223	0,000	Ok
58	1	-800	-25162,7	328,5	153275,4	0,051	0,105	0,005	Ok
67	1	-800	-53244,8	44,5	20773,5	0,006	0,222	0,001	Ok
58	1	-853,3	-25103,0	409,5	135758	0,045	0,105	0,007	Ok
67	1	-853,3	-53118,5	55,5	18399,4	0,005	0,222	0,001	Ok
58	1	-906,7	-25041,2	429,2	113915,5	0,038	0,105	0,007	Ok
67	1	-906,7	-52987,7	58,2	15439,0	0,005	0,221	0,001	Ok
58	1	-960	-24977,5	407,5	91024,6	0,030	0,104	0,007	Ok
67	1	-960	-52852,9	55,2	12336,6	0,004	0,221	0,001	Ok
58	1	-1013,3	-24911,8	360,5	69293,5	0,023	0,104	0,006	Ok
67	1	-1013,3	-52714,0	48,9	9391,4	0,003	0,220	0,001	Ok
58	1	-1066,7	-24844,4	300,6	50068,8	0,017	0,104	0,005	Ok
67	1	-1066,7	-52571,3	40,7	6785,9	0,002	0,220	0,001	Ok
58	1	-1120	-24775,2	237,0	34035,3	0,011	0,104	0,004	Ok
67	1	-1120	-52425,0	32,1	4612,8	0,001	0,219	0,000	Ok
58	1	-1173,3	-24704,4	175,8	21395,3	0,007	0,103	0,003	Ok
67	1	-1173,3	-52275,1	23,8	2899,7	0,001	0,218	0,000	Ok
58	1	-1226,7	-24632,1	121,0	12019,5	0,004	0,103	0,002	Ok
67	1	-1226,7	-52122,0	16,4	1629,0	0,000	0,218	0,000	Ok
58	1	-1280	-24558,3	74,8	5567,4	0,002	0,103	0,001	Ok
67	1	-1280	-51965,8	10,1	754,6	0,000	0,217	0,000	Ok
58	1	-1333,3	-24483,0	38,4	1577,3	0,001	0,102	0,001	Ok
67	1	-1333,3	-51806,6	5,2	213,8	0,000	0,216	0,000	Ok
58	1	-1386,7	-24406,5	12,1	471,2	0,000	0,102	0,000	Ok
67	1	-1386,7	-51644,6	1,6	63,9	0,000	0,216	0,000	Ok
58	1	-1440	-24328,7	4,0	1118,4	0,000	0,102	0,000	Ok
67	1	-1440	-51480	0,5	151,6	0,000	0,215	0,000	Ok
58	1	-1493,3	-24249,7	10,3	903,0	0,000	0,101	0,000	Ok
67	1	-1493,3	-51312,9	1,4	122,4	0,000	0,214	0,000	Ok
58	1	-1546,7	-24169,7	6,7	355,8	0,000	0,101	0,000	Ok
67	1	-1546,7	-51143,7	0,9	48,2	0,000	0,214	0,000	Ok
102	1	-1600	-23849,9	6,6	0	0	0,100	0,000	Ok
67	1	-1600	-51143,7	0,9	0	0	0,214	0,000	Ok
58	1	-1600	-24169,7	6,7	0	0	0,101	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
1	58	1	-106,7	-25771,4	8598,5	2853466	0,950	0,108	0,137
1	67	1	0	-55069,2	5913,8	177410,8	0,052	0,230	0,090

S/Su massime:
Ver. N/M = 0,950 < 1 Ok
Ver. (25) = 0,230 < 1 Ok
Ver. V = 0,697 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	Palo	Quota	N	M	Tens. A	Tens. C	Stato
		cm	daN	daN cm	daN/cmq	daN/cmq	
133	1	0	-31201,5	873032,8	747,9	-58,5	Ok
133	1	-53,3	-31021,3	1802599	2540,3	-126,0	Ok
133	1	-106,7	-30897,6	1903054	2742,8	-133,3	Ok
133	1	-160	-30798,3	1597209	2143,3	-111,3	Ok
133	1	-213,3	-30750,4	1257644	1483,1	-86,7	Ok
133	1	-266,7	-30722,6	961596	922,5	-65,1	Ok
133	1	-320	-30684,6	684883,5	-523,0	-44,9	Ok
144	1	-320	-30747,9	684847,2	-523,0	-44,9	Ok
156	1	-320	-34466,8	401501,8	-342,8	-26,8	Ok
144	1	-373,3	-30703	449945,4	-360,8	-29,0	Ok
144	1	-426,7	-30654,7	263155	-257,2	-19,6	Ok
144	1	-480	-30603,1	121970,2	-193,9	-14,1	Ok
139	1	-480	-41149,8	28121,1	-200,1	-13,6	Ok
156	1	-480	-34304,4	71506,8	-188,2	-13,2	Ok
139	1	-533,3	-41076,1	4900,4	-189,4	-12,7	Ok
138	1	-533,3	-41283,6	2876,5	-189,5	-12,7	Ok
156	1	-533,3	-34243,0	12460,6	-161,6	-10,9	Ok
139	1	-586,7	-40998,3	10480,4	-191,6	-12,9	Ok
139	1	-640	-40916,5	19596,0	-195,2	-13,2	Ok
139	1	-693,3	-40830,8	23953,2	-196,8	-13,3	Ok
144	1	-746,7	-30299,3	107990,8	-186,2	-13,4	Ok
139	1	-746,7	-40741,4	24897,9	-196,8	-13,4	Ok
156	1	-746,7	-33963,9	63311,2	-183,0	-12,8	Ok
139	1	-800	-40648,3	23567,0	-195,8	-13,3	Ok
139	1	-853,3	-40551,9	20873,6	-194,2	-13,1	Ok
139	1	-906,7	-40452,1	17515,2	-192,2	-13,0	Ok
139	1	-960	-40349,1	13995,6	-190,2	-12,8	Ok
139	1	-1013,3	-40243,1	10654,3	-188,2	-12,6	Ok
139	1	-1066,7	-40134,2	7698,4	-186,4	-12,5	Ok
139	1	-1120	-40022,4	5233,1	-184,8	-12,4	Ok
139	1	-1173,3	-39908,1	3289,7	-183,4	-12,3	Ok
138	1	-1226,7	-39992,1	1084,8	-182,3	-12,2	Ok
138	1	-1280	-39872,3	502,5	-181,8	-12,1	Ok
138	1	-1333,3	-39750,1	142,4	-181,2	-12,1	Ok
138	1	-1386,7	-39625,8	42,5	-180,6	-12,0	Ok
138	1	-1440	-39499,5	100,9	-180,1	-12,0	Ok
138	1	-1493,3	-39371,3	81,5	-179,5	-12,0	Ok
138	1	-1546,7	-39241,5	32,1	-178,9	-11,9	Ok
138	1	-1600	-39241,5	0	-178,9	-11,9	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. A	Tens. C
			cm	daN	daN cm	daN/cmq	daN/cmq
1	133	1	-106,7	-30897,6	1903054	2742,8	-133,3

Valori massimi SLE condizioni rare:
Ten.massima CLS = 133,3 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 2742,8 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	Palo	Quota	N	M	Wk	Stato

		cm	daN	daN cm	mm	
159	1	0	-36337,2	434098,6	0	Ok
159	1	-53,3	-36127,4	896305,1	0,036	Ok
159	1	-106,7	-35983,3	946254	0,050	Ok
159	1	-160	-35867,6	794178,8	0,011	Ok
159	1	-213,3	-35811,9	625337,2	0	Ok
159	1	-266,7	-35779,5	478133,5	0	Ok
159	1	-320	-35735,2	340544	0	Ok
159	1	-373,3	-35683,0	223737,8	0	Ok
159	1	-426,7	-35626,8	130855,2	0	Ok
159	1	-480	-35566,8	60650,3	0	Ok
158	1	-480	-40646,2	14388,6	0	Ok
163	1	-480	-40625,5	265,0	0	Ok
158	1	-533,3	-40573,4	2507,4	0	Ok
158	1	-586,7	-40496,5	5362,4	0	Ok
158	1	-640	-40415,7	10026,5	0	Ok
159	1	-693,3	-35291,1	51661,5	0	Ok
158	1	-693,3	-40331,1	12255,9	0	Ok
163	1	-693,3	-40310,5	225,8	0	Ok
159	1	-746,7	-35213,8	53699,0	0	Ok
158	1	-746,7	-40242,7	12739,3	0	Ok
163	1	-746,7	-40222,3	234,7	0	Ok
158	1	-800	-40150,9	12058,3	0	Ok
158	1	-853,3	-40055,6	10680,2	0	Ok
158	1	-906,7	-39957	8961,8	0	Ok
158	1	-960	-39855,3	7161,0	0	Ok
158	1	-1013,3	-39750,6	5451,4	0	Ok
158	1	-1066,7	-39643,0	3939,0	0	Ok
158	1	-1120	-39532,6	2677,6	0	Ok
162	1	-1173,3	-39492,6	65,6	0	Ok
162	1	-1226,7	-39377,0	36,8	0	Ok
162	1	-1280	-39258,9	17,1	0	Ok
162	1	-1333,3	-39138,6	4,8	0	Ok
162	1	-1386,7	-39016,3	1,4	0	Ok
162	1	-1440	-38891,9	3,4	0	Ok
162	1	-1493,3	-38765,7	2,8	0	Ok
162	1	-1546,7	-38637,9	1,1	0	Ok
162	1	-1600	-38637,9	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
1	159	1	-106,7	-35983,3	946254	0,050

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0,050 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	1	0	-41554,7	1101,2	-12,6	0	Ok
164	1	-53,3	-41314,8	2271,3	-12,6	0	Ok
164	1	-106,7	-41150,0	2397,3	-12,5	0	Ok
164	1	-160	-41017,7	2011,8	-12,5	0	Ok
164	1	-213,3	-40954,0	1584,0	-12,4	0	Ok
164	1	-266,7	-40917,0	1211,1	-12,4	0	Ok
164	1	-320	-40866,3	862,6	-12,4	0	Ok

164	1	-373,3	-40806,6	566,7	-12,4	0	Ok
164	1	-426,7	-40742,3	331,4	-12,4	0	Ok
164	1	-480	-40673,7	153,6	-12,4	0	Ok
164	1	-533,3	-40600,9	26,7	-12,3	0	Ok
164	1	-586,7	-40524,0	57,3	-12,3	0	Ok
164	1	-640	-40443,1	107,1	-12,3	0	Ok
164	1	-693,3	-40358,4	130,9	-12,3	0	Ok
164	1	-746,7	-40270,0	136,0	-12,2	0	Ok
164	1	-800	-40178,1	128,8	-12,2	0	Ok
164	1	-853,3	-40082,7	114,0	-12,2	0	Ok
164	1	-906,7	-39984,1	95,7	-12,2	0	Ok
164	1	-960	-39882,3	76,5	-12,1	0	Ok
164	1	-1013,3	-39777,5	58,2	-12,1	0	Ok
164	1	-1066,7	-39669,8	42,1	-12,1	0	Ok
164	1	-1120	-39559,4	28,6	-12,0	0	Ok
164	1	-1173,3	-39446,4	18,0	-12,0	0	Ok
164	1	-1226,7	-39330,8	10,1	-12,0	0	Ok
164	1	-1280	-39212,9	4,7	-11,9	0	Ok
164	1	-1333,3	-39092,8	1,3	-11,9	0	Ok
164	1	-1386,7	-38970,6	0,4	-11,8	0	Ok
164	1	-1440	-38846,3	0,9	-11,8	0	Ok
164	1	-1493,3	-38720,3	0,8	-11,8	0	Ok
164	1	-1546,7	-38592,6	0,3	-11,7	0	Ok
164	1	-1600	-38592,6	0	-11,7	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
1	164	1	0	-41554,7	1101,2	-12,6	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 12,6 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 2

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	**Plin.**	**Tipo**	**Vx**	**Vy**	**N**	**Mx**	**My**	**T**
			daN	daN	daN	daN cm	daN cm	daN cm
1	2	SLU STR.	-46,2	-33,6	-56000	839,7	-1161,1	86,3
2	2	SLU STR.	-36,2	-25,9	-43240	646,3	-908,7	65,5
3	2	SLU STR.	-43,5	-33,5	-55310	838,2	-1094,1	90,4
4	2	SLU STR.	-33,5	-25,8	-42540	644,8	-841,6	69,5
5	2	SLU STR.	5074,4	4089,5	-56310	-102200	126900	75,8
6	2	SLU STR.	5084,4	4097,2	-43550	-102400	127100	54,9
7	2	SLU STR.	8490,1	6838,2	-56010	-171000	212200	71,8
8	2	SLU STR.	8500,1	6845,9	-43250	-171100	212500	50,9
9	2	SLU STR.	5077,0	4089,5	-55620	-102200	126900	79,8
10	2	SLU STR.	5087,1	4097,3	-42850	-102400	127200	59,0
11	2	SLU STR.	-21750	-17010	-52160	425100	-543800	-1283,4
12	2	SLU STR.	-21740	-17000	-39400	424900	-543500	-1304,2
13	2	SLU STR.	-21750	-17010	-51470	425100	-543700	-1279,3
14	2	SLU STR.	-21740	-17000	-38700	424900	-543500	-1300,2

15	2	SLU STR.	-36220	-28320	-48910	708000	-905500	-2192,5
16	2	SLU STR.	-36210	-28310	-36140	707800	-905200	-2213,3
17	2	SLU STR.	325,0	-43,9	-55800	1096,7	8118,2	85,1
18	2	SLU STR.	335	-36,1	-43040	903,2	8370,7	64,3
19	2	SLU STR.	327,6	-43,8	-55100	1095,2	8185,2	89,2
20	2	SLU STR.	337,7	-36,1	-42340	901,8	8437,7	68,3
21	2	SLU STR.	575,1	-50,7	-54970	1266,5	14370	88,4
22	2	SLU STR.	585,1	-42,9	-42200	1073,1	14620	67,5
23	2	SLU STR.	5445,5	4079,2	-56110	-102000	136100	74,6
24	2	SLU STR.	5455,6	4086,9	-43350	-102200	136400	53,7
25	2	SLU STR.	8861,3	6827,9	-55800	-170700	221500	70,6
26	2	SLU STR.	8871,3	6835,7	-43040	-170900	221800	49,7
27	2	SLU STR.	5448,2	4079,3	-55410	-102000	136200	78,6
28	2	SLU STR.	5458,3	4087,0	-42650	-102200	136500	57,8
29	2	SLU STR.	5695,7	4072,4	-55280	-101800	142400	77,8
30	2	SLU STR.	5705,7	4080,1	-42510	-102000	142600	57,0
31	2	SLU STR.	-21380	-17020	-51960	425400	-534500	-1284,6
32	2	SLU STR.	-21370	-17010	-39200	425200	-534300	-1305,4
33	2	SLU STR.	-21380	-17020	-51260	425400	-534400	-1280,5
34	2	SLU STR.	-21370	-17010	-38500	425200	-534200	-1301,4
35	2	SLU STR.	-35850	-28330	-48700	708200	-896200	-2193,7
36	2	SLU STR.	-35840	-28320	-35940	708000	-896000	-2214,5
37	2	SLU STR.	-21130	-17020	-51130	425600	-528300	-1281,3
38	2	SLU STR.	-21120	-17010	-38360	425400	-528000	-1302,2
39	2	SLU STR.	-448,0	-27,8	-56200	694,0	-11200	77,8
40	2	SLU STR.	-437,9	-20,0	-43430	500,5	-10950	57,0
41	2	SLU STR.	-445,3	-27,7	-55500	692,5	-11140	81,9
42	2	SLU STR.	-435,3	-20,0	-42740	499,1	-10890	61,0
43	2	SLU STR.	-713,1	-23,8	-55630	595,3	-17830	76,2
44	2	SLU STR.	-703,1	-16,1	-42870	401,9	-17580	55,4
45	2	SLU STR.	4672,6	4095,3	-56510	-102400	116800	67,3
46	2	SLU STR.	4682,7	4103,0	-43740	-102600	117100	46,4
47	2	SLU STR.	8088,3	6844,0	-56200	-171100	202200	63,3
48	2	SLU STR.	8098,4	6851,8	-43440	-171300	202500	42,5
49	2	SLU STR.	4675,3	4095,4	-55810	-102400	116900	71,3
50	2	SLU STR.	4685,3	4103,1	-43050	-102600	117100	50,5
51	2	SLU STR.	4407,5	4099,2	-55940	-102500	110200	65,7
52	2	SLU STR.	4417,5	4107,0	-43180	-102700	110400	44,8
53	2	SLU STR.	-22150	-17000	-52360	425000	-553800	-1291,9
54	2	SLU STR.	-22140	-16990	-39590	424800	-553600	-1312,7
55	2	SLU STR.	-22150	-17000	-51660	425000	-553800	-1287,8
56	2	SLU STR.	-22140	-16990	-38900	424800	-553500	-1308,7
57	2	SLU STR.	-36620	-28310	-49100	707800	-915500	-2200,9
58	2	SLU STR.	-36610	-28310	-36340	707600	-915300	-2221,8
59	2	SLU STR.	-22420	-17000	-51790	424900	-560500	-1293,5
60	2	SLU STR.	-22410	-16990	-39030	424700	-560200	-1314,3
61	2	SLU STR.	-34,9	441,8	-55730	-11040	-878,2	159,1
62	2	SLU STR.	-24,9	449,5	-42960	-11240	-625,7	138,2
63	2	SLU STR.	-32,2	441,8	-55030	-11050	-811,1	163,1
64	2	SLU STR.	-22,2	449,6	-42270	-11240	-558,7	142,3
65	2	SLU STR.	-24,7	758,7	-54850	-18970	-622,5	211,6
66	2	SLU STR.	-14,6	766,4	-42080	-19160	-370,0	190,7
67	2	SLU STR.	5085,7	4564,8	-56040	-114100	127100	148,5
68	2	SLU STR.	5095,7	4572,6	-43270	-114300	127400	127,6
69	2	SLU STR.	8501,4	7313,6	-55730	-182800	212500	144,5
70	2	SLU STR.	8511,4	7321,3	-42970	-183000	212800	123,7
71	2	SLU STR.	5088,4	4564,9	-55340	-114100	127200	152,5

72	2	SLU STR.	5098,4	4572,6	-42580	-114300	127500	131,7
73	2	SLU STR.	5095,9	4881,8	-55160	-122000	127400	201,0
74	2	SLU STR.	5106,0	4889,5	-42390	-122200	127600	180,2
75	2	SLU STR.	-21740	-16530	-51890	413200	-543500	-1210,6
76	2	SLU STR.	-21730	-16520	-39120	413100	-543300	-1231,5
77	2	SLU STR.	-21740	-16530	-51190	413200	-543400	-1206,6
78	2	SLU STR.	-21730	-16520	-38430	413000	-543200	-1227,4
79	2	SLU STR.	-36210	-27840	-48630	696100	-905200	-2119,7
80	2	SLU STR.	-36200	-27840	-35870	695900	-904900	-2140,6
81	2	SLU STR.	-21730	-16210	-51010	405300	-543300	-1158,1
82	2	SLU STR.	-21720	-16210	-38240	405100	-543000	-1179,0
83	2	SLU STR.	-57,8	-474,8	-56210	11870	-1451,7	41,2
84	2	SLU STR.	-47,8	-467,1	-43450	11680	-1199,3	20,3
85	2	SLU STR.	-55,2	-474,8	-55510	11870	-1384,7	45,2
86	2	SLU STR.	-45,1	-467,0	-42750	11680	-1132,2	24,4
87	2	SLU STR.	-62,9	-769,0	-55650	19220	-1578,4	15,1
88	2	SLU STR.	-52,9	-761,2	-42890	19030	-1325,9	-5,7
89	2	SLU STR.	5062,7	3648,2	-56520	-91210	126600	30,6
90	2	SLU STR.	5072,8	3656,0	-43760	-91400	126800	9,7
91	2	SLU STR.	8478,5	6397,0	-56210	-159900	212000	26,6
92	2	SLU STR.	8488,5	6404,7	-43450	-160100	212200	5,8
93	2	SLU STR.	5065,4	3648,3	-55820	-91210	126600	34,7
94	2	SLU STR.	5075,5	3656,0	-43060	-91400	126900	13,8
95	2	SLU STR.	5057,7	3354,1	-55960	-83850	126400	4,6
96	2	SLU STR.	5067,7	3361,9	-43200	-84050	126700	-16,3
97	2	SLU STR.	-21760	-17450	-52370	436200	-544100	-1328,5
98	2	SLU STR.	-21750	-17440	-39610	436000	-543800	-1349,4
99	2	SLU STR.	-21760	-17450	-51670	436200	-544000	-1324,5
100	2	SLU STR.	-21750	-17440	-38910	436000	-543800	-1345,3
101	2	SLU STR.	-36230	-28760	-49110	719000	-905800	-2237,6
102	2	SLU STR.	-36220	-28750	-36350	718800	-905500	-2258,5
103	2	SLU STR.	-21770	-17740	-51810	443500	-544200	-1354,6
104	2	SLU STR.	-21760	-17730	-39050	443300	-544000	-1375,4
105	2	SLE Rare	-35,3	-25,8	-43010	645,8	-886,3	66,8
106	2	SLE Rare	-33,5	-25,8	-42540	644,8	-841,6	69,5
107	2	SLE Rare	3378,4	2722,9	-43210	-68070	84460	59,8
108	2	SLE Rare	5655,6	4555,4	-43010	-113900	141400	57,1
109	2	SLE Rare	3380,2	2722,9	-42750	-68070	84500	62,5
110	2	SLE Rare	-14510	-11340	-40450	283500	-362600	-846,3
111	2	SLE Rare	-14500	-11340	-39980	283500	-362600	-843,6
112	2	SLE Rare	-24150	-18880	-38280	472100	-603800	-1452,4
113	2	SLE Rare	212,2	-32,7	-42870	817,1	5299,9	66,0
114	2	SLE Rare	214,0	-32,6	-42410	816,1	5344,6	68,7
115	2	SLE Rare	378,9	-37,2	-42320	930,3	9468,7	68,2
116	2	SLE Rare	3625,9	2716,0	-43080	-67900	90640	59,0
117	2	SLE Rare	5903,0	4548,5	-42880	-113700	147600	56,3
118	2	SLE Rare	3627,7	2716,1	-42610	-67900	90690	61,7
119	2	SLE Rare	3792,6	2711,5	-42520	-67790	94810	61,1
120	2	SLE Rare	-14260	-11350	-40310	283700	-356500	-847,1
121	2	SLE Rare	-14260	-11350	-39850	283700	-356400	-844,4
122	2	SLE Rare	-23900	-18890	-38140	472200	-597600	-1453,2
123	2	SLE Rare	-14090	-11350	-39760	283800	-352300	-844,9
124	2	SLE Rare	-303,1	-21,9	-43140	548,6	-7582,2	61,2
125	2	SLE Rare	-301,3	-21,9	-42670	547,6	-7537,5	63,9
126	2	SLE Rare	-479,9	-19,3	-42760	482,9	-12000	60,1
127	2	SLE Rare	3110,6	2726,8	-43340	-68170	77760	54,1
128	2	SLE Rare	5387,8	4559,3	-43140	-114000	134700	51,5

129	2	SLE Rare	3112,4	2726,8	-42880	-68170	77810	56,8
130	2	SLE Rare	2933,8	2729,4	-42970	-68230	73340	53,1
131	2	SLE Rare	-14770	-11340	-40580	283400	-369300	-852,0
132	2	SLE Rare	-14770	-11340	-40110	283400	-369300	-849,3
133	2	SLE Rare	-24420	-18880	-38410	472000	-610500	-1458,0
134	2	SLE Rare	-14950	-11330	-40200	283300	-373800	-853,0
135	2	SLE Rare	-27,7	291,1	-42820	-7276,6	-697,7	115,3
136	2	SLE Rare	-26,0	291,1	-42360	-7277,6	-653,0	118,0
137	2	SLE Rare	-20,9	502,4	-42240	-12560	-527,2	150,3
138	2	SLE Rare	3386,0	3039,8	-43030	-75990	84650	108,3
139	2	SLE Rare	5663,1	4872,3	-42830	-121800	141600	105,6
140	2	SLE Rare	3387,8	3039,8	-42570	-76000	84690	111,0
141	2	SLE Rare	3392,8	3251,1	-42440	-81280	84820	143,3
142	2	SLE Rare	-14500	-11020	-40260	275600	-362500	-797,8
143	2	SLE Rare	-14500	-11020	-39800	275600	-362400	-795,1
144	2	SLE Rare	-24140	-18570	-38090	464200	-603600	-1403,9
145	2	SLE Rare	-14490	-10810	-39680	270300	-362300	-762,8
146	2	SLE Rare	-43,0	-320	-43150	8000,0	-1080,0	36,7
147	2	SLE Rare	-41,2	-320,0	-42680	7999,0	-1035,3	39,4
148	2	SLE Rare	-46,4	-516,1	-42770	12900	-1164,5	19,4
149	2	SLE Rare	3370,7	2428,7	-43350	-60720	84260	29,7
150	2	SLE Rare	5647,8	4261,2	-43150	-106500	141200	27,0
151	2	SLE Rare	3372,5	2428,8	-42890	-60720	84310	32,4
152	2	SLE Rare	3367,3	2232,6	-42980	-55820	84180	12,3
153	2	SLE Rare	-14510	-11630	-40590	290900	-362800	-876,4
154	2	SLE Rare	-14510	-11630	-40120	290900	-362800	-873,7
155	2	SLE Rare	-24160	-19180	-38420	479400	-604000	-1482,5
156	2	SLE Rare	-14520	-11830	-40210	295800	-362900	-893,8
157	2	SLE Freq.	-33,5	-25,8	-42540	644,8	-841,6	69,5
158	2	SLE Freq.	2811,9	2264,8	-42560	-56620	70290	64,5
159	2	SLE Freq.	-12090	-9454,4	-40410	236400	-302300	-691,4
160	2	SLE Freq.	49,0	-28,1	-42500	701,9	1220,5	69,3
161	2	SLE Freq.	-122,8	-24,5	-42590	612,4	-3073,6	67,6
162	2	SLE Freq.	-31,0	79,8	-42480	-1996,0	-778,7	85,7
163	2	SLE Freq.	-36,1	-123,9	-42590	3096,2	-906,2	59,5
164	2	SLE Quasi P.	-33,5	-25,8	-42540	644,8	-841,6	69,5
165	2	SLU A1 sism.	8953,2	-2065,8	-37520	51650	223800	10110
166	2	SLU A1 sism.	7019,7	-5106,0	-39220	127600	175500	4850,5
167	2	SLU A1 sism.	-7086,7	5054,4	-45870	-126400	-177200	-4711,4
168	2	SLU A1 sism.	-9020,2	2014,3	-47570	-50360	-225500	-9975,6
169	2	SLU A1 sism.	7160,9	-984,7	-37140	24620	179000	5244,2
170	2	SLU A1 sism.	8812,0	-6187,1	-39600	154700	220300	9721,0
171	2	SLU A1 sism.	-8879,0	6135,5	-45490	-153400	-222000	-9581,9
172	2	SLU A1 sism.	-7227,9	933,1	-47950	-23330	-180700	-5105,1
173	2	SLU A1 sism.	6524,3	5082,8	-38000	-127100	163100	-4758,7
174	2	SLU A1 sism.	4590,8	2042,7	-39700	-51070	114800	-10020
175	2	SLU A1 sism.	-4657,8	-2094,3	-45390	52360	-116500	10160
176	2	SLU A1 sism.	-6591,3	-5134,4	-47090	128400	-164800	4897,7
177	2	SLU A1 sism.	4732,0	6163,9	-37620	-154100	118300	-9629,2
178	2	SLU A1 sism.	6383,2	961,6	-40080	-24040	159600	-5152,3
179	2	SLU A1 sism.	-6450,1	-1013,1	-45010	25330	-161300	5291,4
180	2	SLU A1 sism.	-4799,0	-6215,5	-47470	155400	-120000	9768,2
181	2	SLU A1 sism.	5595,0	3973,1	-38460	-99330	139900	11070
182	2	SLU A1 sism.	-850,0	-6160,7	-44120	154000	-21250	-6480,2
183	2	SLU A1 sism.	783,0	6109,1	-40970	-152700	19570	6619,2
184	2	SLU A1 sism.	-5661,9	-4024,7	-46620	100600	-141600	-10930
185	2	SLU A1 sism.	4866,3	6117,7	-38610	-152900	121700	6605,1

186	2	SLU A1 sism.	-1578,6	-4016,1	-44260	100400	-39470	-10940
187	2	SLU A1 sism.	1511,7	3964,6	-40830	-99110	37790	11080
188	2	SLU A1 sism.	-4933,3	-6169,3	-46480	154200	-123300	-6466,0
189	2	SLU A1 sism.	-379,5	7576,8	-37200	-189400	-9490,2	-5167,9
190	2	SLU A1 sism.	5124,4	-9764,4	-45390	244100	128100	9754,8
191	2	SLU A1 sism.	-5191,4	9712,8	-39700	-242800	-129800	-9615,8
192	2	SLU A1 sism.	312,5	-7628,4	-47890	190700	7807,0	5307,0
193	2	SLU A1 sism.	-1108,1	9721,4	-37340	-243000	-27710	-9629,9
194	2	SLU A1 sism.	4395,8	-7619,8	-45530	190500	109900	5292,8
195	2	SLU A1 sism.	-4462,8	7568,2	-39560	-189200	-111600	-5153,8
196	2	SLU A1 sism.	1041,1	-9772,9	-47750	244300	26020	9769,0

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 5, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		cm	daN	daN	daN cm				
58	2	0	-36338,1	46277,2	1156933	0,368	0,152	0,726	Ok
89	2	0	-56519,8	6240,3	156002,1	0,046	0,236	0,095	Ok
58	2	-53,3	-36129,0	4186,3	2672443	0,850	0,151	0,066	Ok
89	2	-53,3	-56194,6	564,5	360362,1	0,106	0,235	0,009	Ok
58	2	-106,7	-35985,3	8160,0	2895714	0,922	0,150	0,128	Ok
89	2	-106,7	-55971,1	1100,3	390470,3	0,115	0,234	0,017	Ok
58	2	-160	-35870,2	9654,3	2460512	0,784	0,150	0,152	Ok
89	2	-160	-55792,0	1301,8	331786,3	0,098	0,233	0,020	Ok
58	2	-213,3	-35814,8	8501,9	1945616	0,620	0,150	0,134	Ok
89	2	-213,3	-55705,9	1146,4	262355,6	0,077	0,233	0,017	Ok
58	2	-266,7	-35782,9	7963,8	1492181	0,475	0,149	0,125	Ok
89	2	-266,7	-55656,3	1073,9	201212,5	0,059	0,233	0,016	Ok
58	2	-320	-35739,0	6782,6	1067446	0,340	0,149	0,107	Ok
89	2	-320	-55588,0	914,6	143939,4	0,042	0,232	0,014	Ok
58	2	-373,3	-35687,2	5412,1	705705,7	0,225	0,149	0,085	Ok
89	2	-373,3	-55507,4	729,8	95160,7	0,028	0,232	0,011	Ok
58	2	-426,7	-35631,5	4105,9	417061,4	0,133	0,149	0,065	Ok
89	2	-426,7	-55420,7	553,7	56238,6	0,017	0,232	0,008	Ok
58	2	-480	-35571,9	2942,0	198079,8	0,063	0,149	0,046	Ok
89	2	-480	-55328,1	396,7	26710,1	0,008	0,231	0,006	Ok
58	2	-533,3	-35508,6	1960,6	41171,7	0,013	0,148	0,031	Ok
89	2	-533,3	-55229,6	264,4	5551,9	0,002	0,231	0,004	Ok
58	2	-586,7	-35441,7	1173,5	63392,2	0,020	0,148	0,018	Ok
89	2	-586,7	-55125,6	158,2	8548,0	0,003	0,230	0,002	Ok
58	2	-640	-35371,4	573,5	125978,7	0,040	0,148	0,009	Ok
89	2	-640	-55016,2	77,3	16987,4	0,005	0,230	0,001	Ok
58	2	-693,3	-35297,7	141,3	156565	0,050	0,147	0,002	Ok
89	2	-693,3	-54901,6	19,1	21111,9	0,006	0,229	0,000	Ok

58	2	-746,7	-35220,8	148,6	164100,6	0,052	0,147	0,002	Ok
89	2	-746,7	-54781,9	20,0	22128,0	0,007	0,229	0,000	Ok
58	2	-800	-35140,8	323,9	156173,9	0,050	0,147	0,005	Ok
89	2	-800	-54657,5	43,7	21059,2	0,006	0,228	0,001	Ok
58	2	-853,3	-35057,7	411,2	138901,3	0,044	0,146	0,006	Ok
89	2	-853,3	-54528,3	55,4	18730,1	0,006	0,228	0,001	Ok
58	2	-906,7	-34971,8	434,7	116971,8	0,037	0,146	0,007	Ok
89	2	-906,7	-54394,7	58,6	15773,0	0,005	0,227	0,001	Ok
58	2	-960	-34883,2	415,0	93786,8	0,030	0,146	0,007	Ok
89	2	-960	-54256,9	56,0	12646,6	0,004	0,227	0,001	Ok
58	2	-1013,3	-34791,9	368,8	71651,6	0,023	0,145	0,006	Ok
89	2	-1013,3	-54114,9	49,7	9661,8	0,003	0,226	0,001	Ok
58	2	-1066,7	-34698,1	308,7	51984,4	0,017	0,145	0,005	Ok
89	2	-1066,7	-53968,9	41,6	7009,8	0,002	0,225	0,001	Ok
58	2	-1120	-34601,8	244,3	35519,3	0,011	0,145	0,004	Ok
89	2	-1120	-53819,2	32,9	4789,6	0,001	0,225	0,001	Ok
58	2	-1173,3	-34503,3	182,0	22489,8	0,007	0,144	0,003	Ok
89	2	-1173,3	-53666,0	24,5	3032,6	0,001	0,224	0,000	Ok
58	2	-1226,7	-34402,6	125,9	12783,8	0,004	0,144	0,002	Ok
89	2	-1226,7	-53509,3	17,0	1723,8	0,001	0,224	0,000	Ok
58	2	-1280	-34299,8	78,5	6067,5	0,002	0,143	0,001	Ok
89	2	-1280	-53349,5	10,6	818,2	0,000	0,223	0,000	Ok
58	2	-1333,3	-34195,1	41,0	1878,4	0,001	0,143	0,001	Ok
89	2	-1333,3	-53186,5	5,5	253,3	0,000	0,222	0,000	Ok
58	2	-1386,7	-34088,5	13,8	309,9	0,000	0,142	0,000	Ok
89	2	-1386,7	-53020,8	1,9	41,8	0,000	0,222	0,000	Ok
58	2	-1440	-33980,1	3,1	1046,2	0,000	0,142	0,000	Ok
89	2	-1440	-52852,3	0,4	141,1	0,000	0,221	0,000	Ok
58	2	-1493,3	-33870,2	9,9	880,0	0,000	0,141	0,000	Ok
89	2	-1493,3	-52681,2	1,3	118,7	0,000	0,220	0,000	Ok
58	2	-1546,7	-33758,7	6,6	353,0	0,000	0,141	0,000	Ok
89	2	-1546,7	-52507,9	0,9	47,6	0,000	0,219	0,000	Ok
80	2	-1600	-33322,4	6,5	0	0	0,139	0,000	Ok
89	2	-1600	-52507,9	0,9	0	0	0,219	0,000	Ok
58	2	-1600	-33758,7	6,6	0	0	0,141	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
2	58	2	-106,7	-35985,3	8160,0	2895714	0,922	0,150	0,128
2	89	2	0	-56519,8	6240,3	156002,1	0,046	0,236	0,095

S/Su massime:
Ver. N/M = 0,922 < 1 Ok
Ver. (25) = 0,236 < 1 Ok
Ver. V = 0,726 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**	**Stato**
		cm	daN	daN cm	daN/cmq	daN/cmq	
133	2	0	-38406,8	771642,3	-593,8	-50,1	Ok
133	2	-53,3	-38185,8	1782443	2270,1	-123,6	Ok
133	2	-106,7	-38034,0	1931358	2566,2	-134,4	Ok
133	2	-160	-37912,2	1641091	2003,7	-113,4	Ok

133	2	-213,3	-37853,8	1297670	1347,5	-88,4	Ok
133	2	-266,7	-37820,1	995241,8	794,7	-66,3	Ok
133	2	-320	-37773,7	711955,9	-551,0	-46,0	Ok
133	2	-373,3	-37718,9	470685,4	-393,0	-31,0	Ok
133	2	-426,7	-37660,0	278167,9	-295,6	-22,3	Ok
133	2	-480	-37597	132113,5	-230,3	-16,6	Ok
150	2	-533,3	-42164,1	6294,6	-195,0	-13,1	Ok
150	2	-586,7	-42084,7	9691,5	-196,2	-13,2	Ok
155	2	-640	-37393,6	83967,2	-207,9	-14,6	Ok
133	2	-693,3	-37307,2	104424,4	-216,6	-15,4	Ok
155	2	-693,3	-37315,7	104353,6	-216,6	-15,4	Ok
156	2	-693,3	-39062,5	63356,5	-206,3	-14,3	Ok
133	2	-746,7	-37225,9	109450,4	-218,5	-15,6	Ok
155	2	-746,7	-37234,4	109376,2	-218,5	-15,6	Ok
156	2	-746,7	-38977,3	66406,0	-207,3	-14,4	Ok
133	2	-800	-37141,3	104163,5	-215,7	-15,4	Ok
155	2	-800	-37149,8	104092,9	-215,7	-15,4	Ok
156	2	-800	-38888,8	63198,3	-205,4	-14,3	Ok
155	2	-853,3	-37062,0	92580,4	-210,2	-14,9	Ok
155	2	-906,7	-36971,2	77963,9	-203,3	-14,3	Ok
155	2	-960	-36877,5	62510,7	-196,0	-13,6	Ok
155	2	-1013,3	-36781,0	47757,2	-188,9	-13,0	Ok
150	2	-1013,3	-41313,1	10954,3	-193,2	-13,0	Ok
156	2	-1013,3	-38502,7	28995,0	-188,4	-12,8	Ok
150	2	-1066,7	-41201,7	7947,5	-191,4	-12,8	Ok
150	2	-1120	-41087,4	5430,3	-189,7	-12,7	Ok
150	2	-1173,3	-40970,4	3438,3	-188,3	-12,6	Ok
149	2	-1226,7	-41043,3	1147,7	-187,1	-12,5	Ok
149	2	-1280	-40920,7	544,7	-186,5	-12,4	Ok
149	2	-1333,3	-40795,7	168,6	-186,0	-12,4	Ok
149	2	-1386,7	-40668,6	27,8	-185,4	-12,4	Ok
149	2	-1440	-40539,3	93,9	-184,8	-12,3	Ok
149	2	-1493,3	-40408,2	79,0	-184,2	-12,3	Ok
149	2	-1546,7	-40275,2	31,7	-183,6	-12,2	Ok
149	2	-1600	-40275,2	0	-183,6	-12,2	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**
			cm	daN	daN cm	daN/cmq	daN/cmq
2	133	2	-106,7	-38034,0	1931358	2566,2	-134,4

Valori massimi SLE condizioni rare:
Ten.massima CLS = 134,4 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 2566,2 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Wk**	**Stato**
		cm	daN	daN cm	mm	
159	2	0	-40411,1	383738	0	Ok
159	2	-53,3	-40178,6	886407,3	0,023	Ok
159	2	-106,7	-40018,8	960462,1	0,041	Ok
159	2	-160	-39890,7	816112,2	0,008	Ok
159	2	-213,3	-39829,2	645329,5	0	Ok
159	2	-266,7	-39793,7	494932,3	0	Ok
159	2	-320	-39744,9	354054,6	0	Ok
159	2	-373,3	-39687,3	234071,2	0	Ok
159	2	-426,7	-39625,3	138332,5	0	Ok
159	2	-480	-39559,0	65699,8	0	Ok

158	2	-533,3	-41585,5	3212,3	0	Ok
158	2	-586,7	-41507,2	4945,7	0	Ok
159	2	-640	-39336,1	41785,2	0	Ok
159	2	-693,3	-39254,1	51930,1	0	Ok
159	2	-746,7	-39168,6	54429,6	0	Ok
159	2	-800	-39079,6	51800,4	0	Ok
159	2	-853,3	-38987,3	46071,3	0	Ok
159	2	-906,7	-38891,7	38797,7	0	Ok
159	2	-960	-38793,1	31107,6	0	Ok
159	2	-1013,3	-38691,6	23765,7	0	Ok
158	2	-1013,3	-40746,1	5590,2	0	Ok
163	2	-1013,3	-40777,9	199,7	0	Ok
158	2	-1066,7	-40636,3	4055,8	0	Ok
158	2	-1120	-40523,6	2771,2	0	Ok
163	2	-1173,3	-40439,7	62,7	0	Ok
163	2	-1226,7	-40321,6	35,6	0	Ok
163	2	-1280	-40201,2	16,9	0	Ok
163	2	-1333,3	-40078,4	5,2	0	Ok
163	2	-1386,7	-39953,5	0,9	0	Ok
163	2	-1440	-39826,5	2,9	0	Ok
163	2	-1493,3	-39697,6	2,5	0	Ok
163	2	-1546,7	-39567,0	1,0	0	Ok
163	2	-1600	-39567,0	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
2	159	2	-106,7	-40018,8	960462,1	0,041

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0,041 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	2	0	-42544,3	1060,2	-12,9	0	Ok
164	2	-53,3	-42299,5	2444,2	-12,9	0	Ok
164	2	-106,7	-42131,3	2647,4	-12,9	0	Ok
164	2	-160	-41996,4	2249,1	-12,8	0	Ok
164	2	-213,3	-41931,7	1778,4	-12,7	0	Ok
164	2	-266,7	-41894,3	1363,9	-12,7	0	Ok
164	2	-320	-41842,9	975,6	-12,7	0	Ok
164	2	-373,3	-41782,3	644,9	-12,7	0	Ok
164	2	-426,7	-41717,0	381,1	-12,7	0	Ok
164	2	-480	-41647,2	180,9	-12,7	0	Ok
164	2	-533,3	-41573,1	37,5	-12,6	0	Ok
164	2	-586,7	-41494,8	58,0	-12,6	0	Ok
164	2	-640	-41412,5	115,2	-12,6	0	Ok
164	2	-693,3	-41326,2	143,2	-12,6	0	Ok
164	2	-746,7	-41236,2	150,0	-12,5	0	Ok
164	2	-800	-41142,5	142,8	-12,5	0	Ok
164	2	-853,3	-41045,3	127,0	-12,5	0	Ok
164	2	-906,7	-40944,7	106,9	-12,4	0	Ok
164	2	-960	-40840,9	85,7	-12,4	0	Ok
164	2	-1013,3	-40734,0	65,5	-12,4	0	Ok
164	2	-1066,7	-40624,2	47,5	-12,3	0	Ok
164	2	-1120	-40511,5	32,5	-12,3	0	Ok

164	2	-1173,3	-40396,1	20,6	-12,3	0	Ok
164	2	-1226,7	-40278,2	11,7	-12,2	0	Ok
164	2	-1280	-40157,9	5,5	-12,2	0	Ok
164	2	-1333,3	-40035,2	1,7	-12,2	0	Ok
164	2	-1386,7	-39910,4	0,3	-12,1	0	Ok
164	2	-1440	-39783,6	1,0	-12,1	0	Ok
164	2	-1493,3	-39654,9	0,8	-12,1	0	Ok
164	2	-1546,7	-39524,4	0,3	-12,0	0	Ok
164	2	-1600	-39524,4	0	-12,0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
2	164	2	0	-42544,3	1060,2	-12,9	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 12,9 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 3

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	**Plin.**	**Tipo**	**Vx**	**Vy**	**N**	**Mx**	**My**	**T**
			daN	daN	daN	daN cm	daN cm	daN cm
1	3	SLU STR.	-30,4	0,1	-59180	-2,0	-760,3	-31,0
2	3	SLU STR.	-23,8	0,0	-45690	-1,0	-593,8	-24,6
3	3	SLU STR.	-28,9	0,2	-58460	-4,1	-721,5	-27,8
4	3	SLU STR.	-22,2	0,1	-44970	-3,1	-555,0	-21,4
5	3	SLU STR.	1794,8	4124,2	-59600	-103100	44870	-21,4
6	3	SLU STR.	1801,5	4124,2	-46110	-103100	45040	-15,0
7	3	SLU STR.	3012,8	6873,7	-59360	-171800	75320	-12,5
8	3	SLU STR.	3019,5	6873,7	-45870	-171800	75490	-6,1
9	3	SLU STR.	1796,4	4124,3	-58890	-103100	44910	-18,2
10	3	SLU STR.	1803,0	4124,3	-45400	-103100	45080	-11,7
11	3	SLU STR.	-7799,8	-17330	-57030	433100	-195000	-697,2
12	3	SLU STR.	-7793,1	-17330	-43540	433100	-194800	-690,8
13	3	SLU STR.	-7798,2	-17330	-56310	433100	-195000	-694,0
14	3	SLU STR.	-7791,6	-17330	-42820	433100	-194800	-687,6
15	3	SLU STR.	-12980	-28880	-54880	721900	-324400	-1138,2
16	3	SLU STR.	-12970	-28880	-41390	721900	-324300	-1131,7
17	3	SLU STR.	341,5	-4,8	-59140	118,8	8537,2	-2,7
18	3	SLU STR.	348,2	-4,8	-45650	119,7	8703,7	3,8
19	3	SLU STR.	343,0	-4,7	-58420	116,7	8575,9	0,6
20	3	SLU STR.	349,7	-4,7	-44930	117,6	8742,4	7,0
21	3	SLU STR.	591,0	-7,9	-58400	197,2	14770	19,5
22	3	SLU STR.	597,6	-7,9	-44900	198,1	14940	25,9
23	3	SLU STR.	2166,7	4119,4	-59570	-103000	54170	7,0
24	3	SLU STR.	2173,4	4119,4	-46080	-103000	54330	13,4
25	3	SLU STR.	3384,7	6868,9	-59330	-171700	84620	15,8
26	3	SLU STR.	3391,4	6868,8	-45830	-171700	84780	22,2
27	3	SLU STR.	2168,3	4119,5	-58850	-103000	54210	10,2
28	3	SLU STR.	2174,9	4119,4	-45360	-103000	54370	16,6

29	3	SLU STR.	2416,2	4116,3	-58820	-102900	60410	29,1
30	3	SLU STR.	2422,9	4116,2	-45330	-102900	60570	35,5
31	3	SLU STR.	-7427,9	-17330	-56990	433300	-185700	-668,9
32	3	SLU STR.	-7421,2	-17330	-43500	433300	-185500	-662,5
33	3	SLU STR.	-7426,3	-17330	-56270	433300	-185700	-665,7
34	3	SLU STR.	-7419,7	-17330	-42780	433300	-185500	-659,3
35	3	SLU STR.	-12610	-28880	-54840	722000	-315100	-1109,8
36	3	SLU STR.	-12600	-28880	-41350	722000	-315000	-1103,4
37	3	SLU STR.	-7178,4	-17330	-56250	433300	-179500	-646,8
38	3	SLU STR.	-7171,7	-17330	-42760	433300	-179300	-640,4
39	3	SLU STR.	-432,9	1,9	-59260	-47,4	-10820	-51,7
40	3	SLU STR.	-426,3	1,9	-45770	-46,4	-10660	-45,3
41	3	SLU STR.	-431,4	2,0	-58540	-49,5	-10780	-48,5
42	3	SLU STR.	-424,7	1,9	-45050	-48,5	-10620	-42,0
43	3	SLU STR.	-699,7	3,2	-58600	-79,7	-17490	-62,2
44	3	SLU STR.	-693,1	3,2	-45110	-78,8	-17330	-55,8
45	3	SLU STR.	1392,3	4126,0	-59690	-103200	34810	-42,0
46	3	SLU STR.	1399,0	4126	-46200	-103200	34970	-35,6
47	3	SLU STR.	2610,3	6875,5	-59450	-171900	65260	-33,2
48	3	SLU STR.	2617,0	6875,5	-45960	-171900	65420	-26,8
49	3	SLU STR.	1393,9	4126,1	-58970	-103200	34850	-38,8
50	3	SLU STR.	1400,5	4126,1	-45480	-103200	35010	-32,4
51	3	SLU STR.	1125,5	4127,3	-59030	-103200	28140	-52,6
52	3	SLU STR.	1132,2	4127,3	-45530	-103200	28300	-46,2
53	3	SLU STR.	-8202,3	-17320	-57110	433100	-205100	-717,9
54	3	SLU STR.	-8195,6	-17320	-43620	433100	-204900	-711,5
55	3	SLU STR.	-8200,7	-17320	-56400	433100	-205000	-714,7
56	3	SLU STR.	-8194,1	-17320	-42900	433100	-204900	-708,3
57	3	SLU STR.	-13380	-28870	-54960	721900	-334500	-1158,8
58	3	SLU STR.	-13370	-28870	-41470	721900	-334300	-1152,4
59	3	SLU STR.	-8469,1	-17320	-56450	433100	-211700	-728,4
60	3	SLU STR.	-8462,4	-17320	-42960	433100	-211600	-722,0
61	3	SLU STR.	-19,8	490,8	-58960	-12270	-494,3	7,3
62	3	SLU STR.	-13,1	490,8	-45470	-12270	-327,8	13,7
63	3	SLU STR.	-18,2	490,9	-58250	-12270	-455,6	10,5
64	3	SLU STR.	-11,6	490,9	-44760	-12270	-289,1	16,9
65	3	SLU STR.	-11,1	818,1	-58110	-20450	-278,3	36,0
66	3	SLU STR.	-4,5	818,0	-44610	-20450	-111,8	42,4
67	3	SLU STR.	1805,5	4615,0	-59390	-115400	45140	16,9
68	3	SLU STR.	1812,1	4614,9	-45900	-115400	45300	23,3
69	3	SLU STR.	3023,4	7364,5	-59150	-184100	75590	25,7
70	3	SLU STR.	3030,1	7364,4	-45660	-184100	75750	32,2
71	3	SLU STR.	1807,0	4615,1	-58670	-115400	45180	20,1
72	3	SLU STR.	1813,7	4615,0	-45180	-115400	45340	26,5
73	3	SLU STR.	1814,1	4942,2	-58530	-123600	45350	45,6
74	3	SLU STR.	1820,8	4942,2	-45040	-123600	45520	52,0
75	3	SLU STR.	-7789,1	-16840	-56820	420900	-194700	-659,0
76	3	SLU STR.	-7782,5	-16840	-43330	420900	-194600	-652,6
77	3	SLU STR.	-7787,6	-16830	-56100	420900	-194700	-655,7
78	3	SLU STR.	-7780,9	-16840	-42610	420900	-194500	-649,3
79	3	SLU STR.	-12970	-28390	-54670	709600	-324200	-1099,9
80	3	SLU STR.	-12960	-28390	-41180	709600	-324000	-1093,5
81	3	SLU STR.	-7780,5	-16510	-55960	412700	-194500	-630,2
82	3	SLU STR.	-7773,8	-16510	-42470	412700	-194300	-623,8
83	3	SLU STR.	-42,4	-452,5	-59350	11310	-1059,9	-66,9
84	3	SLU STR.	-35,7	-452,6	-45850	11310	-893,4	-60,5
85	3	SLU STR.	-40,8	-452,5	-58630	11310	-1021,1	-63,6

86	3	SLU STR.	-34,2	-452,5	-45140	11310	-854,6	-57,2
87	3	SLU STR.	-48,8	-754,2	-58740	18860	-1220,8	-87,5
88	3	SLU STR.	-42,2	-754,3	-45250	18860	-1054,3	-81,1
89	3	SLU STR.	1782,8	3671,6	-59770	-91790	44570	-57,2
90	3	SLU STR.	1789,5	3671,6	-46280	-91790	44740	-50,8
91	3	SLU STR.	3000,8	6421,1	-59530	-160500	75020	-48,4
92	3	SLU STR.	3007,5	6421,1	-46040	-160500	75190	-42,0
93	3	SLU STR.	1784,4	3671,7	-59060	-91790	44610	-54
94	3	SLU STR.	1791,1	3671,6	-45560	-91790	44780	-47,6
95	3	SLU STR.	1776,4	3369,9	-59170	-84250	44410	-77,9
96	3	SLU STR.	1783,1	3369,9	-45680	-84250	44580	-71,5
97	3	SLU STR.	-7811,8	-17780	-57200	444500	-195300	-733,1
98	3	SLU STR.	-7805,1	-17780	-43710	444500	-195100	-726,7
99	3	SLU STR.	-7810,2	-17780	-56480	444500	-195300	-729,9
100	3	SLU STR.	-7803,6	-17780	-42990	444500	-195100	-723,5
101	3	SLU STR.	-12990	-29330	-55050	733200	-324700	-1174,0
102	3	SLU STR.	-12980	-29330	-41560	733200	-324600	-1167,6
103	3	SLU STR.	-7818,2	-18080	-56590	452000	-195500	-753,8
104	3	SLU STR.	-7811,5	-18080	-43100	452000	-195300	-747,4
105	3	SLE Rare	-23,2	0,1	-45450	-1,7	-580,9	-23,5
106	3	SLE Rare	-22,2	0,1	-44970	-3,1	-555,0	-21,4
107	3	SLE Rare	1193,6	2749,5	-45730	-68740	29840	-17,1
108	3	SLE Rare	2005,6	4582,5	-45570	-114600	50140	-11,2
109	3	SLE Rare	1194,6	2749,6	-45250	-68740	29870	-15,0
110	3	SLE Rare	-5202,8	-11550	-44020	288800	-130100	-467,7
111	3	SLE Rare	-5201,8	-11550	-43540	288800	-130000	-465,5
112	3	SLE Rare	-8654,8	-19250	-42580	481300	-216400	-761,6
113	3	SLE Rare	224,7	-3,2	-45420	78,8	5617,5	-4,6
114	3	SLE Rare	225,7	-3,1	-44940	77,4	5643,3	-2,5
115	3	SLE Rare	391,0	-5,2	-44930	131,0	9775,5	10,1
116	3	SLE Rare	1441,5	2746,3	-45710	-68660	36040	1,8
117	3	SLE Rare	2253,5	4579,3	-45550	-114500	56340	7,7
118	3	SLE Rare	1442,6	2746,3	-45230	-68660	36060	4,0
119	3	SLE Rare	1607,8	2744,2	-45210	-68600	40200	16,6
120	3	SLE Rare	-4954,9	-11550	-43990	288800	-123900	-448,8
121	3	SLE Rare	-4953,9	-11550	-43510	288800	-123800	-446,6
122	3	SLE Rare	-8406,9	-19250	-42560	481400	-210200	-742,7
123	3	SLE Rare	-4788,6	-11560	-43490	288900	-119700	-434,0
124	3	SLE Rare	-291,6	1,3	-45500	-32,0	-7289,4	-37,3
125	3	SLE Rare	-290,5	1,3	-45020	-33,4	-7263,6	-35,2
126	3	SLE Rare	-469,4	2,1	-45060	-53,6	-11740	-44,3
127	3	SLE Rare	925,3	2750,7	-45790	-68770	23130	-30,9
128	3	SLE Rare	1737,2	4583,7	-45630	-114600	43430	-25,0
129	3	SLE Rare	926,3	2750,8	-45310	-68770	23160	-28,7
130	3	SLE Rare	747,4	2751,6	-45350	-68790	18680	-37,9
131	3	SLE Rare	-5471,2	-11550	-44070	288700	-136800	-481,5
132	3	SLE Rare	-5470,1	-11550	-43590	288700	-136800	-479,3
133	3	SLE Rare	-8923,2	-19250	-42640	481200	-223100	-775,4
134	3	SLE Rare	-5649,0	-11550	-43630	288700	-141200	-488,5
135	3	SLE Rare	-16,1	327,2	-45310	-8180,9	-403,6	2,0
136	3	SLE Rare	-15,1	327,3	-44830	-8182,3	-377,7	4,1
137	3	SLE Rare	-10,4	545,4	-44730	-13640	-259,5	21,1
138	3	SLE Rare	1200,7	3076,7	-45590	-76920	30020	8,4
139	3	SLE Rare	2012,7	4909,7	-45430	-122700	50320	14,3
140	3	SLE Rare	1201,7	3076,7	-45110	-76920	30040	10,6
141	3	SLE Rare	1206,4	3294,8	-45020	-82370	30160	27,6
142	3	SLE Rare	-5195,7	-11220	-43870	280600	-129900	-442,2

143	3	SLE Rare	-5194,7	-11220	-43400	280600	-129900	-440,0
144	3	SLE Rare	-8647,7	-18920	-42440	473100	-216200	-736,1
145	3	SLE Rare	-5190,0	-11010	-43300	275100	-129700	-423,0
146	3	SLE Rare	-31,2	-301,7	-45560	7542,0	-780,6	-47,4
147	3	SLE Rare	-30,2	-301,6	-45080	7540,6	-754,7	-45,3
148	3	SLE Rare	-35,5	-502,8	-45160	12570	-887,9	-61,2
149	3	SLE Rare	1185,6	2447,8	-45840	-61190	29640	-41
150	3	SLE Rare	1997,6	4280,7	-45680	-107000	49940	-35,1
151	3	SLE Rare	1186,6	2447,8	-45370	-61200	29670	-38,9
152	3	SLE Rare	1181,3	2246,6	-45440	-56170	29530	-54,8
153	3	SLE Rare	-5210,8	-11850	-44130	296300	-130300	-491,6
154	3	SLE Rare	-5209,8	-11850	-43650	296300	-130200	-489,4
155	3	SLE Rare	-8662,8	-19550	-42700	488800	-216600	-785,5
156	3	SLE Rare	-5215,1	-12050	-43720	301300	-130400	-505,4
157	3	SLE Freq.	-22,2	0,1	-44970	-3,1	-555,0	-21,4
158	3	SLE Freq.	992,2	2291,3	-45040	-57280	24800	-15,3
159	3	SLE Freq.	-4338,5	-9625,4	-43780	240600	-108500	-391,5
160	3	SLE Freq.	60,4	-1,0	-44960	23,7	1511,1	-15,1
161	3	SLE Freq.	-111,7	0,5	-44990	-13,2	-2791,2	-26,0
162	3	SLE Freq.	-19,8	109,2	-44920	-2729,5	-495,9	-12,9
163	3	SLE Freq.	-24,9	-100,5	-45010	2511,5	-621,6	-29,3
164	3	SLE Quasi P.	-22,2	0,1	-44970	-3,1	-555,0	-21,4
165	3	SLU A1 sism.	8978,9	206,8	-42530	-5171,0	224500	10100
166	3	SLU A1 sism.	7041,3	-3045,7	-44550	76140	176000	4806,4
167	3	SLU A1 sism.	-7085,7	3046,0	-45380	-76150	-177100	-4849,2
168	3	SLU A1 sism.	-9023,3	-206,6	-47400	5164,7	-225600	-10140
169	3	SLU A1 sism.	7183,7	706,2	-42400	-17650	179600	5195,9
170	3	SLU A1 sism.	8836,4	-3545,1	-44690	88630	220900	9710,9
171	3	SLU A1 sism.	-8880,8	3545,3	-45250	-88630	-222000	-9753,6
172	3	SLU A1 sism.	-7228,1	-705,9	-47540	17650	-180700	-5238,6
173	3	SLU A1 sism.	6547,3	3057,6	-42600	-76440	163700	-4855,3
174	3	SLU A1 sism.	4609,8	-195,0	-44620	4875,1	115200	-10150
175	3	SLU A1 sism.	-4654,2	195,3	-45320	-4881,4	-116400	10110
176	3	SLU A1 sism.	-6591,7	-3057,3	-47340	76430	-164800	4812,6
177	3	SLU A1 sism.	4752,2	3556,9	-42470	-88920	118800	-9759,8
178	3	SLU A1 sism.	6404,9	-694,3	-44760	17360	160100	-5244,8
179	3	SLU A1 sism.	-6449,3	694,6	-45180	-17360	-161200	5202,1
180	3	SLU A1 sism.	-4796,6	-3556,7	-47470	88920	-119900	9717,0
181	3	SLU A1 sism.	5616,8	4995,2	-41170	-124900	140400	11040
182	3	SLU A1 sism.	-841,8	-5846,7	-47910	146200	-21050	-6602,2
183	3	SLU A1 sism.	797,4	5847,0	-42030	-146200	19940	6559,4
184	3	SLU A1 sism.	-5661,2	-4995,0	-48770	124900	-141500	-11090
185	3	SLU A1 sism.	4887,3	5850,4	-41190	-146300	122200	6557,5
186	3	SLU A1 sism.	-1571,3	-4991,5	-47930	124800	-39280	-11090
187	3	SLU A1 sism.	1526,9	4991,7	-42010	-124800	38170	11050
188	3	SLU A1 sism.	-4931,7	-5850,2	-48740	146300	-123300	-6600,3
189	3	SLU A1 sism.	-367,1	6659,6	-40730	-166500	-9176,4	-5303,9
190	3	SLU A1 sism.	5142,0	-7511,1	-48360	187800	128600	9746,0
191	3	SLU A1 sism.	-5186,4	7511,4	-41580	-187800	-129700	-9788,8
192	3	SLU A1 sism.	322,7	-6659,4	-49210	166500	8066,4	5261,2
193	3	SLU A1 sism.	-1096,5	7514,9	-40750	-187900	-27410	-9790,6
194	3	SLU A1 sism.	4412,6	-6655,9	-48380	166400	110300	5259,3
195	3	SLU A1 sism.	-4457,0	6656,2	-41560	-166400	-111400	-5302,1
196	3	SLU A1 sism.	1052,1	-7514,6	-49190	187900	26300	9747,9

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		cm	daN	daN	daN cm				
102	3	0	-41558,9	32074,2	801855,4	0,249	0,174	0,843	Ok
89	3	0	-59773,1	4081,6	102039,2	0,030	0,250	0,107	Ok
101	3	0	-55049,5	32076,8	801921,9	0,237	0,230	0,843	Ok
102	3	-53,3	-41319,7	2901,5	1852238	0,577	0,173	0,076	Ok
89	3	-53,3	-59429,2	369,2	235704,4	0,069	0,248	0,010	Ok
101	3	-53,3	-54732,7	2901,7	1852392	0,548	0,229	0,076	Ok
102	3	-106,7	-41155,4	5655,6	2006985	0,625	0,172	0,149	Ok
89	3	-106,7	-59192,9	719,7	255396,5	0,074	0,247	0,019	Ok
101	3	-106,7	-54515,1	5656,1	2007152	0,594	0,228	0,149	Ok
102	3	-160	-41023,7	6691,3	1705352	0,532	0,171	0,176	Ok
89	3	-160	-59003,4	851,5	217012,5	0,063	0,246	0,022	Ok
101	3	-160	-54340,6	6691,8	1705493	0,505	0,227	0,176	Ok
102	3	-213,3	-40960,4	5892,6	1348484	0,421	0,171	0,155	Ok
89	3	-213,3	-58912,4	749,9	171599,7	0,050	0,246	0,020	Ok
101	3	-213,3	-54256,8	5893,1	1348595	0,399	0,227	0,155	Ok
102	3	-266,7	-40923,9	5519,6	1034213	0,323	0,171	0,145	Ok
89	3	-266,7	-58859,9	702,4	131607,6	0,038	0,246	0,018	Ok
101	3	-266,7	-54208,5	5520,1	1034299	0,306	0,226	0,145	Ok
102	3	-320	-40873,8	4701,0	739834,4	0,231	0,171	0,124	Ok
89	3	-320	-58787,7	598,2	94146,8	0,027	0,246	0,016	Ok
101	3	-320	-54142,0	4701,4	739895,8	0,219	0,226	0,124	Ok
102	3	-373,3	-40814,5	3751,1	489116,4	0,153	0,171	0,099	Ok
89	3	-373,3	-58702,5	477,3	62241,9	0,018	0,245	0,013	Ok
101	3	-373,3	-54063,5	3751,4	489157	0,145	0,226	0,099	Ok
102	3	-426,7	-40750,7	2845,8	289060,4	0,090	0,170	0,075	Ok
89	3	-426,7	-58610,8	362,1	36784,0	0,011	0,245	0,010	Ok
101	3	-426,7	-53979,0	2846,0	289084,4	0,086	0,226	0,075	Ok
102	3	-480	-40682,6	2039,1	137286,9	0,043	0,170	0,054	Ok
89	3	-480	-58512,8	259,5	17470,3	0,005	0,244	0,007	Ok
101	3	-480	-53888,8	2039,3	137298,2	0,041	0,225	0,054	Ok
102	3	-533,3	-40610,2	1358,9	28535,7	0,009	0,170	0,036	Ok
89	3	-533,3	-58408,7	172,9	3631,3	0,001	0,244	0,005	Ok
101	3	-533,3	-53792,9	1359,0	28538,1	0,008	0,225	0,036	Ok
102	3	-586,7	-40533,7	813,3	43936,3	0,014	0,169	0,021	Ok
89	3	-586,7	-58298,7	103,5	5591,1	0,002	0,244	0,003	Ok
101	3	-586,7	-53691,6	813,4	43940,0	0,013	0,224	0,021	Ok
102	3	-640	-40453,3	397,5	87314,3	0,027	0,169	0,010	Ok
89	3	-640	-58183,0	50,6	11111,1	0,003	0,243	0,001	Ok
101	3	-640	-53585,0	397,5	87321,6	0,026	0,224	0,010	Ok
102	3	-693,3	-40369	97,9	108513,3	0,034	0,169	0,003	Ok
89	3	-693,3	-58061,7	12,5	13808,7	0,004	0,243	0,000	Ok
101	3	-693,3	-53473,4	97,9	108522,3	0,032	0,223	0,003	Ok

102	3	-746,7	-40281,0	103,0	113736,2	0,036	0,168	0,003	Ok
89	3	-746,7	-57935,2	13,1	14473,4	0,004	0,242	0,000	Ok
101	3	-746,7	-53356,9	103,0	113745,6	0,034	0,223	0,003	Ok
102	3	-800	-40189,5	224,5	108242,3	0,034	0,168	0,006	Ok
89	3	-800	-57803,6	28,6	13774,2	0,004	0,241	0,001	Ok
101	3	-800	-53235,6	224,5	108251,3	0,032	0,222	0,006	Ok
102	3	-853,3	-40094,6	285,0	96270,9	0,030	0,168	0,007	Ok
89	3	-853,3	-57667,0	36,3	12250,8	0,004	0,241	0,001	Ok
101	3	-853,3	-53109,9	285,0	96278,9	0,029	0,222	0,007	Ok
102	3	-906,7	-39996,3	301,3	81071,8	0,025	0,167	0,008	Ok
89	3	-906,7	-57525,7	38,3	10316,7	0,003	0,240	0,001	Ok
101	3	-906,7	-52979,7	301,3	81078,5	0,024	0,221	0,008	Ok
102	3	-960	-39895,0	287,7	65002,5	0,020	0,167	0,008	Ok
89	3	-960	-57379,9	36,6	8271,8	0,002	0,240	0,001	Ok
101	3	-960	-52845,4	287,7	65007,9	0,019	0,221	0,008	Ok
102	3	-1013,3	-39790,5	255,6	49660,9	0,016	0,166	0,007	Ok
89	3	-1013,3	-57229,7	32,5	6319,5	0,002	0,239	0,001	Ok
101	3	-1013,3	-52707,1	255,6	49665,0	0,015	0,220	0,007	Ok
102	3	-1066,7	-39683,2	214,0	36029,8	0,011	0,166	0,006	Ok
89	3	-1066,7	-57075,4	27,2	4584,9	0,001	0,238	0,001	Ok
101	3	-1066,7	-52565,0	214,0	36032,8	0,011	0,220	0,006	Ok
102	3	-1120	-39573,2	169,3	24618,0	0,008	0,165	0,004	Ok
89	3	-1120	-56917,1	21,5	3132,7	0,001	0,238	0,001	Ok
101	3	-1120	-52419,2	169,3	24620,0	0,007	0,219	0,004	Ok
102	3	-1173,3	-39460,5	126,1	15587,4	0,005	0,165	0,003	Ok
89	3	-1173,3	-56755,0	16,1	1983,6	0,001	0,237	0,000	Ok
101	3	-1173,3	-52269,9	126,1	15588,7	0,005	0,218	0,003	Ok
102	3	-1226,7	-39345,3	87,3	8860,3	0,003	0,164	0,002	Ok
89	3	-1226,7	-56589,4	11,1	1127,5	0,000	0,236	0,000	Ok
101	3	-1226,7	-52117,4	87,3	8861,0	0,003	0,218	0,002	Ok
102	3	-1280	-39227,7	54,4	4205,3	0,001	0,164	0,001	Ok
89	3	-1280	-56420,3	6,9	535,1	0,000	0,236	0,000	Ok
101	3	-1280	-51961,6	54,4	4205,7	0,001	0,217	0,001	Ok
102	3	-1333,3	-39107,9	28,4	1301,9	0,000	0,163	0,001	Ok
89	3	-1333,3	-56248,0	3,6	165,7	0,000	0,235	0,000	Ok
101	3	-1333,3	-51803,0	28,4	1302,0	0,000	0,216	0,001	Ok
102	3	-1386,7	-38986,0	9,6	214,8	0,000	0,163	0,000	Ok
89	3	-1386,7	-56072,7	1,2	27,3	0,000	0,234	0,000	Ok
101	3	-1386,7	-51641,5	9,6	214,8	0,000	0,216	0,000	Ok
102	3	-1440	-38862,2	2,2	725,1	0,000	0,162	0,000	Ok
89	3	-1440	-55894,5	0,3	92,3	0,000	0,234	0,000	Ok
101	3	-1440	-51477,4	2,2	725,2	0,000	0,215	0,000	Ok
102	3	-1493,3	-38736,4	6,8	609,9	0,000	0,162	0,000	Ok
89	3	-1493,3	-55713,6	0,9	77,6	0,000	0,233	0,000	Ok
101	3	-1493,3	-51310,8	6,8	610,0	0,000	0,214	0,000	Ok
102	3	-1546,7	-38608,9	4,6	244,6	0,000	0,161	0,000	Ok
89	3	-1546,7	-55530,3	0,6	31,1	0,000	0,232	0,000	Ok
101	3	-1546,7	-51141,9	4,6	244,6	0,000	0,214	0,000	Ok
189	3	-1600	-37834,7	1,0	0	0	0,158	0,000	Ok
89	3	-1600	-55530,3	0,6	0	0	0,232	0,000	Ok
101	3	-1600	-51141,9	4,6	0	0	0,214	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
3	102	3	-106,7	-41155,4	5655,6	2006985	0,625	0,172	0,149
3	89	3	0	-59773,1	4081,6	102039,2	0,030	0,250	0,107

3	101	3	0	-55049,5	32076,8	801921,9	0,237	0,230	0,843

S/Su massime:
Ver. N/M = 0,625 < 1 Ok
Ver. (25) = 0,250 < 1 Ok
Ver. V = 0,843 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**	**Stato**
		cm	daN	daN cm	daN/cmq	daN/cmq	
155	3	0	-42695,5	534644,2	-445,9	-35,2	Ok
155	3	-53,3	-42449,8	1234996	1102,9	-83,1	Ok
155	3	-106,7	-42281,0	1338175	1297,0	-90,6	Ok
155	3	-160	-42145,7	1137058	935,0	-76,0	Ok
155	3	-213,3	-42080,7	899113,4	-688,7	-58,7	Ok
155	3	-266,7	-42043,2	689570,7	-542,5	-44,4	Ok
155	3	-320	-41991,6	493291,2	-419,9	-32,9	Ok
155	3	-373,3	-41930,8	326122,7	-336,5	-25,5	Ok
155	3	-426,7	-41865,3	192733,6	-276,7	-20,2	Ok
155	3	-480	-41795,3	91537,2	-231,3	-16,3	Ok
150	3	-533,3	-44641,1	4202,7	-205,4	-13,7	Ok
155	3	-586,7	-41642,3	29294,9	-202,9	-13,8	Ok
150	3	-586,7	-44557,0	6470,9	-206,0	-13,8	Ok
156	3	-586,7	-42646	17990,3	-202,4	-13,7	Ok
155	3	-640	-41559,7	58217,6	-215,4	-14,9	Ok
155	3	-693,3	-41473,1	72352,2	-221,3	-15,4	Ok
155	3	-746,7	-41382,7	75834,6	-222,4	-15,5	Ok
155	3	-800	-41288,7	72171,5	-220,4	-15,4	Ok
155	3	-853,3	-41191,1	64189,5	-216,4	-15,0	Ok
155	3	-906,7	-41090,2	54055,3	-211,4	-14,6	Ok
155	3	-960	-40986,1	43341,0	-206,1	-14,1	Ok
155	3	-1013,3	-40878,8	33111,9	-201,1	-13,7	Ok
150	3	-1013,3	-43740,1	7314,1	-202,6	-13,6	Ok
156	3	-1013,3	-41864,1	20334,4	-199,9	-13,5	Ok
150	3	-1066,7	-43622,1	5306,5	-201,2	-13,5	Ok
150	3	-1120	-43501,1	3625,7	-199,9	-13,4	Ok
149	3	-1173,3	-43529,8	1321,7	-198,4	-13,2	Ok
149	3	-1226,7	-43402,7	751,3	-197,8	-13,2	Ok
149	3	-1280	-43273,0	356,6	-197,3	-13,2	Ok
149	3	-1333,3	-43140,9	110,4	-196,7	-13,1	Ok
149	3	-1386,7	-43006,4	18,2	-196,0	-13,1	Ok
149	3	-1440	-42869,8	61,5	-195,4	-13,0	Ok
149	3	-1493,3	-42731,0	51,7	-194,8	-13,0	Ok
149	3	-1546,7	-42590,4	20,7	-194,1	-12,9	Ok
149	3	-1600	-42590,4	0	-194,1	-12,9	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**
			cm	daN	daN cm	daN/cmq	daN/cmq
3	155	3	-106,7	-42281,0	1338175	1297,0	-90,6

Valori massimi SLE condizioni rare:
Ten.massima CLS = 90,6 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 1297,0 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	Palo	Quota	N	M	Wk	Stato
		cm	daN	daN cm	mm	
159	3	0	-43776,0	263949,5	0	Ok
159	3	-53,3	-43524,1	609707,6	0	Ok
159	3	-106,7	-43351,0	660646,2	0	Ok
159	3	-160	-43212,3	561356,5	0	Ok
159	3	-213,3	-43145,6	443885	0	Ok
159	3	-266,7	-43107,2	340435,5	0	Ok
159	3	-320	-43054,3	243533,8	0	Ok
159	3	-373,3	-42991,9	161004,1	0	Ok
159	3	-426,7	-42924,7	95151,0	0	Ok
159	3	-480	-42853,0	45191,2	0	Ok
158	3	-533,3	-44012,1	2221,5	0	Ok
159	3	-586,7	-42696,1	14462,7	0	Ok
158	3	-586,7	-43929,3	3420,4	0	Ok
163	3	-586,7	-43896,0	141,8	0	Ok
159	3	-640	-42611,4	28741,6	0	Ok
159	3	-693,3	-42522,6	35719,7	0	Ok
159	3	-746,7	-42430,0	37438,9	0	Ok
159	3	-800	-42333,6	35630,5	0	Ok
159	3	-853,3	-42233,6	31689,8	0	Ok
159	3	-906,7	-42130,1	26686,7	0	Ok
159	3	-960	-42023,3	21397,1	0	Ok
159	3	-1013,3	-41913,3	16347,1	0	Ok
158	3	-1066,7	-43007,5	2804,9	0	Ok
158	3	-1120	-42888,2	1916,5	0	Ok
158	3	-1173,3	-42766,1	1213,4	0	Ok
158	3	-1226,7	-42641,3	689,8	0	Ok
158	3	-1280	-42513,9	327,4	0	Ok
158	3	-1333,3	-42384,0	101,4	0	Ok
158	3	-1386,7	-42251,9	16,7	0	Ok
158	3	-1440	-42117,6	56,5	0	Ok
158	3	-1493,3	-41981,4	47,5	0	Ok
158	3	-1546,7	-41843,2	19,0	0	Ok
158	3	-1600	-41843,2	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Wk
			cm	daN	daN cm	mm
3	159	3	-106,7	-43351,0	660646,2	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	Palo	Quota	N	M	Tens. C	Wk	Stato
		cm	daN	daN cm	daN/cmq	mm	
164	3	0	-44968,7	555,0	-13,7	0	Ok
164	3	-53,3	-44710,0	1282,1	-13,6	0	Ok
164	3	-106,7	-44532,2	1389,2	-13,5	0	Ok
164	3	-160	-44389,7	1180,4	-13,5	0	Ok
164	3	-213,3	-44321,2	933,4	-13,5	0	Ok
164	3	-266,7	-44281,7	715,8	-13,5	0	Ok
164	3	-320	-44227,4	512,1	-13,4	0	Ok
164	3	-373,3	-44163,3	338,6	-13,4	0	Ok

164	3	-426,7	-44094,3	200,1	-13,4	0	Ok
164	3	-480	-44020,6	95,0	-13,4	0	Ok
164	3	-533,3	-43942,2	19,8	-13,4	0	Ok
164	3	-586,7	-43859,5	30,4	-13,3	0	Ok
164	3	-640	-43772,4	60,4	-13,3	0	Ok
164	3	-693,3	-43681,3	75,1	-13,3	0	Ok
164	3	-746,7	-43586,1	78,7	-13,2	0	Ok
164	3	-800	-43487,0	74,9	-13,2	0	Ok
164	3	-853,3	-43384,3	66,6	-13,2	0	Ok
164	3	-906,7	-43278	56,1	-13,2	0	Ok
164	3	-960	-43168,3	45,0	-13,1	0	Ok
164	3	-1013,3	-43055,3	34,4	-13,1	0	Ok
164	3	-1066,7	-42939,2	24,9	-13,0	0	Ok
164	3	-1120	-42820,1	17,0	-13,0	0	Ok
164	3	-1173,3	-42698,2	10,8	-13,0	0	Ok
164	3	-1226,7	-42573,5	6,1	-12,9	0	Ok
164	3	-1280	-42446,4	2,9	-12,9	0	Ok
164	3	-1333,3	-42316,7	0,9	-12,9	0	Ok
164	3	-1386,7	-42184,8	0,1	-12,8	0	Ok
164	3	-1440	-42050,8	0,5	-12,8	0	Ok
164	3	-1493,3	-41914,7	0,4	-12,7	0	Ok
164	3	-1546,7	-41776,8	0,2	-12,7	0	Ok
164	3	-1600	-41776,8	0	-12,7	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
3	164	3	0	-44968,7	555,0	-13,7	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 13,7 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 4

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	**Plin.**	**Tipo**	**Vx**	**Vy**	**N**	**Mx**	**My**	**T**
			daN	daN	daN	daN cm	daN cm	daN cm
1	4	SLU STR.	1,7	-11,6	-61170	289,6	42,1	-126,1
2	4	SLU STR.	1,4	-9,0	-47210	225,6	35,9	-97,4
3	4	SLU STR.	1,1	-11,1	-60510	277,2	26,6	-124,2
4	4	SLU STR.	0,8	-8,5	-46550	213,2	20,4	-95,5
5	4	SLU STR.	-1391,7	4113,9	-61560	-102800	-34790	-127,8
6	4	SLU STR.	-1391,9	4116,4	-47600	-102900	-34800	-99,1
7	4	SLU STR.	-2321,1	6864,6	-61340	-171600	-58030	-127,6
8	4	SLU STR.	-2321,3	6867,1	-47380	-171700	-58030	-98,9
9	4	SLU STR.	-1392,3	4114,4	-60900	-102900	-34810	-125,9
10	4	SLU STR.	-1392,6	4116,9	-46940	-102900	-34810	-97,2
11	4	SLU STR.	5852,6	-17400	-60270	435000	146300	-163,2
12	4	SLU STR.	5852,3	-17400	-46310	434900	146300	-134,5
13	4	SLU STR.	5851,9	-17400	-59610	435000	146300	-161,3
14	4	SLU STR.	5851,7	-17400	-45650	434900	146300	-132,6

15	4	SLU STR.	9752,5	-28990	-59020	724800	243800	-186,0
16	4	SLU STR.	9752,3	-28990	-45050	724700	243800	-157,4
17	4	SLU STR.	373,6	-8,5	-61200	211,4	9340,8	-93,6
18	4	SLU STR.	373,4	-5,9	-47240	147,4	9334,7	-64,9
19	4	SLU STR.	373,0	-8,0	-60550	199,0	9325,3	-91,7
20	4	SLU STR.	372,8	-5,4	-46580	135	9319,2	-63,0
21	4	SLU STR.	621,0	-5,9	-60570	146,8	15520	-70,0
22	4	SLU STR.	620,7	-3,3	-46610	82,9	15520	-41,4
23	4	SLU STR.	-1019,7	4117,0	-61600	-102900	-25490	-95,3
24	4	SLU STR.	-1020,0	4119,6	-47630	-103000	-25500	-66,6
25	4	SLU STR.	-1949,1	6867,7	-61380	-171700	-48730	-95,1
26	4	SLU STR.	-1949,4	6870,3	-47410	-171800	-48730	-66,4
27	4	SLU STR.	-1020,4	4117,5	-60940	-102900	-25510	-93,4
28	4	SLU STR.	-1020,6	4120,1	-46970	-103000	-25520	-64,7
29	4	SLU STR.	-772,4	4119,6	-60960	-103000	-19310	-71,7
30	4	SLU STR.	-772,6	4122,2	-47000	-103100	-19320	-43,1
31	4	SLU STR.	6224,5	-17400	-60310	434900	155600	-130,7
32	4	SLU STR.	6224,3	-17390	-46350	434900	155600	-102,0
33	4	SLU STR.	6223,9	-17400	-59650	434900	155600	-128,8
34	4	SLU STR.	6223,6	-17390	-45690	434800	155600	-100,1
35	4	SLU STR.	10120	-28990	-59050	724700	253100	-153,5
36	4	SLU STR.	10120	-28990	-45090	724700	253100	-124,9
37	4	SLU STR.	6471,9	-17390	-59670	434900	161800	-107,1
38	4	SLU STR.	6471,6	-17390	-45710	434800	161800	-78,5
39	4	SLU STR.	-400,9	-14,4	-61170	359,9	-10020	-146,4
40	4	SLU STR.	-401,2	-11,8	-47210	295,9	-10030	-117,7
41	4	SLU STR.	-401,6	-13,9	-60510	347,5	-10040	-144,5
42	4	SLU STR.	-401,8	-11,3	-46550	283,5	-10050	-115,8
43	4	SLU STR.	-670,0	-15,8	-60510	394,4	-16750	-158,0
44	4	SLU STR.	-670,2	-13,2	-46550	330,4	-16760	-129,3
45	4	SLU STR.	-1794,3	4111,1	-61560	-102800	-44860	-148,1
46	4	SLU STR.	-1794,6	4113,6	-47600	-102800	-44860	-119,4
47	4	SLU STR.	-2723,7	6861,8	-61340	-171500	-68090	-147,8
48	4	SLU STR.	-2723,9	6864,3	-47380	-171600	-68100	-119,2
49	4	SLU STR.	-1794,9	4111,6	-60900	-102800	-44870	-146,2
50	4	SLU STR.	-1795,2	4114,1	-46940	-102900	-44880	-117,5
51	4	SLU STR.	-2063,3	4109,7	-60900	-102700	-51580	-159,7
52	4	SLU STR.	-2063,6	4112,3	-46940	-102800	-51590	-131,0
53	4	SLU STR.	5449,9	-17400	-60270	435100	136200	-183,5
54	4	SLU STR.	5449,7	-17400	-46310	435000	136200	-154,8
55	4	SLU STR.	5449,3	-17400	-59610	435100	136200	-181,6
56	4	SLU STR.	5449,1	-17400	-45650	435000	136200	-152,9
57	4	SLU STR.	9349,9	-28990	-59020	724900	233700	-206,3
58	4	SLU STR.	9349,7	-28990	-45050	724800	233700	-177,7
59	4	SLU STR.	5180,9	-17400	-59610	435100	129500	-195,1
60	4	SLU STR.	5180,7	-17400	-45650	435000	129500	-166,4
61	4	SLU STR.	11,0	487,0	-60950	-12180	276,0	-109,6
62	4	SLU STR.	10,8	489,6	-46980	-12240	269,8	-81,0
63	4	SLU STR.	10,4	487,5	-60290	-12190	260,4	-107,8
64	4	SLU STR.	10,2	490,1	-46320	-12250	254,3	-79,1
65	4	SLU STR.	16,7	819,9	-60140	-20500	416,4	-96,8
66	4	SLU STR.	16,4	822,5	-46170	-20560	410,2	-68,1
67	4	SLU STR.	-1382,3	4612,5	-61340	-115300	-34560	-111,3
68	4	SLU STR.	-1382,6	4615,0	-47370	-115400	-34560	-82,7
69	4	SLU STR.	-2311,7	7363,2	-61120	-184100	-57790	-111,1
70	4	SLU STR.	-2312,0	7365,7	-47160	-184100	-57800	-82,5
71	4	SLU STR.	-1383,0	4613,0	-60680	-115300	-34570	-109,5

72	4	SLU STR.	-1383,2	4615,5	-46720	-115400	-34580	-80,8
73	4	SLU STR.	-1376,7	4945,4	-60530	-123600	-34420	-98,5
74	4	SLU STR.	-1377,0	4947,9	-46570	-123700	-34420	-69,8
75	4	SLU STR.	5861,9	-16900	-60050	422500	146500	-146,8
76	4	SLU STR.	5861,7	-16900	-46090	422500	146500	-118,1
77	4	SLU STR.	5861,3	-16900	-59390	422500	146500	-144,9
78	4	SLU STR.	5861,1	-16900	-45430	422500	146500	-116,2
79	4	SLU STR.	9761,9	-28490	-58790	712300	244000	-169,6
80	4	SLU STR.	9761,6	-28490	-44830	712300	244000	-140,9
81	4	SLU STR.	5867,5	-16570	-59240	414200	146700	-133,9
82	4	SLU STR.	5867,3	-16570	-45280	414200	146700	-105,2
83	4	SLU STR.	-10,5	-473,9	-61350	11850	-262,6	-157,5
84	4	SLU STR.	-10,8	-471,4	-47390	11780	-268,8	-128,8
85	4	SLU STR.	-11,1	-473,5	-60690	11840	-278,2	-155,6
86	4	SLU STR.	-11,4	-470,9	-46730	11770	-284,3	-127,0
87	4	SLU STR.	-19,3	-781,7	-60820	19540	-481,3	-176,6
88	4	SLU STR.	-19,5	-779,1	-46850	19480	-487,4	-147,9
89	4	SLU STR.	-1403,9	3651,5	-61750	-91290	-35100	-159,2
90	4	SLU STR.	-1404,1	3654,1	-47780	-91350	-35100	-130,5
91	4	SLU STR.	-2333,3	6402,2	-61530	-160100	-58330	-159,0
92	4	SLU STR.	-2333,5	6404,8	-47560	-160100	-58340	-130,3
93	4	SLU STR.	-1404,5	3652,0	-61090	-91300	-35110	-157,3
94	4	SLU STR.	-1404,7	3654,6	-47120	-91360	-35120	-128,7
95	4	SLU STR.	-1412,6	3343,8	-61210	-83590	-35320	-178,3
96	4	SLU STR.	-1412,9	3346,3	-47250	-83660	-35320	-149,6
97	4	SLU STR.	5840,4	-17860	-60460	446600	146000	-194,6
98	4	SLU STR.	5840,1	-17860	-46490	446500	146000	-165,9
99	4	SLU STR.	5839,8	-17860	-59800	446600	146000	-192,7
100	4	SLU STR.	5839,5	-17860	-45840	446500	146000	-164,1
101	4	SLU STR.	9740,3	-29450	-59200	736400	243500	-217,5
102	4	SLU STR.	9740,1	-29450	-45240	736300	243500	-188,8
103	4	SLU STR.	5831,6	-18170	-59920	454300	145800	-213,7
104	4	SLU STR.	5831,4	-18170	-45960	454200	145800	-185,0
105	4	SLE Rare	1,2	-8,9	-46990	221,5	30,8	-96,8
106	4	SLE Rare	0,8	-8,5	-46550	213,2	20,4	-95,5
107	4	SLE Rare	-927,7	2741,5	-47250	-68540	-23190	-97,9
108	4	SLE Rare	-1547,3	4575,2	-47100	-114400	-38680	-97,8
109	4	SLE Rare	-928,1	2741,8	-46810	-68540	-23200	-96,7
110	4	SLE Rare	3901,8	-11600	-46390	290000	97550	-121,5
111	4	SLE Rare	3901,4	-11600	-45950	290000	97540	-120,3
112	4	SLE Rare	6501,8	-19330	-45550	483200	162500	-136,8
113	4	SLE Rare	249,2	-6,8	-47010	169,3	6230,0	-75,1
114	4	SLE Rare	248,8	-6,4	-46570	161,1	6219,6	-73,9
115	4	SLE Rare	414,1	-5,1	-46590	126,3	10350	-59,4
116	4	SLE Rare	-679,7	2743,5	-47270	-68590	-16990	-76,3
117	4	SLE Rare	-1299,3	4577,3	-47130	-114400	-32480	-76,1
118	4	SLE Rare	-680,1	2743,9	-46830	-68600	-17000	-75
119	4	SLE Rare	-514,8	2745,3	-46850	-68630	-12870	-60,6
120	4	SLE Rare	4149,8	-11600	-46410	290000	103700	-99,9
121	4	SLE Rare	4149,4	-11600	-45970	290000	103700	-98,6
122	4	SLE Rare	6749,8	-19330	-45570	483200	168700	-115,1
123	4	SLE Rare	4314,7	-11600	-45990	289900	107900	-84,2
124	4	SLE Rare	-267,2	-10,7	-46990	268,4	-6679,6	-110,3
125	4	SLE Rare	-267,6	-10,4	-46550	260,1	-6689,9	-109,1
126	4	SLE Rare	-446,5	-11,7	-46550	291,4	-11160	-118,1
127	4	SLE Rare	-1196,1	2739,6	-47250	-68490	-29900	-111,5
128	4	SLE Rare	-1815,7	4573,4	-47100	-114300	-45390	-111,3

129	4	SLE Rare	-1196,5	2739,9	-46810	-68500	-29910	-110,2
130	4	SLE Rare	-1375,5	2738,7	-46810	-68470	-34390	-119,2
131	4	SLE Rare	3633,4	-11600	-46390	290100	90840	-135,1
132	4	SLE Rare	3633,0	-11600	-45950	290100	90820	-133,8
133	4	SLE Rare	6233,4	-19330	-45550	483300	155800	-150,3
134	4	SLE Rare	3454,1	-11600	-45950	290100	86350	-142,8
135	4	SLE Rare	7,5	323,5	-46840	-8088,5	186,7	-85,8
136	4	SLE Rare	7,1	323,9	-46400	-8096,8	176,4	-84,6
137	4	SLE Rare	11,2	545,5	-46300	-13640	280,3	-77,3
138	4	SLE Rare	-921,5	3073,9	-47100	-76850	-23040	-87,0
139	4	SLE Rare	-1541,0	4907,6	-46950	-122700	-38530	-86,8
140	4	SLE Rare	-921,9	3074,2	-46660	-76850	-23050	-85,7
141	4	SLE Rare	-917,7	3295,8	-46560	-82390	-22940	-78,4
142	4	SLE Rare	3908,1	-11270	-46240	281700	97700	-110,6
143	4	SLE Rare	3907,6	-11270	-45800	281700	97690	-109,3
144	4	SLE Rare	6508,0	-19000	-45400	474900	162700	-125,8
145	4	SLE Rare	3911,8	-11050	-45700	276200	97800	-102
146	4	SLE Rare	-6,9	-317,1	-47110	7927,5	-172,4	-117,7
147	4	SLE Rare	-7,3	-316,8	-46670	7919,2	-182,7	-116,5
148	4	SLE Rare	-12,7	-522,3	-46750	13060	-318,1	-130,4
149	4	SLE Rare	-935,8	2433,2	-47370	-60830	-23400	-118,9
150	4	SLE Rare	-1555,4	4267	-47220	-106700	-38880	-118,7
151	4	SLE Rare	-936,2	2433,5	-46930	-60840	-23410	-117,6
152	4	SLE Rare	-941,6	2228,1	-47010	-55700	-23540	-131,6
153	4	SLE Rare	3893,7	-11910	-46510	297700	97340	-142,5
154	4	SLE Rare	3893,3	-11910	-46070	297700	97330	-141,2
155	4	SLE Rare	6493,7	-19640	-45670	490900	162300	-157,7
156	4	SLE Rare	3887,9	-12110	-46150	302900	97200	-155,2
157	4	SLE Freq.	0,8	-8,5	-46550	213,2	20,4	-95,5
158	4	SLE Freq.	-773,4	2283,5	-46610	-57090	-19340	-96,0
159	4	SLE Freq.	3251,3	-9668,8	-46050	241700	81280	-116,2
160	4	SLE Freq.	83,5	-7,8	-46550	195,8	2086,8	-88,3
161	4	SLE Freq.	-88,7	-9,2	-46550	228,9	-2216,4	-100,0
162	4	SLE Freq.	2,9	102,3	-46500	-2556,8	72,4	-91,9
163	4	SLE Freq.	-1,9	-111,3	-46590	2781,9	-47,3	-102,5
164	4	SLE Quasi P.	0,8	-8,5	-46550	213,2	20,4	-95,5
165	4	SLU A1 sism.	9002,4	2941,8	-46420	-73540	225100	10040
166	4	SLU A1 sism.	7064,2	-1130,1	-48910	28250	176600	4739,7
167	4	SLU A1 sism.	-7062,6	1113,0	-44180	-27830	-176600	-4930,7
168	4	SLU A1 sism.	-9000,8	-2958,8	-46670	73970	-225000	-10230
169	4	SLU A1 sism.	7207,8	2682,2	-46510	-67060	180200	5133,2
170	4	SLU A1 sism.	8858,9	-870,5	-48830	21760	221500	9647,7
171	4	SLU A1 sism.	-8857,3	853,5	-44260	-21340	-221400	-9838,8
172	4	SLU A1 sism.	-7206,1	-2699,3	-46590	67480	-180200	-5324,3
173	4	SLU A1 sism.	6568,9	1106,0	-46180	-27650	164200	-4930,8
174	4	SLU A1 sism.	4630,7	-2965,8	-48680	74150	115800	-10230
175	4	SLU A1 sism.	-4629,1	2948,8	-44410	-73720	-115700	10040
176	4	SLU A1 sism.	-6567,2	-1123,0	-46910	28080	-164200	4739,8
177	4	SLU A1 sism.	4774,2	846,4	-46270	-21160	119400	-9838,9
178	4	SLU A1 sism.	6425,3	-2706,3	-48590	67660	160600	-5324,4
179	4	SLU A1 sism.	-6423,7	2689,2	-44500	-67230	-160600	5133,3
180	4	SLU A1 sism.	-4772,6	-863,5	-46820	21590	-119300	9647,8
181	4	SLU A1 sism.	5640,9	7052,2	-42720	-176300	141000	10990
182	4	SLU A1 sism.	-819,7	-6520,6	-51040	163000	-20490	-6685,7
183	4	SLU A1 sism.	821,4	6503,5	-42050	-162600	20530	6494,6
184	4	SLU A1 sism.	-5639,2	-7069,2	-50370	176700	-141000	-11180
185	4	SLU A1 sism.	4910,8	6501,4	-42650	-162500	122800	6494,6

186	4	SLU A1 sism.	-1549,8	-7071,3	-50970	176800	-38740	-11180
187	4	SLU A1 sism.	1551,4	7054,3	-42120	-176400	38790	10990
188	4	SLU A1 sism.	-4909,2	-6518,5	-50440	163000	-122700	-6685,7
189	4	SLU A1 sism.	-341,3	6187,0	-43010	-154700	-8533,5	-5373,9
190	4	SLU A1 sism.	5162,5	-5655,4	-50750	141400	129100	9674,4
191	4	SLU A1 sism.	-5160,9	5638,4	-42340	-141000	-129000	-9865,5
192	4	SLU A1 sism.	343,0	-6204,1	-50080	155100	8574,3	5182,8
193	4	SLU A1 sism.	-1071,4	5636,3	-42940	-140900	-26790	-9865,5
194	4	SLU A1 sism.	4432,4	-6206,2	-50680	155200	110800	5182,8
195	4	SLU A1 sism.	-4430,8	6189,1	-42410	-154700	-110800	-5373,9
196	4	SLU A1 sism.	1073,0	-5653,3	-50150	141300	26830	9674,5

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		cm	daN	daN	daN cm				
102	4	0	-45238,2	31020,6	775515,7	0,238	0,189	0,815	Ok
89	4	0	-61746,5	3912,1	97802,6	0,028	0,258	0,103	Ok
101	4	0	-59202,0	31023,1	775578,4	0,226	0,247	0,815	Ok
102	4	-53,3	-44976,8	2806,2	1791395	0,550	0,188	0,074	Ok
89	4	-53,3	-61389,8	353,9	225918,1	0,065	0,256	0,009	Ok
101	4	-53,3	-58860,0	2806,4	1791540	0,522	0,246	0,074	Ok
102	4	-106,7	-44797,2	5469,8	1941059	0,596	0,187	0,144	Ok
89	4	-106,7	-61144,7	689,8	244792,6	0,071	0,255	0,018	Ok
101	4	-106,7	-58625,0	5470,3	1941216	0,566	0,245	0,144	Ok
102	4	-160	-44653,3	6471,5	1649334	0,507	0,187	0,170	Ok
89	4	-160	-60948,1	816,1	208002,3	0,060	0,255	0,021	Ok
101	4	-160	-58436,6	6472,0	1649467	0,481	0,244	0,170	Ok
102	4	-213,3	-44584,1	5699,0	1304188	0,401	0,186	0,150	Ok
89	4	-213,3	-60853,8	718,7	164475	0,048	0,254	0,019	Ok
101	4	-213,3	-58346,1	5699,5	1304293	0,381	0,244	0,150	Ok
102	4	-266,7	-44544,2	5338,3	1000241	0,307	0,186	0,140	Ok
89	4	-266,7	-60799,3	673,2	126143,3	0,036	0,254	0,018	Ok
101	4	-266,7	-58293,9	5338,7	1000322	0,292	0,244	0,140	Ok
102	4	-320	-44489,4	4546,5	715532	0,220	0,186	0,119	Ok
89	4	-320	-60724,4	573,4	90237,9	0,026	0,254	0,015	Ok
101	4	-320	-58222,1	4546,9	715589,8	0,209	0,243	0,119	Ok
102	4	-373,3	-44424,6	3627,8	473049,7	0,145	0,186	0,095	Ok
89	4	-373,3	-60636,0	457,5	59657,7	0,017	0,253	0,012	Ok
101	4	-373,3	-58137,3	3628,1	473087,9	0,138	0,243	0,095	Ok
102	4	-426,7	-44354,9	2752,3	279565,2	0,086	0,185	0,072	Ok
89	4	-426,7	-60540,9	347,1	35256,8	0,010	0,253	0,009	Ok
101	4	-426,7	-58046,1	2752,5	279587,8	0,082	0,242	0,072	Ok
102	4	-480	-44280,4	1972,1	132777,2	0,041	0,185	0,052	Ok

89	4	-480	-60439,3	248,7	16744,9	0,005	0,252	0,007	Ok
101	4	-480	-57948,6	1972,3	132787,9	0,039	0,242	0,052	Ok
102	4	-533,3	-44201,3	1314,2	27598,3	0,008	0,185	0,035	Ok
89	4	-533,3	-60331,3	165,7	3480,5	0,001	0,252	0,004	Ok
101	4	-533,3	-57845,1	1314,3	27600,6	0,008	0,242	0,035	Ok
102	4	-586,7	-44117,7	786,6	42493,1	0,013	0,184	0,021	Ok
89	4	-586,7	-60217,2	99,2	5358,9	0,002	0,252	0,003	Ok
101	4	-586,7	-57735,7	786,7	42496,5	0,012	0,241	0,021	Ok
102	4	-640	-44029,8	384,4	84446,2	0,026	0,184	0,010	Ok
89	4	-640	-60097,2	48,5	10649,8	0,003	0,251	0,001	Ok
101	4	-640	-57620,7	384,5	84453	0,025	0,241	0,010	Ok
102	4	-693,3	-43937,7	94,7	104948,8	0,032	0,184	0,002	Ok
89	4	-693,3	-59971,4	11,9	13235,4	0,004	0,251	0,000	Ok
101	4	-693,3	-57500,1	94,7	104957,3	0,031	0,240	0,002	Ok
102	4	-746,7	-43841,6	99,6	110000,1	0,034	0,183	0,003	Ok
89	4	-746,7	-59840,2	12,6	13872,4	0,004	0,250	0,000	Ok
101	4	-746,7	-57374,3	99,6	110009	0,032	0,240	0,003	Ok
102	4	-800	-43741,5	217,1	104686,7	0,032	0,183	0,006	Ok
89	4	-800	-59703,7	27,4	13202,4	0,004	0,249	0,001	Ok
101	4	-800	-57243,4	217,1	104695,2	0,031	0,239	0,006	Ok
102	4	-853,3	-43637,8	275,6	93108,5	0,029	0,182	0,007	Ok
89	4	-853,3	-59562,0	34,8	11742,2	0,003	0,249	0,001	Ok
101	4	-853,3	-57107,6	275,6	93116,0	0,027	0,239	0,007	Ok
102	4	-906,7	-43530,4	291,4	78408,7	0,024	0,182	0,008	Ok
89	4	-906,7	-59415,5	36,7	9888,4	0,003	0,248	0,001	Ok
101	4	-906,7	-56967,1	291,4	78415,0	0,023	0,238	0,008	Ok
102	4	-960	-43419,6	278,2	62867,3	0,019	0,181	0,007	Ok
89	4	-960	-59264,2	35,1	7928,4	0,002	0,248	0,001	Ok
101	4	-960	-56822,1	278,2	62872,4	0,018	0,237	0,007	Ok
102	4	-1013,3	-43305,5	247,2	48029,6	0,015	0,181	0,006	Ok
89	4	-1013,3	-59108,5	31,2	6057,2	0,002	0,247	0,001	Ok
101	4	-1013,3	-56672,7	247,2	48033,5	0,014	0,237	0,006	Ok
102	4	-1066,7	-43188,2	206,9	34846,3	0,011	0,180	0,005	Ok
89	4	-1066,7	-58948,4	26,1	4394,6	0,001	0,246	0,001	Ok
101	4	-1066,7	-56519,2	207,0	34849,1	0,010	0,236	0,005	Ok
102	4	-1120	-43067,9	163,8	23809,3	0,007	0,180	0,004	Ok
89	4	-1120	-58784,2	20,7	3002,7	0,001	0,246	0,001	Ok
101	4	-1120	-56361,8	163,8	23811,3	0,007	0,235	0,004	Ok
102	4	-1173,3	-42944,7	122,0	15075,4	0,005	0,179	0,003	Ok
89	4	-1173,3	-58616,1	15,4	1901,2	0,001	0,245	0,000	Ok
101	4	-1173,3	-56200,7	122,0	15076,6	0,004	0,235	0,003	Ok
102	4	-1226,7	-42818,9	84,4	8569,3	0,003	0,179	0,002	Ok
89	4	-1226,7	-58444,3	10,6	1080,7	0,000	0,244	0,000	Ok
101	4	-1226,7	-56035,9	84,4	8569,9	0,003	0,234	0,002	Ok
102	4	-1280	-42690,4	52,7	4067,2	0,001	0,178	0,001	Ok
89	4	-1280	-58268,9	6,6	512,9	0,000	0,243	0,000	Ok
101	4	-1280	-55867,8	52,7	4067,5	0,001	0,233	0,001	Ok
102	4	-1333,3	-42559,4	27,5	1259,1	0,000	0,178	0,001	Ok
89	4	-1333,3	-58090,2	3,5	158,8	0,000	0,243	0,000	Ok
101	4	-1333,3	-55696,4	27,5	1259,2	0,000	0,233	0,001	Ok
102	4	-1386,7	-42426,2	9,3	207,7	0,000	0,177	0,000	Ok
89	4	-1386,7	-57908,4	1,2	26,2	0,000	0,242	0,000	Ok
101	4	-1386,7	-55522,1	9,3	207,8	0,000	0,232	0,000	Ok
102	4	-1440	-42290,8	2,1	701,3	0,000	0,177	0,000	Ok
89	4	-1440	-57723,6	0,3	88,4	0,000	0,241	0,000	Ok
101	4	-1440	-55344,9	2,1	701,4	0,000	0,231	0,000	Ok
102	4	-1493,3	-42153,4	6,6	589,9	0,000	0,176	0,000	Ok

89	4	-1493,3	-57536,0	0,8	74,4	0,000	0,240	0,000	Ok
101	4	-1493,3	-55165,0	6,6	589,9	0,000	0,230	0,000	Ok
102	4	-1546,7	-42014,1	4,4	236,6	0,000	0,176	0,000	Ok
89	4	-1546,7	-57345,8	0,6	29,8	0,000	0,240	0,000	Ok
101	4	-1546,7	-54982,7	4,4	236,6	0,000	0,230	0,000	Ok
183	4	-1600	-39053,3	0,9	0	0	0,163	0,000	Ok
89	4	-1600	-57345,8	0,6	0	0	0,240	0,000	Ok
101	4	-1600	-54982,7	4,4	0	0	0,230	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
4	102	4	-106,7	-44797,2	5469,8	1941059	0,596	0,187	0,144
4	89	4	0	-61746,5	3912,1	97802,6	0,028	0,258	0,103
4	101	4	0	-59202,0	31023,1	775578,4	0,226	0,247	0,815

S/Su massime:
Ver. N/M = 0,596 < 1 Ok
Ver. (25) = 0,258 < 1 Ok
Ver. V = 0,815 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**	**Stato**
		cm	daN	daN cm	daN/cmq	daN/cmq	
155	4	0	-45674,2	517080,1	-446,0	-34,8	Ok
155	4	-53,3	-45410,3	1194424	953,2	-79,6	Ok
155	4	-106,7	-45229,0	1294213	1135,9	-86,9	Ok
155	4	-160	-45083,6	1099704	-834,8	-72,8	Ok
155	4	-213,3	-45013,8	869575,7	-671,4	-56,3	Ok
155	4	-266,7	-44973,5	666917	-533,6	-43,0	Ok
155	4	-320	-44918,1	477085,6	-421,8	-32,7	Ok
155	4	-373,3	-44852,8	315408,9	-345,0	-25,9	Ok
155	4	-426,7	-44782,4	186401,9	-287,2	-20,9	Ok
155	4	-480	-44707,2	88530,1	-243,2	-17,0	Ok
155	4	-533,3	-44627,3	18401,4	-211,6	-14,3	Ok
150	4	-533,3	-46142,2	4040,6	-212,1	-14,2	Ok
156	4	-533,3	-45096,5	11319,5	-210,6	-14,1	Ok
155	4	-586,7	-44542,9	28332,5	-215,7	-14,6	Ok
155	4	-640	-44454,1	56305,0	-227,7	-15,7	Ok
155	4	-693,3	-44361,2	69975,3	-233,4	-16,2	Ok
155	4	-746,7	-44264,1	73343,3	-234,5	-16,3	Ok
155	4	-800	-44163,1	69800,5	-232,4	-16,1	Ok
155	4	-853,3	-44058,3	62080,7	-228,5	-15,8	Ok
155	4	-906,7	-43949,9	52279,5	-223,6	-15,4	Ok
155	4	-960	-43838,0	41917,2	-218,5	-15,0	Ok
155	4	-1013,3	-43722,8	32024,1	-213,6	-14,5	Ok
155	4	-1066,7	-43604,4	23234,0	-209,1	-14,2	Ok
155	4	-1120	-43483,0	15875,0	-205,3	-13,8	Ok
150	4	-1120	-44959,0	3485,9	-206,5	-13,8	Ok
156	4	-1120	-43940,1	9765,5	-204,7	-13,7	Ok
149	4	-1173,3	-44968,9	1266,9	-205,0	-13,7	Ok
149	4	-1226,7	-44837,1	720,2	-204,4	-13,6	Ok
149	4	-1280	-44702,6	341,8	-203,8	-13,6	Ok
149	4	-1333,3	-44565,5	105,8	-203,1	-13,5	Ok

149	4	-1386,7	-44426,0	17,5	-202,5	-13,5	Ok
149	4	-1440	-44284,2	58,9	-201,9	-13,5	Ok
149	4	-1493,3	-44140,3	49,6	-201,2	-13,4	Ok
149	4	-1546,7	-43994,4	19,9	-200,5	-13,4	Ok
149	4	-1600	-43994,4	0	-200,5	-13,4	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**
			cm	daN	daN cm	daN/cmq	daN/cmq
4	155	4	-106,7	-45229,0	1294213	1135,9	-86,9

Valori massimi SLE condizioni rare:
Ten.massima CLS = 86,9 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 1135,9 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Wk**	**Stato**
		cm	daN	daN cm	mm	
159	4	0	-46048,5	255021,4	0	Ok
159	4	-53,3	-45782,5	589084,2	0	Ok
159	4	-106,7	-45599,7	638299,8	0	Ok
159	4	-160	-45453,1	542368,6	0	Ok
159	4	-213,3	-45382,8	428870,6	0	Ok
159	4	-266,7	-45342,2	328920,2	0	Ok
159	4	-320	-45286,3	235296,3	0	Ok
159	4	-373,3	-45220,4	155558,2	0	Ok
159	4	-426,7	-45149,5	91932,5	0	Ok
159	4	-480	-45073,6	43662,6	0	Ok
159	4	-533,3	-44993,1	9075,5	0	Ok
159	4	-586,7	-44908,0	13973,5	0	Ok
159	4	-640	-44818,5	27769,4	0	Ok
159	4	-693,3	-44724,8	34511,5	0	Ok
159	4	-746,7	-44626,9	36172,6	0	Ok
159	4	-800	-44525,1	34425,3	0	Ok
159	4	-853,3	-44419,4	30617,9	0	Ok
159	4	-906,7	-44310,2	25784	0	Ok
159	4	-960	-44197,4	20673,4	0	Ok
159	4	-1013,3	-44081,2	15794,1	0	Ok
159	4	-1066,7	-43961,8	11458,9	0	Ok
159	4	-1120	-43839,4	7829,5	0	Ok
159	4	-1173,3	-43714,0	4957,4	0	Ok
158	4	-1173,3	-44246,9	1171,7	0	Ok
163	4	-1173,3	-44225,4	54,1	0	Ok
158	4	-1226,7	-44117,2	666,0	0	Ok
158	4	-1280	-43984,8	316,1	0	Ok
158	4	-1333,3	-43849,9	97,9	0	Ok
158	4	-1386,7	-43712,6	16,1	0	Ok
158	4	-1440	-43573,1	54,5	0	Ok
158	4	-1493,3	-43431,5	45,8	0	Ok
158	4	-1546,7	-43288,0	18,4	0	Ok
158	4	-1600	-43288,0	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
4	159	4	-106,7	-45599,7	638299,8	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	Palo	Quota	N	M	Tens. C	Wk	Stato
		cm	daN	daN cm	daN/cmq	mm	
164	4	0	-46546,1	214,2	-14,1	0	Ok
164	4	-53,3	-46277,2	494,8	-14,1	0	Ok
164	4	-106,7	-46092,4	536,1	-14,0	0	Ok
164	4	-160	-45944,3	455,6	-14,0	0	Ok
164	4	-213,3	-45873,2	360,2	-13,9	0	Ok
164	4	-266,7	-45832,1	276,3	-13,9	0	Ok
164	4	-320	-45775,7	197,6	-13,9	0	Ok
164	4	-373,3	-45709,0	130,7	-13,9	0	Ok
164	4	-426,7	-45637,3	77,2	-13,9	0	Ok
164	4	-480	-45560,7	36,7	-13,8	0	Ok
164	4	-533,3	-45479,3	7,6	-13,8	0	Ok
164	4	-586,7	-45393,3	11,7	-13,8	0	Ok
164	4	-640	-45302,8	23,3	-13,8	0	Ok
164	4	-693,3	-45208,0	29,0	-13,7	0	Ok
164	4	-746,7	-45109,1	30,4	-13,7	0	Ok
164	4	-800	-45006,2	28,9	-13,7	0	Ok
164	4	-853,3	-44899,4	25,7	-13,6	0	Ok
164	4	-906,7	-44789,0	21,7	-13,6	0	Ok
164	4	-960	-44674,9	17,4	-13,6	0	Ok
164	4	-1013,3	-44557,5	13,3	-13,5	0	Ok
164	4	-1066,7	-44436,9	9,6	-13,5	0	Ok
164	4	-1120	-44313,1	6,6	-13,5	0	Ok
164	4	-1173,3	-44186,4	4,2	-13,4	0	Ok
164	4	-1226,7	-44056,9	2,4	-13,4	0	Ok
164	4	-1280	-43924,7	1,1	-13,3	0	Ok
164	4	-1333,3	-43789,9	0,3	-13,3	0	Ok
164	4	-1386,7	-43652,9	0,1	-13,3	0	Ok
164	4	-1440	-43513,5	0,2	-13,2	0	Ok
164	4	-1493,3	-43372,1	0,2	-13,2	0	Ok
164	4	-1546,7	-43228,8	0,1	-13,1	0	Ok
164	4	-1600	-43228,8	0	-13,1	0	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. C	Wk
			cm	daN	daN cm	daN/cmq	mm
4	164	4	0	-46546,1	214,2	-14,1	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 14,1 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 5

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	Plin.	Tipo	Vx	Vy	N	Mx	My	T
			daN	daN	daN	daN cm	daN cm	daN cm

1	5	SLU STR.	72,1	-43,6	-61130	1089,8	1802,3	334,4
2	5	SLU STR.	56,3	-33,5	-47120	838,1	1406,4	261,3
3	5	SLU STR.	68,6	-43,6	-60680	1090,7	1715,7	316,9
4	5	SLU STR.	52,8	-33,6	-46670	839,0	1319,8	243,8
5	5	SLU STR.	-5191,1	4083,1	-61260	-102100	-129800	345,9
6	5	SLU STR.	-5207,0	4093,2	-47250	-102300	-130200	272,8
7	5	SLU STR.	-8702,5	6834,2	-61020	-170900	-217600	340,5
8	5	SLU STR.	-8718,4	6844,3	-47020	-171100	-218000	267,3
9	5	SLU STR.	-5194,6	4083,1	-60810	-102100	-129900	328,4
10	5	SLU STR.	-5210,4	4093,2	-46800	-102300	-130300	255,3
11	5	SLU STR.	22250	-17350	-61310	433800	556200	740,0
12	5	SLU STR.	22230	-17340	-47300	433500	555800	666,9
13	5	SLU STR.	22240	-17350	-60850	433800	556100	722,5
14	5	SLU STR.	22230	-17340	-46850	433500	555700	649,4
15	5	SLU STR.	37030	-28890	-60970	722200	925700	992,9
16	5	SLU STR.	37010	-28880	-46970	722000	925300	919,8
17	5	SLU STR.	442,9	-31,8	-61290	794,4	11070	347,0
18	5	SLU STR.	427,1	-21,7	-47290	542,7	10680	273,9
19	5	SLU STR.	439,5	-31,8	-60840	795,3	10990	329,5
20	5	SLU STR.	423,6	-21,7	-46830	543,6	10590	256,4
21	5	SLU STR.	686,7	-23,9	-60940	598,4	17170	338,0
22	5	SLU STR.	670,9	-13,9	-46940	346,7	16770	264,8
23	5	SLU STR.	-4820,3	4095,0	-61420	-102400	-120500	358,5
24	5	SLU STR.	-4836,1	4105,0	-47420	-102600	-120900	285,4
25	5	SLU STR.	-8331,7	6846,0	-61180	-171200	-208300	353,1
26	5	SLU STR.	-8347,5	6856,1	-47180	-171400	-208700	280,0
27	5	SLU STR.	-4823,8	4094,9	-60970	-102400	-120600	341,0
28	5	SLU STR.	-4839,6	4105,0	-46960	-102600	-121000	267,9
29	5	SLU STR.	-4576,5	4102,8	-61070	-102600	-114400	349,4
30	5	SLU STR.	-4592,4	4112,9	-47070	-102800	-114800	276,3
31	5	SLU STR.	22620	-17340	-61470	433500	565500	752,6
32	5	SLU STR.	22600	-17330	-47470	433200	565100	679,5
33	5	SLU STR.	22620	-17340	-61020	433500	565400	735,1
34	5	SLU STR.	22600	-17330	-47010	433200	565000	662,0
35	5	SLU STR.	37400	-28880	-61140	721900	935000	1005,5
36	5	SLU STR.	37380	-28870	-47130	721700	934600	932,4
37	5	SLU STR.	22860	-17330	-61120	433300	571600	743,5
38	5	SLU STR.	22850	-17320	-47120	433000	571200	670,4
39	5	SLU STR.	-328,7	-48,5	-60900	1212,3	-8216,9	361,1
40	5	SLU STR.	-344,5	-38,4	-46900	960,6	-8612,8	287,9
41	5	SLU STR.	-332,1	-48,5	-60450	1213,2	-8303,5	343,6
42	5	SLU STR.	-348,0	-38,5	-46450	961,5	-8699,4	270,5
43	5	SLU STR.	-599,3	-51,8	-60300	1294,9	-14980	361,4
44	5	SLU STR.	-615,2	-41,7	-46300	1043,2	-15380	288,2
45	5	SLU STR.	-5591,9	4078,2	-61030	-102000	-139800	372,6
46	5	SLU STR.	-5607,7	4088,3	-47030	-102200	-140200	299,4
47	5	SLU STR.	-9103,3	6829,3	-60790	-170700	-227600	367,1
48	5	SLU STR.	-9119,1	6839,4	-46790	-171000	-228000	294
49	5	SLU STR.	-5595,4	4078,2	-60580	-102000	-139900	355,1
50	5	SLU STR.	-5611,2	4088,3	-46580	-102200	-140300	281,9
51	5	SLU STR.	-5862,5	4074,9	-60430	-101900	-146600	372,8
52	5	SLU STR.	-5878,4	4085,0	-46430	-102100	-147000	299,7
53	5	SLU STR.	21850	-17360	-61080	433900	546200	766,7
54	5	SLU STR.	21830	-17350	-47080	433600	545800	693,5
55	5	SLU STR.	21840	-17360	-60630	433900	546100	749,2
56	5	SLU STR.	21830	-17350	-46630	433600	545700	676,0
57	5	SLU STR.	36630	-28890	-60750	722300	915700	1019,6

58	5	SLU STR.	36610	-28880	-46750	722100	915300	946,4
59	5	SLU STR.	21580	-17360	-60480	434000	539400	766,9
60	5	SLU STR.	21560	-17350	-46480	433700	539000	693,8
61	5	SLU STR.	80,8	458,1	-60830	-11450	2020,0	341,9
62	5	SLU STR.	65,0	468,1	-46830	-11700	1624,0	268,7
63	5	SLU STR.	77,3	458,0	-60380	-11450	1933,4	324,4
64	5	SLU STR.	61,5	468,1	-46370	-11700	1537,4	251,2
65	5	SLU STR.	83,1	792,5	-60180	-19810	2078,5	329,3
66	5	SLU STR.	67,3	802,5	-46170	-20060	1682,6	256,2
67	5	SLU STR.	-5182,4	4584,8	-60960	-114600	-129600	353,3
68	5	SLU STR.	-5198,3	4594,9	-46960	-114900	-130000	280,2
69	5	SLU STR.	-8693,8	7335,9	-60720	-183400	-217300	347,9
70	5	SLU STR.	-8709,7	7346,0	-46720	-183600	-217700	274,8
71	5	SLU STR.	-5185,9	4584,8	-60510	-114600	-129600	335,9
72	5	SLU STR.	-5201,7	4594,8	-46500	-114900	-130000	262,7
73	5	SLU STR.	-5180,1	4919,2	-60310	-123000	-129500	340,8
74	5	SLU STR.	-5195,9	4929,3	-46300	-123200	-129900	267,7
75	5	SLU STR.	22260	-16850	-61010	421200	556400	747,5
76	5	SLU STR.	22240	-16840	-47000	421000	556000	674,3
77	5	SLU STR.	22250	-16850	-60560	421200	556300	730,0
78	5	SLU STR.	22240	-16840	-46550	421000	555900	656,8
79	5	SLU STR.	37040	-28390	-60670	709700	925900	1000,4
80	5	SLU STR.	37020	-28380	-46670	709400	925600	927,2
81	5	SLU STR.	22260	-16510	-60360	412900	556500	734,9
82	5	SLU STR.	22240	-16500	-46350	412600	556100	661,8
83	5	SLU STR.	59,8	-516,6	-61380	12920	1494,8	304,7
84	5	SLU STR.	44,0	-506,6	-47380	12660	1098,9	231,6
85	5	SLU STR.	56,3	-516,7	-60930	12920	1408,2	287,2
86	5	SLU STR.	40,5	-506,6	-46930	12670	1012,3	214,1
87	5	SLU STR.	48,1	-832,0	-61100	20800	1203,2	267,4
88	5	SLU STR.	32,3	-822,0	-47100	20550	807,3	194,3
89	5	SLU STR.	-5203,4	3610,1	-61510	-90250	-130100	316,2
90	5	SLU STR.	-5219,3	3620,2	-47510	-90500	-130500	243,0
91	5	SLU STR.	-8714,8	6361,2	-61280	-159000	-217900	310,8
92	5	SLU STR.	-8730,7	6371,2	-47270	-159300	-218300	237,6
93	5	SLU STR.	-5206,9	3610,0	-61060	-90250	-130200	298,7
94	5	SLU STR.	-5222,7	3620,1	-47060	-90500	-130600	225,6
95	5	SLU STR.	-5215,1	3294,7	-61230	-82370	-130400	278,9
96	5	SLU STR.	-5230,9	3304,8	-47230	-82620	-130800	205,7
97	5	SLU STR.	22240	-17820	-61560	445600	555900	710,3
98	5	SLU STR.	22220	-17810	-47560	445300	555500	637,2
99	5	SLU STR.	22230	-17820	-61110	445600	555800	692,8
100	5	SLU STR.	22220	-17810	-47110	445300	555400	619,7
101	5	SLU STR.	37020	-29360	-61230	734000	925400	963,2
102	5	SLU STR.	37000	-29350	-47230	733800	925000	890,1
103	5	SLU STR.	22220	-18140	-61280	453500	555600	673,0
104	5	SLU STR.	22210	-18130	-47280	453200	555200	599,9
105	5	SLE Rare	55,1	-33,5	-46970	838,4	1377,5	255,4
106	5	SLE Rare	52,8	-33,6	-46670	839,0	1319,8	243,8
107	5	SLE Rare	-3453,7	2717,6	-47060	-67940	-86340	263,1
108	5	SLE Rare	-5794,7	4551,7	-46900	-113800	-144900	259,5
109	5	SLE Rare	-3456,0	2717,6	-46760	-67940	-86400	251,4
110	5	SLE Rare	14840	-11570	-47090	289300	371000	525,8
111	5	SLE Rare	14840	-11570	-46790	289300	370900	514,2
112	5	SLE Rare	24690	-19260	-46870	481600	617300	694,4
113	5	SLE Rare	302,3	-25,7	-47080	641,5	7558,1	263,9
114	5	SLE Rare	300,0	-25,7	-46780	642,1	7500,3	252,2

115	5	SLE Rare	464,8	-20,4	-46850	510,8	11620	257,8
116	5	SLE Rare	-3206,5	2725,5	-47170	-68140	-80160	271,5
117	5	SLE Rare	-5547,4	4559,6	-47010	-114000	-138700	267,9
118	5	SLE Rare	-3208,8	2725,5	-46870	-68140	-80220	259,9
119	5	SLE Rare	-3044,0	2730,7	-46940	-68270	-76100	265,5
120	5	SLE Rare	15090	-11560	-47200	289100	377200	534,3
121	5	SLE Rare	15080	-11560	-46900	289100	377100	522,6
122	5	SLE Rare	24940	-19260	-46980	481400	623500	702,9
123	5	SLE Rare	15250	-11560	-46970	289000	381200	528,2
124	5	SLE Rare	-212,1	-36,8	-46830	920,1	-5301,9	273,2
125	5	SLE Rare	-214,4	-36,8	-46520	920,7	-5359,7	261,6
126	5	SLE Rare	-392,5	-39,0	-46420	975,1	-9812,6	273,4
127	5	SLE Rare	-3720,9	2714,3	-46910	-67860	-93020	280,9
128	5	SLE Rare	-6061,8	4548,4	-46750	-113700	-151500	277,3
129	5	SLE Rare	-3723,2	2714,3	-46610	-67860	-93080	269,2
130	5	SLE Rare	-3901,3	2712,1	-46510	-67800	-97530	281,1
131	5	SLE Rare	14570	-11570	-46940	289400	364300	543,6
132	5	SLE Rare	14570	-11570	-46640	289400	364200	532,0
133	5	SLE Rare	24430	-19270	-46720	481700	610600	712,2
134	5	SLE Rare	14390	-11580	-46540	289400	359800	543,8
135	5	SLE Rare	60,9	300,9	-46770	-7522,7	1522,6	260,4
136	5	SLE Rare	58,6	300,9	-46470	-7522,0	1464,9	248,8
137	5	SLE Rare	62,5	523,8	-46340	-13100	1561,6	252,1
138	5	SLE Rare	-3447,9	3052,1	-46860	-76300	-86200	268,1
139	5	SLE Rare	-5788,9	4886,1	-46700	-122200	-144700	264,5
140	5	SLE Rare	-3450,2	3052,0	-46560	-76300	-86260	256,4
141	5	SLE Rare	-3446,4	3275,0	-46430	-81870	-86160	259,7
142	5	SLE Rare	14850	-11240	-46890	280900	371100	530,8
143	5	SLE Rare	14840	-11240	-46590	280900	371100	519,1
144	5	SLE Rare	24700	-18930	-46670	473200	617500	699,4
145	5	SLE Rare	14850	-11010	-46460	275400	371200	522,5
146	5	SLE Rare	46,9	-348,9	-47150	8722,5	1172,5	235,6
147	5	SLE Rare	44,6	-348,9	-46840	8723,1	1114,8	224,0
148	5	SLE Rare	39,1	-559,2	-46960	13980	978,1	210,8
149	5	SLE Rare	-3461,9	2402,3	-47230	-60060	-86550	243,3
150	5	SLE Rare	-5802,9	4236,3	-47070	-105900	-145100	239,7
151	5	SLE Rare	-3464,2	2402,2	-46930	-60060	-86610	231,6
152	5	SLE Rare	-3469,7	2192,0	-47050	-54800	-86740	218,4
153	5	SLE Rare	14830	-11890	-47270	297200	370800	506,0
154	5	SLE Rare	14830	-11890	-46960	297200	370700	494,4
155	5	SLE Rare	24680	-19580	-47040	489500	617100	674,6
156	5	SLE Rare	14820	-12100	-47080	302400	370600	481,2
157	5	SLE Freq.	52,8	-33,6	-46670	839,0	1319,8	243,8
158	5	SLE Freq.	-2872,0	2259,1	-46640	-56480	-71800	246,3
159	5	SLE Freq.	12370	-9648,5	-46770	241200	309300	469,1
160	5	SLE Freq.	135,2	-30,9	-46710	773,4	3379,9	246,6
161	5	SLE Freq.	-36,3	-34,7	-46620	866,3	-906,7	249,7
162	5	SLE Freq.	54,7	77,9	-46610	-1948,0	1368,1	245,4
163	5	SLE Freq.	50,1	-138,7	-46730	3467,1	1251,4	237,2
164	5	SLE Quasi P.	52,8	-33,6	-46670	839,0	1319,8	243,8
165	5	SLU A1 sism.	9029,2	6086,5	-49600	-152200	225700	10200
166	5	SLU A1 sism.	7099,3	631,0	-52740	-15770	177500	4998,6
167	5	SLU A1 sism.	-6993,7	-698,1	-40600	17450	-174800	-4511,1
168	5	SLU A1 sism.	-8923,7	-6153,6	-43750	153800	-223100	-9715,8
169	5	SLU A1 sism.	7241,2	4981,7	-49910	-124500	181000	5363,2
170	5	SLU A1 sism.	8887,3	1735,8	-52440	-43400	222200	9838,8
171	5	SLU A1 sism.	-8781,7	-1802,9	-40910	45070	-219500	-9351,2

172	5	SLU A1 sism.	-7135,7	-5048,8	-43440	126200	-178400	-4875,6
173	5	SLU A1 sism.	6595,1	-728,4	-48960	18210	164900	-4647,7
174	5	SLU A1 sism.	4665,2	-6183,9	-52100	154600	116600	-9852,4
175	5	SLU A1 sism.	-4559,6	6116,7	-41240	-152900	-114000	10340
176	5	SLU A1 sism.	-6489,6	661,3	-44390	-16530	-162200	5135,3
177	5	SLU A1 sism.	4807,1	-1833,2	-49270	45830	120200	-9487,9
178	5	SLU A1 sism.	6453,2	-5079,1	-51800	127000	161300	-5012,3
179	5	SLU A1 sism.	-6347,6	5011,9	-41550	-125300	-158700	5499,9
180	5	SLU A1 sism.	-4701,6	1766,1	-44080	-44150	-117500	9975,4
181	5	SLU A1 sism.	5672,9	10080	-42780	-251900	141800	11130
182	5	SLU A1 sism.	-760,4	-8108,3	-53260	202700	-19010	-6223,6
183	5	SLU A1 sism.	866,0	8041,2	-40080	-201000	21650	6711,1
184	5	SLU A1 sism.	-5567,3	-10140	-50560	253600	-139200	-10640
185	5	SLU A1 sism.	4942,6	8032,1	-42590	-200800	123600	6670,1
186	5	SLU A1 sism.	-1490,6	-10150	-53070	253800	-37270	-10680
187	5	SLU A1 sism.	1596,2	10090	-40280	-252100	39910	11170
188	5	SLU A1 sism.	-4837,1	-8099,3	-50760	202500	-120900	-6182,6
189	5	SLU A1 sism.	-287,2	6393,9	-43810	-159800	-7179,5	-5008,3
190	5	SLU A1 sism.	5199,6	-4425,7	-52240	110600	130000	9910,2
191	5	SLU A1 sism.	-5094,1	4358,5	-41110	-109000	-127400	-9422,6
192	5	SLU A1 sism.	392,8	-6461,0	-49540	161500	9819,0	5495,9
193	5	SLU A1 sism.	-1017,4	4349,5	-43620	-108700	-25440	-9463,6
194	5	SLU A1 sism.	4469,4	-6470,1	-52050	161800	111700	5454,9
195	5	SLU A1 sism.	-4363,8	6403,0	-41300	-160100	-109100	-4967,3
196	5	SLU A1 sism.	1123,0	-4416,6	-49730	110400	28070	9951,2

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 5, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**	**Stato**
		cm	daN	daN	daN cm				
36	5	0	-47133,4	47231,8	1180798	0,359	0,197	0,728	Ok
97	5	0	-61563,2	28497,7	712444,3	0,206	0,257	0,429	Ok
36	5	-53,3	-46861,1	4272,7	2727573	0,831	0,196	0,066	Ok
97	5	-53,3	-61207,6	2578,0	1645704	0,476	0,256	0,039	Ok
36	5	-106,7	-46674,0	8328,4	2955450	0,901	0,195	0,128	Ok
97	5	-106,7	-60963,2	5025,0	1783196	0,516	0,255	0,076	Ok
36	5	-160	-46524,0	9853,5	2511271	0,766	0,194	0,152	Ok
97	5	-160	-60767,2	5945,2	1515196	0,438	0,254	0,090	Ok
36	5	-213,3	-46451,9	8677,3	1985753	0,606	0,194	0,134	Ok
97	5	-213,3	-60673,1	5235,5	1198121	0,347	0,253	0,079	Ok
36	5	-266,7	-46410,4	8128,1	1522964	0,465	0,194	0,125	Ok
97	5	-266,7	-60618,8	4904,1	918892,8	0,266	0,253	0,074	Ok
36	5	-320	-46353,2	6922,6	1089467	0,333	0,194	0,107	Ok
97	5	-320	-60544,2	4176,8	657338,9	0,190	0,253	0,063	Ok

36	5	-373,3	-46285,7	5523,7	720264,1	0,220	0,193	0,085	Ok
97	5	-373,3	-60456,1	3332,8	434577,4	0,126	0,253	0,050	Ok
36	5	-426,7	-46213,1	4190,6	425665,2	0,130	0,193	0,065	Ok
97	5	-426,7	-60361,2	2528,4	256828,7	0,074	0,252	0,038	Ok
36	5	-480	-46135,5	3002,7	202166,2	0,062	0,193	0,046	Ok
97	5	-480	-60259,9	1811,7	121978,6	0,035	0,252	0,027	Ok
36	5	-533,3	-46053,1	2001,0	42021,2	0,013	0,192	0,031	Ok
97	5	-533,3	-60152,2	1207,3	25353,8	0,007	0,251	0,018	Ok
36	5	-586,7	-45966	1197,7	64699,8	0,020	0,192	0,018	Ok
97	5	-586,7	-60038,4	722,6	39037,2	0,011	0,251	0,011	Ok
36	5	-640	-45874,4	585,3	128577,5	0,039	0,192	0,009	Ok
97	5	-640	-59918,8	353,2	77578,3	0,023	0,250	0,005	Ok
36	5	-693,3	-45778,4	144,2	159794,8	0,049	0,191	0,002	Ok
97	5	-693,3	-59793,4	87,0	96413,5	0,028	0,250	0,001	Ok
36	5	-746,7	-45678,3	151,7	167485,9	0,051	0,191	0,002	Ok
97	5	-746,7	-59662,6	91,5	101054	0,029	0,249	0,001	Ok
36	5	-800	-45574,0	330,5	159395,7	0,049	0,190	0,005	Ok
97	5	-800	-59526,5	199,4	96172,7	0,028	0,249	0,003	Ok
36	5	-853,3	-45465,9	419,7	141766,8	0,043	0,190	0,006	Ok
97	5	-853,3	-59385,3	253,2	85536,2	0,025	0,248	0,004	Ok
36	5	-906,7	-45354,1	443,7	119384,8	0,037	0,189	0,007	Ok
97	5	-906,7	-59239,1	267,7	72031,8	0,021	0,247	0,004	Ok
36	5	-960	-45238,6	423,6	95721,6	0,029	0,189	0,007	Ok
97	5	-960	-59088,3	255,6	57754,4	0,017	0,247	0,004	Ok
36	5	-1013,3	-45119,7	376,4	73129,8	0,022	0,188	0,006	Ok
97	5	-1013,3	-58933,0	227,1	44123,5	0,013	0,246	0,003	Ok
36	5	-1066,7	-44997,5	315,1	53056,8	0,016	0,188	0,005	Ok
97	5	-1066,7	-58773,4	190,1	32012,3	0,009	0,246	0,003	Ok
36	5	-1120	-44872,2	249,3	36252,0	0,011	0,187	0,004	Ok
97	5	-1120	-58609,7	150,4	21873,0	0,006	0,245	0,002	Ok
36	5	-1173,3	-44743,9	185,7	22953,7	0,007	0,187	0,003	Ok
97	5	-1173,3	-58442,1	112,1	13849,3	0,004	0,244	0,002	Ok
36	5	-1226,7	-44612,7	128,5	13047,5	0,004	0,186	0,002	Ok
97	5	-1226,7	-58270,8	77,5	7872,3	0,002	0,243	0,001	Ok
36	5	-1280	-44478,9	80,2	6192,7	0,002	0,186	0,001	Ok
97	5	-1280	-58096,0	48,4	3736,4	0,001	0,243	0,001	Ok
36	5	-1333,3	-44342,4	41,9	1917,2	0,001	0,185	0,001	Ok
97	5	-1333,3	-57917,8	25,3	1156,7	0,000	0,242	0,000	Ok
36	5	-1386,7	-44203,6	14,1	316,3	0,000	0,185	0,000	Ok
97	5	-1386,7	-57736,5	8,5	190,8	0,000	0,241	0,000	Ok
36	5	-1440	-44062,5	3,2	1067,8	0,000	0,184	0,000	Ok
97	5	-1440	-57552,2	1,9	644,3	0,000	0,240	0,000	Ok
36	5	-1493,3	-43919,4	10,1	898,1	0,000	0,183	0,000	Ok
97	5	-1493,3	-57365,2	6,1	541,9	0,000	0,240	0,000	Ok
36	5	-1546,7	-43774,2	6,8	360,2	0,000	0,183	0,000	Ok
97	5	-1546,7	-57175,6	4,1	217,3	0,000	0,239	0,000	Ok
183	5	-1600	-37227,6	1,2	0	0	0,156	0,000	Ok
97	5	-1600	-57175,6	4,1	0	0	0,239	0,000	Ok
36	5	-1600	-43774,2	6,8	0	0	0,183	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
5	36	5	-106,7	-46674,0	8328,4	2955450	0,901	0,195	0,128
5	97	5	0	-61563,2	28497,7	712444,3	0,206	0,257	0,429

S/Su massime:
Ver. N/M = 0,901 < 1 Ok

Ver. (25) = 0,257 < 1 Ok
Ver. V = 0,728 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	Palo	Quota	N	M	Tens. A	Tens. C	Stato
		cm	daN	daN cm	daN/cmq	daN/cmq	
122	5	0	-46980,1	787717,7	-617,8	-50,7	Ok
155	5	0	-47043,9	787669,1	-617,9	-50,7	Ok
156	5	0	-47078,5	478324,6	-430,9	-33,3	Ok
122	5	-53,3	-46708,7	1819581	2078,2	-125,0	Ok
122	5	-106,7	-46522,2	1971600	2377,0	-136,1	Ok
122	5	-160	-46372,7	1675284	1812,7	-114,6	Ok
122	5	-213,3	-46300,9	1324708	1162,5	-89,0	Ok
122	5	-266,7	-46259,4	1015979	-776,6	-66,5	Ok
155	5	-266,7	-46322,3	1015916	-776,7	-66,5	Ok
122	5	-320	-46202,5	726790,2	-575,4	-46,8	Ok
155	5	-320	-46265,2	726745,4	-575,5	-46,8	Ok
156	5	-320	-46299,2	441327,7	-409,2	-31,5	Ok
155	5	-373,3	-46197,9	480463,1	-428,5	-33,2	Ok
155	5	-426,7	-46125,4	283946,4	-336,8	-25,1	Ok
155	5	-480	-46048,0	134858	-270,0	-19,3	Ok
155	5	-533,3	-45965,7	28030,9	-222,0	-15,1	Ok
155	5	-586,7	-45878,8	43159	-228,4	-15,6	Ok
155	5	-640	-45787,3	85769,6	-246,9	-17,3	Ok
155	5	-693,3	-45691,5	106593,5	-255,8	-18,0	Ok
155	5	-746,7	-45591,6	111724	-257,6	-18,2	Ok
155	5	-800	-45487,5	106327,3	-254,7	-18,0	Ok
155	5	-853,3	-45379,6	94567,7	-249,0	-17,5	Ok
155	5	-906,7	-45268,0	79637,5	-241,8	-16,9	Ok
155	5	-960	-45152,7	63852,5	-234,3	-16,2	Ok
155	5	-1013,3	-45034,1	48782,3	-227,0	-15,6	Ok
155	5	-1066,7	-44912,1	35392,4	-220,5	-15,0	Ok
155	5	-1120	-44787,0	24182,5	-214,9	-14,6	Ok
155	5	-1173,3	-44658,9	15311,6	-210,4	-14,2	Ok
155	5	-1226,7	-44528,0	8703,6	-206,9	-13,9	Ok
155	5	-1280	-44394,4	4130,9	-204,2	-13,7	Ok
153	5	-1333,3	-44466,5	771,5	-202,7	-13,5	Ok
153	5	-1386,7	-44327,3	127,3	-202,1	-13,5	Ok
153	5	-1440	-44185,8	429,7	-201,4	-13,4	Ok
153	5	-1493,3	-44042,3	361,4	-200,8	-13,4	Ok
153	5	-1546,7	-43896,7	145,0	-200,1	-13,3	Ok
153	5	-1600	-43896,7	0	-200,1	-13,3	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. A	Tens. C
			cm	daN	daN cm	daN/cmq	daN/cmq
5	122	5	-106,7	-46522,2	1971600	2377,0	-136,1

Valori massimi SLE condizioni rare:
Ten.massima CLS = 136,1 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 2377,0 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	Palo	Quota	N	M	Wk	Stato

		cm	daN	daN cm	mm	
159	5	0	-46773,1	392256,2	0	Ok
159	5	-53,3	-46502,8	906088,5	0,014	Ok
159	5	-106,7	-46317,2	981788,5	0,029	Ok
159	5	-160	-46168,3	834233,8	0	Ok
159	5	-213,3	-46096,8	659658,9	0	Ok
159	5	-266,7	-46055,6	505922,3	0	Ok
159	5	-320	-45998,8	361916,4	0	Ok
159	5	-373,3	-45931,9	239268,8	0	Ok
159	5	-426,7	-45859,8	141404,2	0	Ok
159	5	-480	-45782,8	67158,8	0	Ok
159	5	-533,3	-45701,0	13959,3	0	Ok
159	5	-586,7	-45614,6	21493,0	0	Ok
159	5	-640	-45523,7	42712,9	0	Ok
159	5	-693,3	-45428,5	53083,2	0	Ok
159	5	-746,7	-45329,1	55638,1	0	Ok
159	5	-800	-45225,6	52950,6	0	Ok
159	5	-853,3	-45118,3	47094,3	0	Ok
159	5	-906,7	-45007,3	39659,2	0	Ok
159	5	-960	-44892,8	31798,3	0	Ok
159	5	-1013,3	-44774,8	24293,4	0	Ok
159	5	-1066,7	-44653,5	17625,3	0	Ok
159	5	-1120	-44529,1	12042,8	0	Ok
159	5	-1173,3	-44401,8	7625,1	0	Ok
159	5	-1226,7	-44271,6	4334,3	0	Ok
159	5	-1280	-44138,8	2057,2	0	Ok
159	5	-1333,3	-44003,4	636,9	0	Ok
159	5	-1386,7	-43865,7	105,1	0	Ok
159	5	-1440	-43725,7	354,7	0	Ok
159	5	-1493,3	-43583,6	298,4	0	Ok
159	5	-1546,7	-43439,5	119,7	0	Ok
159	5	-1600	-43439,5	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
5	159	5	-106,7	-46317,2	981788,5	0,029

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0,029 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	5	0	-46673,5	1563,9	-14,2	0	Ok
164	5	-53,3	-46403,9	3612,5	-14,2	0	Ok
164	5	-106,7	-46218,6	3914,3	-14,2	0	Ok
164	5	-160	-46070,0	3326,0	-14,1	0	Ok
164	5	-213,3	-45998,7	2630,0	-14,0	0	Ok
164	5	-266,7	-45957,5	2017,0	-14,0	0	Ok
164	5	-320	-45900,9	1442,9	-13,9	0	Ok
164	5	-373,3	-45834,1	953,9	-13,9	0	Ok
164	5	-426,7	-45762,2	563,8	-13,9	0	Ok
164	5	-480	-45685,4	267,8	-13,9	0	Ok
164	5	-533,3	-45603,7	55,7	-13,9	0	Ok
164	5	-586,7	-45517,5	85,7	-13,8	0	Ok
164	5	-640	-45426,8	170,3	-13,8	0	Ok

164	5	-693,3	-45331,8	211,6	-13,8	0	Ok
164	5	-746,7	-45232,6	221,8	-13,7	0	Ok
164	5	-800	-45129,4	211,1	-13,7	0	Ok
164	5	-853,3	-45022,3	187,8	-13,7	0	Ok
164	5	-906,7	-44911,5	158,1	-13,6	0	Ok
164	5	-960	-44797,2	126,8	-13,6	0	Ok
164	5	-1013,3	-44679,5	96,9	-13,6	0	Ok
164	5	-1066,7	-44558,5	70,3	-13,5	0	Ok
164	5	-1120	-44434,4	48,0	-13,5	0	Ok
164	5	-1173,3	-44307,3	30,4	-13,5	0	Ok
164	5	-1226,7	-44177,4	17,3	-13,4	0	Ok
164	5	-1280	-44044,9	8,2	-13,4	0	Ok
164	5	-1333,3	-43909,8	2,5	-13,3	0	Ok
164	5	-1386,7	-43772,3	0,4	-13,3	0	Ok
164	5	-1440	-43632,6	1,4	-13,3	0	Ok
164	5	-1493,3	-43490,8	1,2	-13,2	0	Ok
164	5	-1546,7	-43347,1	0,5	-13,2	0	Ok
164	5	-1600	-43347,1	0	-13,2	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
5	164	5	-53,3	-46403,9	3612,5	-14,2	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 14,2 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 6

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	**Plin.**	**Tipo**	**Vx**	**Vy**	**N**	**Mx**	**My**	**T**
			daN	daN	daN	daN cm	daN cm	daN cm
1	6	SLU STR.	-42,8	3,0	-57630	-76,0	-1069,8	-13,0
2	6	SLU STR.	-33,3	2,4	-44490	-59,3	-833,0	-10,2
3	6	SLU STR.	-41,1	2,9	-56910	-72,1	-1026,2	-12,4
4	6	SLU STR.	-31,6	2,2	-43780	-55,5	-789,4	-9,5
5	6	SLU STR.	5093,3	-5,5	-58030	138,4	127300	-14,7
6	6	SLU STR.	5102,8	-6,2	-44890	155,0	127600	-11,9
7	6	SLU STR.	8518,6	-11,4	-57770	284,2	213000	-15,4
8	6	SLU STR.	8528,1	-12,0	-44640	300,8	213200	-12,5
9	6	SLU STR.	5095,0	-5,7	-57310	142,3	127400	-14,1
10	6	SLU STR.	5104,5	-6,4	-44180	158,9	127600	-11,2
11	6	SLU STR.	-21430	110,5	-65540	-2761,8	-535700	-364,6
12	6	SLU STR.	-21420	109,8	-52410	-2745,1	-535400	-361,7
13	6	SLU STR.	-21430	110,3	-64830	-2757,9	-535600	-363,9
14	6	SLU STR.	-21420	109,7	-51690	-2741,3	-535400	-361,1
15	6	SLU STR.	-35680	181,9	-70100	-4548,5	-892100	-598,3
16	6	SLU STR.	-35670	181,3	-56970	-4531,8	-891800	-595,5
17	6	SLU STR.	320,4	-8,0	-57440	199,5	8010,4	16,4
18	6	SLU STR.	329,9	-8,6	-44310	216,1	8247,2	19,3
19	6	SLU STR.	322,2	-8,1	-56730	203,3	8054,0	17,0

20	6	SLU STR.	331,6	-8,8	-43600	219,9	8290,9	19,9
21	6	SLU STR.	564,3	-15,5	-56610	386,9	14110	36,6
22	6	SLU STR.	573,8	-16,1	-43470	403,5	14340	39,5
23	6	SLU STR.	5456,5	-16,6	-57840	413,8	136400	14,7
24	6	SLU STR.	5466,0	-17,2	-44710	430,4	136600	17,5
25	6	SLU STR.	8881,9	-22,4	-57590	559,6	222000	14,0
26	6	SLU STR.	8891,3	-23,1	-44450	576,2	222300	16,9
27	6	SLU STR.	5458,3	-16,7	-57130	417,7	136500	15,3
28	6	SLU STR.	5467,7	-17,4	-44000	434,3	136700	18,2
29	6	SLU STR.	5700,4	-24,1	-57010	601,3	142500	34,9
30	6	SLU STR.	5709,9	-24,7	-43870	617,9	142700	37,8
31	6	SLU STR.	-21060	99,5	-65360	-2486,4	-526600	-335,2
32	6	SLU STR.	-21050	98,8	-52220	-2469,7	-526400	-332,3
33	6	SLU STR.	-21060	99,3	-64640	-2482,5	-526600	-334,5
34	6	SLU STR.	-21050	98,6	-51510	-2465,9	-526300	-331,7
35	6	SLU STR.	-35320	170,9	-69920	-4273,1	-883000	-568,9
36	6	SLU STR.	-35310	170,3	-56780	-4256,4	-882700	-566,1
37	6	SLU STR.	-20820	92,0	-64520	-2298,9	-520500	-314,9
38	6	SLU STR.	-20810	91,3	-51390	-2282,3	-520300	-312,1
39	6	SLU STR.	-439,0	8,1	-57760	-203,5	-10970	-27,2
40	6	SLU STR.	-429,5	7,5	-44620	-186,8	-10740	-24,3
41	6	SLU STR.	-437,2	8,0	-57040	-199,6	-10930	-26,5
42	6	SLU STR.	-427,7	7,3	-43910	-183,0	-10690	-23,7
43	6	SLU STR.	-701,3	11,4	-57130	-284,6	-17530	-36,0
44	6	SLU STR.	-691,8	10,7	-43990	-268,0	-17300	-33,1
45	6	SLU STR.	4697,1	-0,4	-58160	10,9	117400	-28,9
46	6	SLU STR.	4706,6	-1,1	-45020	27,5	117700	-26,0
47	6	SLU STR.	8122,5	-6,3	-57900	156,7	203100	-29,6
48	6	SLU STR.	8132,0	-6,9	-44770	173,3	203300	-26,7
49	6	SLU STR.	4698,9	-0,6	-57440	14,8	117500	-28,3
50	6	SLU STR.	4708,4	-1,3	-44310	31,4	117700	-25,4
51	6	SLU STR.	4434,8	2,8	-57530	-70,2	110900	-37,7
52	6	SLU STR.	4444,2	2,1	-44400	-53,6	111100	-34,8
53	6	SLU STR.	-21820	115,6	-65670	-2889,3	-545600	-378,8
54	6	SLU STR.	-21810	114,9	-52540	-2872,6	-545400	-375,9
55	6	SLU STR.	-21820	115,4	-64960	-2885,4	-545500	-378,1
56	6	SLU STR.	-21810	114,8	-51820	-2868,8	-545300	-375,3
57	6	SLU STR.	-36080	187,0	-70230	-4676,0	-902000	-612,5
58	6	SLU STR.	-36070	186,4	-57100	-4659,3	-901700	-609,6
59	6	SLU STR.	-22090	118,8	-65040	-2970,4	-552100	-387,6
60	6	SLU STR.	-22080	118,2	-51910	-2953,8	-551900	-384,7
61	6	SLU STR.	-44,3	480,8	-57650	-12020	-1107,7	4
62	6	SLU STR.	-34,8	480,2	-44520	-12000	-870,9	6,9
63	6	SLU STR.	-42,6	480,7	-56940	-12020	-1064,1	4,6
64	6	SLU STR.	-33,1	480,0	-43800	-12000	-827,3	7,5
65	6	SLU STR.	-43,6	799,2	-56950	-19980	-1089,4	16,0
66	6	SLU STR.	-34,1	798,6	-43820	-19960	-852,6	18,8
67	6	SLU STR.	5091,8	472,3	-58050	-11810	127300	2,3
68	6	SLU STR.	5101,3	471,6	-44920	-11790	127500	5,1
69	6	SLU STR.	8517,1	466,4	-57790	-11660	212900	1,6
70	6	SLU STR.	8526,6	465,8	-44660	-11640	213200	4,5
71	6	SLU STR.	5093,5	472,1	-57340	-11800	127300	2,9
72	6	SLU STR.	5103,0	471,5	-44200	-11790	127600	5,8
73	6	SLU STR.	5092,5	790,6	-57350	-19770	127300	14,3
74	6	SLU STR.	5102,0	790,0	-44220	-19750	127500	17,1
75	6	SLU STR.	-21430	588,3	-65560	-14710	-535700	-347,6
76	6	SLU STR.	-21420	587,6	-52430	-14690	-535500	-344,7

77	6	SLU STR.	-21430	588,1	-64850	-14700	-535700	-346,9
78	6	SLU STR.	-21420	587,5	-51720	-14690	-535400	-344,1
79	6	SLU STR.	-35680	659,7	-70120	-16490	-892100	-581,3
80	6	SLU STR.	-35670	659,1	-56990	-16480	-891900	-578,5
81	6	SLU STR.	-21430	906,7	-64860	-22670	-535700	-335,6
82	6	SLU STR.	-21420	906,0	-51730	-22650	-535500	-332,7
83	6	SLU STR.	-43,1	-439,6	-57630	10990	-1077,0	-35,4
84	6	SLU STR.	-33,6	-440,3	-44500	11010	-840,1	-32,6
85	6	SLU STR.	-41,3	-439,8	-56920	10990	-1033,3	-34,8
86	6	SLU STR.	-31,9	-440,5	-43790	11010	-796,5	-31,9
87	6	SLU STR.	-41,5	-734,9	-56920	18370	-1038,1	-49,7
88	6	SLU STR.	-32,1	-735,6	-43790	18390	-801,3	-46,8
89	6	SLU STR.	5093,0	-448,2	-58030	11210	127300	-37,1
90	6	SLU STR.	5102,5	-448,9	-44900	11220	127600	-34,3
91	6	SLU STR.	8518,4	-454,1	-57780	11350	213000	-37,8
92	6	SLU STR.	8527,8	-454,7	-44640	11370	213200	-34,9
93	6	SLU STR.	5094,8	-448,4	-57320	11210	127400	-36,5
94	6	SLU STR.	5104,2	-449,0	-44190	11230	127600	-33,6
95	6	SLU STR.	5094,6	-743,5	-57320	18590	127400	-51,4
96	6	SLU STR.	5104,0	-744,2	-44190	18600	127600	-48,6
97	6	SLU STR.	-21430	-332,2	-65550	8305,3	-535700	-387,0
98	6	SLU STR.	-21420	-332,9	-52410	8322,0	-535500	-384,1
99	6	SLU STR.	-21430	-332,4	-64830	8309,2	-535600	-386,3
100	6	SLU STR.	-21420	-333,0	-51700	8325,8	-535400	-383,5
101	6	SLU STR.	-35680	-260,7	-70110	6518,6	-892100	-620,7
102	6	SLU STR.	-35670	-261,4	-56970	6535,3	-891800	-617,9
103	6	SLU STR.	-21430	-627,5	-64840	15690	-535700	-401,3
104	6	SLU STR.	-21420	-628,2	-51700	15700	-535400	-398,4
105	6	SLE Rare	-32,7	2,3	-44260	-58,0	-818,4	-10,0
106	6	SLE Rare	-31,6	2,2	-43780	-55,5	-789,4	-9,5
107	6	SLE Rare	3391,3	-3,4	-44520	84,9	84780	-11,1
108	6	SLE Rare	5674,9	-7,3	-44350	182,1	141900	-11,5
109	6	SLE Rare	3392,5	-3,5	-44050	87,5	84810	-10,7
110	6	SLE Rare	-14290	73,9	-49530	-1848,6	-357200	-244,3
111	6	SLE Rare	-14290	73,8	-49050	-1846	-357200	-243,9
112	6	SLE Rare	-23790	121,6	-52570	-3039,7	-594800	-400,2
113	6	SLE Rare	209,4	-5,0	-44130	125,6	5235,0	9,7
114	6	SLE Rare	210,6	-5,1	-43660	128,1	5264,1	10,1
115	6	SLE Rare	372,0	-10,0	-43570	250,5	9299,8	23,2
116	6	SLE Rare	3633,5	-10,7	-44400	268,5	90840	8,5
117	6	SLE Rare	5917,0	-14,6	-44230	365,7	147900	8,1
118	6	SLE Rare	3634,6	-10,8	-43920	271,0	90870	9,0
119	6	SLE Rare	3796,1	-15,7	-43840	393,4	94900	22,0
120	6	SLE Rare	-14050	66,6	-49410	-1665,0	-351200	-224,7
121	6	SLE Rare	-14050	66,5	-48930	-1662,4	-351100	-224,3
122	6	SLE Rare	-23550	114,2	-52450	-2856,1	-588800	-380,5
123	6	SLE Rare	-13880	61,6	-48850	-1540,0	-347100	-211,2
124	6	SLE Rare	-296,8	5,7	-44340	-143,0	-7421,1	-19,4
125	6	SLE Rare	-295,7	5,6	-43870	-140,5	-7392,1	-19,0
126	6	SLE Rare	-471,8	7,9	-43920	-197,1	-11790	-25,3
127	6	SLE Rare	3127,2	0,0	-44610	-0,1	78180	-20,5
128	6	SLE Rare	5410,8	-3,9	-44440	97,1	135300	-21,0
129	6	SLE Rare	3128,4	-0,1	-44130	2,5	78210	-20,1
130	6	SLE Rare	2952,3	2,2	-44190	-54,2	73810	-26,4
131	6	SLE Rare	-14550	77,3	-49620	-1933,6	-363800	-253,8
132	6	SLE Rare	-14550	77,2	-49140	-1931	-363800	-253,3
133	6	SLE Rare	-24060	125,0	-52660	-3124,7	-601400	-409,6

134	6	SLE Rare	-14730	79,5	-49200	-1987,7	-368200	-259,6
135	6	SLE Rare	-33,8	320,9	-44270	-8021,4	-843,7	1,4
136	6	SLE Rare	-32,6	320,8	-43790	-8018,8	-814,7	1,8
137	6	SLE Rare	-33,3	533,1	-43800	-13330	-831,5	9,4
138	6	SLE Rare	3390,3	315,1	-44540	-7878,5	84760	0,3
139	6	SLE Rare	5673,9	311,3	-44370	-7781,3	141800	-0,2
140	6	SLE Rare	3391,5	315,0	-44060	-7875,9	84790	0,7
141	6	SLE Rare	3390,8	527,4	-44070	-13180	84770	8,2
142	6	SLE Rare	-14290	392,5	-49550	-9811,9	-357300	-233,0
143	6	SLE Rare	-14290	392,4	-49070	-9809,4	-357200	-232,6
144	6	SLE Rare	-23790	440,1	-52590	-11000	-594800	-388,8
145	6	SLE Rare	-14290	604,7	-49080	-15120	-357200	-225,0
146	6	SLE Rare	-32,9	-292,8	-44260	7320,0	-823,2	-24,9
147	6	SLE Rare	-31,8	-292,9	-43780	7322,6	-794,2	-24,5
148	6	SLE Rare	-31,9	-489,7	-43790	12240	-797,3	-34,4
149	6	SLE Rare	3391,1	-298,5	-44530	7462,9	84780	-26,0
150	6	SLE Rare	5674,7	-302,4	-44350	7560,1	141900	-26,5
151	6	SLE Rare	3392,3	-298,6	-44050	7465,5	84810	-25,6
152	6	SLE Rare	3392,2	-495,4	-44050	12380	84800	-35,5
153	6	SLE Rare	-14290	-221,2	-49540	5529,5	-357200	-259,3
154	6	SLE Rare	-14290	-221,3	-49060	5532,1	-357200	-258,8
155	6	SLE Rare	-23790	-173,5	-52580	4338,4	-594800	-415,1
156	6	SLE Rare	-14290	-418,0	-49060	10450	-357200	-268,8
157	6	SLE Freq.	-31,6	2,2	-43780	-55,5	-789,4	-9,5
158	6	SLE Freq.	2822,2	-2,6	-43840	64,5	70560	-10,3
159	6	SLE Freq.	-11910	61,9	-48180	-1547,6	-297800	-204,8
160	6	SLE Freq.	49,1	-0,2	-43740	5,8	1228,5	-3,0
161	6	SLE Freq.	-119,6	3,4	-43810	-83,8	-2990,3	-12,7
162	6	SLE Freq.	-31,9	108,4	-43780	-2709,9	-797,8	-5,7
163	6	SLE Freq.	-31,6	-96,2	-43780	2403,9	-791,0	-14,5
164	6	SLE Quasi P.	-31,6	2,2	-43780	-55,5	-789,4	-9,5
165	6	SLU A1 sism.	6311,7	-2044,8	-40190	51120	157800	10060
166	6	SLU A1 sism.	6324,3	-5092,5	-40160	127300	158100	4800,6
167	6	SLU A1 sism.	-6387,4	5097,0	-47400	-127400	-159700	-4819,7
168	6	SLU A1 sism.	-6374,8	2049,2	-47360	-51230	-159400	-10080
169	6	SLU A1 sism.	6325,0	-960,7	-40200	24020	158100	5173,9
170	6	SLU A1 sism.	6311,0	-6176,6	-40150	154400	157800	9688,8
171	6	SLU A1 sism.	-6374,1	6181,0	-47410	-154500	-159400	-9707,8
172	6	SLU A1 sism.	-6388,1	965,2	-47350	-24130	-159700	-5192,9
173	6	SLU A1 sism.	6303,4	5129,9	-40160	-128200	157600	-4887,9
174	6	SLU A1 sism.	6315,9	2082,2	-40130	-52050	157900	-10150
175	6	SLU A1 sism.	-6379,1	-2077,7	-47430	51940	-159500	10130
176	6	SLU A1 sism.	-6366,5	-5125,5	-47390	128100	-159200	4868,9
177	6	SLU A1 sism.	6316,7	6213,9	-40170	-155300	157900	-9776,1
178	6	SLU A1 sism.	6302,6	998,1	-40120	-24950	157600	-5261,2
179	6	SLU A1 sism.	-6365,8	-993,7	-47440	24840	-159100	5242,2
180	6	SLU A1 sism.	-6379,8	-6209,5	-47380	155200	-159500	9757,0
181	6	SLU A1 sism.	1852,3	4010,5	-42750	-100300	46310	10990
182	6	SLU A1 sism.	1894,3	-6148,6	-42640	153700	47360	-6546,3
183	6	SLU A1 sism.	-1957,4	6153,1	-44910	-153800	-48940	6527,2
184	6	SLU A1 sism.	-1915,5	-4006,1	-44800	100200	-47890	-11010
185	6	SLU A1 sism.	1849,8	6162,9	-42740	-154100	46250	6506,8
186	6	SLU A1 sism.	1891,8	-3996,2	-42630	99910	47290	-11030
187	6	SLU A1 sism.	-1954,9	4000,6	-44920	-100000	-48870	11010
188	6	SLU A1 sism.	-1913,0	-6158,5	-44810	154000	-47820	-6525,8
189	6	SLU A1 sism.	1896,7	7624,0	-42790	-190600	47420	-5302,0
190	6	SLU A1 sism.	1849,9	-9762,1	-42610	244100	46250	9747,5

191	6	SLU A1 sism.	-1913,1	9766,5	-44950	-244200	-47830	-9766,5
192	6	SLU A1 sism.	-1959,8	-7619,6	-44770	190500	-49000	5283,0
193	6	SLU A1 sism.	1894,2	9776,4	-42780	-244400	47350	-9787
194	6	SLU A1 sism.	1847,4	-7609,7	-42600	190200	46190	5262,5
195	6	SLU A1 sism.	-1910,6	7614,1	-44960	-190400	-47760	-5281,5
196	6	SLU A1 sism.	-1957,3	-9772,0	-44780	244300	-48930	9768,0

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		cm	daN	daN	daN cm				
58	6	0	-57097,7	36069,3	901732,7	0,264	0,239	0,948	Ok
57	6	0	-70231,3	36078,7	901969,6	0,253	0,293	0,948	Ok
58	6	-53,3	-56769,2	3262,9	2082949	0,611	0,237	0,086	Ok
57	6	-53,3	-69827,2	3263,8	2083496	0,585	0,292	0,086	Ok
58	6	-106,7	-56543,5	6360,1	2256971	0,663	0,236	0,167	Ok
57	6	-106,7	-69549,6	6361,7	2257564	0,634	0,291	0,167	Ok
58	6	-160	-56362,5	7524,7	1917767	0,564	0,235	0,198	Ok
57	6	-160	-69327,0	7526,7	1918270	0,539	0,290	0,198	Ok
58	6	-213,3	-56275,6	6626,5	1516448	0,446	0,235	0,174	Ok
57	6	-213,3	-69220,1	6628,3	1516846	0,427	0,289	0,174	Ok
58	6	-266,7	-56225,4	6207,1	1163032	0,342	0,235	0,163	Ok
57	6	-266,7	-69158,4	6208,7	1163338	0,327	0,289	0,163	Ok
58	6	-320	-56156,4	5286,5	831986,5	0,245	0,235	0,139	Ok
57	6	-320	-69073,6	5287,9	832205,1	0,234	0,289	0,139	Ok
58	6	-373,3	-56075,0	4218,3	550039,7	0,162	0,234	0,111	Ok
57	6	-373,3	-68973,4	4219,4	550184,2	0,155	0,288	0,111	Ok
58	6	-426,7	-55987,4	3200,2	325065,2	0,096	0,234	0,084	Ok
57	6	-426,7	-68865,7	3201,1	325150,6	0,092	0,288	0,084	Ok
58	6	-480	-55893,8	2293,1	154387	0,045	0,234	0,060	Ok
57	6	-480	-68750,5	2293,7	154427,6	0,043	0,287	0,060	Ok
58	6	-533,3	-55794,4	1528,1	32090,0	0,009	0,233	0,040	Ok
57	6	-533,3	-68628,2	1528,5	32098,5	0,009	0,287	0,040	Ok
58	6	-586,7	-55689,3	914,6	49408,9	0,015	0,233	0,024	Ok
57	6	-586,7	-68498,9	914,9	49421,9	0,014	0,286	0,024	Ok
58	6	-640	-55578,8	447,0	98190,0	0,029	0,232	0,012	Ok
57	6	-640	-68363,0	447,1	98215,8	0,028	0,286	0,012	Ok
58	6	-693,3	-55463,0	110,1	122029,5	0,036	0,232	0,003	Ok
57	6	-693,3	-68220,6	110,2	122061,5	0,034	0,285	0,003	Ok
58	6	-746,7	-55342,1	115,8	127902,9	0,038	0,231	0,003	Ok
57	6	-746,7	-68071,9	115,9	127936,5	0,036	0,284	0,003	Ok
58	6	-800	-55216,4	252,4	121724,7	0,036	0,231	0,007	Ok
57	6	-800	-67917,3	252,5	121756,7	0,034	0,284	0,007	Ok
58	6	-853,3	-55085,9	320,5	108262,2	0,032	0,230	0,008	Ok

57	6	-853,3	-67756,8	320,6	108290,6	0,031	0,283	0,008	Ok
58	6	-906,7	-54951,0	338,8	91169,9	0,027	0,230	0,009	Ok
57	6	-906,7	-67590,8	338,9	91193,8	0,026	0,282	0,009	Ok
58	6	-960	-54811,7	323,5	73099,1	0,022	0,229	0,008	Ok
57	6	-960	-67419,5	323,6	73118,3	0,021	0,282	0,009	Ok
58	6	-1013,3	-54668,2	287,4	55846,6	0,017	0,228	0,008	Ok
57	6	-1013,3	-67243	287,5	55861,2	0,016	0,281	0,008	Ok
58	6	-1066,7	-54520,8	240,6	40517,6	0,012	0,228	0,006	Ok
57	6	-1066,7	-67061,7	240,7	40528,2	0,011	0,280	0,006	Ok
58	6	-1120	-54369,6	190,4	27684,4	0,008	0,227	0,005	Ok
57	6	-1120	-66875,7	190,5	27691,6	0,008	0,279	0,005	Ok
58	6	-1173,3	-54214,8	141,8	17528,9	0,005	0,226	0,004	Ok
57	6	-1173,3	-66685,2	141,9	17533,5	0,005	0,279	0,004	Ok
58	6	-1226,7	-54056,5	98,2	9963,9	0,003	0,226	0,003	Ok
57	6	-1226,7	-66490,6	98,2	9966,5	0,003	0,278	0,003	Ok
58	6	-1280	-53895,0	61,2	4729,2	0,001	0,225	0,002	Ok
57	6	-1280	-66291,9	61,2	4730,4	0,001	0,277	0,002	Ok
58	6	-1333,3	-53730,4	32,0	1464,1	0,000	0,224	0,001	Ok
57	6	-1333,3	-66089,5	32,0	1464,4	0,000	0,276	0,001	Ok
58	6	-1386,7	-53562,9	10,8	241,5	0,000	0,224	0,000	Ok
57	6	-1386,7	-65883,5	10,8	241,6	0,000	0,275	0,000	Ok
58	6	-1440	-53392,7	2,4	815,5	0,000	0,223	0,000	Ok
57	6	-1440	-65674,1	2,4	815,7	0,000	0,274	0,000	Ok
58	6	-1493,3	-53219,9	7,7	685,9	0,000	0,222	0,000	Ok
57	6	-1493,3	-65461,6	7,7	686,0	0,000	0,273	0,000	Ok
58	6	-1546,7	-53044,8	5,2	275,1	0,000	0,222	0,000	Ok
57	6	-1546,7	-65246,2	5,2	275,2	0,000	0,273	0,000	Ok
178	6	-1600	-37273,0	0,9	0	0	0,156	0,000	Ok
57	6	-1600	-65246,2	5,2	0	0	0,273	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
6	58	6	-106,7	-56543,5	6360,1	2256971	0,663	0,236	0,167
6	57	6	0	-70231,3	36078,7	901969,6	0,253	0,293	0,948

S/Su massime:
Ver. N/M = 0,663 < 1 Ok
Ver. (25) = 0,293 < 1 Ok
Ver. V = 0,948 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**	**Stato**
		cm	daN	daN cm	daN/cmq	daN/cmq	
133	6	0	-52658,0	601418,4	-517,1	-40,4	Ok
133	6	-53,3	-52355,1	1389241	1120,4	-92,7	Ok
133	6	-106,7	-52146,9	1505306	1333,4	-101,2	Ok
133	6	-160	-51980,0	1279071	-970,4	-84,7	Ok
133	6	-213,3	-51899,8	1011408	-780,4	-65,6	Ok
133	6	-266,7	-51853,6	775694,4	-619,6	-50,0	Ok
133	6	-320	-51790,0	554900,5	-488,8	-38,0	Ok
133	6	-373,3	-51714,9	366853,7	-399,2	-30,0	Ok
133	6	-426,7	-51634,1	216805	-332,0	-24,2	Ok
133	6	-480	-51547,8	102969,7	-280,9	-19,7	Ok

133	6	-533,3	-51456,1	21402,7	-244,1	-16,5	Ok
133	6	-586,7	-51359,1	32953,7	-248,8	-16,9	Ok
133	6	-640	-51257,2	65488,7	-262,8	-18,1	Ok
133	6	-693,3	-51150,4	81388,6	-269,4	-18,7	Ok
133	6	-746,7	-51039,0	85306,0	-270,7	-18,8	Ok
133	6	-800	-50923	81185,3	-268,3	-18,6	Ok
133	6	-853,3	-50802,7	72206,4	-263,8	-18,3	Ok
133	6	-906,7	-50678,2	60806,5	-258,1	-17,8	Ok
133	6	-960	-50549,8	48754,1	-252,2	-17,3	Ok
133	6	-1013,3	-50417,5	37247,4	-246,4	-16,8	Ok
133	6	-1066,7	-50281,5	27023,6	-241,2	-16,3	Ok
133	6	-1120	-50142,1	18464,3	-236,8	-16,0	Ok
133	6	-1173,3	-49999,3	11691,1	-233,1	-15,7	Ok
133	6	-1226,7	-49853,3	6645,5	-230,2	-15,4	Ok
133	6	-1280	-49704,4	3154,2	-228,0	-15,2	Ok
133	6	-1333,3	-49552,6	976,5	-225,9	-15,1	Ok
133	6	-1386,7	-49398,1	161,1	-225,2	-15,0	Ok
133	6	-1440	-49241,1	543,9	-224,5	-15,0	Ok
133	6	-1493,3	-49081,8	457,4	-223,7	-14,9	Ok
133	6	-1546,7	-48920,3	183,5	-223,0	-14,9	Ok
133	6	-1600	-48920,3	0	-223,0	-14,9	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**
			cm	daN	daN cm	daN/cmq	daN/cmq
6	133	6	-106,7	-52146,9	1505306	1333,4	-101,2

Valori massimi SLE condizioni rare:
Ten.massima CLS = 101,2 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 1333,4 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Wk**	**Stato**
		cm	daN	daN cm	mm	
159	6	0	-48175,2	297802,5	0	Ok
159	6	-53,3	-47898,0	687906	0	Ok
159	6	-106,7	-47707,5	745377,7	0	Ok
159	6	-160	-47554,8	633353,6	0	Ok
159	6	-213,3	-47481,5	500815,7	0	Ok
159	6	-266,7	-47439,2	384098,2	0	Ok
159	6	-320	-47381,0	274768,4	0	Ok
159	6	-373,3	-47312,3	181653,8	0	Ok
159	6	-426,7	-47238,4	107354,7	0	Ok
159	6	-480	-47159,4	50987,2	0	Ok
159	6	-533,3	-47075,5	10597,9	0	Ok
159	6	-586,7	-46986,8	16317,6	0	Ok
159	6	-640	-46893,6	32427,8	0	Ok
159	6	-693,3	-46795,9	40301,0	0	Ok
159	6	-746,7	-46693,9	42240,7	0	Ok
159	6	-800	-46587,8	40200,3	0	Ok
159	6	-853,3	-46477,8	35754,2	0	Ok
159	6	-906,7	-46363,9	30109,4	0	Ok
159	6	-960	-46246,4	24141,4	0	Ok
159	6	-1013,3	-46125,3	18443,7	0	Ok
159	6	-1066,7	-46000,9	13381,2	0	Ok
159	6	-1120	-45873,4	9142,9	0	Ok
159	6	-1173,3	-45742,7	5789,0	0	Ok
159	6	-1226,7	-45609,2	3290,6	0	Ok

159	6	-1280	-45472,9	1561,8	0	Ok
159	6	-1333,3	-45334,1	483,5	0	Ok
159	6	-1386,7	-45192,8	79,8	0	Ok
159	6	-1440	-45049,1	269,3	0	Ok
159	6	-1493,3	-44903,4	226,5	0	Ok
159	6	-1546,7	-44755,6	90,9	0	Ok
159	6	-1600	-44755,6	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
6	159	6	-106,7	-47707,5	745377,7	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	6	0	-43778,7	791,3	-13,3	0	Ok
164	6	-53,3	-43526,8	1827,9	-13,2	0	Ok
164	6	-106,7	-43353,8	1980,6	-13,2	0	Ok
164	6	-160	-43215	1682,9	-13,1	0	Ok
164	6	-213,3	-43148,4	1330,8	-13,1	0	Ok
164	6	-266,7	-43109,9	1020,6	-13,1	0	Ok
164	6	-320	-43057,0	730,1	-13,1	0	Ok
164	6	-373,3	-42994,6	482,7	-13,1	0	Ok
164	6	-426,7	-42927,4	285,3	-13,0	0	Ok
164	6	-480	-42855,7	135,5	-13,0	0	Ok
164	6	-533,3	-42779,4	28,2	-13,0	0	Ok
164	6	-586,7	-42698,8	43,4	-13,0	0	Ok
164	6	-640	-42614,1	86,2	-13,0	0	Ok
164	6	-693,3	-42525,3	107,1	-12,9	0	Ok
164	6	-746,7	-42432,7	112,2	-12,9	0	Ok
164	6	-800	-42336,3	106,8	-12,9	0	Ok
164	6	-853,3	-42236,2	95,0	-12,8	0	Ok
164	6	-906,7	-42132,8	80,0	-12,8	0	Ok
164	6	-960	-42025,9	64,1	-12,8	0	Ok
164	6	-1013,3	-41916,0	49,0	-12,7	0	Ok
164	6	-1066,7	-41802,9	35,6	-12,7	0	Ok
164	6	-1120	-41687,0	24,3	-12,7	0	Ok
164	6	-1173,3	-41568,3	15,4	-12,6	0	Ok
164	6	-1226,7	-41446,9	8,7	-12,6	0	Ok
164	6	-1280	-41323,1	4,2	-12,6	0	Ok
164	6	-1333,3	-41196,9	1,3	-12,5	0	Ok
164	6	-1386,7	-41068,5	0,2	-12,5	0	Ok
164	6	-1440	-40938,0	0,7	-12,4	0	Ok
164	6	-1493,3	-40805,5	0,6	-12,4	0	Ok
164	6	-1546,7	-40671,2	0,2	-12,4	0	Ok
164	6	-1600	-40671,2	0	-12,4	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
6	164	6	0	-43778,7	791,3	-13,3	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 13,3 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok

Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 7

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	Plin.	Tipo	Vx	Vy	N	Mx	My	T
			daN	daN	daN	daN cm	daN cm	daN cm
1	7	SLU STR.	-19,6	-2,7	-63470	66,6	-488,8	-10,8
2	7	SLU STR.	-15,2	-2,1	-49020	52,0	-380,3	-8,5
3	7	SLU STR.	-18,8	-2,5	-62580	63,3	-470,1	-10,3
4	7	SLU STR.	-14,5	-2,0	-48140	48,7	-361,6	-7,9
5	7	SLU STR.	1894,6	-11,4	-64030	285,0	47360	-11,5
6	7	SLU STR.	1898,9	-10,8	-49580	270,4	47470	-9,1
7	7	SLU STR.	3171,2	-17,1	-63750	428,1	79280	-11,5
8	7	SLU STR.	3175,6	-16,5	-49310	413,5	79390	-9,2
9	7	SLU STR.	1895,3	-11,3	-63140	281,7	47380	-10,9
10	7	SLU STR.	1899,7	-10,7	-48700	267,1	47490	-8,6
11	7	SLU STR.	-7956,9	-16,7	-66800	417,9	-198900	-207,1
12	7	SLU STR.	-7952,6	-16,1	-52360	403,3	-198800	-204,8
13	7	SLU STR.	-7956,2	-16,6	-65910	414,6	-198900	-206,6
14	7	SLU STR.	-7951,9	-16	-51470	400,0	-198800	-204,2
15	7	SLU STR.	-13250	-26,0	-68130	648,8	-331200	-337,4
16	7	SLU STR.	-13240	-25,4	-53690	634,2	-331100	-335,0
17	7	SLU STR.	343,0	-6,7	-63500	167,7	8575,3	13,5
18	7	SLU STR.	347,4	-6,1	-49050	153,1	8683,8	15,9
19	7	SLU STR.	343,8	-6,6	-62610	164,4	8594,1	14,1
20	7	SLU STR.	348,1	-6,0	-48170	149,8	8702,5	16,5
21	7	SLU STR.	585,5	-9,3	-62630	231,8	14640	30,3
22	7	SLU STR.	589,8	-8,7	-48190	217,2	14750	32,7
23	7	SLU STR.	2257,2	-15,4	-64060	386,1	56430	12,9
24	7	SLU STR.	2261,5	-14,9	-49610	371,5	56540	15,2
25	7	SLU STR.	3533,8	-21,2	-63780	529,2	88350	12,8
26	7	SLU STR.	3538,2	-20,6	-49340	514,6	88450	15,2
27	7	SLU STR.	2257,9	-15,3	-63170	382,8	56450	13,4
28	7	SLU STR.	2262,2	-14,7	-48730	368,2	56560	15,8
29	7	SLU STR.	2499,6	-18,0	-63190	450,2	62490	29,6
30	7	SLU STR.	2504,0	-17,4	-48750	435,6	62600	32,0
31	7	SLU STR.	-7594,4	-20,8	-66830	519,0	-189900	-182,8
32	7	SLU STR.	-7590,0	-20,2	-52390	504,4	-189800	-180,4
33	7	SLU STR.	-7593,6	-20,6	-65940	515,7	-189800	-182,2
34	7	SLU STR.	-7589,3	-20,0	-51500	501,1	-189700	-179,8
35	7	SLU STR.	-12890	-30,0	-68160	749,9	-322100	-313,1
36	7	SLU STR.	-12880	-29,4	-53720	735,3	-322000	-310,7
37	7	SLU STR.	-7351,9	-23,3	-65960	583,1	-183800	-166,0
38	7	SLU STR.	-7347,6	-22,7	-51520	568,5	-183700	-163,6
39	7	SLU STR.	-416,1	-1	-63490	24,9	-10400	-22,3
40	7	SLU STR.	-411,8	-0,4	-49040	10,3	-10290	-19,9
41	7	SLU STR.	-415,4	-0,9	-62600	21,6	-10380	-21,8
42	7	SLU STR.	-411,0	-0,3	-48160	7,0	-10280	-19,4
43	7	SLU STR.	-679,8	0,3	-62610	-6,1	-16990	-29,4
44	7	SLU STR.	-675,4	0,8	-48170	-20,8	-16890	-27,0

45	7	SLU STR.	1498,0	-9,7	-64050	243,3	37450	-23,0
46	7	SLU STR.	1502,4	-9,2	-49600	228,7	37560	-20,6
47	7	SLU STR.	2774,7	-15,5	-63770	386,4	69370	-23
48	7	SLU STR.	2779,0	-14,9	-49330	371,8	69480	-20,6
49	7	SLU STR.	1498,8	-9,6	-63160	240,0	37470	-22,4
50	7	SLU STR.	1503,1	-9,0	-48720	225,4	37580	-20,0
51	7	SLU STR.	1234,4	-8,5	-63170	212,2	30860	-30,1
52	7	SLU STR.	1238,7	-7,9	-48730	197,6	30970	-27,7
53	7	SLU STR.	-8353,5	-15,1	-66820	376,2	-208800	-218,6
54	7	SLU STR.	-8349,2	-14,5	-52380	361,6	-208700	-216,2
55	7	SLU STR.	-8352,8	-14,9	-65930	372,9	-208800	-218,0
56	7	SLU STR.	-8348,4	-14,3	-51490	358,3	-208700	-215,7
57	7	SLU STR.	-13640	-24,3	-68150	607,1	-341100	-348,9
58	7	SLU STR.	-13640	-23,7	-53710	592,5	-341000	-346,5
59	7	SLU STR.	-8617,2	-13,8	-65950	345,1	-215400	-225,7
60	7	SLU STR.	-8612,8	-13,2	-51500	330,5	-215300	-223,3
61	7	SLU STR.	-20,3	482,4	-63540	-12060	-506,8	18,4
62	7	SLU STR.	-15,9	483,0	-49100	-12070	-398,3	20,8
63	7	SLU STR.	-19,5	482,5	-62650	-12060	-488,1	19,0
64	7	SLU STR.	-15,2	483,1	-48210	-12080	-379,6	21,3
65	7	SLU STR.	-20	805,9	-62700	-20150	-500,1	38,5
66	7	SLU STR.	-15,7	806,5	-48260	-20160	-391,6	40,8
67	7	SLU STR.	1893,9	473,6	-64100	-11840	47350	17,7
68	7	SLU STR.	1898,2	474,2	-49660	-11860	47460	20,1
69	7	SLU STR.	3170,5	467,9	-63820	-11700	79260	17,7
70	7	SLU STR.	3174,9	468,5	-49380	-11710	79370	20,1
71	7	SLU STR.	1894,6	473,8	-63210	-11840	47370	18,3
72	7	SLU STR.	1899,0	474,4	-48770	-11860	47470	20,7
73	7	SLU STR.	1894,1	797,1	-63260	-19930	47350	37,8
74	7	SLU STR.	1898,5	797,7	-48820	-19940	47460	40,2
75	7	SLU STR.	-7957,7	468,3	-66870	-11710	-198900	-177,9
76	7	SLU STR.	-7953,3	468,9	-52430	-11720	-198800	-175,5
77	7	SLU STR.	-7956,9	468,5	-65980	-11710	-198900	-177,3
78	7	SLU STR.	-7952,6	469,0	-51540	-11730	-198800	-175,0
79	7	SLU STR.	-13250	459,1	-68210	-11480	-331200	-308,2
80	7	SLU STR.	-13240	459,7	-53760	-11490	-331100	-305,8
81	7	SLU STR.	-7957,4	791,8	-66030	-19800	-198900	-157,8
82	7	SLU STR.	-7953,1	792,4	-51590	-19810	-198800	-155,5
83	7	SLU STR.	-19,6	-453,7	-63470	11340	-491,1	-45,0
84	7	SLU STR.	-15,3	-453,1	-49030	11330	-382,6	-42,6
85	7	SLU STR.	-18,9	-453,6	-62590	11340	-472,4	-44,4
86	7	SLU STR.	-14,6	-453,0	-48150	11320	-363,9	-42,0
87	7	SLU STR.	-19,0	-754,3	-62590	18860	-473,9	-67,2
88	7	SLU STR.	-14,6	-753,7	-48150	18840	-365,4	-64,8
89	7	SLU STR.	1894,5	-462,4	-64030	11560	47360	-45,6
90	7	SLU STR.	1898,8	-461,9	-49590	11550	47470	-43,3
91	7	SLU STR.	3171,2	-468,2	-63760	11700	79280	-45,7
92	7	SLU STR.	3175,5	-467,6	-49320	11690	79390	-43,3
93	7	SLU STR.	1895,3	-462,3	-63150	11560	47380	-45,1
94	7	SLU STR.	1899,6	-461,7	-48710	11540	47490	-42,7
95	7	SLU STR.	1895,2	-763,0	-63150	19080	47380	-67,8
96	7	SLU STR.	1899,5	-762,4	-48710	19060	47490	-65,5
97	7	SLU STR.	-7957,0	-467,8	-66810	11690	-198900	-241,3
98	7	SLU STR.	-7952,7	-467,2	-52370	11680	-198800	-238,9
99	7	SLU STR.	-7956,3	-467,6	-65920	11690	-198900	-240,7
100	7	SLU STR.	-7952,0	-467,0	-51480	11680	-198800	-238,3
101	7	SLU STR.	-13250	-477,0	-68140	11920	-331200	-371,6

102	7	SLU STR.	-13240	-476,4	-53700	11910	-331100	-369,2
103	7	SLU STR.	-7956,4	-768,3	-65930	19210	-198900	-263,5
104	7	SLU STR.	-7952,0	-767,7	-51480	19190	-198800	-261,1
105	7	SLE Rare	-15,0	-2,0	-48730	50,9	-374,1	-8,3
106	7	SLE Rare	-14,5	-2,0	-48140	48,7	-361,6	-7,9
107	7	SLE Rare	1261,1	-7,9	-49100	196,5	31530	-8,7
108	7	SLE Rare	2112,2	-11,7	-48920	291,9	52810	-8,7
109	7	SLE Rare	1261,6	-7,8	-48510	194,3	31540	-8,3
110	7	SLE Rare	-5306,6	-11,4	-50950	285,1	-132700	-139,1
111	7	SLE Rare	-5306,1	-11,3	-50360	282,9	-132700	-138,8
112	7	SLE Rare	-8833,8	-17,6	-51840	439	-220800	-226
113	7	SLE Rare	226,8	-4,7	-48750	118,3	5668,7	8,0
114	7	SLE Rare	227,3	-4,6	-48160	116,1	5681,2	8,3
115	7	SLE Rare	388,4	-6,4	-48170	161,1	9709,7	19,2
116	7	SLE Rare	1502,8	-10,6	-49120	263,9	37570	7,5
117	7	SLE Rare	2353,9	-14,4	-48940	359,3	58850	7,5
118	7	SLE Rare	1503,3	-10,5	-48530	261,7	37580	7,9
119	7	SLE Rare	1664,5	-12,3	-48540	306,6	41610	18,7
120	7	SLE Rare	-5064,9	-14,1	-50970	352,5	-126600	-122,9
121	7	SLE Rare	-5064,4	-14,0	-50380	350,3	-126600	-122,5
122	7	SLE Rare	-8592,1	-20,3	-51860	506,4	-214800	-209,8
123	7	SLE Rare	-4903,2	-15,8	-50390	395,2	-122600	-111,7
124	7	SLE Rare	-279,3	-0,9	-48740	23,1	-6983,6	-15,9
125	7	SLE Rare	-278,8	-0,8	-48150	20,9	-6971,1	-15,6
126	7	SLE Rare	-455,1	-0,1	-48160	2,4	-11380	-20,7
127	7	SLE Rare	996,8	-6,8	-49120	168,7	24920	-16,4
128	7	SLE Rare	1847,9	-10,6	-48930	264,1	46200	-16,4
129	7	SLE Rare	997,3	-6,7	-48520	166,5	24930	-16
130	7	SLE Rare	821	-5,9	-48530	148,0	20520	-21,1
131	7	SLE Rare	-5570,9	-10,3	-50960	257,3	-139300	-146,8
132	7	SLE Rare	-5570,4	-10,2	-50370	255,1	-139300	-146,4
133	7	SLE Rare	-9098,2	-16,5	-51850	411,2	-227500	-233,7
134	7	SLE Rare	-5746,7	-9,5	-50380	236,6	-143700	-151,5
135	7	SLE Rare	-15,4	321,3	-48780	-8033,2	-386,1	11,2
136	7	SLE Rare	-14,9	321,4	-48190	-8035,4	-373,6	11,6
137	7	SLE Rare	-15,3	537,0	-48220	-13420	-381,6	24,6
138	7	SLE Rare	1260,7	315,5	-49150	-7887,6	31520	10,8
139	7	SLE Rare	2111,8	311,7	-48970	-7792,2	52790	10,8
140	7	SLE Rare	1261,2	315,6	-48560	-7889,8	31530	11,1
141	7	SLE Rare	1260,8	531,2	-48590	-13280	31520	24,1
142	7	SLE Rare	-5307,0	312,0	-51000	-7799,0	-132700	-119,7
143	7	SLE Rare	-5306,5	312,1	-50410	-7801,2	-132700	-119,3
144	7	SLE Rare	-8834,3	305,8	-51890	-7645,1	-220900	-206,5
145	7	SLE Rare	-5306,9	527,6	-50440	-13190	-132700	-106,3
146	7	SLE Rare	-15,0	-302,7	-48730	7568,3	-375,6	-31,0
147	7	SLE Rare	-14,5	-302,6	-48140	7566,1	-363,1	-30,7
148	7	SLE Rare	-14,6	-503,1	-48150	12580	-364,1	-45,8
149	7	SLE Rare	1261,1	-308,6	-49110	7713,9	31530	-31,5
150	7	SLE Rare	2112,2	-312,4	-48920	7809,3	52800	-31,5
151	7	SLE Rare	1261,6	-308,5	-48520	7711,7	31540	-31,1
152	7	SLE Rare	1261,5	-508,9	-48520	12720	31540	-46,3
153	7	SLE Rare	-5306,6	-312,1	-50960	7802,5	-132700	-161,9
154	7	SLE Rare	-5306,1	-312,0	-50370	7800,3	-132700	-161,5
155	7	SLE Rare	-8833,9	-318,3	-51850	7956,4	-220800	-248,8
156	7	SLE Rare	-5306,2	-512,5	-50370	12810	-132700	-176,7
157	7	SLE Freq.	-14,5	-2,0	-48140	48,7	-361,6	-7,9
158	7	SLE Freq.	1049,1	-6,8	-48240	169,3	26230	-8,1

159	7	SLE Freq.	-4424,1	-9,8	-49990	243,9	-110600	-117,0
160	7	SLE Freq.	66,1	-2,9	-48140	71,2	1652,6	-2,5
161	7	SLE Freq.	-102,6	-1,6	-48140	39,5	-2564,8	-10,5
162	7	SLE Freq.	-14,6	105,8	-48150	-2646,0	-365,6	-1,4
163	7	SLE Freq.	-14,5	-102,2	-48140	2554,5	-362,1	-15,5
164	7	SLE Quasi P.	-14,5	-2,0	-48140	48,7	-361,6	-7,9
165	7	SLU A1 sism.	6334,2	143,2	-47140	-3580,8	158400	10060
166	7	SLU A1 sism.	6346,8	-3095,0	-47100	77370	158700	4780,4
167	7	SLU A1 sism.	-6375,7	3091,1	-49180	-77280	-159400	-4796,2
168	7	SLU A1 sism.	-6363,1	-147,1	-49140	3678,2	-159100	-10070
169	7	SLU A1 sism.	6347,5	661,2	-47140	-16530	158700	5169,8
170	7	SLU A1 sism.	6333,5	-3613,0	-47100	90320	158300	9668,9
171	7	SLU A1 sism.	-6362,4	3609,1	-49180	-90230	-159100	-9684,7
172	7	SLU A1 sism.	-6376,4	-665,1	-49130	16630	-159400	-5185,6
173	7	SLU A1 sism.	6326,0	3104,9	-47160	-77620	158200	-4865,8
174	7	SLU A1 sism.	6338,6	-133,3	-47120	3332,6	158500	-10140
175	7	SLU A1 sism.	-6367,5	129,4	-49150	-3235,2	-159200	10130
176	7	SLU A1 sism.	-6354,9	-3108,8	-49110	77720	-158900	4850,0
177	7	SLU A1 sism.	6339,3	3622,9	-47160	-90570	158500	-9754,2
178	7	SLU A1 sism.	6325,3	-651,3	-47120	16280	158100	-5255,1
179	7	SLU A1 sism.	-6354,2	647,4	-49160	-16190	-158900	5239,3
180	7	SLU A1 sism.	-6368,2	-3626,8	-49110	90670	-159200	9738,4
181	7	SLU A1 sism.	1871,1	4952,9	-47900	-123800	46780	11020
182	7	SLU A1 sism.	1913,0	-5841,1	-47770	146000	47820	-6576,0
183	7	SLU A1 sism.	-1941,9	5837,2	-48510	-145900	-48550	6560,2
184	7	SLU A1 sism.	-1900,0	-4956,8	-48380	123900	-47500	-11030
185	7	SLU A1 sism.	1868,6	5841,4	-47910	-146000	46710	6539,4
186	7	SLU A1 sism.	1910,5	-4952,6	-47770	123800	47760	-11050
187	7	SLU A1 sism.	-1939,5	4948,7	-48500	-123700	-48490	11040
188	7	SLU A1 sism.	-1897,5	-5845,3	-48370	146100	-47440	-6555,2
189	7	SLU A1 sism.	1915,4	6679,5	-47910	-167000	47880	-5278,2
190	7	SLU A1 sism.	1868,7	-7567,8	-47760	189200	46720	9718,8
191	7	SLU A1 sism.	-1897,6	7563,9	-48520	-189100	-47440	-9734,6
192	7	SLU A1 sism.	-1944,3	-6683,4	-48370	167100	-48610	5262,4
193	7	SLU A1 sism.	1912,9	7568,0	-47910	-189200	47820	-9755,4
194	7	SLU A1 sism.	1866,2	-6679,3	-47760	167000	46660	5241,6
195	7	SLU A1 sism.	-1895,1	6675,4	-48510	-166900	-47380	-5257,4
196	7	SLU A1 sism.	-1941,9	-7571,9	-48360	189300	-48550	9739,6

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**	**Stato**
		cm	daN	daN	daN cm				
58	7	0	-53712,0	13640,0	341001,5	0,101	0,224	0,358	Ok
79	7	0	-68205,5	13256,5	331412	0,094	0,285	0,348	Ok
57	7	0	-68153,3	13644,4	341110	0,096	0,285	0,358	Ok

58	7	-53,3	-53402,9	1233,9	787693,1	0,234	0,223	0,032	Ok
79	7	-53,3	-67813,0	1199,2	765541,9	0,216	0,283	0,032	Ok
57	7	-53,3	-67761,2	1234,3	787943,8	0,223	0,283	0,032	Ok
58	7	-106,7	-53190,6	2405,1	853501,7	0,254	0,222	0,063	Ok
79	7	-106,7	-67543,4	2337,5	829499,8	0,235	0,282	0,061	Ok
57	7	-106,7	-67491,7	2405,9	853773,3	0,241	0,282	0,063	Ok
58	7	-160	-53020,3	2845,6	725227,5	0,216	0,221	0,075	Ok
79	7	-160	-67327,2	2765,5	704832,9	0,199	0,281	0,073	Ok
57	7	-160	-67275,7	2846,5	725458,2	0,205	0,281	0,075	Ok
58	7	-213,3	-52938,6	2505,9	573463,7	0,171	0,221	0,066	Ok
79	7	-213,3	-67223,4	2435,4	557336,9	0,158	0,281	0,064	Ok
57	7	-213,3	-67172,0	2506,7	573646,2	0,162	0,281	0,066	Ok
58	7	-266,7	-52891,4	2347,3	439815,2	0,131	0,221	0,062	Ok
79	7	-266,7	-67163,5	2281,3	427446,9	0,121	0,281	0,060	Ok
57	7	-266,7	-67112,1	2348,0	439955,2	0,125	0,280	0,062	Ok
58	7	-320	-52826,5	1999,2	314626,1	0,094	0,221	0,053	Ok
79	7	-320	-67081,1	1942,9	305778,3	0,087	0,280	0,051	Ok
57	7	-320	-67029,8	1999,8	314726,2	0,089	0,280	0,053	Ok
58	7	-373,3	-52749,9	1595,2	208004,4	0,062	0,220	0,042	Ok
79	7	-373,3	-66983,9	1550,3	202155	0,057	0,280	0,041	Ok
57	7	-373,3	-66932,6	1595,7	208070,6	0,059	0,280	0,042	Ok
58	7	-426,7	-52667,5	1210,2	122927,5	0,037	0,220	0,032	Ok
79	7	-426,7	-66879,2	1176,2	119470,5	0,034	0,279	0,031	Ok
57	7	-426,7	-66828,1	1210,6	122966,6	0,035	0,279	0,032	Ok
58	7	-480	-52579,4	867,2	58383,4	0,017	0,220	0,023	Ok
79	7	-480	-66767,4	842,8	56741,5	0,016	0,279	0,022	Ok
57	7	-480	-66716,3	867,4	58402,0	0,017	0,279	0,023	Ok
58	7	-533,3	-52485,9	577,9	12135,3	0,004	0,219	0,015	Ok
79	7	-533,3	-66648,6	561,6	11794,0	0,003	0,278	0,015	Ok
57	7	-533,3	-66597,6	578,1	12139,1	0,003	0,278	0,015	Ok
58	7	-586,7	-52387,1	345,9	18684,6	0,006	0,219	0,009	Ok
79	7	-586,7	-66523,1	336,2	18159,2	0,005	0,278	0,009	Ok
57	7	-586,7	-66472,2	346,0	18690,6	0,005	0,278	0,009	Ok
58	7	-640	-52283,1	169,0	37131,8	0,011	0,218	0,004	Ok
79	7	-640	-66391,0	164,3	36087,6	0,010	0,277	0,004	Ok
57	7	-640	-66340,3	169,1	37143,6	0,011	0,277	0,004	Ok
58	7	-693,3	-52174,2	41,6	46147,0	0,014	0,218	0,001	Ok
79	7	-693,3	-66252,7	40,5	44849,3	0,013	0,277	0,001	Ok
57	7	-693,3	-66202,1	41,7	46161,7	0,013	0,277	0,001	Ok
58	7	-746,7	-52060,5	43,8	48368,1	0,014	0,217	0,001	Ok
79	7	-746,7	-66108,4	42,6	47007,9	0,013	0,276	0,001	Ok
57	7	-746,7	-66057,8	43,8	48383,5	0,014	0,276	0,001	Ok
58	7	-800	-51942,2	95,5	46031,7	0,014	0,217	0,003	Ok
79	7	-800	-65958,1	92,8	44737,2	0,013	0,276	0,002	Ok
57	7	-800	-65907,7	95,5	46046,4	0,013	0,275	0,003	Ok
58	7	-853,3	-51819,5	121,2	40940,7	0,012	0,216	0,003	Ok
79	7	-853,3	-65802,3	117,8	39789,4	0,011	0,275	0,003	Ok
57	7	-853,3	-65752	121,2	40953,7	0,012	0,275	0,003	Ok
58	7	-906,7	-51692,5	128,1	34477,0	0,010	0,216	0,003	Ok
79	7	-906,7	-65641,1	124,5	33507,5	0,010	0,274	0,003	Ok
57	7	-906,7	-65590,9	128,2	34488,0	0,010	0,274	0,003	Ok
58	7	-960	-51561,5	122,3	27643,3	0,008	0,215	0,003	Ok
79	7	-960	-65474,7	118,9	26866,0	0,008	0,274	0,003	Ok
57	7	-960	-65424,6	122,4	27652,1	0,008	0,273	0,003	Ok
58	7	-1013,3	-51426,5	108,7	21119,1	0,006	0,215	0,003	Ok
79	7	-1013,3	-65303,3	105,6	20525,2	0,006	0,273	0,003	Ok
57	7	-1013,3	-65253,4	108,7	21125,8	0,006	0,273	0,003	Ok

58	7	-1066,7	-51287,8	91,0	15322,2	0,005	0,214	0,002	Ok
79	7	-1066,7	-65127,2	88,4	14891,3	0,004	0,272	0,002	Ok
57	7	-1066,7	-65077,4	91,0	15327,1	0,004	0,272	0,002	Ok
58	7	-1120	-51145,6	72,0	10469,2	0,003	0,214	0,002	Ok
79	7	-1120	-64946,6	70,0	10174,8	0,003	0,271	0,002	Ok
57	7	-1120	-64896,9	72,0	10472,5	0,003	0,271	0,002	Ok
58	7	-1173,3	-51000,0	53,6	6628,8	0,002	0,213	0,001	Ok
79	7	-1173,3	-64761,7	52,1	6442,4	0,002	0,271	0,001	Ok
57	7	-1173,3	-64712,1	53,7	6630,9	0,002	0,270	0,001	Ok
58	7	-1226,7	-50851,1	37,1	3768,0	0,001	0,212	0,001	Ok
79	7	-1226,7	-64572,6	36,1	3662,0	0,001	0,270	0,001	Ok
57	7	-1226,7	-64523,2	37,1	3769,2	0,001	0,270	0,001	Ok
58	7	-1280	-50699,2	23,2	1788,4	0,001	0,212	0,001	Ok
79	7	-1280	-64379,7	22,5	1738,1	0,000	0,269	0,001	Ok
57	7	-1280	-64330,5	23,2	1789,0	0,001	0,269	0,001	Ok
58	7	-1333,3	-50544,3	12,1	553,7	0,000	0,211	0,000	Ok
79	7	-1333,3	-64183,1	11,8	538,1	0,000	0,268	0,000	Ok
57	7	-1333,3	-64134,0	12,1	553,8	0,000	0,268	0,000	Ok
58	7	-1386,7	-50386,8	4,1	91,3	0,000	0,210	0,000	Ok
79	7	-1386,7	-63983,0	4,0	88,8	0,000	0,267	0,000	Ok
57	7	-1386,7	-63934,1	4,1	91,4	0,000	0,267	0,000	Ok
58	7	-1440	-50226,7	0,9	308,4	0,000	0,210	0,000	Ok
79	7	-1440	-63779,7	0,9	299,7	0,000	0,266	0,000	Ok
57	7	-1440	-63730,9	0,9	308,5	0,000	0,266	0,000	Ok
58	7	-1493,3	-50064,1	2,9	259,4	0,000	0,209	0,000	Ok
79	7	-1493,3	-63573,3	2,8	252,1	0,000	0,266	0,000	Ok
57	7	-1493,3	-63524,7	2,9	259,5	0,000	0,265	0,000	Ok
58	7	-1546,7	-49899,4	2,0	104,0	0,000	0,208	0,000	Ok
79	7	-1546,7	-63364,1	1,9	101,1	0,000	0,265	0,000	Ok
57	7	-1546,7	-63315,7	2,0	104,1	0,000	0,265	0,000	Ok
170	7	-1600	-43752,6	1,0	0	0	0,183	0,000	Ok
79	7	-1600	-63364,1	1,9	0	0	0,265	0,000	Ok
57	7	-1600	-63315,7	2,0	0	0	0,265	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
7	58	7	-106,7	-53190,6	2405,1	853501,7	0,254	0,222	0,063
7	79	7	0	-68205,5	13256,5	331412	0,094	0,285	0,348
7	57	7	0	-68153,3	13644,4	341110	0,096	0,285	0,358

S/Su massime:
Ver. N/M = 0,254 < 1 Ok
Ver. (25) = 0,285 < 1 Ok
Ver. V = 0,358 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**	**Stato**
		cm	daN	daN cm	daN/cmq	daN/cmq	
133	7	0	-51853,9	227454,9	-337,7	-24,6	Ok
133	7	-53,3	-51555,6	525407,3	-472,6	-36,5	Ok
133	7	-106,7	-51350,6	569302,9	-494,9	-38,6	Ok
133	7	-160	-51186,2	483741,4	-450,4	-34,6	Ok
133	7	-213,3	-51107,3	382511,9	-403,4	-30,5	Ok

133	7	-266,7	-51061,7	293365,7	-363,5	-27,0	Ok
133	7	-320	-50999,1	209862	-326,0	-23,7	Ok
133	7	-373,3	-50925,2	138743,1	-294,0	-20,9	Ok
133	7	-426,7	-50845,6	81995,1	-268,3	-18,7	Ok
133	7	-480	-50760,6	38942,9	-248,7	-16,9	Ok
144	7	-533,3	-50704,3	7864,4	-234,6	-15,7	Ok
133	7	-586,7	-50574,9	12463,0	-236,1	-15,9	Ok
133	7	-640	-50474,5	24767,7	-241,1	-16,3	Ok
133	7	-693,3	-50369,3	30781,0	-243,3	-16,5	Ok
133	7	-746,7	-50259,6	32262,5	-243,5	-16,5	Ok
133	7	-800	-50145,4	30704,1	-242,3	-16,4	Ok
133	7	-853,3	-50026,9	27308,3	-240,2	-16,3	Ok
133	7	-906,7	-49904,3	22996,9	-237,7	-16,1	Ok
133	7	-960	-49777,8	18438,7	-235,1	-15,8	Ok
133	7	-1013,3	-49647,6	14086,9	-232,6	-15,6	Ok
133	7	-1066,7	-49513,7	10220,2	-230,3	-15,4	Ok
144	7	-1066,7	-49546,9	9929,7	-230,3	-15,4	Ok
156	7	-1066,7	-48095,7	5988,3	-221,9	-14,8	Ok
144	7	-1120	-49409,5	6784,7	-228,3	-15,3	Ok
144	7	-1173,3	-49268,8	4295,8	-226,5	-15,1	Ok
144	7	-1226,7	-49124,9	2441,9	-223,9	-14,9	Ok
144	7	-1280	-48978,2	1159,0	-223,3	-14,9	Ok
144	7	-1333,3	-48828,6	358,8	-222,6	-14,8	Ok
144	7	-1386,7	-48676,4	59,2	-221,9	-14,8	Ok
144	7	-1440	-48521,7	199,8	-221,2	-14,7	Ok
144	7	-1493,3	-48364,7	168,1	-220,5	-14,7	Ok
144	7	-1546,7	-48205,5	67,4	-219,7	-14,6	Ok
144	7	-1600	-48205,5	0	-219,7	-14,6	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**
			cm	daN	daN cm	daN/cmq	daN/cmq
7	133	7	-106,7	-51350,6	569302,9	-494,9	-38,6

Valori massimi SLE condizioni rare:
Ten.massima CLS = 38,6 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = -494,9 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Wk**	**Stato**
		cm	daN	daN cm	mm	
159	7	0	-49989,1	110603,6	0	Ok
159	7	-53,3	-49701,5	255487,7	0	Ok
159	7	-106,7	-49503,9	276832,6	0	Ok
159	7	-160	-49345,4	235227	0	Ok
159	7	-213,3	-49269,3	186002,5	0	Ok
159	7	-266,7	-49225,4	142653,7	0	Ok
159	7	-320	-49165,1	102048,7	0	Ok
159	7	-373,3	-49093,8	67466,1	0	Ok
159	7	-426,7	-49017,1	39871,4	0	Ok
159	7	-480	-48935,1	18936,6	0	Ok
159	7	-533,3	-48848,1	3936,1	0	Ok
159	7	-586,7	-48756,1	6060,3	0	Ok
159	7	-640	-48659,3	12043,7	0	Ok
159	7	-693,3	-48557,9	14967,7	0	Ok
159	7	-746,7	-48452,1	15688,2	0	Ok
159	7	-800	-48342,0	14930,4	0	Ok
159	7	-853,3	-48227,8	13279,1	0	Ok

159	7	-906,7	-48109,7	11182,6	0	Ok
159	7	-960	-47987,7	8966,1	0	Ok
159	7	-1013,3	-47862,1	6850,0	0	Ok
159	7	-1066,7	-47733,1	4969,8	0	Ok
159	7	-1120	-47600,7	3395,7	0	Ok
159	7	-1173,3	-47465,1	2150,0	0	Ok
159	7	-1226,7	-47326,6	1222,1	0	Ok
159	7	-1280	-47185,2	580,1	0	Ok
159	7	-1333,3	-47041,1	179,6	0	Ok
159	7	-1386,7	-46894,4	29,6	0	Ok
159	7	-1440	-46745,4	100,0	0	Ok
159	7	-1493,3	-46594,2	84,1	0	Ok
159	7	-1546,7	-46440,8	33,7	0	Ok
159	7	-1600	-46440,8	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
7	159	7	-106,7	-49503,9	276832,6	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	7	0	-48137,8	364,9	-14,6	0	Ok
164	7	-53,3	-47860,9	842,8	-14,5	0	Ok
164	7	-106,7	-47670,6	913,3	-14,5	0	Ok
164	7	-160	-47518,0	776,0	-14,4	0	Ok
164	7	-213,3	-47444,7	613,6	-14,4	0	Ok
164	7	-266,7	-47402,4	470,6	-14,4	0	Ok
164	7	-320	-47344,3	336,7	-14,4	0	Ok
164	7	-373,3	-47275,7	222,6	-14,4	0	Ok
164	7	-426,7	-47201,8	131,5	-14,3	0	Ok
164	7	-480	-47122,9	62,5	-14,3	0	Ok
164	7	-533,3	-47039,0	13,0	-14,3	0	Ok
164	7	-586,7	-46950,4	20,0	-14,3	0	Ok
164	7	-640	-46857,3	39,7	-14,2	0	Ok
164	7	-693,3	-46759,7	49,4	-14,2	0	Ok
164	7	-746,7	-46657,8	51,8	-14,2	0	Ok
164	7	-800	-46551,7	49,3	-14,1	0	Ok
164	7	-853,3	-46441,8	43,8	-14,1	0	Ok
164	7	-906,7	-46328,0	36,9	-14,1	0	Ok
164	7	-960	-46210,5	29,6	-14,0	0	Ok
164	7	-1013,3	-46089,6	22,6	-14,0	0	Ok
164	7	-1066,7	-45965,3	16,4	-14,0	0	Ok
164	7	-1120	-45837,8	11,2	-13,9	0	Ok
164	7	-1173,3	-45707,3	7,1	-13,9	0	Ok
164	7	-1226,7	-45573,9	4,0	-13,8	0	Ok
164	7	-1280	-45437,7	1,9	-13,8	0	Ok
164	7	-1333,3	-45299,0	0,6	-13,8	0	Ok
164	7	-1386,7	-45157,8	0,1	-13,7	0	Ok
164	7	-1440	-45014,2	0,3	-13,7	0	Ok
164	7	-1493,3	-44868,6	0,3	-13,6	0	Ok
164	7	-1546,7	-44720,9	0,1	-13,6	0	Ok
164	7	-1600	-44720,9	0	-13,6	0	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. C	Wk
			cm	daN	daN cm	daN/cmq	mm
7	164	7	0	-48137,8	364,9	-14,6	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 14,6 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 8

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	Plin.	Tipo	Vx	Vy	N	Mx	My	T
			daN	daN	daN	daN cm	daN cm	daN cm
1	8	SLU STR.	17,0	-4,8	-65540	120,5	424,2	1,7
2	8	SLU STR.	13,2	-3,8	-50610	94,2	330,6	1,3
3	8	SLU STR.	16,2	-4,6	-64720	113,9	405,6	1,7
4	8	SLU STR.	12,5	-3,5	-49780	87,6	312,0	1,3
5	8	SLU STR.	-1458,3	-13,4	-66060	336,0	-36460	1,9
6	8	SLU STR.	-1462,0	-12,4	-51130	309,7	-36550	1,5
7	8	SLU STR.	-2442,3	-19,0	-65800	474,8	-61060	1,9
8	8	SLU STR.	-2446,0	-17,9	-50870	448,5	-61150	1,6
9	8	SLU STR.	-1459,0	-13,2	-65240	329,4	-36470	1,8
10	8	SLU STR.	-1462,7	-12,1	-50300	303,1	-36570	1,4
11	8	SLU STR.	6254,3	-25,4	-66480	635,5	156400	109,7
12	8	SLU STR.	6250,6	-24,4	-51540	609,2	156300	109,3
13	8	SLU STR.	6253,6	-25,2	-65650	629,0	156300	109,7
14	8	SLU STR.	6249,8	-24,1	-50720	602,7	156200	109,3
15	8	SLU STR.	10410	-38,9	-66270	972,4	260300	181,7
16	8	SLU STR.	10410	-37,8	-51340	946,1	260200	181,3
17	8	SLU STR.	378,8	-1,8	-65600	45,0	9470,5	25,9
18	8	SLU STR.	375,1	-0,8	-50660	18,7	9376,9	25,5
19	8	SLU STR.	378,1	-1,5	-64770	38,5	9451,9	25,8
20	8	SLU STR.	374,3	-0,5	-49840	12,2	9358,3	25,4
21	8	SLU STR.	619,3	0,5	-64810	-11,9	15480	41,9
22	8	SLU STR.	615,6	1,5	-49870	-38,2	15390	41,6
23	8	SLU STR.	-1096,4	-10,4	-66120	260,5	-27410	26,0
24	8	SLU STR.	-1100,1	-9,4	-51180	234,2	-27500	25,7
25	8	SLU STR.	-2080,4	-16,0	-65860	399,3	-52010	26,1
26	8	SLU STR.	-2084,2	-14,9	-50920	373,0	-52100	25,7
27	8	SLU STR.	-1097,1	-10,2	-65290	253,9	-27430	26,0
28	8	SLU STR.	-1100,9	-9,1	-50360	227,7	-27520	25,6
29	8	SLU STR.	-855,9	-8,1	-65330	203,6	-21400	42,1
30	8	SLU STR.	-859,7	-7,1	-50390	177,3	-21490	41,7
31	8	SLU STR.	6616,2	-22,4	-66530	560,0	165400	133,9
32	8	SLU STR.	6612,4	-21,4	-51590	533,7	165300	133,5
33	8	SLU STR.	6615,4	-22,1	-65700	553,5	165400	133,8
34	8	SLU STR.	6611,7	-21,1	-50770	527,2	165300	133,4
35	8	SLU STR.	10770	-35,9	-66330	896,9	269300	205,8
36	8	SLU STR.	10770	-34,8	-51390	870,6	269200	205,4
37	8	SLU STR.	6856,7	-20,1	-65740	503,2	171400	149,9

38	8	SLU STR.	6852,9	-19,1	-50810	476,9	171300	149,5
39	8	SLU STR.	-380,7	-6,4	-65520	160,6	-9517,6	-9,1
40	8	SLU STR.	-384,5	-5,4	-50590	134,3	-9611,2	-9,4
41	8	SLU STR.	-381,5	-6,2	-64700	154,1	-9536,2	-9,1
42	8	SLU STR.	-385,2	-5,1	-49760	127,8	-9629,8	-9,5
43	8	SLU STR.	-646,6	-7,2	-64690	180,8	-16160	-16,3
44	8	SLU STR.	-650,3	-6,2	-49750	154,5	-16260	-16,7
45	8	SLU STR.	-1855,9	-15,0	-66040	376,1	-46400	-8,9
46	8	SLU STR.	-1859,7	-14,0	-51110	349,8	-46490	-9,3
47	8	SLU STR.	-2839,9	-20,6	-65780	514,9	-71000	-8,8
48	8	SLU STR.	-2843,7	-19,5	-50850	488,6	-71090	-9,2
49	8	SLU STR.	-1856,7	-14,8	-65220	369,6	-46420	-9,0
50	8	SLU STR.	-1860,4	-13,7	-50280	343,3	-46510	-9,3
51	8	SLU STR.	-2121,8	-15,9	-65200	396,3	-53040	-16,1
52	8	SLU STR.	-2125,5	-14,8	-50270	370,0	-53140	-16,5
53	8	SLU STR.	5856,6	-27,0	-66460	675,7	146400	98,9
54	8	SLU STR.	5852,9	-26,0	-51520	649,4	146300	98,6
55	8	SLU STR.	5855,9	-26,8	-65630	669,1	146400	98,9
56	8	SLU STR.	5852,2	-25,7	-50700	642,8	146300	98,5
57	8	SLU STR.	10010	-40,5	-66250	1012,5	250400	170,9
58	8	SLU STR.	10010	-39,5	-51320	986,2	250300	170,5
59	8	SLU STR.	5590,8	-27,8	-65620	695,9	139800	91,7
60	8	SLU STR.	5587,0	-26,8	-50680	669,6	139700	91,3
61	8	SLU STR.	17,6	489,0	-65600	-12230	439,4	28,2
62	8	SLU STR.	13,8	490,1	-50670	-12250	345,8	27,8
63	8	SLU STR.	16,8	489,3	-64780	-12230	420,8	28,2
64	8	SLU STR.	13,1	490,3	-49840	-12260	327,2	27,8
65	8	SLU STR.	17,2	818,5	-64810	-20460	430,9	45,8
66	8	SLU STR.	13,5	819,5	-49880	-20490	337,4	45,4
67	8	SLU STR.	-1457,6	480,4	-66120	-12010	-36440	28,4
68	8	SLU STR.	-1461,4	481,4	-51180	-12040	-36530	28,0
69	8	SLU STR.	-2441,7	474,8	-65860	-11870	-61040	28,4
70	8	SLU STR.	-2445,4	475,9	-50930	-11900	-61140	28,1
71	8	SLU STR.	-1458,4	480,7	-65290	-12020	-36460	28,3
72	8	SLU STR.	-1462,1	481,7	-50360	-12040	-36550	27,9
73	8	SLU STR.	-1458,0	809,9	-65330	-20250	-36450	46,0
74	8	SLU STR.	-1461,7	810,9	-50400	-20270	-36540	45,6
75	8	SLU STR.	6254,9	468,4	-66530	-11710	156400	136,2
76	8	SLU STR.	6251,2	469,5	-51600	-11740	156300	135,8
77	8	SLU STR.	6254,2	468,7	-65710	-11720	156400	136,2
78	8	SLU STR.	6250,4	469,7	-50770	-11740	156300	135,8
79	8	SLU STR.	10410	454,9	-66330	-11370	260300	208,2
80	8	SLU STR.	10410	456,0	-51390	-11400	260200	207,8
81	8	SLU STR.	6254,6	797,9	-65750	-19950	156400	153,8
82	8	SLU STR.	6250,8	798,9	-50810	-19970	156300	153,4
83	8	SLU STR.	17,1	-466,4	-65550	11660	427,2	-31,3
84	8	SLU STR.	13,3	-465,4	-50620	11630	333,6	-31,7
85	8	SLU STR.	16,3	-466,2	-64730	11650	408,5	-31,3
86	8	SLU STR.	12,6	-465,1	-49790	11630	315,0	-31,7
87	8	SLU STR.	16,4	-773,9	-64740	19350	410,5	-53,3
88	8	SLU STR.	12,7	-772,9	-49800	19320	316,9	-53,7
89	8	SLU STR.	-1458,1	-475,1	-66070	11880	-36450	-31,1
90	8	SLU STR.	-1461,9	-474	-51140	11850	-36550	-31,5
91	8	SLU STR.	-2442,2	-480,6	-65810	12020	-61050	-31,1
92	8	SLU STR.	-2445,9	-479,6	-50880	11990	-61150	-31,4
93	8	SLU STR.	-1458,9	-474,8	-65250	11870	-36470	-31,2
94	8	SLU STR.	-1462,6	-473,7	-50310	11840	-36570	-31,6

95	8	SLU STR.	-1458,8	-782,5	-65250	19560	-36470	-53,2
96	8	SLU STR.	-1462,5	-781,5	-50320	19540	-36560	-53,6
97	8	SLU STR.	6254,4	-487,0	-66490	12180	156400	76,7
98	8	SLU STR.	6250,7	-486,0	-51550	12150	156300	76,3
99	8	SLU STR.	6253,7	-486,8	-65660	12170	156300	76,7
100	8	SLU STR.	6249,9	-485,7	-50730	12140	156200	76,3
101	8	SLU STR.	10410	-500,5	-66280	12510	260300	148,7
102	8	SLU STR.	10410	-499,5	-51350	12490	260200	148,3
103	8	SLU STR.	6253,8	-794,5	-65670	19860	156300	54,7
104	8	SLU STR.	6250,0	-793,5	-50730	19840	156300	54,3
105	8	SLE Rare	13,0	-3,7	-50330	92	324,4	1,3
106	8	SLE Rare	12,5	-3,5	-49780	87,6	312,0	1,3
107	8	SLE Rare	-970,5	-9,4	-50680	235,7	-24260	1,4
108	8	SLE Rare	-1626,5	-13,1	-50510	328,2	-40660	1,5
109	8	SLE Rare	-971	-9,3	-50130	231,3	-24270	1,4
110	8	SLE Rare	4171,2	-17,4	-50960	435,4	104300	73,3
111	8	SLE Rare	4170,7	-17,2	-50410	431,0	104300	73,3
112	8	SLE Rare	6942,9	-26,4	-50820	659,9	173600	121,3
113	8	SLE Rare	254,2	-1,7	-50370	41,7	6355,3	17,4
114	8	SLE Rare	253,7	-1,5	-49820	37,3	6342,8	17,4
115	8	SLE Rare	414,5	-0,2	-49840	3,8	10360	28,1
116	8	SLE Rare	-729,3	-7,4	-50710	185,3	-18230	17,5
117	8	SLE Rare	-1385,3	-11,1	-50540	277,9	-34630	17,6
118	8	SLE Rare	-729,8	-7,2	-50170	181,0	-18240	17,5
119	8	SLE Rare	-568,9	-5,9	-50190	147,4	-14220	28,2
120	8	SLE Rare	4412,4	-15,4	-50990	385,0	110300	89,4
121	8	SLE Rare	4411,9	-15,2	-50440	380,7	110300	89,4
122	8	SLE Rare	7184,1	-24,4	-50860	609,6	179600	137,4
123	8	SLE Rare	4572,8	-13,9	-50460	347,1	114300	100,1
124	8	SLE Rare	-252,1	-4,8	-50320	118,8	-6303,5	-5,9
125	8	SLE Rare	-252,6	-4,6	-49770	114,4	-6315,9	-5,9
126	8	SLE Rare	-429,4	-5,3	-49760	132,2	-10730	-10,7
127	8	SLE Rare	-1235,6	-10,5	-50670	262,4	-30890	-5,8
128	8	SLE Rare	-1891,6	-14,2	-50490	354,9	-47290	-5,7
129	8	SLE Rare	-1236,1	-10,3	-50120	258,1	-30900	-5,8
130	8	SLE Rare	-1412,9	-11,0	-50110	275,9	-35320	-10,6
131	8	SLE Rare	3906,1	-18,5	-50940	462,1	97650	66,1
132	8	SLE Rare	3905,6	-18,3	-50390	457,8	97640	66,1
133	8	SLE Rare	6677,8	-27,5	-50810	686,7	166900	114,1
134	8	SLE Rare	3728,9	-19,0	-50380	475,6	93220	61,3
135	8	SLE Rare	13,4	325,5	-50370	-8138,4	334,5	19,0
136	8	SLE Rare	12,9	325,7	-49820	-8142,8	322,1	18,9
137	8	SLE Rare	13,2	545,2	-49850	-13630	328,9	30,7
138	8	SLE Rare	-970,1	319,8	-50720	-7994,8	-24250	19,1
139	8	SLE Rare	-1626,1	316,1	-50550	-7902,3	-40650	19,1
140	8	SLE Rare	-970,6	320,0	-50170	-7999,1	-24260	19,0
141	8	SLE Rare	-970,3	539,4	-50190	-13490	-24260	30,8
142	8	SLE Rare	4171,6	311,8	-50990	-7795,1	104300	91,0
143	8	SLE Rare	4171,1	312,0	-50440	-7799,4	104300	90,9
144	8	SLE Rare	6943,3	302,8	-50860	-7570,5	173600	138,9
145	8	SLE Rare	4171,4	531,5	-50470	-13290	104300	102,7
146	8	SLE Rare	13,1	-311,4	-50340	7785,6	326,4	-20,7
147	8	SLE Rare	12,6	-311,3	-49790	7781,2	314,0	-20,7
148	8	SLE Rare	12,6	-516,4	-49790	12910	315,3	-35,4
149	8	SLE Rare	-970,4	-317,2	-50690	7929,3	-24260	-20,6
150	8	SLE Rare	-1626,4	-320,9	-50510	8021,8	-40660	-20,5
151	8	SLE Rare	-970,9	-317	-50140	7924,9	-24270	-20,6

152	8	SLE Rare	-970,9	-522,2	-50140	13050	-24270	-35,3
153	8	SLE Rare	4171,3	-325,2	-50960	8129,0	104300	51,3
154	8	SLE Rare	4170,8	-325,0	-50410	8124,6	104300	51,3
155	8	SLE Rare	6942,9	-334,1	-50830	8353,5	173600	99,3
156	8	SLE Rare	4170,8	-530,2	-50420	13250	104300	36,6
157	8	SLE Freq.	12,5	-3,5	-49780	87,6	312,0	1,3
158	8	SLE Freq.	-807,3	-8,2	-49880	205,9	-20180	1,4
159	8	SLE Freq.	3477,7	-15,0	-50300	373,8	86940	61,3
160	8	SLE Freq.	92,9	-2,8	-49800	70,9	2322,3	6,6
161	8	SLE Freq.	-75,9	-3,9	-49780	96,6	-1897,3	-1,1
162	8	SLE Freq.	12,6	106,2	-49800	-2655,8	315,4	7,2
163	8	SLE Freq.	12,5	-106,1	-49790	2652,2	312,6	-6,1
164	8	SLE Quasi P.	12,5	-3,5	-49780	87,6	312,0	1,3
165	8	SLU A1 sism.	6360,2	3006,2	-50860	-75160	159000	10070
166	8	SLU A1 sism.	6372,8	-1092,1	-50820	27300	159300	4792,6
167	8	SLU A1 sism.	-6347,8	1085,1	-48750	-27130	-158700	-4790,1
168	8	SLU A1 sism.	-6335,3	-3013,2	-48710	75330	-158400	-10060
169	8	SLU A1 sism.	6373,5	2727,2	-50860	-68180	159300	5180,1
170	8	SLU A1 sism.	6359,5	-813,1	-50820	20330	159000	9679,6
171	8	SLU A1 sism.	-6334,5	806,1	-48750	-20150	-158400	-9677,0
172	8	SLU A1 sism.	-6348,6	-2734,2	-48710	68360	-158700	-5177,5
173	8	SLU A1 sism.	6352,3	1075,3	-50870	-26880	158800	-4858,9
174	8	SLU A1 sism.	6364,8	-3023,0	-50830	75580	159100	-10130
175	8	SLU A1 sism.	-6339,9	3016,0	-48740	-75400	-158500	10140
176	8	SLU A1 sism.	-6327,3	-1082,3	-48700	27060	-158200	4861,4
177	8	SLU A1 sism.	6365,6	796,3	-50870	-19910	159100	-9745,9
178	8	SLU A1 sism.	6351,5	-2744,0	-50830	68600	158800	-5246,3
179	8	SLU A1 sism.	-6326,6	2737,0	-48740	-68420	-158200	5248,9
180	8	SLU A1 sism.	-6340,6	-803,3	-48700	20080	-158500	9748,4
181	8	SLU A1 sism.	1897,7	7115,2	-50160	-177900	47440	11020
182	8	SLU A1 sism.	1939,7	-6545,9	-50040	163600	48490	-6560,8
183	8	SLU A1 sism.	-1914,7	6538,9	-49530	-163500	-47870	6563,4
184	8	SLU A1 sism.	-1872,8	-7122,3	-49410	178100	-46820	-11020
185	8	SLU A1 sism.	1895,3	6536,0	-50160	-163400	47380	6542,7
186	8	SLU A1 sism.	1937,3	-7125,2	-50050	178100	48430	-11040
187	8	SLU A1 sism.	-1912,3	7118,2	-49520	-178000	-47810	11040
188	8	SLU A1 sism.	-1870,4	-6543,0	-49410	163600	-46760	-6540,2
189	8	SLU A1 sism.	1942,1	6185,1	-50160	-154600	48550	-5269,4
190	8	SLU A1 sism.	1895,3	-5615,8	-50040	140400	47380	9729,1
191	8	SLU A1 sism.	-1870,3	5608,8	-49530	-140200	-46760	-9726,5
192	8	SLU A1 sism.	-1917,1	-6192,1	-49410	154800	-47930	5271,9
193	8	SLU A1 sism.	1939,7	5605,9	-50160	-140100	48490	-9747,2
194	8	SLU A1 sism.	1892,9	-6195,1	-50050	154900	47320	5251,3
195	8	SLU A1 sism.	-1867,9	6188,1	-49520	-154700	-46700	-5248,8
196	8	SLU A1 sism.	-1914,8	-5612,9	-49410	140300	-47870	9749,7

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali

Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		cm	daN	daN	daN cm				
36	8	0	-51390,7	10770,0	269249,4	0,081	0,215	0,283	Ok
75	8	0	-66532,9	6272,4	156811,1	0,044	0,278	0,165	Ok
35	8	0	-66326,0	10773,7	269343	0,076	0,277	0,283	Ok
36	8	-53,3	-51093,8	974,3	621949,9	0,186	0,213	0,026	Ok
75	8	-53,3	-66148,5	567,4	362224,2	0,103	0,276	0,015	Ok
35	8	-53,3	-65942,8	974,6	622166,3	0,177	0,275	0,026	Ok
36	8	-106,7	-50889,8	1899,1	673911,4	0,202	0,213	0,050	Ok
75	8	-106,7	-65884,4	1106,0	392486,6	0,112	0,275	0,029	Ok
35	8	-106,7	-65679,5	1899,7	674145,8	0,192	0,274	0,050	Ok
36	8	-160	-50726,2	2246,8	572628	0,172	0,212	0,059	Ok
75	8	-160	-65672,7	1308,5	333499,1	0,095	0,274	0,034	Ok
35	8	-160	-65468,4	2247,6	572827,3	0,163	0,274	0,059	Ok
36	8	-213,3	-50647,7	1978,6	452797,8	0,136	0,212	0,052	Ok
75	8	-213,3	-65571,0	1152,4	263709,8	0,075	0,274	0,030	Ok
35	8	-213,3	-65367,1	1979,3	452955,3	0,129	0,273	0,052	Ok
36	8	-266,7	-50602,3	1853,4	347271,1	0,104	0,211	0,049	Ok
75	8	-266,7	-65512,3	1079,4	202251	0,058	0,274	0,028	Ok
35	8	-266,7	-65308,6	1854,0	347391,9	0,099	0,273	0,049	Ok
36	8	-320	-50540,0	1578,5	248423,8	0,075	0,211	0,041	Ok
75	8	-320	-65431,6	919,3	144682,2	0,041	0,273	0,024	Ok
35	8	-320	-65228,1	1579,1	248510,2	0,071	0,272	0,041	Ok
36	8	-373,3	-50466,5	1259,5	164237	0,049	0,211	0,033	Ok
75	8	-373,3	-65336,4	733,6	95651,8	0,027	0,273	0,019	Ok
35	8	-373,3	-65133,2	1260,0	164294,1	0,047	0,272	0,033	Ok
36	8	-426,7	-50387,3	955,6	97061,6	0,029	0,210	0,025	Ok
75	8	-426,7	-65233,9	556,5	56528,7	0,016	0,273	0,015	Ok
35	8	-426,7	-65031,0	955,9	97095,3	0,028	0,272	0,025	Ok
36	8	-480	-50302,7	684,7	46098,6	0,014	0,210	0,018	Ok
75	8	-480	-65124,3	398,8	26847,9	0,008	0,272	0,010	Ok
35	8	-480	-64921,8	684,9	46114,6	0,013	0,271	0,018	Ok
36	8	-533,3	-50212,8	456,3	9581,8	0,003	0,210	0,012	Ok
75	8	-533,3	-65008,0	265,7	5580,4	0,002	0,272	0,007	Ok
35	8	-533,3	-64805,8	456,4	9585,1	0,003	0,271	0,012	Ok
36	8	-586,7	-50117,8	273,1	14753,1	0,004	0,209	0,007	Ok
75	8	-586,7	-64885,1	159,1	8592,2	0,002	0,271	0,004	Ok
35	8	-586,7	-64683,3	273,2	14758,2	0,004	0,270	0,007	Ok
36	8	-640	-50018,0	133,5	29318,7	0,009	0,209	0,004	Ok
75	8	-640	-64755,7	77,7	17075,2	0,005	0,271	0,002	Ok
35	8	-640	-64554,4	133,5	29328,9	0,008	0,270	0,004	Ok
36	8	-693,3	-49913,3	32,9	36436,9	0,011	0,209	0,001	Ok
75	8	-693,3	-64620,3	19,2	21220,9	0,006	0,270	0,001	Ok
35	8	-693,3	-64419,3	32,9	36449,6	0,010	0,269	0,001	Ok
36	8	-746,7	-49804,1	34,6	38190,7	0,012	0,208	0,001	Ok
75	8	-746,7	-64478,9	20,1	22242,3	0,006	0,269	0,001	Ok
35	8	-746,7	-64278,4	34,6	38204,0	0,011	0,269	0,001	Ok
36	8	-800	-49690,5	75,4	36345,9	0,011	0,208	0,002	Ok
75	8	-800	-64331,8	43,9	21167,9	0,006	0,269	0,001	Ok
35	8	-800	-64131,7	75,4	36358,6	0,010	0,268	0,002	Ok
36	8	-853,3	-49572,6	95,7	32326,1	0,010	0,207	0,003	Ok
75	8	-853,3	-64179,1	55,7	18826,8	0,005	0,268	0,001	Ok
35	8	-853,3	-63979,6	95,7	32337,4	0,009	0,267	0,003	Ok
36	8	-906,7	-49450,6	101,2	27222,5	0,008	0,207	0,003	Ok

75	8	-906,7	-64021,2	58,9	15854,4	0,005	0,267	0,002	Ok
35	8	-906,7	-63822,1	101,2	27232,0	0,008	0,267	0,003	Ok
36	8	-960	-49324,7	96,6	21826,7	0,007	0,206	0,003	Ok
75	8	-960	-63858,3	56,3	12711,9	0,004	0,267	0,001	Ok
35	8	-960	-63659,7	96,6	21834,3	0,006	0,266	0,003	Ok
36	8	-1013,3	-49195,1	85,8	16675,3	0,005	0,206	0,002	Ok
75	8	-1013,3	-63690,4	50,0	9711,7	0,003	0,266	0,001	Ok
35	8	-1013,3	-63492,4	85,9	16681,1	0,005	0,265	0,002	Ok
36	8	-1066,7	-49061,9	71,8	12098,2	0,004	0,205	0,002	Ok
75	8	-1066,7	-63517,9	41,8	7046,0	0,002	0,265	0,001	Ok
35	8	-1066,7	-63320,4	71,9	12102,4	0,003	0,265	0,002	Ok
36	8	-1120	-48925,2	56,9	8266,3	0,002	0,204	0,001	Ok
75	8	-1120	-63341,0	33,1	4814,3	0,001	0,265	0,001	Ok
35	8	-1120	-63144,1	56,9	8269,2	0,002	0,264	0,001	Ok
36	8	-1173,3	-48785,3	42,4	5234,0	0,002	0,204	0,001	Ok
75	8	-1173,3	-63159,9	24,7	3048,3	0,001	0,264	0,001	Ok
35	8	-1173,3	-62963,5	42,4	5235,8	0,002	0,263	0,001	Ok
36	8	-1226,7	-48642,3	29,3	2975,1	0,001	0,203	0,001	Ok
75	8	-1226,7	-62974,8	17,1	1732,7	0,000	0,263	0,000	Ok
35	8	-1226,7	-62778,9	29,3	2976,2	0,001	0,262	0,001	Ok
36	8	-1280	-48496,4	18,3	1412,1	0,000	0,203	0,000	Ok
75	8	-1280	-62785,8	10,6	822,4	0,000	0,262	0,000	Ok
35	8	-1280	-62590,5	18,3	1412,6	0,000	0,261	0,000	Ok
36	8	-1333,3	-48347,6	9,5	437,2	0,000	0,202	0,000	Ok
75	8	-1333,3	-62593,2	5,6	254,6	0,000	0,261	0,000	Ok
35	8	-1333,3	-62398,6	9,6	437,3	0,000	0,261	0,000	Ok
36	8	-1386,7	-48196,3	3,2	72,1	0,000	0,201	0,000	Ok
75	8	-1386,7	-62397,3	1,9	42,0	0,000	0,261	0,000	Ok
35	8	-1386,7	-62203,2	3,2	72,1	0,000	0,260	0,000	Ok
36	8	-1440	-48042,5	0,7	243,5	0,000	0,201	0,000	Ok
75	8	-1440	-62198,2	0,4	141,8	0,000	0,260	0,000	Ok
35	8	-1440	-62004,7	0,7	243,6	0,000	0,259	0,000	Ok
36	8	-1493,3	-47886,3	2,3	204,8	0,000	0,200	0,000	Ok
75	8	-1493,3	-61996,0	1,3	119,3	0,000	0,259	0,000	Ok
35	8	-1493,3	-61803,2	2,3	204,9	0,000	0,258	0,000	Ok
36	8	-1546,7	-47728,1	1,5	82,1	0,000	0,199	0,000	Ok
75	8	-1546,7	-61791,1	0,9	47,8	0,000	0,258	0,000	Ok
35	8	-1546,7	-61599,0	1,5	82,2	0,000	0,257	0,000	Ok
180	8	-1600	-45229,6	0,9	0	0	0,189	0,000	Ok
75	8	-1600	-61791,1	0,9	0	0	0,258	0,000	Ok
35	8	-1600	-61599,0	1,5	0	0	0,257	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
8	36	8	-106,7	-50889,8	1899,1	673911,4	0,202	0,213	0,050
8	75	8	0	-66532,9	6272,4	156811,1	0,044	0,278	0,165
8	35	8	0	-66326,0	10773,7	269343	0,076	0,277	0,283

S/Su massime:
Ver. N/M = 0,202 < 1 Ok
Ver. (25) = 0,278 < 1 Ok
Ver. V = 0,283 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq

Tensione lim. acciaio = 3600 daN/cmq

Cmb.	Palo	Quota	N	M	Tens. A	Tens. C	Stato
		cm	daN	daN cm	daN/cmq	daN/cmq	
122	8	0	-50855,3	179603,7	-311,9	-22,5	Ok
122	8	-53,3	-50561,5	414873,7	-415,4	-31,6	Ok
122	8	-106,7	-50359,6	449534,8	-430,5	-32,9	Ok
122	8	-160	-50197,7	381973,4	-399,1	-30,2	Ok
122	8	-213,3	-50120,0	302040,2	-363,1	-27,0	Ok
122	8	-266,7	-50075,2	231648,3	-331,5	-24,3	Ok
122	8	-320	-50013,5	165711,9	-301,8	-21,7	Ok
122	8	-373,3	-49940,7	109554,8	-276,5	-19,5	Ok
122	8	-426,7	-49862,3	64745,2	-256,1	-17,7	Ok
122	8	-480	-49778,6	30750,2	-240,6	-16,3	Ok
122	8	-533,3	-49689,7	6391,6	-229,4	-15,4	Ok
122	8	-586,7	-49595,7	9841,1	-230,5	-15,5	Ok
122	8	-640	-49496,9	19557,1	-234,3	-15,8	Ok
122	8	-693,3	-49393,3	24305,4	-236,0	-16,0	Ok
122	8	-746,7	-49285,2	25475,2	-236,0	-16,0	Ok
122	8	-800	-49172,8	24244,7	-235,0	-15,9	Ok
122	8	-853,3	-49056,1	21563,2	-233,2	-15,7	Ok
122	8	-906,7	-48935,4	18158,9	-231,2	-15,6	Ok
122	8	-960	-48810,9	14559,6	-229,0	-15,4	Ok
122	8	-1013,3	-48682,6	11123,3	-226,9	-15,2	Ok
122	8	-1066,7	-48550,7	8070,1	-224,9	-15,1	Ok
122	8	-1120	-48415,5	5514,1	-223,2	-14,9	Ok
122	8	-1173,3	-48277,1	3491,3	-221,6	-14,8	Ok
142	8	-1226,7	-48266,1	1155,6	-220,0	-14,7	Ok
142	8	-1280	-48121,3	548,5	-219,4	-14,6	Ok
142	8	-1333,3	-47973,7	169,8	-218,7	-14,6	Ok
142	8	-1386,7	-47823,5	28,0	-218,0	-14,5	Ok
142	8	-1440	-47670,9	94,6	-217,3	-14,5	Ok
142	8	-1493,3	-47516,0	79,5	-216,6	-14,4	Ok
142	8	-1546,7	-47358,9	31,9	-215,9	-14,4	Ok
142	8	-1600	-47358,9	0	-215,9	-14,4	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. A	Tens. C
			cm	daN	daN cm	daN/cmq	daN/cmq
8	122	8	-106,7	-50359,6	449534,8	-430,5	-32,9

Valori massimi SLE condizioni rare:
Ten.massima CLS = 32,9 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = -430,5 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	Palo	Quota	N	M	Wk	Stato
		cm	daN	daN cm	mm	
159	8	0	-50302,1	86942,7	0	Ok
159	8	-53,3	-50011,4	200832,4	0	Ok
159	8	-106,7	-49811,8	217611,1	0	Ok
159	8	-160	-49651,7	184906	0	Ok
159	8	-213,3	-49574,8	146211,9	0	Ok
159	8	-266,7	-49530,4	112136,5	0	Ok
159	8	-320	-49469,4	80217,9	0	Ok
159	8	-373,3	-49397,4	53033,4	0	Ok
159	8	-426,7	-49319,9	31341,9	0	Ok
159	8	-480	-49237,1	14885,6	0	Ok
159	8	-533,3	-49149,1	3094,0	0	Ok

159	8	-586,7	-49056,2	4763,9	0	Ok
159	8	-640	-48958,4	9467,2	0	Ok
159	8	-693,3	-48856,0	11765,8	0	Ok
159	8	-746,7	-48749,1	12332,1	0	Ok
159	8	-800	-48637,9	11736,4	0	Ok
159	8	-853,3	-48522,5	10438,4	0	Ok
159	8	-906,7	-48403,1	8790,4	0	Ok
159	8	-960	-48279,9	7048,0	0	Ok
159	8	-1013,3	-48153,0	5384,6	0	Ok
159	8	-1066,7	-48022,6	3906,6	0	Ok
159	8	-1120	-47888,8	2669,3	0	Ok
159	8	-1173,3	-47751,9	1690,1	0	Ok
159	8	-1226,7	-47611,9	960,7	0	Ok
159	8	-1280	-47469,0	456,0	0	Ok
159	8	-1333,3	-47323,5	141,2	0	Ok
159	8	-1386,7	-47175,3	23,3	0	Ok
159	8	-1440	-47024,8	78,6	0	Ok
159	8	-1493,3	-46871,9	66,1	0	Ok
159	8	-1546,7	-46717,0	26,5	0	Ok
159	8	-1600	-46717,0	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
8	159	8	-106,7	-49811,8	217611,1	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	8	0	-49784,5	324,1	-15,1	0	Ok
164	8	-53,3	-49496,8	748,5	-15,0	0	Ok
164	8	-106,7	-49299,2	811,1	-15,0	0	Ok
164	8	-160	-49140,8	689,2	-14,9	0	Ok
164	8	-213,3	-49064,7	545,0	-14,9	0	Ok
164	8	-266,7	-49020,8	418,0	-14,9	0	Ok
164	8	-320	-48960,4	299,0	-14,9	0	Ok
164	8	-373,3	-48889,1	197,7	-14,9	0	Ok
164	8	-426,7	-48812,4	116,8	-14,8	0	Ok
164	8	-480	-48730,5	55,5	-14,8	0	Ok
164	8	-533,3	-48643,4	11,5	-14,8	0	Ok
164	8	-586,7	-48551,4	17,8	-14,8	0	Ok
164	8	-640	-48454,7	35,3	-14,7	0	Ok
164	8	-693,3	-48353,3	43,9	-14,7	0	Ok
164	8	-746,7	-48247,5	46,0	-14,7	0	Ok
164	8	-800	-48137,4	43,7	-14,6	0	Ok
164	8	-853,3	-48023,2	38,9	-14,6	0	Ok
164	8	-906,7	-47905,0	32,8	-14,6	0	Ok
164	8	-960	-47783,1	26,3	-14,5	0	Ok
164	8	-1013,3	-47657,5	20,1	-14,5	0	Ok
164	8	-1066,7	-47528,5	14,6	-14,4	0	Ok
164	8	-1120	-47396,1	9,9	-14,4	0	Ok
164	8	-1173,3	-47260,5	6,3	-14,4	0	Ok
164	8	-1226,7	-47122,0	3,6	-14,3	0	Ok
164	8	-1280	-46980,6	1,7	-14,3	0	Ok

164	8	-1333,3	-46836,5	0,5	-14,2	0	Ok
164	8	-1386,7	-46689,9	0,1	-14,2	0	Ok
164	8	-1440	-46540,9	0,3	-14,1	0	Ok
164	8	-1493,3	-46389,6	0,2	-14,1	0	Ok
164	8	-1546,7	-46236,3	0,1	-14,1	0	Ok
164	8	-1600	-46236,3	0	-14,1	0	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. C	Wk
			cm	daN	daN cm	daN/cmq	mm
8	164	8	0	-49784,5	324,1	-15,1	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 15,1 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 9

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	Plin.	Tipo	Vx	Vy	N	Mx	My	T
			daN	daN	daN	daN cm	daN cm	daN cm
1	9	SLU STR.	44,5	3,9	-61550	-96,9	1112,9	48,8
2	9	SLU STR.	34,6	3,0	-47450	-75,8	865,2	38,2
3	9	SLU STR.	42,9	3,7	-61090	-91,5	1073,4	46,1
4	9	SLU STR.	33,0	2,8	-46990	-70,4	825,7	35,5
5	9	SLU STR.	-5198,2	-4,3	-61730	107,1	-130000	50,8
6	9	SLU STR.	-5208,1	-5,1	-47630	128,2	-130200	40,2
7	9	SLU STR.	-8694,6	-9,9	-61520	247,0	-217400	50,1
8	9	SLU STR.	-8704,5	-10,7	-47430	268,1	-217600	39,5
9	9	SLU STR.	-5199,8	-4,5	-61270	112,4	-130000	48,1
10	9	SLU STR.	-5209,7	-5,3	-47180	133,5	-130200	37,5
11	9	SLU STR.	22080	94,5	-60660	-2361,5	551900	426,2
12	9	SLU STR.	22070	93,6	-46570	-2340,4	551700	415,5
13	9	SLU STR.	22080	94,3	-60210	-2356,2	551900	423,5
14	9	SLU STR.	22070	93,4	-46110	-2335,1	551600	412,8
15	9	SLU STR.	36760	154,6	-59620	-3865,9	919100	675,1
16	9	SLU STR.	36750	153,8	-45520	-3844,8	918800	664,4
17	9	SLU STR.	407,3	15,1	-61680	-378	10180	73,8
18	9	SLU STR.	397,3	14,3	-47580	-356,9	9933,6	63,2
19	9	SLU STR.	405,7	14,9	-61230	-372,6	10140	71,1
20	9	SLU STR.	395,8	14,1	-47130	-351,5	9894,0	60,4
21	9	SLU STR.	647,5	22,4	-61320	-560,1	16190	87,7
22	9	SLU STR.	637,6	21,6	-47220	-538,9	15940	77,1
23	9	SLU STR.	-4835,5	7,0	-61860	-174,1	-120900	75,8
24	9	SLU STR.	-4845,4	6,1	-47770	-152,9	-121100	65,2
25	9	SLU STR.	-8331,8	1,4	-61660	-34,1	-208300	75,1
26	9	SLU STR.	-8341,7	0,5	-47560	-13,0	-208500	64,5
27	9	SLU STR.	-4837,1	6,8	-61410	-168,7	-120900	73,1
28	9	SLU STR.	-4847,0	5,9	-47310	-147,6	-121200	62,4
29	9	SLU STR.	-4595,3	14,2	-61500	-356,1	-114900	89,7
30	9	SLU STR.	-4605,2	13,4	-47400	-335,0	-115100	79,1
31	9	SLU STR.	22440	105,7	-60800	-2642,7	561000	451,2

32	9	SLU STR.	22430	104,9	-46700	-2621,5	560700	440,5
33	9	SLU STR.	22440	105,5	-60340	-2637,3	561000	448,5
34	9	SLU STR.	22430	104,7	-46250	-2616,2	560700	437,8
35	9	SLU STR.	37130	165,9	-59760	-4147,1	928200	700,0
36	9	SLU STR.	37120	165,0	-45660	-4125,9	927900	689,4
37	9	SLU STR.	22680	113,0	-60440	-2824,7	567000	465,1
38	9	SLU STR.	22670	112,1	-46340	-2803,6	566700	454,5
39	9	SLU STR.	-356,5	-1,0	-61330	24,1	-8912,8	40,3
40	9	SLU STR.	-366,4	-1,8	-47240	45,2	-9160,5	29,7
41	9	SLU STR.	-358,1	-1,2	-60880	29,4	-8952,3	37,6
42	9	SLU STR.	-368	-2,0	-46780	50,6	-9200,0	27,0
43	9	SLU STR.	-625,4	-4,4	-60740	110,1	-15640	31,9
44	9	SLU STR.	-635,4	-5,3	-46640	131,2	-15880	21,3
45	9	SLU STR.	-5599,3	-9,1	-61520	228,0	-140000	42,3
46	9	SLU STR.	-5609,2	-10,0	-47420	249,2	-140200	31,7
47	9	SLU STR.	-9095,6	-14,7	-61310	368,0	-227400	41,6
48	9	SLU STR.	-9105,5	-15,6	-47210	389,1	-227600	31,0
49	9	SLU STR.	-5600,8	-9,3	-61060	233,4	-140000	39,6
50	9	SLU STR.	-5610,8	-10,2	-46960	254,5	-140300	29,0
51	9	SLU STR.	-5868,2	-12,6	-60920	314,0	-146700	33,9
52	9	SLU STR.	-5878,1	-13,4	-46820	335,2	-147000	23,3
53	9	SLU STR.	21680	89,6	-60450	-2240,6	541900	417,7
54	9	SLU STR.	21670	88,8	-46350	-2219,4	541600	407,1
55	9	SLU STR.	21670	89,4	-60000	-2235,2	541900	415,0
56	9	SLU STR.	21660	88,6	-45900	-2214,1	541600	404,3
57	9	SLU STR.	36360	149,8	-59410	-3745,0	909100	666,6
58	9	SLU STR.	36350	149,0	-45310	-3723,9	908800	655,9
59	9	SLU STR.	21410	86,2	-59860	-2154,6	535200	409,3
60	9	SLU STR.	21400	85,3	-45760	-2133,4	534900	398,7
61	9	SLU STR.	45,6	507,7	-61550	-12690	1139,7	75,0
62	9	SLU STR.	35,7	506,8	-47450	-12670	892,0	64,3
63	9	SLU STR.	44,0	507,5	-61090	-12690	1100,2	72,2
64	9	SLU STR.	34,1	506,6	-47000	-12670	852,5	61,6
65	9	SLU STR.	44,7	843,3	-61100	-21080	1118,1	89,7
66	9	SLU STR.	34,8	842,5	-47000	-21060	870,4	79,0
67	9	SLU STR.	-5197,2	499,5	-61730	-12490	-129900	76,9
68	9	SLU STR.	-5207,1	498,7	-47630	-12470	-130200	66,3
69	9	SLU STR.	-8693,5	493,9	-61530	-12350	-217300	76,3
70	9	SLU STR.	-8703,4	493,1	-47430	-12330	-217600	65,6
71	9	SLU STR.	-5198,7	499,3	-61280	-12480	-130000	74,2
72	9	SLU STR.	-5208,7	498,5	-47180	-12460	-130200	63,6
73	9	SLU STR.	-5198,0	835,2	-61280	-20880	-130000	91,7
74	9	SLU STR.	-5207,9	834,3	-47180	-20860	-130200	81,0
75	9	SLU STR.	22080	598,3	-60670	-14960	551900	452,3
76	9	SLU STR.	22070	597,4	-46570	-14940	551700	441,7
77	9	SLU STR.	22080	598,0	-60210	-14950	551900	449,6
78	9	SLU STR.	22070	597,2	-46120	-14930	551700	439,0
79	9	SLU STR.	36760	658,4	-59630	-16460	919100	701,2
80	9	SLU STR.	36750	657,6	-45530	-16440	918900	690,6
81	9	SLU STR.	22080	933,9	-60220	-23350	551900	467,1
82	9	SLU STR.	22070	933,1	-46120	-23330	551700	456,4
83	9	SLU STR.	45,0	-470,3	-61550	11760	1125,9	15,6
84	9	SLU STR.	35,1	-471,1	-47450	11780	878,2	4,9
85	9	SLU STR.	43,5	-470,5	-61090	11760	1086,4	12,9
86	9	SLU STR.	33,6	-471,3	-46990	11780	838,7	2,2
87	9	SLU STR.	43,8	-786,6	-61090	19660	1095,1	-9,3
88	9	SLU STR.	33,9	-787,4	-47000	19690	847,4	-20,0

89	9	SLU STR.	-5197,7	-478,4	-61730	11960	-129900	17,6
90	9	SLU STR.	-5207,6	-479,3	-47630	11980	-130200	6,9
91	9	SLU STR.	-8694,0	-484,0	-61530	12100	-217400	16,9
92	9	SLU STR.	-8704,0	-484,9	-47430	12120	-217600	6,2
93	9	SLU STR.	-5199,3	-478,6	-61270	11970	-130000	14,8
94	9	SLU STR.	-5209,2	-479,5	-47180	11990	-130200	4,2
95	9	SLU STR.	-5198,9	-794,7	-61280	19870	-130000	-7,3
96	9	SLU STR.	-5208,9	-795,6	-47180	19890	-130200	-18,0
97	9	SLU STR.	22080	-379,7	-60670	9492,1	551900	392,9
98	9	SLU STR.	22070	-380,5	-46570	9513,2	551700	382,3
99	9	SLU STR.	22080	-379,9	-60210	9497,4	551900	390,2
100	9	SLU STR.	22070	-380,7	-46110	9518,5	551600	379,6
101	9	SLU STR.	36760	-319,5	-59620	7987,6	919100	641,8
102	9	SLU STR.	36750	-320,4	-45530	8008,8	918900	631,2
103	9	SLU STR.	22080	-696,0	-60210	17400	551900	368,1
104	9	SLU STR.	22070	-696,8	-46110	17420	551700	357,4
105	9	SLE Rare	34,1	3,0	-47300	-74,0	852,0	37,3
106	9	SLE Rare	33,0	2,8	-46990	-70,4	825,7	35,5
107	9	SLE Rare	-3461,1	-2,5	-47420	62,0	-86530	38,6
108	9	SLE Rare	-5792,0	-6,2	-47280	155,3	-144800	38,1
109	9	SLE Rare	-3462,1	-2,6	-47110	65,6	-86550	36,8
110	9	SLE Rare	14720	63,4	-46710	-1583,7	368100	288,9
111	9	SLE Rare	14720	63,2	-46410	-1580,2	368000	287,0
112	9	SLE Rare	24510	103,5	-46010	-2586,7	612800	454,8
113	9	SLE Rare	275,9	10,5	-47390	-261,4	6897,6	53,9
114	9	SLE Rare	274,9	10,3	-47080	-257,8	6871,2	52,1
115	9	SLE Rare	436,1	15,3	-47140	-382,8	10900	63,2
116	9	SLE Rare	-3219,3	5,0	-47510	-125,4	-80480	55,3
117	9	SLE Rare	-5550,2	1,3	-47370	-32,1	-138800	54,8
118	9	SLE Rare	-3220,3	4,9	-47210	-121,9	-80510	53,4
119	9	SLE Rare	-3059,1	9,9	-47270	-246,8	-76480	64,6
120	9	SLE Rare	14960	70,9	-46800	-1771,2	374100	305,5
121	9	SLE Rare	14960	70,7	-46500	-1767,6	374100	303,7
122	9	SLE Rare	24760	111,0	-46100	-2774,1	618900	471,4
123	9	SLE Rare	15120	75,7	-46560	-1892,5	378100	314,8
124	9	SLE Rare	-233,3	-0,3	-47150	6,7	-5831,8	31,6
125	9	SLE Rare	-234,3	-0,4	-46850	10,2	-5858,1	29,8
126	9	SLE Rare	-412,6	-2,6	-46760	64	-10310	26,0
127	9	SLE Rare	-3728,4	-5,7	-47280	142,6	-93210	32,9
128	9	SLE Rare	-6059,3	-9,4	-47140	235,9	-151500	32,5
129	9	SLE Rare	-3729,5	-5,9	-46970	146,2	-93240	31,1
130	9	SLE Rare	-3907,7	-8	-46880	200,0	-97690	27,4
131	9	SLE Rare	14450	60,1	-46570	-1503,1	361400	283,2
132	9	SLE Rare	14450	60,0	-46260	-1499,5	361300	281,4
133	9	SLE Rare	24250	100,2	-45870	-2506,0	606200	449,1
134	9	SLE Rare	14280	57,8	-46170	-1445,8	356900	277,6
135	9	SLE Rare	34,8	338,8	-47300	-8470,6	869,9	54,7
136	9	SLE Rare	33,7	338,7	-47000	-8467,0	843,6	52,9
137	9	SLE Rare	34,2	562,6	-47000	-14060	855,5	64,5
138	9	SLE Rare	-3460,4	333,4	-47420	-8334,6	-86510	56,0
139	9	SLE Rare	-5791,3	329,7	-47280	-8241,3	-144800	55,6
140	9	SLE Rare	-3461,4	333,2	-47120	-8331,0	-86540	54,2
141	9	SLE Rare	-3461,0	557,2	-47120	-13930	-86520	65,8
142	9	SLE Rare	14720	399,2	-46710	-9980,3	368100	306,3
143	9	SLE Rare	14720	399,1	-46410	-9976,8	368000	304,5
144	9	SLE Rare	24510	439,3	-46020	-10980	612900	472,2
145	9	SLE Rare	14720	623,0	-46410	-15570	368100	316,1

146	9	SLE Rare	34,4	-313,1	-47300	7828,4	860,7	15,1
147	9	SLE Rare	33,4	-313,3	-46990	7832,0	834,4	13,3
148	9	SLE Rare	33,6	-524,0	-46990	13100	840,1	-1,5
149	9	SLE Rare	-3460,7	-318,6	-47420	7964,4	-86520	16,4
150	9	SLE Rare	-5791,6	-322,3	-47280	8057,7	-144800	16,0
151	9	SLE Rare	-3461,8	-318,7	-47120	7967,9	-86540	14,6
152	9	SLE Rare	-3461,6	-529,5	-47120	13240	-86540	-0,2
153	9	SLE Rare	14720	-252,8	-46710	6318,7	368100	266,7
154	9	SLE Rare	14720	-252,9	-46410	6322,2	368000	264,9
155	9	SLE Rare	24510	-212,6	-46010	5315,7	612800	432,6
156	9	SLE Rare	14720	-463,6	-46410	11590	368000	250,1
157	9	SLE Freq.	33,0	2,8	-46990	-70,4	825,7	35,5
158	9	SLE Freq.	-2880,0	-1,8	-46980	44,1	-72000	36,0
159	9	SLE Freq.	12270	53,1	-46500	-1328,5	306800	245,1
160	9	SLE Freq.	113,6	5,3	-47020	-132,9	2840,9	41,0
161	9	SLE Freq.	-56,1	1,7	-46950	-43,5	-1402,3	33,6
162	9	SLE Freq.	33,3	114,8	-46990	-2869,3	831,6	41,3
163	9	SLE Freq.	33,1	-102,6	-46990	2563,7	828,6	28,1
164	9	SLE Quasi P.	33,0	2,8	-46990	-70,4	825,7	35,5
165	9	SLU A1 sism.	6373,5	6108,5	-51000	-152700	159300	10060
166	9	SLU A1 sism.	6386,0	654,2	-50960	-16360	159700	4828,4
167	9	SLU A1 sism.	-6320,0	-648,6	-43030	16210	-158000	-4757,5
168	9	SLU A1 sism.	-6307,4	-6102,9	-42980	152600	-157700	-9991,4
169	9	SLU A1 sism.	6386,8	5007,3	-51000	-125200	159700	5205,2
170	9	SLU A1 sism.	6372,8	1755,4	-50960	-43890	159300	9685,5
171	9	SLU A1 sism.	-6306,7	-1749,8	-43030	43750	-157700	-9614,5
172	9	SLU A1 sism.	-6320,7	-5001,6	-42980	125000	-158000	-5134,3
173	9	SLU A1 sism.	6365,7	-680,8	-50960	17020	159100	-4829,9
174	9	SLU A1 sism.	6378,3	-6135,1	-50920	153400	159500	-10060
175	9	SLU A1 sism.	-6312,2	6140,7	-43060	-153500	-157800	10130
176	9	SLU A1 sism.	-6299,7	686,4	-43020	-17160	-157500	4900,8
177	9	SLU A1 sism.	6379,0	-1782	-50960	44550	159500	-9687,0
178	9	SLU A1 sism.	6365	-5033,8	-50920	125800	159100	-5206,7
179	9	SLU A1 sism.	-6298,9	5039,5	-43070	-126000	-157500	5277,6
180	9	SLU A1 sism.	-6312,9	1787,6	-43020	-44690	-157800	9757,9
181	9	SLU A1 sism.	1916,1	10110	-48260	-252700	47900	10980
182	9	SLU A1 sism.	1958,0	-8074,1	-48120	201900	48950	-6464,7
183	9	SLU A1 sism.	-1891,9	8079,7	-45870	-202000	-47300	6535,6
184	9	SLU A1 sism.	-1850,1	-10100	-45720	252500	-46250	-10910
185	9	SLU A1 sism.	1913,8	8070,1	-48250	-201800	47850	6513,9
186	9	SLU A1 sism.	1955,6	-10110	-48110	252800	48890	-10930
187	9	SLU A1 sism.	-1889,6	10120	-45880	-252900	-47240	11000
188	9	SLU A1 sism.	-1847,8	-8064,4	-45740	201600	-46190	-6443
189	9	SLU A1 sism.	1960,4	6436,1	-48260	-160900	49010	-5208,7
190	9	SLU A1 sism.	1913,7	-4403,3	-48110	110100	47840	9725,5
191	9	SLU A1 sism.	-1847,7	4409,0	-45870	-110200	-46190	-9654,6
192	9	SLU A1 sism.	-1894,3	-6430,5	-45720	160800	-47360	5279,6
193	9	SLU A1 sism.	1958,0	4399,3	-48250	-110000	48950	-9676,3
194	9	SLU A1 sism.	1911,4	-6440,1	-48100	161000	47790	5257,9
195	9	SLU A1 sism.	-1845,4	6445,7	-45880	-161100	-46130	-5187,0
196	9	SLU A1 sism.	-1892,0	-4393,7	-45730	109800	-47300	9747,3

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		cm	daN	daN	daN cm				
36	9	0	-45659,6	37116,7	927918,9	0,284	0,191	0,975	Ok
23	9	0	-61864,3	4835,5	120887,7	0,035	0,258	0,127	Ok
35	9	0	-59757,4	37126,6	928166,7	0,270	0,250	0,975	Ok
36	9	-53,3	-45395,8	3357,7	2143437	0,657	0,190	0,088	Ok
23	9	-53,3	-61506,9	437,4	279243,4	0,081	0,257	0,011	Ok
35	9	-53,3	-59412,1	3358,6	2144010	0,623	0,248	0,088	Ok
36	9	-106,7	-45214,5	6544,8	2322513	0,712	0,189	0,172	Ok
23	9	-106,7	-61261,3	852,6	302573,1	0,087	0,256	0,022	Ok
35	9	-106,7	-59174,9	6546,5	2323133	0,676	0,247	0,172	Ok
36	9	-160	-45069,2	7743,2	1973458	0,605	0,188	0,203	Ok
23	9	-160	-61064,4	1008,8	257098,9	0,074	0,255	0,027	Ok
35	9	-160	-58984,7	7745,3	1973985	0,575	0,246	0,204	Ok
36	9	-213,3	-44999,4	6819,0	1560485	0,479	0,188	0,179	Ok
23	9	-213,3	-60969,8	888,4	203297,4	0,059	0,255	0,023	Ok
35	9	-213,3	-58893,4	6820,8	1560902	0,455	0,246	0,179	Ok
36	9	-266,7	-44959,2	6387,4	1196807	0,367	0,188	0,168	Ok
23	9	-266,7	-60915,3	832,1	155918	0,045	0,254	0,022	Ok
35	9	-266,7	-58840,7	6389,1	1197126	0,349	0,246	0,168	Ok
36	9	-320	-44903,8	5440,0	856147,2	0,263	0,188	0,143	Ok
23	9	-320	-60840,2	708,7	111537,4	0,032	0,254	0,019	Ok
35	9	-320	-58768,2	5441,5	856375,9	0,250	0,246	0,143	Ok
36	9	-373,3	-44838,4	4340,8	566012,7	0,174	0,187	0,114	Ok
23	9	-373,3	-60751,7	565,5	73739,2	0,021	0,254	0,015	Ok
35	9	-373,3	-58682,7	4341,9	566163,9	0,165	0,245	0,114	Ok
36	9	-426,7	-44768,1	3293,1	334505	0,103	0,187	0,087	Ok
23	9	-426,7	-60656,4	429,0	43578,8	0,013	0,253	0,011	Ok
35	9	-426,7	-58590,6	3294,0	334594,3	0,098	0,245	0,087	Ok
36	9	-480	-44692,9	2359,7	158870,4	0,049	0,187	0,062	Ok
23	9	-480	-60554,5	307,4	20697,4	0,006	0,253	0,008	Ok
35	9	-480	-58492,2	2360,3	158912,8	0,046	0,244	0,062	Ok
36	9	-533,3	-44613,1	1572,5	33021,9	0,010	0,186	0,041	Ok
23	9	-533,3	-60446,3	204,9	4302,0	0,001	0,253	0,005	Ok
35	9	-533,3	-58387,7	1572,9	33030,8	0,010	0,244	0,041	Ok
36	9	-586,7	-44528,7	941,2	50843,7	0,016	0,186	0,025	Ok
23	9	-586,7	-60332,0	122,6	6623,8	0,002	0,252	0,003	Ok
35	9	-586,7	-58277,3	941,5	50857,3	0,015	0,243	0,025	Ok
36	9	-640	-44440,0	460,0	101041,4	0,031	0,186	0,012	Ok
23	9	-640	-60211,8	59,9	13163,5	0,004	0,252	0,002	Ok
35	9	-640	-58161,2	460,1	101068,4	0,030	0,243	0,012	Ok
36	9	-693,3	-44347,0	113,3	125573,2	0,039	0,185	0,003	Ok
23	9	-693,3	-60085,8	14,8	16359,5	0,005	0,251	0,000	Ok
35	9	-693,3	-58039,5	113,4	125606,7	0,037	0,242	0,003	Ok
36	9	-746,7	-44249,9	119,2	131617,2	0,041	0,185	0,003	Ok
23	9	-746,7	-59954,4	15,5	17146,9	0,005	0,250	0,000	Ok
35	9	-746,7	-57912,5	119,2	131652,4	0,038	0,242	0,003	Ok

36	9	-800	-44149,0	259,8	125259,6	0,039	0,184	0,007	Ok
23	9	-800	-59817,6	33,8	16318,6	0,005	0,250	0,001	Ok
35	9	-800	-57780,4	259,8	125293	0,037	0,241	0,007	Ok
36	9	-853,3	-44044,3	329,8	111406,1	0,034	0,184	0,009	Ok
23	9	-853,3	-59675,7	43,0	14513,8	0,004	0,249	0,001	Ok
35	9	-853,3	-57643,3	329,9	111435,8	0,033	0,241	0,009	Ok
36	9	-906,7	-43935,9	348,7	93817,5	0,029	0,184	0,009	Ok
23	9	-906,7	-59528,8	45,4	12222,4	0,004	0,249	0,001	Ok
35	9	-906,7	-57501,5	348,8	93842,5	0,027	0,240	0,009	Ok
36	9	-960	-43824,0	332,9	75221,9	0,023	0,183	0,009	Ok
23	9	-960	-59377,3	43,4	9799,8	0,003	0,248	0,001	Ok
35	9	-960	-57355,1	333,0	75242,0	0,022	0,240	0,009	Ok
36	9	-1013,3	-43708,9	295,8	57468,3	0,018	0,183	0,008	Ok
23	9	-1013,3	-59221,2	38,5	7486,9	0,002	0,247	0,001	Ok
35	9	-1013,3	-57204,3	295,8	57483,7	0,017	0,239	0,008	Ok
36	9	-1066,7	-43590,5	247,6	41694,2	0,013	0,182	0,007	Ok
23	9	-1066,7	-59060,9	32,3	5431,9	0,002	0,247	0,001	Ok
35	9	-1066,7	-57049,4	247,7	41705,3	0,012	0,238	0,007	Ok
36	9	-1120	-43469,1	195,9	28488,3	0,009	0,182	0,005	Ok
23	9	-1120	-58896,4	25,5	3711,4	0,001	0,246	0,001	Ok
35	9	-1120	-56890,5	196,0	28495,9	0,008	0,238	0,005	Ok
36	9	-1173,3	-43344,8	146,0	18038,0	0,006	0,181	0,004	Ok
23	9	-1173,3	-58727,9	19,0	2350,0	0,001	0,245	0,000	Ok
35	9	-1173,3	-56727,8	146,0	18042,8	0,005	0,237	0,004	Ok
36	9	-1226,7	-43217,7	101,0	10253,3	0,003	0,181	0,003	Ok
23	9	-1226,7	-58555,8	13,2	1335,8	0,000	0,245	0,000	Ok
35	9	-1226,7	-56561,6	101,0	10256,0	0,003	0,236	0,003	Ok
36	9	-1280	-43088,0	63,0	4866,5	0,002	0,180	0,002	Ok
23	9	-1280	-58380,1	8,2	634,0	0,000	0,244	0,000	Ok
35	9	-1280	-56391,8	63,0	4867,8	0,001	0,236	0,002	Ok
36	9	-1333,3	-42955,9	32,9	1506,6	0,000	0,179	0,001	Ok
23	9	-1333,3	-58201,0	4,3	196,3	0,000	0,243	0,000	Ok
35	9	-1333,3	-56218,9	32,9	1507,0	0,000	0,235	0,001	Ok
36	9	-1386,7	-42821,4	11,1	248,6	0,000	0,179	0,000	Ok
23	9	-1386,7	-58018,8	1,4	32,4	0,000	0,242	0,000	Ok
35	9	-1386,7	-56042,9	11,1	248,6	0,000	0,234	0,000	Ok
36	9	-1440	-42684,8	2,5	839,1	0,000	0,178	0,000	Ok
23	9	-1440	-57833,7	0,3	109,3	0,000	0,242	0,000	Ok
35	9	-1440	-55864,0	2,5	839,4	0,000	0,233	0,000	Ok
36	9	-1493,3	-42546,0	7,9	705,8	0,000	0,178	0,000	Ok
23	9	-1493,3	-57645,7	1,0	91,9	0,000	0,241	0,000	Ok
35	9	-1493,3	-55682,5	7,9	706,0	0,000	0,233	0,000	Ok
36	9	-1546,7	-42405,4	5,3	283,1	0,000	0,177	0,000	Ok
23	9	-1546,7	-57455,2	0,7	36,9	0,000	0,240	0,000	Ok
35	9	-1546,7	-55498,5	5,3	283,2	0,000	0,232	0,000	Ok
172	9	-1600	-39920,4	1,2	0	0	0,167	0,000	Ok
23	9	-1600	-57455,2	0,7	0	0	0,240	0,000	Ok
35	9	-1600	-55498,5	5,3	0	0	0,232	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
9	36	9	-106,7	-45214,5	6544,8	2322513	0,712	0,189	0,172
9	23	9	0	-61864,3	4835,5	120887,7	0,035	0,258	0,127
9	35	9	0	-59757,4	37126,6	928166,7	0,270	0,250	0,975

S/Su massime:
Ver. N/M = 0,712 < 1 Ok

Ver. (25) = 0,258 < 1 Ok
Ver. V = 0,975 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	Palo	Quota	N	M	Tens. A	Tens. C	Stato
		cm	daN	daN cm	daN/cmq	daN/cmq	
122	9	0	-46103,9	618887,9	-506,3	-40,3	Ok
122	9	-53,3	-45837,6	1429594	1366,9	-96,7	Ok
122	9	-106,7	-45654,5	1549031	1595,0	-105,5	Ok
122	9	-160	-45507,8	1316224	1168,3	-88,5	Ok
122	9	-213,3	-45437,3	1040786	-793,3	-68,4	Ok
122	9	-266,7	-45396,7	798226,1	-622,3	-51,4	Ok
122	9	-320	-45340,8	571018,9	-475,4	-37,5	Ok
122	9	-373,3	-45274,8	377509,8	-374,7	-28,5	Ok
122	9	-426,7	-45203,8	223102,6	-305,5	-22,4	Ok
122	9	-480	-45127,9	105960,7	-252,9	-17,9	Ok
122	9	-533,3	-45047,2	22024,4	-215,2	-14,5	Ok
122	9	-586,7	-44962,0	33910,9	-220,1	-15,0	Ok
122	9	-640	-44872,4	67390,9	-234,6	-16,3	Ok
122	9	-693,3	-44778,6	83752,7	-241,4	-16,9	Ok
122	9	-746,7	-44680,6	87783,9	-242,8	-17,0	Ok
122	9	-800	-44578,6	83543,5	-240,4	-16,8	Ok
122	9	-853,3	-44472,9	74303,8	-235,8	-16,4	Ok
122	9	-906,7	-44363,5	62572,8	-230,1	-15,9	Ok
122	9	-960	-44250,5	50170,2	-224,1	-15,4	Ok
122	9	-1013,3	-44134,2	38329,3	-218,3	-14,9	Ok
122	9	-1066,7	-44014,7	27808,5	-213,0	-14,5	Ok
122	9	-1120	-43892,1	19000,7	-208,5	-14,1	Ok
120	9	-1173,3	-44426,5	7272,3	-205,8	-13,8	Ok
139	9	-1173,3	-44886,9	2819,0	-205,9	-13,8	Ok
156	9	-1173,3	-44054,3	7158,1	-204,0	-13,7	Ok
116	9	-1226,7	-44967,8	889,3	-205,0	-13,7	Ok
116	9	-1280	-44832,9	422,1	-204,4	-13,6	Ok
116	9	-1333,3	-44695,4	130,7	-203,7	-13,6	Ok
116	9	-1386,7	-44555,4	21,6	-203,1	-13,5	Ok
116	9	-1440	-44413,2	72,8	-202,5	-13,5	Ok
116	9	-1493,3	-44268,9	61,2	-201,8	-13,5	Ok
116	9	-1546,7	-44122,6	24,6	-201,1	-13,4	Ok
116	9	-1600	-44122,6	0	-201,1	-13,4	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. A	Tens. C
			cm	daN	daN cm	daN/cmq	daN/cmq
9	122	9	-106,7	-45654,5	1549031	1595,0	-105,5

Valori massimi SLE condizioni rare:
Ten.massima CLS = 105,5 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 1595,0 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	Palo	Quota	N	M	Wk	Stato
		cm	daN	daN cm	mm	
159	9	0	-46503,0	306833,8	0	Ok
159	9	-53,3	-46234,3	708767,7	0	Ok

159	9	-106,7	-46049,7	767982,4	0	Ok
159	9	-160	-45901,7	652560,9	0	Ok
159	9	-213,3	-45830,6	516003,6	0	Ok
159	9	-266,7	-45789,6	395746,5	0	Ok
159	9	-320	-45733,2	283101,1	0	Ok
159	9	-373,3	-45666,6	187162,7	0	Ok
159	9	-426,7	-45595,0	110610,3	0	Ok
159	9	-480	-45518,4	52533,5	0	Ok
159	9	-533,3	-45437,1	10919,3	0	Ok
159	9	-586,7	-45351,2	16812,4	0	Ok
159	9	-640	-45260,8	33411,2	0	Ok
159	9	-693,3	-45166,1	41523,1	0	Ok
159	9	-746,7	-45067,3	43521,7	0	Ok
159	9	-800	-44964,5	41419,4	0	Ok
159	9	-853,3	-44857,8	36838,5	0	Ok
159	9	-906,7	-44747,4	31022,5	0	Ok
159	9	-960	-44633,5	24873,5	0	Ok
159	9	-1013,3	-44516,2	19003,0	0	Ok
159	9	-1066,7	-44395,6	13787,0	0	Ok
159	9	-1120	-44272,0	9420,2	0	Ok
159	9	-1173,3	-44145,4	5964,6	0	Ok
160	9	-1226,7	-44508,1	31,4	0	Ok
160	9	-1280	-44374,5	14,9	0	Ok
160	9	-1333,3	-44238,4	4,6	0	Ok
160	9	-1386,7	-44099,9	0,8	0	Ok
160	9	-1440	-43959,2	2,6	0	Ok
160	9	-1493,3	-43816,3	2,2	0	Ok
160	9	-1546,7	-43671,5	0,9	0	Ok
160	9	-1600	-43671,5	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
9	159	9	-106,7	-46049,7	767982,4	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	9	0	-46992,6	828,7	-14,3	0	Ok
164	9	-53,3	-46721,1	1914,2	-14,2	0	Ok
164	9	-106,7	-46534,6	2074,1	-14,1	0	Ok
164	9	-160	-46385,0	1762,4	-14,1	0	Ok
164	9	-213,3	-46313,2	1393,6	-14,1	0	Ok
164	9	-266,7	-46271,7	1068,8	-14,1	0	Ok
164	9	-320	-46214,8	764,6	-14,0	0	Ok
164	9	-373,3	-46147,5	505,5	-14,0	0	Ok
164	9	-426,7	-46075,1	298,7	-14,0	0	Ok
164	9	-480	-45997,7	141,9	-14,0	0	Ok
164	9	-533,3	-45915,5	29,5	-14,0	0	Ok
164	9	-586,7	-45828,7	45,4	-13,9	0	Ok
164	9	-640	-45737,4	90,2	-13,9	0	Ok
164	9	-693,3	-45641,7	112,1	-13,9	0	Ok
164	9	-746,7	-45541,8	117,5	-13,8	0	Ok
164	9	-800	-45437,9	111,9	-13,8	0	Ok

164	9	-853,3	-45330,1	99,5	-13,8	0	Ok
164	9	-906,7	-45218,6	83,8	-13,7	0	Ok
164	9	-960	-45103,5	67,2	-13,7	0	Ok
164	9	-1013,3	-44984,9	51,3	-13,7	0	Ok
164	9	-1066,7	-44863,1	37,2	-13,6	0	Ok
164	9	-1120	-44738,2	25,4	-13,6	0	Ok
164	9	-1173,3	-44610,2	16,1	-13,6	0	Ok
164	9	-1226,7	-44479,5	9,2	-13,5	0	Ok
164	9	-1280	-44346,0	4,3	-13,5	0	Ok
164	9	-1333,3	-44210,0	1,3	-13,4	0	Ok
164	9	-1386,7	-44071,6	0,2	-13,4	0	Ok
164	9	-1440	-43930,9	0,7	-13,4	0	Ok
164	9	-1493,3	-43788,2	0,6	-13,3	0	Ok
164	9	-1546,7	-43643,4	0,3	-13,3	0	Ok
164	9	-1600	-43643,4	0	-13,3	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
9	164	9	0	-46992,6	828,7	-14,3	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 14,3 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 10

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	**Plin.**	**Tipo**	**Vx**	**Vy**	**N**	**Mx**	**My**	**T**
			daN	daN	daN	daN cm	daN cm	daN cm
1	10	SLU STR.	-20,6	-6,0	-59470	149,7	-514,0	-2,7
2	10	SLU STR.	-16,1	-4,7	-45920	116,3	-401,4	-1,7
3	10	SLU STR.	-19,5	-5,8	-58710	144,7	-487,7	-4,4
4	10	SLU STR.	-15,0	-4,5	-45160	111,3	-375,1	-3,4
5	10	SLU STR.	1805,6	-4155,3	-59940	103900	45140	-12,5
6	10	SLU STR.	1810,1	-4154,0	-46390	103900	45250	-11,5
7	10	SLU STR.	3023,8	-6921,4	-59700	173000	75590	-20,3
8	10	SLU STR.	3028,3	-6920,1	-46150	173000	75710	-19,3
9	10	SLU STR.	1806,6	-4155,1	-59180	103900	45170	-14,1
10	10	SLU STR.	1811,1	-4153,8	-45640	103800	45280	-13,1
11	10	SLU STR.	-7624,2	17320	-61170	-433000	-190600	-37,4
12	10	SLU STR.	-7619,7	17320	-47630	-433100	-190500	-36,4
13	10	SLU STR.	-7623,2	17320	-60420	-433100	-190600	-39,0
14	10	SLU STR.	-7618,7	17320	-46870	-433100	-190500	-38,0
15	10	SLU STR.	-12690	28870	-61560	-721900	-317300	-62,1
16	10	SLU STR.	-12690	28880	-48010	-721900	-317200	-61,1
17	10	SLU STR.	333,6	-9,1	-59470	228,6	8338,9	13,7
18	10	SLU STR.	338,1	-7,8	-45920	195,2	8451,5	14,7
19	10	SLU STR.	334,6	-8,9	-58710	223,6	8365,3	12,1
20	10	SLU STR.	339,1	-7,6	-45160	190,2	8477,8	13,1
21	10	SLU STR.	570,7	-11,1	-58720	276,2	14270	23,0
22	10	SLU STR.	575,2	-9,7	-45170	242,8	14380	24,0

23	10	SLU STR.	2159,7	-4158,5	-59940	104000	53990	3,9
24	10	SLU STR.	2164,2	-4157,2	-46400	103900	54100	4,9
25	10	SLU STR.	3377,9	-6924,6	-59710	173100	84450	-3,9
26	10	SLU STR.	3382,4	-6923,3	-46160	173100	84560	-2,9
27	10	SLU STR.	2160,7	-4158,3	-59190	104000	54020	2,3
28	10	SLU STR.	2165,2	-4157,0	-45640	103900	54130	3,3
29	10	SLU STR.	2396,8	-4160,4	-59190	104000	59920	13,2
30	10	SLU STR.	2401,3	-4159,1	-45640	104000	60030	14,3
31	10	SLU STR.	-7270,1	17320	-61180	-433000	-181800	-21,0
32	10	SLU STR.	-7265,6	17320	-47630	-433000	-181600	-20,0
33	10	SLU STR.	-7269,0	17320	-60420	-433000	-181700	-22,6
34	10	SLU STR.	-7264,5	17320	-46870	-433000	-181600	-21,6
35	10	SLU STR.	-12340	28870	-61560	-721800	-308500	-45,7
36	10	SLU STR.	-12330	28870	-48010	-721800	-308300	-44,7
37	10	SLU STR.	-7033,0	17320	-60420	-432900	-175800	-11,6
38	10	SLU STR.	-7028,5	17320	-46880	-433000	-175700	-10,6
39	10	SLU STR.	-414,6	-4,5	-59550	113,5	-10370	-3,4
40	10	SLU STR.	-410,1	-3,2	-46010	80,1	-10250	-2,3
41	10	SLU STR.	-413,6	-4,3	-58800	108,5	-10340	-5,0
42	10	SLU STR.	-409,1	-3	-45250	75,1	-10230	-4,0
43	10	SLU STR.	-676,3	-3,4	-58860	84,3	-16910	-5,4
44	10	SLU STR.	-671,8	-2,0	-45310	50,9	-16790	-4,4
45	10	SLU STR.	1411,5	-4153,9	-60030	103800	35290	-13,1
46	10	SLU STR.	1416,0	-4152,6	-46480	103800	35400	-12,1
47	10	SLU STR.	2629,7	-6920,0	-59790	173000	65740	-20,9
48	10	SLU STR.	2634,2	-6918,7	-46240	173000	65850	-19,9
49	10	SLU STR.	1412,5	-4153,7	-59270	103800	35310	-14,8
50	10	SLU STR.	1417,0	-4152,4	-45720	103800	35430	-13,7
51	10	SLU STR.	1149,8	-4152,7	-59330	103800	28750	-15,2
52	10	SLU STR.	1154,3	-4151,4	-45780	103800	28860	-14,2
53	10	SLU STR.	-8018,3	17320	-61260	-433100	-200500	-38,0
54	10	SLU STR.	-8013,8	17320	-47710	-433100	-200300	-37,0
55	10	SLU STR.	-8017,2	17320	-60510	-433100	-200400	-39,6
56	10	SLU STR.	-8012,7	17320	-46960	-433100	-200300	-38,6
57	10	SLU STR.	-13090	28880	-61640	-721900	-327200	-62,7
58	10	SLU STR.	-13080	28880	-48100	-721900	-327000	-61,7
59	10	SLU STR.	-8280,0	17320	-60560	-433100	-207000	-40,0
60	10	SLU STR.	-8275,5	17330	-47020	-433100	-206900	-39,0
61	10	SLU STR.	-30,3	478,4	-59610	-11960	-757,7	20,6
62	10	SLU STR.	-25,8	479,8	-46070	-11990	-645,2	21,6
63	10	SLU STR.	-29,3	478,6	-58860	-11970	-731,4	19,0
64	10	SLU STR.	-24,8	480,0	-45310	-12000	-618,9	20
65	10	SLU STR.	-35,8	801,6	-58960	-20040	-893,9	34,6
66	10	SLU STR.	-31,3	802,9	-45410	-20070	-781,3	35,6
67	10	SLU STR.	1795,8	-3670,9	-60090	91770	44900	10,8
68	10	SLU STR.	1800,3	-3669,6	-46540	91740	45010	11,8
69	10	SLU STR.	3014	-6437,0	-59850	160900	75350	3,1
70	10	SLU STR.	3018,5	-6435,7	-46300	160900	75460	4,1
71	10	SLU STR.	1796,9	-3670,7	-59330	91770	44920	9,2
72	10	SLU STR.	1801,4	-3669,4	-45780	91740	45030	10,2
73	10	SLU STR.	1790,4	-3347,8	-59430	83700	44760	24,8
74	10	SLU STR.	1794,9	-3346,5	-45880	83660	44870	25,8
75	10	SLU STR.	-7634,0	17810	-61320	-445200	-190800	-14,1
76	10	SLU STR.	-7629,5	17810	-47770	-445200	-190700	-13,1
77	10	SLU STR.	-7632,9	17810	-60570	-445200	-190800	-15,7
78	10	SLU STR.	-7628,4	17810	-47020	-445200	-190700	-14,7
79	10	SLU STR.	-12700	29360	-61700	-734000	-317600	-38,8

80	10	SLU STR.	-12700	29360	-48160	-734000	-317400	-37,8
81	10	SLU STR.	-7639,4	18130	-60670	-453200	-191000	-0,1
82	10	SLU STR.	-7634,9	18130	-47120	-453300	-190900	0,9
83	10	SLU STR.	-8,5	-459,7	-59290	11490	-211,7	-33,1
84	10	SLU STR.	-4,0	-458,4	-45740	11460	-99,2	-32,1
85	10	SLU STR.	-7,4	-459,5	-58530	11490	-185,4	-34,7
86	10	SLU STR.	-2,9	-458,2	-44980	11460	-72,9	-33,7
87	10	SLU STR.	0,6	-762,0	-58420	19050	16,1	-54,9
88	10	SLU STR.	5,2	-760,7	-44870	19020	128,7	-53,9
89	10	SLU STR.	1817,7	-4609,1	-59760	115200	45440	-42,9
90	10	SLU STR.	1822,2	-4607,8	-46220	115200	45550	-41,8
91	10	SLU STR.	3035,8	-7375,2	-59530	184400	75900	-50,6
92	10	SLU STR.	3040,4	-7373,8	-45980	184300	76010	-49,6
93	10	SLU STR.	1818,7	-4608,9	-59010	115200	45470	-44,5
94	10	SLU STR.	1823,2	-4607,6	-45460	115200	45580	-43,5
95	10	SLU STR.	1826,8	-4911,4	-58890	122800	45670	-64,7
96	10	SLU STR.	1831,3	-4910,1	-45340	122800	45780	-63,7
97	10	SLU STR.	-7612,1	16870	-61000	-421700	-190300	-67,7
98	10	SLU STR.	-7607,6	16870	-47450	-421700	-190200	-66,7
99	10	SLU STR.	-7611,1	16870	-60240	-421700	-190300	-69,3
100	10	SLU STR.	-7606,6	16870	-46690	-421700	-190200	-68,3
101	10	SLU STR.	-12680	28420	-61380	-710500	-317000	-92,4
102	10	SLU STR.	-12680	28420	-47830	-710500	-316900	-91,4
103	10	SLU STR.	-7603,0	16570	-60120	-414100	-190100	-89,5
104	10	SLU STR.	-7598,5	16570	-46580	-414200	-190000	-88,5
105	10	SLE Rare	-15,7	-4,6	-45660	114,6	-392,7	-2,3
106	10	SLE Rare	-15,0	-4,5	-45160	111,3	-375,1	-3,4
107	10	SLE Rare	1201,7	-2770,8	-45980	69270	30040	-8,8
108	10	SLE Rare	2013,8	-4614,9	-45820	115400	50350	-14,0
109	10	SLE Rare	1202,4	-2770,7	-45480	69270	30060	-9,9
110	10	SLE Rare	-5084,8	11550	-46800	-288700	-127100	-25,4
111	10	SLE Rare	-5084,1	11550	-46300	-288700	-127100	-26,5
112	10	SLE Rare	-8463,5	19250	-47060	-481200	-211600	-41,9
113	10	SLE Rare	220,4	-6,7	-45670	167,2	5509,3	8,7
114	10	SLE Rare	221,1	-6,6	-45160	163,9	5526,8	7,6
115	10	SLE Rare	378,5	-8,0	-45170	199,0	9461,5	14,9
116	10	SLE Rare	1437,8	-2772,9	-45980	69320	35940	2,2
117	10	SLE Rare	2249,9	-4617,0	-45830	115400	56250	-3,0
118	10	SLE Rare	1438,5	-2772,8	-45480	69320	35960	1,1
119	10	SLE Rare	1595,9	-2774,2	-45480	69360	39900	8,4
120	10	SLE Rare	-4848,7	11550	-46810	-288600	-121200	-14,4
121	10	SLE Rare	-4848,0	11550	-46300	-288600	-121200	-15,5
122	10	SLE Rare	-8227,4	19250	-47060	-481200	-205700	-30,9
123	10	SLE Rare	-4690,7	11540	-46300	-288600	-117300	-8,2
124	10	SLE Rare	-278,4	-3,6	-45720	90,5	-6960,6	-2,7
125	10	SLE Rare	-277,7	-3,5	-45220	87,2	-6943,1	-3,8
126	10	SLE Rare	-452,9	-2,8	-45260	71,1	-11320	-4,0
127	10	SLE Rare	939,0	-2769,9	-46040	69250	23470	-9,2
128	10	SLE Rare	1751,1	-4613,9	-45880	115300	43780	-14,4
129	10	SLE Rare	939,7	-2769,7	-45540	69240	23490	-10,3
130	10	SLE Rare	764,5	-2769,1	-45580	69230	19110	-10,6
131	10	SLE Rare	-5347,5	11550	-46860	-288700	-133700	-25,8
132	10	SLE Rare	-5346,8	11550	-46360	-288700	-133700	-26,9
133	10	SLE Rare	-8726,2	19250	-47120	-481200	-218200	-42,3
134	10	SLE Rare	-5522,0	11550	-46400	-288700	-138000	-27,1
135	10	SLE Rare	-22,2	318,4	-45760	-7958,7	-555,2	13,3
136	10	SLE Rare	-21,5	318,5	-45260	-7962,0	-537,6	12,2

137	10	SLE Rare	-25,8	533,8	-45330	-13340	-645,9	22,6
138	10	SLE Rare	1195,2	-2447,9	-46080	61200	29880	6,8
139	10	SLE Rare	2007,3	-4292,0	-45920	107300	50180	1,6
140	10	SLE Rare	1195,9	-2447,8	-45580	61190	29900	5,7
141	10	SLE Rare	1191,6	-2232,5	-45640	55810	29790	16,1
142	10	SLE Rare	-5091,3	11870	-46900	-296800	-127300	-9,8
143	10	SLE Rare	-5090,6	11870	-46400	-296800	-127300	-10,9
144	10	SLE Rare	-8470,0	19570	-47160	-489300	-211800	-26,3
145	10	SLE Rare	-5094,9	12090	-46470	-302100	-127400	-0,5
146	10	SLE Rare	-7,7	-307,1	-45550	7677,1	-191,2	-22,5
147	10	SLE Rare	-6,9	-307,0	-45040	7673,8	-173,6	-23,6
148	10	SLE Rare	-1,6	-508,6	-44970	12720	-39,3	-37,0
149	10	SLE Rare	1209,8	-3073,3	-45860	76830	30240	-29,0
150	10	SLE Rare	2021,9	-4917,4	-45710	122900	50550	-34,2
151	10	SLE Rare	1210,5	-3073,2	-45360	76830	30260	-30,1
152	10	SLE Rare	1215,8	-3274,9	-45280	81870	30400	-43,6
153	10	SLE Rare	-5076,8	11240	-46690	-281100	-126900	-45,6
154	10	SLE Rare	-5076,1	11240	-46180	-281100	-126900	-46,7
155	10	SLE Rare	-8455,5	18950	-46940	-473700	-211400	-62,1
156	10	SLE Rare	-5070,7	11040	-46100	-276100	-126800	-60,1
157	10	SLE Freq.	-15,0	-4,5	-45160	111,3	-375,1	-3,4
158	10	SLE Freq.	999,7	-2309,6	-45250	57740	24990	-9,1
159	10	SLE Freq.	-4239,3	9622,2	-46110	-240600	-106000	-22,6
160	10	SLE Freq.	63,7	-5,2	-45160	128,9	1592,2	0,3
161	10	SLE Freq.	-102,6	-4,1	-45180	103,3	-2564,4	-3,5
162	10	SLE Freq.	-17,2	103,2	-45190	-2579,8	-429,3	1,8
163	10	SLE Freq.	-12,3	-105,3	-45120	2632,1	-308,0	-10,1
164	10	SLE Quasi P.	-15,0	-4,5	-45160	111,3	-375,1	-3,4
165	10	SLU A1 sism.	4605,5	203,6	-44830	-5089,3	115100	10060
166	10	SLU A1 sism.	6560,6	-3048,0	-42860	76200	164000	4762,5
167	10	SLU A1 sism.	-6590,6	3039,1	-47460	-75980	-164800	-4769,2
168	10	SLU A1 sism.	-4635,5	-212,5	-45490	5312,0	-115900	-10070
169	10	SLU A1 sism.	6418,6	702,8	-44940	-17570	160500	5148,8
170	10	SLU A1 sism.	4747,5	-3547,2	-42750	88680	118700	9672,3
171	10	SLU A1 sism.	-4777,5	3538,3	-47580	-88460	-119400	-9679,0
172	10	SLU A1 sism.	-6448,6	-711,7	-45380	17790	-161200	-5155,5
173	10	SLU A1 sism.	7047,8	3054,8	-44890	-76370	176200	-4914,0
174	10	SLU A1 sism.	9002,9	-196,7	-42930	4918,6	225100	-10210
175	10	SLU A1 sism.	-9033,0	187,8	-47390	-4695,9	-225800	10200
176	10	SLU A1 sism.	-7077,8	-3063,7	-45430	76590	-176900	4907,3
177	10	SLU A1 sism.	8860,9	3554,1	-45010	-88850	221500	-9823,7
178	10	SLU A1 sism.	7189,9	-696,0	-42810	17400	179700	-5300,2
179	10	SLU A1 sism.	-7219,9	687,1	-47510	-17180	-180500	5293,6
180	10	SLU A1 sism.	-8890,9	-3563,0	-45310	89070	-222300	9817,1
181	10	SLU A1 sism.	-1594,1	4989,5	-48040	-124700	-39850	11050
182	10	SLU A1 sism.	4922,9	-5849,1	-41490	146200	123100	-6606,0
183	10	SLU A1 sism.	-4953,0	5840,2	-48830	-146000	-123800	6599,3
184	10	SLU A1 sism.	1564,1	-4998,4	-42280	125000	39100	-11050
185	10	SLU A1 sism.	-861,4	5844,9	-48060	-146100	-21540	6555,9
186	10	SLU A1 sism.	5655,6	-4993,7	-41510	124800	141400	-11100
187	10	SLU A1 sism.	-5685,7	4984,8	-48810	-124600	-142100	11090
188	10	SLU A1 sism.	831,4	-5853,8	-42260	146300	20790	-6562,6
189	10	SLU A1 sism.	4449,5	6653,7	-48430	-166300	111200	-5318,3
190	10	SLU A1 sism.	-1120,7	-7513,2	-41100	187800	-28020	9760
191	10	SLU A1 sism.	1090,7	7504,3	-49220	-187600	27270	-9766,7
192	10	SLU A1 sism.	-4479,5	-6662,6	-41890	166600	-112000	5311,7
193	10	SLU A1 sism.	5182,2	7509,0	-48450	-187700	129600	-9810,1

194	10	SLU A1 sism.	-388,0	-6657,8	-41120	166400	-9698,8	5268,2
195	10	SLU A1 sism.	357,9	6648,9	-49200	-166200	8948,6	-5274,9
196	10	SLU A1 sism.	-5212,2	-7517,9	-41870	187900	-130300	9803,4

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V	Stato
		cm	daN	daN	daN cm				
80	10	0	-48156,8	31987,9	799697,7	0,242	0,201	0,840	Ok
79	10	0	-61705,0	31988,4	799711,8	0,231	0,258	0,840	Ok
80	10	-53,3	-47879,7	2893,7	1847254	0,561	0,200	0,076	Ok
79	10	-53,3	-61350,0	2893,8	1847286	0,533	0,256	0,076	Ok
80	10	-106,7	-47689,4	5640,4	2001585	0,608	0,199	0,148	Ok
79	10	-106,7	-61106,0	5640,5	2001620	0,579	0,255	0,148	Ok
80	10	-160	-47536,7	6673,3	1700763	0,517	0,199	0,175	Ok
79	10	-160	-60910,4	6673,4	1700793	0,492	0,254	0,175	Ok
80	10	-213,3	-47463,4	5876,7	1344855	0,409	0,198	0,154	Ok
79	10	-213,3	-60816,5	5876,8	1344879	0,389	0,254	0,154	Ok
80	10	-266,7	-47421,1	5504,7	1031430	0,314	0,198	0,145	Ok
79	10	-266,7	-60762,3	5504,8	1031448	0,298	0,254	0,145	Ok
80	10	-320	-47363,0	4688,3	737843,6	0,224	0,198	0,123	Ok
79	10	-320	-60687,8	4688,4	737856,6	0,214	0,254	0,123	Ok
80	10	-373,3	-47294,3	3741,0	487800,3	0,148	0,198	0,098	Ok
79	10	-373,3	-60599,8	3741,0	487808,9	0,141	0,253	0,098	Ok
80	10	-426,7	-47220,4	2838,1	288282,6	0,088	0,197	0,075	Ok
79	10	-426,7	-60505,1	2838,1	288287,7	0,084	0,253	0,075	Ok
80	10	-480	-47141,4	2033,6	136917,4	0,042	0,197	0,053	Ok
79	10	-480	-60403,9	2033,6	136919,8	0,040	0,252	0,053	Ok
80	10	-533,3	-47057,6	1355,2	28458,9	0,009	0,197	0,036	Ok
79	10	-533,3	-60296,5	1355,2	28459,4	0,008	0,252	0,036	Ok
80	10	-586,7	-46968,9	811,1	43818,1	0,013	0,196	0,021	Ok
79	10	-586,7	-60182,9	811,2	43818,9	0,013	0,251	0,021	Ok
80	10	-640	-46875,7	396,4	87079,4	0,027	0,196	0,010	Ok
79	10	-640	-60063,5	396,4	87080,9	0,025	0,251	0,010	Ok
80	10	-693,3	-46778,1	97,7	108221,3	0,033	0,195	0,003	Ok
79	10	-693,3	-59938,3	97,7	108223,2	0,031	0,250	0,003	Ok
80	10	-746,7	-46676,1	102,7	113430,2	0,035	0,195	0,003	Ok
79	10	-746,7	-59807,7	102,7	113432,2	0,033	0,250	0,003	Ok
80	10	-800	-46570,1	223,9	107951	0,033	0,195	0,006	Ok
79	10	-800	-59671,8	223,9	107952,9	0,031	0,249	0,006	Ok
80	10	-853,3	-46460,1	284,2	96011,8	0,029	0,194	0,007	Ok
79	10	-853,3	-59530,9	284,2	96013,5	0,028	0,249	0,007	Ok
80	10	-906,7	-46346,2	300,5	80853,6	0,025	0,194	0,008	Ok
79	10	-906,7	-59385,0	300,5	80855,0	0,024	0,248	0,008	Ok

80	10	-960	-46228,8	286,9	64827,6	0,020	0,193	0,008	Ok
79	10	-960	-59234,5	286,9	64828,8	0,019	0,247	0,008	Ok
80	10	-1013,3	-46107,8	254,9	49527,3	0,015	0,193	0,007	Ok
79	10	-1013,3	-59079,5	254,9	49528,2	0,014	0,247	0,007	Ok
80	10	-1066,7	-45983,4	213,4	35932,8	0,011	0,192	0,006	Ok
79	10	-1066,7	-58920,1	213,4	35933,5	0,010	0,246	0,006	Ok
80	10	-1120	-45855,9	168,9	24551,8	0,008	0,192	0,004	Ok
79	10	-1120	-58756,7	168,9	24552,2	0,007	0,245	0,004	Ok
80	10	-1173,3	-45725,3	125,8	15545,4	0,005	0,191	0,003	Ok
79	10	-1173,3	-58589,4	125,8	15545,7	0,005	0,245	0,003	Ok
80	10	-1226,7	-45591,8	87,0	8836,5	0,003	0,190	0,002	Ok
79	10	-1226,7	-58418,4	87,0	8836,6	0,003	0,244	0,002	Ok
80	10	-1280	-45455,6	54,3	4194,0	0,001	0,190	0,001	Ok
79	10	-1280	-58243,8	54,3	4194,1	0,001	0,243	0,001	Ok
80	10	-1333,3	-45316,8	28,4	1298,4	0,000	0,189	0,001	Ok
79	10	-1333,3	-58066,0	28,4	1298,4	0,000	0,243	0,001	Ok
80	10	-1386,7	-45175,5	9,5	214,2	0,000	0,189	0,000	Ok
79	10	-1386,7	-57885,0	9,5	214,2	0,000	0,242	0,000	Ok
80	10	-1440	-45032,0	2,2	723,2	0,000	0,188	0,000	Ok
79	10	-1440	-57701,0	2,2	723,2	0,000	0,241	0,000	Ok
80	10	-1493,3	-44886,3	6,8	608,3	0,000	0,188	0,000	Ok
79	10	-1493,3	-57514,3	6,8	608,3	0,000	0,240	0,000	Ok
80	10	-1546,7	-44738,6	4,6	244,0	0,000	0,187	0,000	Ok
79	10	-1546,7	-57325,0	4,6	244,0	0,000	0,239	0,000	Ok
190	10	-1600	-38183,6	1,1	0	0	0,160	0,000	Ok
79	10	-1600	-57325,0	4,6	0	0	0,239	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
10	80	10	-106,7	-47689,4	5640,4	2001585	0,608	0,199	0,148
10	79	10	0	-61705,0	31988,4	799711,8	0,231	0,258	0,840

S/Su massime:
Ver. N/M = 0,608 < 1 Ok
Ver. (25) = 0,258 < 1 Ok
Ver. V = 0,840 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**	**Stato**
		cm	daN	daN cm	daN/cmq	daN/cmq	
144	10	0	-47158,1	533147,4	-460,1	-35,9	Ok
144	10	-53,3	-46886,7	1231539	981,2	-82,1	Ok
144	10	-106,7	-46700,3	1334429	1169,4	-89,6	Ok
144	10	-160	-46550,8	1133875	-860,8	-75,0	Ok
144	10	-213,3	-46479,0	896596,2	-692,4	-58,1	Ok
144	10	-266,7	-46437,6	687640,2	-550,3	-44,4	Ok
144	10	-320	-46380,7	491910,1	-435,1	-33,8	Ok
144	10	-373,3	-46313,4	325209,7	-356,0	-26,8	Ok
144	10	-426,7	-46241,1	192194	-296,4	-21,6	Ok
144	10	-480	-46163,7	91281,0	-251,1	-17,6	Ok
144	10	-533,3	-46081,6	18973,2	-218,5	-14,7	Ok
144	10	-586,7	-45994,8	29212,9	-222,7	-15,1	Ok
144	10	-640	-45903,5	58054,6	-235,1	-16,2	Ok

144	10	-693,3	-45807,9	72149,7	-241,0	-16,7	Ok
144	10	-746,7	-45708,1	75622,3	-242,1	-16,8	Ok
144	10	-800	-45604,2	71969,5	-240,0	-16,7	Ok
144	10	-853,3	-45496,5	64009,8	-235,9	-16,3	Ok
144	10	-906,7	-45385,0	53904,0	-230,9	-15,9	Ok
144	10	-960	-45270,0	43219,7	-225,6	-15,4	Ok
144	10	-1013,3	-45151,5	33019,2	-220,5	-15,0	Ok
144	10	-1066,7	-45029,7	23955,9	-215,9	-14,6	Ok
144	10	-1120	-44904,9	16368,3	-212,0	-14,3	Ok
144	10	-1173,3	-44777,0	10363,9	-208,7	-14,0	Ok
144	10	-1226,7	-44646,3	5891,1	-206,1	-13,8	Ok
144	10	-1280	-44512,9	2796,1	-204,2	-13,6	Ok
144	10	-1333,3	-44376,9	865,6	-202,3	-13,5	Ok
144	10	-1386,7	-44238,6	142,8	-201,7	-13,4	Ok
144	10	-1440	-44098,0	482,1	-201,0	-13,4	Ok
144	10	-1493,3	-43955,3	405,5	-200,4	-13,4	Ok
144	10	-1546,7	-43810,7	162,6	-199,7	-13,3	Ok
144	10	-1600	-43810,7	0	-199,7	-13,3	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**
			cm	daN	daN cm	daN/cmq	daN/cmq
10	144	10	-106,7	-46700,3	1334429	1169,4	-89,6

Valori massimi SLE condizioni rare:
Ten.massima CLS = 89,6 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 1169,4 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Wk**	**Stato**
		cm	daN	daN cm	mm	
159	10	0	-46109,6	262865,9	0	Ok
159	10	-53,3	-45844,3	607204,4	0	Ok
159	10	-106,7	-45662,0	657933,9	0	Ok
159	10	-160	-45515,9	559051,9	0	Ok
159	10	-213,3	-45445,7	442062,6	0	Ok
159	10	-266,7	-45405,2	339037,8	0	Ok
159	10	-320	-45349,5	242534	0	Ok
159	10	-373,3	-45283,8	160343,1	0	Ok
159	10	-426,7	-45213	94760,4	0	Ok
159	10	-480	-45137,4	45005,7	0	Ok
159	10	-533,3	-45057,1	9354,6	0	Ok
159	10	-586,7	-44972,2	14403,3	0	Ok
159	10	-640	-44883,0	28623,6	0	Ok
159	10	-693,3	-44789,5	35573,1	0	Ok
159	10	-746,7	-44691,9	37285,2	0	Ok
159	10	-800	-44590,3	35484,2	0	Ok
159	10	-853,3	-44485,0	31559,7	0	Ok
159	10	-906,7	-44376	26577,1	0	Ok
159	10	-960	-44263,5	21309,3	0	Ok
159	10	-1013,3	-44147,7	16279,9	0	Ok
159	10	-1066,7	-44028,6	11811,4	0	Ok
159	10	-1120	-43906,5	8070,3	0	Ok
159	10	-1173,3	-43781,5	5109,9	0	Ok
159	10	-1226,7	-43653,7	2904,6	0	Ok
159	10	-1280	-43523,2	1378,6	0	Ok
159	10	-1333,3	-43390,3	426,8	0	Ok
159	10	-1386,7	-43255,1	70,4	0	Ok

159	10	-1440	-43117,6	237,7	0	Ok
159	10	-1493,3	-42978,1	199,9	0	Ok
159	10	-1546,7	-42836,7	80,2	0	Ok
159	10	-1600	-42836,7	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Wk**
			cm	daN	daN cm	mm
10	159	10	-106,7	-45662,0	657933,9	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**	**Stato**
		cm	daN	daN cm	daN/cmq	mm	
164	10	0	-45160,5	391,3	-13,7	0	Ok
164	10	-53,3	-44900,7	903,9	-13,6	0	Ok
164	10	-106,7	-44722,2	979,4	-13,6	0	Ok
164	10	-160	-44579,0	832,2	-13,5	0	Ok
164	10	-213,3	-44510,3	658,0	-13,5	0	Ok
164	10	-266,7	-44470,6	504,7	-13,5	0	Ok
164	10	-320	-44416,1	361,0	-13,5	0	Ok
164	10	-373,3	-44351,7	238,7	-13,5	0	Ok
164	10	-426,7	-44282,4	141,1	-13,5	0	Ok
164	10	-480	-44208,3	67,0	-13,4	0	Ok
164	10	-533,3	-44129,7	13,9	-13,4	0	Ok
164	10	-586,7	-44046,6	21,4	-13,4	0	Ok
164	10	-640	-43959,2	42,6	-13,4	0	Ok
164	10	-693,3	-43867,6	53,0	-13,3	0	Ok
164	10	-746,7	-43772,0	55,5	-13,3	0	Ok
164	10	-800	-43672,5	52,8	-13,3	0	Ok
164	10	-853,3	-43569,4	47,0	-13,2	0	Ok
164	10	-906,7	-43462,6	39,6	-13,2	0	Ok
164	10	-960	-43352,4	31,7	-13,2	0	Ok
164	10	-1013,3	-43239,0	24,2	-13,1	0	Ok
164	10	-1066,7	-43122,4	17,6	-13,1	0	Ok
164	10	-1120	-43002,8	12,0	-13,1	0	Ok
164	10	-1173,3	-42880,3	7,6	-13,0	0	Ok
164	10	-1226,7	-42755,1	4,3	-13,0	0	Ok
164	10	-1280	-42627,4	2,1	-13,0	0	Ok
164	10	-1333,3	-42497,2	0,6	-12,9	0	Ok
164	10	-1386,7	-42364,8	0,1	-12,9	0	Ok
164	10	-1440	-42230,1	0,4	-12,8	0	Ok
164	10	-1493,3	-42093,5	0,3	-12,8	0	Ok
164	10	-1546,7	-41955,0	0,1	-12,7	0	Ok
164	10	-1600	-41955,0	0	-12,7	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
10	164	10	0	-45160,5	391,3	-13,7	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 13,7 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 11

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	Plin.	Tipo	Vx	Vy	N	Mx	My	T
			daN	daN	daN	daN cm	daN cm	daN cm
1	11	SLU STR.	1,8	1,4	-61770	-35,0	45,9	93,7
2	11	SLU STR.	1,6	1,1	-47680	-26,6	39,2	72,1
3	11	SLU STR.	1,2	1,5	-61060	-36,6	29,1	93,8
4	11	SLU STR.	0,9	1,1	-46970	-28,1	22,4	72,2
5	11	SLU STR.	-1391,3	-4149,1	-62200	103700	-34780	94,4
6	11	SLU STR.	-1391,5	-4149,4	-48110	103700	-34790	72,8
7	11	SLU STR.	-2320,5	-6916,1	-61970	172900	-58010	95
8	11	SLU STR.	-2320,8	-6916,4	-47880	172900	-58020	73,4
9	11	SLU STR.	-1391,9	-4149,0	-61490	103700	-34800	94,5
10	11	SLU STR.	-1392,2	-4149,4	-47400	103700	-34810	72,9
11	11	SLU STR.	5720,6	17390	-63910	-434600	143000	906,7
12	11	SLU STR.	5720,4	17390	-49820	-434600	143000	885,1
13	11	SLU STR.	5720,0	17390	-63200	-434600	143000	906,8
14	11	SLU STR.	5719,7	17390	-49110	-434600	143000	885,2
15	11	SLU STR.	9532,5	28980	-64620	-724400	238300	1448,8
16	11	SLU STR.	9532,2	28980	-50530	-724400	238300	1427,2
17	11	SLU STR.	355,6	3,8	-61790	-95,7	8889,8	110,9
18	11	SLU STR.	355,3	3,5	-47700	-87,2	8883,1	89,2
19	11	SLU STR.	354,9	3,9	-61080	-97,2	8873,1	111,0
20	11	SLU STR.	354,7	3,6	-46990	-88,8	8866,4	89,3
21	11	SLU STR.	590,8	5,5	-61100	-137,7	14770	122,4
22	11	SLU STR.	590,5	5,2	-47010	-129,2	14760	100,8
23	11	SLU STR.	-1037,5	-4146,7	-62230	103700	-25940	111,6
24	11	SLU STR.	-1037,8	-4147,0	-48130	103700	-25940	89,9
25	11	SLU STR.	-1966,7	-6913,6	-62000	172800	-49170	112,2
26	11	SLU STR.	-1967,0	-6914,0	-47900	172800	-49180	90,5
27	11	SLU STR.	-1038,2	-4146,6	-61520	103700	-25950	111,7
28	11	SLU STR.	-1038,4	-4147,0	-47420	103700	-25960	90,0
29	11	SLU STR.	-802,3	-4145	-61530	103600	-20060	123,1
30	11	SLU STR.	-802,6	-4145,3	-47440	103600	-20070	101,5
31	11	SLU STR.	6074,4	17390	-63930	-434700	151900	923,9
32	11	SLU STR.	6074,1	17390	-49840	-434700	151900	902,3
33	11	SLU STR.	6073,7	17390	-63220	-434700	151800	924,0
34	11	SLU STR.	6073,5	17390	-49130	-434700	151800	902,4
35	11	SLU STR.	9886,3	28980	-64650	-724500	247200	1466,0
36	11	SLU STR.	9886,0	28980	-50560	-724400	247200	1444,4
37	11	SLU STR.	6309,6	17390	-63240	-434700	157700	935,4
38	11	SLU STR.	6309,3	17390	-49150	-434700	157700	913,8
39	11	SLU STR.	-392,5	1,2	-61830	-30,5	-9813,6	89,3
40	11	SLU STR.	-392,8	0,9	-47740	-22,0	-9820,3	67,6
41	11	SLU STR.	-393,2	1,3	-61120	-32,0	-9830,4	89,3
42	11	SLU STR.	-393,5	0,9	-47030	-23,6	-9837,1	67,7
43	11	SLU STR.	-656,1	1,2	-61160	-29,0	-16400	86,4
44	11	SLU STR.	-656,4	0,8	-47070	-20,5	-16410	64,7
45	11	SLU STR.	-1785,6	-4149,3	-62260	103700	-44640	90,0
46	11	SLU STR.	-1785,9	-4149,6	-48170	103700	-44650	68,3

47	11	SLU STR.	-2714,9	-6916,2	-62030	172900	-67870	90,5
48	11	SLU STR.	-2715,1	-6916,6	-47940	172900	-67880	68,9
49	11	SLU STR.	-1786,3	-4149,2	-61550	103700	-44660	90,1
50	11	SLU STR.	-1786,6	-4149,6	-47460	103700	-44660	68,4
51	11	SLU STR.	-2049,2	-4149,3	-61600	103700	-51230	87,1
52	11	SLU STR.	-2049,5	-4149,7	-47500	103700	-51240	65,4
53	11	SLU STR.	5326,3	17390	-63970	-434600	133200	902,3
54	11	SLU STR.	5326,0	17390	-49880	-434600	133100	880,6
55	11	SLU STR.	5325,6	17390	-63260	-434600	133100	902,4
56	11	SLU STR.	5325,3	17390	-49170	-434600	133100	880,7
57	11	SLU STR.	9138,1	28980	-64690	-724400	228500	1444,4
58	11	SLU STR.	9137,9	28980	-50590	-724400	228400	1422,7
59	11	SLU STR.	5062,7	17390	-63300	-434600	126600	899,4
60	11	SLU STR.	5062,4	17390	-49210	-434600	126600	877,7
61	11	SLU STR.	-8,6	494,7	-61940	-12370	-215,7	127,2
62	11	SLU STR.	-8,9	494,3	-47850	-12360	-222,4	105,6
63	11	SLU STR.	-9,3	494,7	-61230	-12370	-232,4	127,3
64	11	SLU STR.	-9,6	494,4	-47140	-12360	-239,1	105,6
65	11	SLU STR.	-16,3	823,5	-61340	-20590	-406,8	149,6
66	11	SLU STR.	-16,5	823,2	-47250	-20580	-413,5	128,0
67	11	SLU STR.	-1401,7	-3655,9	-62370	91400	-35040	127,9
68	11	SLU STR.	-1402,0	-3656,2	-48280	91400	-35050	106,3
69	11	SLU STR.	-2331,0	-6422,8	-62140	160600	-58270	128,5
70	11	SLU STR.	-2331,2	-6423,2	-48050	160600	-58280	106,9
71	11	SLU STR.	-1402,4	-3655,8	-61660	91390	-35060	128
72	11	SLU STR.	-1402,7	-3656,1	-47570	91400	-35070	106,4
73	11	SLU STR.	-1409,4	-3327,0	-61770	83170	-35230	150,3
74	11	SLU STR.	-1409,6	-3327,3	-47680	83180	-35240	128,7
75	11	SLU STR.	5710,2	17880	-64080	-447000	142800	940,2
76	11	SLU STR.	5709,9	17880	-49980	-447000	142700	918,6
77	11	SLU STR.	5709,5	17880	-63370	-447000	142700	940,3
78	11	SLU STR.	5709,2	17880	-49280	-447000	142700	918,7
79	11	SLU STR.	9522,0	29470	-64790	-736700	238100	1482,3
80	11	SLU STR.	9521,8	29470	-50700	-736700	238000	1460,7
81	11	SLU STR.	5702,5	18210	-63480	-455200	142600	962,6
82	11	SLU STR.	5702,3	18210	-49390	-455200	142600	941,0
83	11	SLU STR.	14,1	-463,3	-61590	11580	352,3	57,3
84	11	SLU STR.	13,8	-463,6	-47490	11590	345,5	35,6
85	11	SLU STR.	13,4	-463,2	-60880	11580	335,5	57,3
86	11	SLU STR.	13,2	-463,5	-46790	11590	328,8	35,7
87	11	SLU STR.	21,6	-773,0	-60750	19320	539,7	33,0
88	11	SLU STR.	21,3	-773,3	-46660	19330	533,0	11,4
89	11	SLU STR.	-1379,0	-4613,8	-62020	115300	-34480	58,0
90	11	SLU STR.	-1379,3	-4614,1	-47930	115400	-34480	36,3
91	11	SLU STR.	-2308,2	-7380,7	-61790	184500	-57710	58,5
92	11	SLU STR.	-2308,5	-7381,0	-47700	184500	-57710	36,9
93	11	SLU STR.	-1379,7	-4613,7	-61310	115300	-34490	58,0
94	11	SLU STR.	-1380,0	-4614,0	-47220	115400	-34500	36,4
95	11	SLU STR.	-1371,5	-4923,5	-61180	123100	-34290	33,7
96	11	SLU STR.	-1371,8	-4923,8	-47090	123100	-34290	12,1
97	11	SLU STR.	5732,9	16920	-63720	-423000	143300	870,3
98	11	SLU STR.	5732,6	16920	-49630	-423000	143300	848,6
99	11	SLU STR.	5732,2	16920	-63010	-423000	143300	870,4
100	11	SLU STR.	5732,0	16920	-48920	-423000	143300	848,7
101	11	SLU STR.	9544,8	28510	-64440	-712800	238600	1412,4
102	11	SLU STR.	9544,5	28510	-50350	-712800	238600	1390,7
103	11	SLU STR.	5740,4	16610	-62890	-415300	143500	846,1

104	11	SLU STR.	5740,1	16610	-48800	-415300	143500	824,4
105	11	SLE Rare	1,3	1,1	-47440	-27,1	33,6	72,1
106	11	SLE Rare	0,9	1,1	-46970	-28,1	22,4	72,2
107	11	SLE Rare	-927,4	-2765,9	-47730	69150	-23180	72,6
108	11	SLE Rare	-1546,9	-4610,6	-47580	115300	-38670	73,0
109	11	SLE Rare	-927,8	-2765,9	-47260	69150	-23200	72,6
110	11	SLE Rare	3813,9	11590	-48870	-289800	95350	614,1
111	11	SLE Rare	3813,4	11590	-48400	-289800	95340	614,2
112	11	SLE Rare	6355,1	19320	-49350	-482900	158900	975,5
113	11	SLE Rare	237,2	2,7	-47460	-67,5	5929,5	83,5
114	11	SLE Rare	236,7	2,7	-46990	-68,6	5918,4	83,6
115	11	SLE Rare	394,0	3,8	-47000	-95,5	9849,0	91,2
116	11	SLE Rare	-691,6	-2764,3	-47750	69110	-17290	84,0
117	11	SLE Rare	-1311,0	-4608,9	-47590	115200	-32780	84,4
118	11	SLE Rare	-692	-2764,3	-47270	69110	-17300	84,1
119	11	SLE Rare	-534,8	-2763,2	-47280	69080	-13370	91,7
120	11	SLE Rare	4049,7	11590	-48880	-289800	101200	625,6
121	11	SLE Rare	4049,3	11590	-48410	-289800	101200	625,6
122	11	SLE Rare	6591,0	19320	-49360	-483000	164800	987,0
123	11	SLE Rare	4206,5	11590	-48420	-289800	105200	633,3
124	11	SLE Rare	-261,6	1,0	-47480	-24,1	-6539,4	69,1
125	11	SLE Rare	-262,0	1	-47010	-25,1	-6550,6	69,2
126	11	SLE Rare	-437,3	0,9	-47040	-23,1	-10930	67,2
127	11	SLE Rare	-1190,3	-2766,0	-47770	69150	-29760	69,6
128	11	SLE Rare	-1809,8	-4610,7	-47620	115300	-45240	70,0
129	11	SLE Rare	-1190,8	-2766	-47300	69150	-29770	69,7
130	11	SLE Rare	-1366,0	-2766,1	-47330	69150	-34150	67,7
131	11	SLE Rare	3551,0	11590	-48910	-289800	88770	611,1
132	11	SLE Rare	3550,5	11590	-48440	-289800	88760	611,2
133	11	SLE Rare	6092,2	19320	-49390	-482900	152300	972,5
134	11	SLE Rare	3375,2	11590	-48460	-289800	84380	609,2
135	11	SLE Rare	-5,6	329,9	-47560	-8247,9	-140,8	94,4
136	11	SLE Rare	-6,1	330,0	-47080	-8248,9	-152,0	94,5
137	11	SLE Rare	-10,7	549,2	-47160	-13730	-268,2	109,4
138	11	SLE Rare	-934,4	-2437,1	-47840	60930	-23360	94,9
139	11	SLE Rare	-1553,9	-4281,7	-47690	107000	-38850	95,3
140	11	SLE Rare	-934,8	-2437,0	-47370	60930	-23370	95,0
141	11	SLE Rare	-939,5	-2217,8	-47440	55450	-23490	109,8
142	11	SLE Rare	3806,9	11920	-48980	-298000	95170	636,4
143	11	SLE Rare	3806,5	11920	-48510	-298000	95160	636,5
144	11	SLE Rare	6348,2	19650	-49460	-491200	158700	997,8
145	11	SLE Rare	3801,8	12140	-48580	-303500	95050	651,4
146	11	SLE Rare	9,5	-308,7	-47320	7717,1	237,8	47,8
147	11	SLE Rare	9,1	-308,6	-46850	7716,1	226,6	47,9
148	11	SLE Rare	14,5	-515,2	-46760	12880	362,8	31,6
149	11	SLE Rare	-919,2	-3075,7	-47610	76890	-22980	48,3
150	11	SLE Rare	-1538,7	-4920,3	-47450	123000	-38470	48,7
151	11	SLE Rare	-919,7	-3075,6	-47130	76890	-22990	48,3
152	11	SLE Rare	-914,2	-3282,2	-47050	82050	-22860	32,1
153	11	SLE Rare	3822,1	11280	-48750	-282000	95550	589,8
154	11	SLE Rare	3821,6	11280	-48270	-282000	95540	589,9
155	11	SLE Rare	6363,3	19010	-49220	-475200	159100	951,2
156	11	SLE Rare	3827,1	11070	-48190	-276900	95680	573,7
157	11	SLE Freq.	0,9	1,1	-46970	-28,1	22,4	72,2
158	11	SLE Freq.	-773,2	-2304,7	-47040	57620	-19330	72,5
159	11	SLE Freq.	3178,0	9659,2	-48160	-241500	79450	523,8
160	11	SLE Freq.	79,5	1,7	-46980	-41,6	1987,7	76,0

161	11	SLE Freq.	-86,7	1,1	-46980	-27,1	-2168,6	71,2
162	11	SLE Freq.	-1,4	110,7	-47010	-2768,4	-35,7	79,6
163	11	SLE Freq.	3,6	-102,1	-46930	2553,3	90,5	64,1
164	11	SLE Quasi P.	0,9	1,1	-46970	-28,1	22,4	72,2
165	11	SLU A1 sism.	4617,9	2949,3	-48900	-73730	115400	10140
166	11	SLU A1 sism.	6573,2	-1122,2	-46410	28060	164300	4840,1
167	11	SLU A1 sism.	-6571,4	1124,5	-47530	-28110	-164300	-4695,8
168	11	SLU A1 sism.	-4616,1	-2947,1	-45040	73680	-115400	-9997,1
169	11	SLU A1 sism.	6429,6	2689,5	-48770	-67240	160700	5237,3
170	11	SLU A1 sism.	4761,5	-862,4	-46540	21560	119000	9744,3
171	11	SLU A1 sism.	-4759,7	864,6	-47400	-21620	-119000	-9600,0
172	11	SLU A1 sism.	-6427,8	-2687,2	-45170	67180	-160700	-5093,0
173	11	SLU A1 sism.	7061,2	1112,5	-49110	-27810	176500	-4820,9
174	11	SLU A1 sism.	9016,6	-2959,0	-46620	73980	225400	-10120
175	11	SLU A1 sism.	-9014,8	2961,3	-47320	-74030	-225400	10270
176	11	SLU A1 sism.	-7059,4	-1110,2	-44830	27760	-176500	4965,2
177	11	SLU A1 sism.	8872,9	852,7	-48980	-21320	221800	-9725
178	11	SLU A1 sism.	7204,9	-2699,2	-46750	67480	180100	-5218,0
179	11	SLU A1 sism.	-7203,1	2701,5	-47190	-67540	-180100	5362,3
180	11	SLU A1 sism.	-8871,1	-850,4	-44960	21260	-221800	9869,3
181	11	SLU A1 sism.	-1579,7	7060,7	-51320	-176500	-39490	11130
182	11	SLU A1 sism.	4938,3	-6511,0	-43030	162800	123500	-6537,7
183	11	SLU A1 sism.	-4936,5	6513,3	-50910	-162800	-123400	6682,0
184	11	SLU A1 sism.	1581,5	-7058,5	-42620	176500	39540	-10990
185	11	SLU A1 sism.	-846,7	6509,7	-51390	-162700	-21170	6644,5
186	11	SLU A1 sism.	5671,3	-7062,1	-43090	176600	141800	-11030
187	11	SLU A1 sism.	-5669,5	7064,3	-50850	-176600	-141700	11170
188	11	SLU A1 sism.	848,5	-6507,4	-42550	162700	21210	-6500,2
189	11	SLU A1 sism.	4459,4	6194,6	-50890	-154900	111500	-5213,9
190	11	SLU A1 sism.	-1100,8	-5644,9	-43460	141100	-27520	9809,4
191	11	SLU A1 sism.	1102,6	5647,1	-50480	-141200	27570	-9665,1
192	11	SLU A1 sism.	-4457,6	-6192,4	-43050	154800	-111400	5358,2
193	11	SLU A1 sism.	5192,4	5643,6	-50960	-141100	129800	-9702,6
194	11	SLU A1 sism.	-367,8	-6196,0	-43520	154900	-9195,6	5320,7
195	11	SLU A1 sism.	369,6	6198,2	-50420	-155000	9240,4	-5176,4
196	11	SLU A1 sism.	-5190,6	-5641,3	-42980	141000	-129800	9846,9

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 10, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**	**Stato**
		cm	daN	daN	daN cm				
80	11	0	-50700,3	30968,6	774216,5	0,232	0,212	0,814	Ok
79	11	0	-64791,4	30969,0	774226,6	0,221	0,271	0,814	Ok
80	11	-53,3	-50407,4	2801,5	1788394	0,537	0,211	0,074	Ok

79	11	-53,3	-64417,1	2801,5	1788417	0,511	0,269	0,074	Ok
80	11	-106,7	-50206,1	5460,7	1937807	0,583	0,210	0,143	Ok
79	11	-106,7	-64159,8	5460,8	1937832	0,554	0,268	0,143	Ok
80	11	-160	-50044,7	6460,6	1646571	0,495	0,209	0,170	Ok
79	11	-160	-63953,6	6460,7	1646592	0,471	0,267	0,170	Ok
80	11	-213,3	-49967,2	5689,5	1302003	0,392	0,209	0,149	Ok
79	11	-213,3	-63854,6	5689,5	1302020	0,373	0,267	0,149	Ok
80	11	-266,7	-49922,5	5329,3	998565,1	0,301	0,209	0,140	Ok
79	11	-266,7	-63797,5	5329,4	998578,1	0,286	0,267	0,140	Ok
80	11	-320	-49861,0	4538,9	714333,3	0,215	0,208	0,119	Ok
79	11	-320	-63718,9	4539,0	714342,6	0,205	0,266	0,119	Ok
80	11	-373,3	-49788,5	3621,8	472257,3	0,142	0,208	0,095	Ok
79	11	-373,3	-63626,2	3621,8	472263,4	0,135	0,266	0,095	Ok
80	11	-426,7	-49710,4	2747,7	279096,9	0,084	0,208	0,072	Ok
79	11	-426,7	-63526,3	2747,7	279100,5	0,080	0,265	0,072	Ok
80	11	-480	-49626,9	1968,8	132554,8	0,040	0,207	0,052	Ok
79	11	-480	-63419,7	1968,8	132556,5	0,038	0,265	0,052	Ok
80	11	-533,3	-49538,2	1312,0	27552,1	0,008	0,207	0,034	Ok
79	11	-533,3	-63306,4	1312,0	27552,5	0,008	0,264	0,034	Ok
80	11	-586,7	-49444,5	785,3	42421,9	0,013	0,207	0,021	Ok
79	11	-586,7	-63186,6	785,3	42422,4	0,012	0,264	0,021	Ok
80	11	-640	-49346,0	383,8	84304,7	0,025	0,206	0,010	Ok
79	11	-640	-63060,7	383,8	84305,8	0,024	0,263	0,010	Ok
80	11	-693,3	-49242,8	94,6	104773	0,032	0,206	0,002	Ok
79	11	-693,3	-62928,8	94,6	104774,4	0,030	0,263	0,002	Ok
80	11	-746,7	-49135,0	99,5	109815,9	0,033	0,205	0,003	Ok
79	11	-746,7	-62791,1	99,5	109817,3	0,032	0,262	0,003	Ok
80	11	-800	-49022,9	216,7	104511,3	0,032	0,205	0,006	Ok
79	11	-800	-62647,8	216,7	104512,7	0,030	0,262	0,006	Ok
80	11	-853,3	-48906,6	275,2	92952,5	0,028	0,204	0,007	Ok
79	11	-853,3	-62499,2	275,2	92953,8	0,027	0,261	0,007	Ok
80	11	-906,7	-48786,3	290,9	78277,3	0,024	0,204	0,008	Ok
79	11	-906,7	-62345,4	290,9	78278,4	0,023	0,260	0,008	Ok
80	11	-960	-48662,1	277,7	62762,0	0,019	0,203	0,007	Ok
79	11	-960	-62186,7	277,7	62762,8	0,018	0,260	0,007	Ok
80	11	-1013,3	-48534,2	246,8	47949,2	0,015	0,203	0,006	Ok
79	11	-1013,3	-62023,3	246,8	47949,8	0,014	0,259	0,006	Ok
80	11	-1066,7	-48402,8	206,6	34787,9	0,011	0,202	0,005	Ok
79	11	-1066,7	-61855,3	206,6	34788,3	0,010	0,258	0,005	Ok
80	11	-1120	-48267,9	163,5	23769,4	0,007	0,202	0,004	Ok
79	11	-1120	-61683,0	163,5	23769,8	0,007	0,258	0,004	Ok
80	11	-1173,3	-48129,9	121,8	15050,1	0,005	0,201	0,003	Ok
79	11	-1173,3	-61506,6	121,8	15050,3	0,004	0,257	0,003	Ok
80	11	-1226,7	-47988,8	84,3	8554,9	0,003	0,200	0,002	Ok
79	11	-1226,7	-61326,3	84,3	8555,0	0,002	0,256	0,002	Ok
80	11	-1280	-47844,8	52,6	4060,4	0,001	0,200	0,001	Ok
79	11	-1280	-61142,3	52,6	4060,4	0,001	0,255	0,001	Ok
80	11	-1333,3	-47698,1	27,5	1257,0	0,000	0,199	0,001	Ok
79	11	-1333,3	-60954,8	27,5	1257,0	0,000	0,255	0,001	Ok
80	11	-1386,7	-47548,8	9,2	207,4	0,000	0,199	0,000	Ok
79	11	-1386,7	-60764,0	9,2	207,4	0,000	0,254	0,000	Ok
80	11	-1440	-47397,0	2,1	700,1	0,000	0,198	0,000	Ok
79	11	-1440	-60570,1	2,1	700,1	0,000	0,253	0,000	Ok
80	11	-1493,3	-47243	6,6	588,9	0,000	0,197	0,000	Ok
79	11	-1493,3	-60373,2	6,6	588,9	0,000	0,252	0,000	Ok
80	11	-1546,7	-47086,9	4,4	236,2	0,000	0,197	0,000	Ok
79	11	-1546,7	-60173,7	4,4	236,2	0,000	0,251	0,000	Ok

188	11	-1600	-39521,1	0,9	0	0	0,165	0,000	Ok
79	11	-1600	-60173,7	4,4	0	0	0,251	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	Cmb.	Palo	Quota	N	V	M	Ver. N/M	Ver.(25)	Ver.V
			cm	daN	daN	daN cm			
11	80	11	-106,7	-50206,1	5460,7	1937807	0,583	0,210	0,143
11	79	11	0	-64791,4	30969,0	774226,6	0,221	0,271	0,814

S/Su massime:
Ver. N/M = 0,583 < 1 Ok
Ver. (25) = 0,271 < 1 Ok
Ver. V = 0,814 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	Palo	Quota	N	M	Tens. A	Tens. C	Stato
		cm	daN	daN cm	daN/cmq	daN/cmq	
144	11	0	-49457,0	516155,6	-459,6	-35,6	Ok
144	11	-53,3	-49171,2	1192289	-905,4	-78,8	Ok
144	11	-106,7	-48974,9	1291899	1034,6	-86,1	Ok
144	11	-160	-48817,5	1097738	-837,8	-72,1	Ok
144	11	-213,3	-48741,9	868021	-675,7	-56,0	Ok
144	11	-266,7	-48698,3	665724,5	-542,2	-43,2	Ok
144	11	-320	-48638,3	476232,6	-436,1	-33,6	Ok
144	11	-373,3	-48567,5	314845	-361,7	-27,1	Ok
144	11	-426,7	-48491,3	186068,7	-304,0	-22,0	Ok
144	11	-480	-48409,9	88371,8	-260,1	-18,2	Ok
144	11	-533,3	-48323,4	18368,5	-228,5	-15,4	Ok
144	11	-586,7	-48232,0	28281,9	-232,5	-15,8	Ok
144	11	-640	-48135,9	56204,4	-244,5	-16,8	Ok
144	11	-693,3	-48035,2	69850,2	-250,1	-17,3	Ok
144	11	-746,7	-47930,1	73212,2	-251,1	-17,4	Ok
144	11	-800	-47820,7	69675,7	-249,0	-17,3	Ok
144	11	-853,3	-47707,3	61969,7	-245,1	-16,9	Ok
144	11	-906,7	-47589,9	52186,0	-240,2	-16,5	Ok
144	11	-960	-47468,8	41842,2	-235,0	-16,1	Ok
144	11	-1013,3	-47344	31966,8	-230,1	-15,6	Ok
144	11	-1066,7	-47215,8	23192,4	-225,6	-15,3	Ok
144	11	-1120	-47084,3	15846,6	-221,7	-14,9	Ok
144	11	-1173,3	-46949,6	10033,6	-218,5	-14,7	Ok
144	11	-1226,7	-46812,0	5703,4	-215,9	-14,4	Ok
144	11	-1280	-46671,6	2707,0	-212,7	-14,2	Ok
144	11	-1333,3	-46528,4	838,0	-212,1	-14,1	Ok
144	11	-1386,7	-46382,8	138,3	-211,4	-14,1	Ok
144	11	-1440	-46234,7	466,8	-210,8	-14,1	Ok
144	11	-1493,3	-46084,5	392,6	-210,1	-14,0	Ok
144	11	-1546,7	-45932,2	157,5	-209,4	-14,0	Ok
144	11	-1600	-45932,2	0	-209,4	-14,0	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Tens. A	Tens. C
			cm	daN	daN cm	daN/cmq	daN/cmq
11	144	11	-106,7	-48974,9	1291899	1034,6	-86,1

Valori massimi SLE condizioni rare:

Ten.massima CLS = 86,1 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 1034,6 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	Palo	Quota	N	M	Wk	Stato
		cm	daN	daN cm	mm	
159	11	0	-48157,9	254213,7	0	Ok
159	11	-53,3	-47879,6	587218,6	0	Ok
159	11	-106,7	-47688,5	636278,3	0	Ok
159	11	-160	-47535,2	540650,9	0	Ok
159	11	-213,3	-47461,6	427512,3	0	Ok
159	11	-266,7	-47419,1	327878,5	0	Ok
159	11	-320	-47360,7	234551,1	0	Ok
159	11	-373,3	-47291,8	155065,5	0	Ok
159	11	-426,7	-47217,6	91641,4	0	Ok
159	11	-480	-47138,3	43524,3	0	Ok
159	11	-533,3	-47054,1	9046,7	0	Ok
159	11	-586,7	-46965,1	13929,2	0	Ok
159	11	-640	-46871,5	27681,4	0	Ok
159	11	-693,3	-46773,4	34402,2	0	Ok
159	11	-746,7	-46671,1	36058,0	0	Ok
159	11	-800	-46564,6	34316,3	0	Ok
159	11	-853,3	-46454,2	30520,9	0	Ok
159	11	-906,7	-46339,9	25702,3	0	Ok
159	11	-960	-46221,9	20607,9	0	Ok
159	11	-1013,3	-46100,4	15744,1	0	Ok
159	11	-1066,7	-45975,6	11422,6	0	Ok
159	11	-1120	-45847,5	7804,7	0	Ok
159	11	-1173,3	-45716,4	4941,7	0	Ok
159	11	-1226,7	-45582,4	2809,0	0	Ok
159	11	-1280	-45445,6	1333,2	0	Ok
159	11	-1333,3	-45306,2	412,7	0	Ok
159	11	-1386,7	-45164,4	68,1	0	Ok
159	11	-1440	-45020,3	229,9	0	Ok
159	11	-1493,3	-44874,0	193,4	0	Ok
159	11	-1546,7	-44725,6	77,6	0	Ok
159	11	-1600	-44725,6	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Wk
			cm	daN	daN cm	mm
11	159	11	-106,7	-47688,5	636278,3	0

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	Palo	Quota	N	M	Tens. C	Wk	Stato
		cm	daN	daN cm	daN/cmq	mm	
164	11	0	-46970,3	36,0	-14,3	0	Ok
164	11	-53,3	-46699,0	83,0	-14,2	0	Ok
164	11	-106,7	-46512,5	90,0	-14,1	0	Ok
164	11	-160	-46363,0	76,5	-14,1	0	Ok
164	11	-213,3	-46291,2	60,5	-14,1	0	Ok
164	11	-266,7	-46249,8	46,4	-14,1	0	Ok
164	11	-320	-46192,9	33,2	-14,0	0	Ok

164	11	-373,3	-46125,6	21,9	-14,0	0	Ok
164	11	-426,7	-46053,3	13,0	-14,0	0	Ok
164	11	-480	-45975,9	6,2	-14,0	0	Ok
164	11	-533,3	-45893,8	1,3	-13,9	0	Ok
164	11	-586,7	-45807,0	2,0	-13,9	0	Ok
164	11	-640	-45715,7	3,9	-13,9	0	Ok
164	11	-693,3	-45620,1	4,9	-13,9	0	Ok
164	11	-746,7	-45520,2	5,1	-13,8	0	Ok
164	11	-800	-45416,4	4,9	-13,8	0	Ok
164	11	-853,3	-45308,6	4,3	-13,8	0	Ok
164	11	-906,7	-45197,2	3,6	-13,7	0	Ok
164	11	-960	-45082,1	2,9	-13,7	0	Ok
164	11	-1013,3	-44963,6	2,2	-13,7	0	Ok
164	11	-1066,7	-44841,9	1,6	-13,6	0	Ok
164	11	-1120	-44717,0	1,1	-13,6	0	Ok
164	11	-1173,3	-44589,1	0,7	-13,6	0	Ok
164	11	-1226,7	-44458,4	0,4	-13,5	0	Ok
164	11	-1280	-44325,0	0,2	-13,5	0	Ok
164	11	-1333,3	-44189,0	0,1	-13,4	0	Ok
164	11	-1386,7	-44050,7	0,0	-13,4	0	Ok
164	11	-1440	-43910,1	0,0	-13,3	0	Ok
164	11	-1493,3	-43767,4	0,0	-13,3	0	Ok
164	11	-1546,7	-43622,8	0,0	-13,3	0	Ok
164	11	-1600	-43622,8	0	-13,3	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
11	164	11	0	-46970,3	36,0	-14,3	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 14,3 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok

PALO 12

VERIFICHE DEL PLINTO

Nota: Le verifiche SLU per le cmb. di tipo sism. sono ottenute con sollecitazioni amplificate per γ_{RD} = 1,00 (7.2.5 NTC)

Sollecitazioni alla base del pilastro

Cmb	**Plin.**	**Tipo**	**Vx**	**Vy**	**N**	**Mx**	**My**	**T**
			daN	daN	daN	daN cm	daN cm	daN cm
1	12	SLU STR.	47,1	57,6	-60430	-1440,9	1178,3	-116,5
2	12	SLU STR.	36,7	44,5	-46580	-1112,3	918,4	-90,9
3	12	SLU STR.	45,0	57,0	-60000	-1424,1	1126,1	-110,9
4	12	SLU STR.	34,7	43,8	-46160	-1095,4	866,2	-85,3
5	12	SLU STR.	-5217,0	-4093	-60540	102300	-130400	-119,2
6	12	SLU STR.	-5227,4	-4106,1	-46700	102700	-130700	-93,6
7	12	SLU STR.	-8727,9	-6860,6	-60310	171500	-218200	-116,7
8	12	SLU STR.	-8738,3	-6873,7	-46470	171800	-218500	-91,2
9	12	SLU STR.	-5219,1	-4093,7	-60120	102300	-130500	-113,5
10	12	SLU STR.	-5229,5	-4106,8	-46270	102700	-130700	-88,0
11	12	SLU STR.	21960	17620	-58420	-440400	549100	786,4
12	12	SLU STR.	21950	17600	-44570	-440100	548800	812
13	12	SLU STR.	21960	17610	-57990	-440400	549000	792,1

14	12	SLU STR.	21950	17600	-44140	-440000	548800	817,6
15	12	SLU STR.	36570	29320	-56640	-733000	914300	1394
16	12	SLU STR.	36560	29310	-42800	-732700	914000	1419,6
17	12	SLU STR.	399,5	68,5	-60560	-1712,6	9986,8	-78,1
18	12	SLU STR.	389,1	55,4	-46720	-1384,0	9727,0	-52,5
19	12	SLU STR.	397,4	67,8	-60130	-1695,8	9934,7	-72,4
20	12	SLU STR.	387,0	54,7	-46290	-1367,1	9674,8	-46,9
21	12	SLU STR.	632,3	75,1	-60220	-1876,9	15810	-46,8
22	12	SLU STR.	621,9	61,9	-46380	-1548,2	15550	-21,2
23	12	SLU STR.	-4864,6	-4082,1	-60680	102100	-121600	-80,8
24	12	SLU STR.	-4875,0	-4095,3	-46830	102400	-121900	-55,2
25	12	SLU STR.	-8375,6	-6849,7	-60440	171200	-209400	-78,3
26	12	SLU STR.	-8386,0	-6862,8	-46600	171600	-209600	-52,7
27	12	SLU STR.	-4866,7	-4082,8	-60250	102100	-121700	-75,1
28	12	SLU STR.	-4877,1	-4096,0	-46400	102400	-121900	-49,5
29	12	SLU STR.	-4631,8	-4075,6	-60330	101900	-115800	-49,5
30	12	SLU STR.	-4642,2	-4088,7	-46490	102200	-116100	-23,9
31	12	SLU STR.	22320	17630	-58550	-440700	557900	824,8
32	12	SLU STR.	22310	17610	-44700	-440300	557600	850,4
33	12	SLU STR.	22310	17630	-58120	-440600	557800	830,5
34	12	SLU STR.	22300	17610	-44270	-440300	557600	856,1
35	12	SLU STR.	36920	29330	-56770	-733300	923100	1432,4
36	12	SLU STR.	36910	29320	-42930	-732900	922900	1458
37	12	SLU STR.	22550	17630	-58210	-440800	563700	856,1
38	12	SLU STR.	22540	17620	-44360	-440500	563500	881,7
39	12	SLU STR.	-346,7	53,0	-60200	-1325,9	-8666,8	-154,0
40	12	SLU STR.	-357,1	39,9	-46360	-997,3	-8926,7	-128,4
41	12	SLU STR.	-348,8	52,4	-59770	-1309,0	-8719,0	-148,3
42	12	SLU STR.	-359,2	39,2	-45930	-980,4	-8978,9	-122,7
43	12	SLU STR.	-611,3	49,3	-59620	-1232,3	-15280	-173,3
44	12	SLU STR.	-621,7	36,2	-45770	-903,7	-15540	-147,7
45	12	SLU STR.	-5610,8	-4097,6	-60320	102400	-140300	-156,7
46	12	SLU STR.	-5621,2	-4110,8	-46470	102800	-140500	-131,1
47	12	SLU STR.	-9121,7	-6865,2	-60080	171600	-228000	-154,2
48	12	SLU STR.	-9132,1	-6878,3	-46240	172000	-228300	-128,6
49	12	SLU STR.	-5612,9	-4098,3	-59890	102500	-140300	-151,0
50	12	SLU STR.	-5623,3	-4111,4	-46040	102800	-140600	-125,4
51	12	SLU STR.	-5875,4	-4101,3	-59730	102500	-146900	-176,0
52	12	SLU STR.	-5885,8	-4114,5	-45890	102900	-147100	-150,4
53	12	SLU STR.	21570	17610	-58190	-440300	539200	748,9
54	12	SLU STR.	21560	17600	-44340	-439900	539000	774,5
55	12	SLU STR.	21570	17610	-57760	-440300	539200	754,6
56	12	SLU STR.	21560	17600	-43910	-439900	538900	780,2
57	12	SLU STR.	36180	29320	-56410	-732900	904500	1356,5
58	12	SLU STR.	36170	29300	-42570	-732600	904200	1382,1
59	12	SLU STR.	21300	17610	-57610	-440200	532600	729,6
60	12	SLU STR.	21290	17590	-43760	-439900	532400	755,2
61	12	SLU STR.	36,8	561,0	-60710	-14020	921,0	-92,1
62	12	SLU STR.	26,5	547,9	-46860	-13700	661,2	-66,6
63	12	SLU STR.	34,8	560,3	-60280	-14010	868,9	-86,5
64	12	SLU STR.	24,4	547,2	-46430	-13680	609,0	-60,9
65	12	SLU STR.	27,9	895,9	-60460	-22400	697,4	-70,3
66	12	SLU STR.	17,5	882,7	-46610	-22070	437,5	-44,7
67	12	SLU STR.	-5227,3	-3589,6	-60820	89740	-130700	-94,8
68	12	SLU STR.	-5237,7	-3602,8	-46970	90070	-130900	-69,2
69	12	SLU STR.	-8738,2	-6357,2	-60590	158900	-218500	-92,4
70	12	SLU STR.	-8748,6	-6370,4	-46740	159300	-218700	-66,8

71	12	SLU STR.	-5229,4	-3590,3	-60390	89760	-130700	-89,2
72	12	SLU STR.	-5239,7	-3603,5	-46540	90090	-131000	-63,6
73	12	SLU STR.	-5236,2	-3254,8	-60570	81370	-130900	-72,9
74	12	SLU STR.	-5246,6	-3267,9	-46730	81700	-131200	-47,4
75	12	SLU STR.	21950	18120	-58690	-453000	548800	810,8
76	12	SLU STR.	21940	18110	-44840	-452600	548600	836,4
77	12	SLU STR.	21950	18120	-58260	-453000	548800	816,4
78	12	SLU STR.	21940	18110	-44410	-452600	548500	842
79	12	SLU STR.	36560	29820	-56920	-745600	914000	1418,4
80	12	SLU STR.	36550	29810	-43070	-745300	913800	1443,9
81	12	SLU STR.	21940	18450	-58440	-461300	548600	832,7
82	12	SLU STR.	21930	18440	-44600	-461000	548300	858,2
83	12	SLU STR.	59,0	-415,4	-60160	10390	1475,2	-135,1
84	12	SLU STR.	48,6	-428,6	-46320	10710	1215,3	-109,5
85	12	SLU STR.	56,9	-416,1	-59730	10400	1423,0	-129,5
86	12	SLU STR.	46,5	-429,3	-45890	10730	1163,1	-103,9
87	12	SLU STR.	64,8	-731,5	-59560	18290	1621,0	-141,9
88	12	SLU STR.	54,4	-744,6	-45710	18620	1361,1	-116,3
89	12	SLU STR.	-5205,1	-4566,1	-60280	114200	-130100	-137,8
90	12	SLU STR.	-5215,5	-4579,2	-46430	114500	-130400	-112,2
91	12	SLU STR.	-8716,1	-7333,6	-60040	183300	-217900	-135,3
92	12	SLU STR.	-8726,4	-7346,8	-46200	183700	-218200	-109,8
93	12	SLU STR.	-5207,2	-4566,8	-59850	114200	-130200	-132,1
94	12	SLU STR.	-5217,6	-4579,9	-46000	114500	-130400	-106,6
95	12	SLU STR.	-5199,3	-4882,1	-59670	122100	-130000	-144,6
96	12	SLU STR.	-5209,7	-4895,3	-45820	122400	-130200	-119,0
97	12	SLU STR.	21980	17140	-58150	-428600	549400	767,8
98	12	SLU STR.	21960	17130	-44300	-428200	549100	793,4
99	12	SLU STR.	21970	17140	-57720	-428500	549300	773,5
100	12	SLU STR.	21960	17130	-43870	-428200	549100	799,0
101	12	SLU STR.	36580	28850	-56370	-721200	914600	1375,4
102	12	SLU STR.	36570	28830	-42530	-720800	914300	1401,0
103	12	SLU STR.	21980	16830	-57540	-420700	549500	761,1
104	12	SLU STR.	21970	16810	-43690	-420300	549300	786,6
105	12	SLE Rare	36,0	44,3	-46440	-1106,7	901,0	-89,0
106	12	SLE Rare	34,7	43,8	-46160	-1095,4	866,2	-85,3
107	12	SLE Rare	-3473,4	-2722,8	-46520	68070	-86830	-90,8
108	12	SLE Rare	-5814	-4567,9	-46360	114200	-145400	-89,2
109	12	SLE Rare	-3474,8	-2723,3	-46230	68080	-86870	-87,1
110	12	SLE Rare	14650	11750	-45100	-293700	366200	512,9
111	12	SLE Rare	14650	11750	-44810	-293700	366100	516,7
112	12	SLE Rare	24390	19550	-43920	-488800	609700	918,0
113	12	SLE Rare	270,9	51,5	-46530	-1287,8	6773,4	-63,4
114	12	SLE Rare	269,5	51,1	-46240	-1276,6	6738,6	-59,7
115	12	SLE Rare	426,1	55,9	-46300	-1397,3	10650	-42,6
116	12	SLE Rare	-3238,5	-2715,6	-46600	67890	-80960	-65,2
117	12	SLE Rare	-5579,1	-4560,6	-46450	114000	-139500	-63,6
118	12	SLE Rare	-3239,9	-2716,0	-46320	67900	-81000	-61,5
119	12	SLE Rare	-3083,3	-2711,2	-46380	67780	-77080	-44,4
120	12	SLE Rare	14880	11760	-45190	-293900	372000	538,5
121	12	SLE Rare	14880	11760	-44900	-293900	372000	542,3
122	12	SLE Rare	24620	19560	-44000	-489000	615500	943,6
123	12	SLE Rare	15040	11760	-44960	-294000	375900	559,4
124	12	SLE Rare	-226,5	41,2	-46290	-1030,0	-5662,4	-114,0
125	12	SLE Rare	-227,9	40,8	-46000	-1018,7	-5697,2	-110,3
126	12	SLE Rare	-402,9	38,7	-45900	-967,6	-10070	-126,9
127	12	SLE Rare	-3735,9	-2725,9	-46360	68150	-93400	-115,8

128	12	SLE Rare	-6076,5	-4570,9	-46210	114300	-151900	-114,2
129	12	SLE Rare	-3737,3	-2726,3	-46080	68160	-93430	-112,0
130	12	SLE Rare	-3912,3	-2728,4	-45980	68210	-97810	-128,7
131	12	SLE Rare	14380	11750	-44950	-293700	359600	487,9
132	12	SLE Rare	14380	11750	-44660	-293600	359600	491,7
133	12	SLE Rare	24120	19550	-43760	-488700	603100	893,0
134	12	SLE Rare	14210	11740	-44560	-293600	355200	475,0
135	12	SLE Rare	29,2	379,8	-46620	-9495,9	729,5	-72,8
136	12	SLE Rare	27,8	379,4	-46340	-9484,7	694,7	-69,0
137	12	SLE Rare	23,2	603,1	-46460	-15080	580,4	-58,2
138	12	SLE Rare	-3480,2	-2387,3	-46700	59680	-87010	-74,6
139	12	SLE Rare	-5820,9	-4232,3	-46540	105800	-145500	-73,0
140	12	SLE Rare	-3481,6	-2387,7	-46410	59690	-87040	-70,8
141	12	SLE Rare	-3486,2	-2164,0	-46540	54100	-87150	-60,0
142	12	SLE Rare	14640	12090	-45280	-302100	366000	529,2
143	12	SLE Rare	14640	12080	-44990	-302100	366000	532,9
144	12	SLE Rare	24380	19890	-44100	-497200	609500	934,2
145	12	SLE Rare	14630	12310	-45120	-307700	365900	543,7
146	12	SLE Rare	44,0	-271,1	-46260	6777,9	1099,0	-101,4
147	12	SLE Rare	42,6	-271,6	-45980	6789,1	1064,2	-97,7
148	12	SLE Rare	47,9	-481,8	-45860	12050	1196,1	-105,9
149	12	SLE Rare	-3465,4	-3038,2	-46340	75960	-86640	-103,2
150	12	SLE Rare	-5806,1	-4883,3	-46180	122100	-145200	-101,6
151	12	SLE Rare	-3466,8	-3038,7	-46050	75970	-86670	-99,5
152	12	SLE Rare	-3461,6	-3248,9	-45930	81220	-86540	-107,7
153	12	SLE Rare	14650	11430	-44920	-285900	366400	500,5
154	12	SLE Rare	14650	11430	-44630	-285800	366300	504,3
155	12	SLE Rare	24390	19240	-43740	-480900	609800	905,6
156	12	SLE Rare	14660	11220	-44510	-280600	366500	496
157	12	SLE Freq.	34,7	43,8	-46160	-1095,4	866,2	-85,3
158	12	SLE Freq.	-2890,3	-2262,3	-46110	56560	-72260	-85,6
159	12	SLE Freq.	12210	9798,2	-45040	-245000	305300	416,4
160	12	SLE Freq.	113,0	46,2	-46190	-1155,8	2823,7	-76,7
161	12	SLE Freq.	-52,9	42,8	-46110	-1069,9	-1321,6	-93,6
162	12	SLE Freq.	32,4	155,7	-46220	-3891,9	809,1	-79,9
163	12	SLE Freq.	37,3	-61,3	-46100	1532,8	932,2	-89,4
164	12	SLE Quasi P.	34,7	43,8	-46160	-1095,4	866,2	-85,3
165	12	SLU A1 sism.	4636,5	6160,8	-51450	-154000	115900	9927,1
166	12	SLU A1 sism.	6583,1	705,3	-48330	-17630	164600	4725,7
167	12	SLU A1 sism.	-6513,8	-617,6	-43980	15440	-162800	-4896,3
168	12	SLU A1 sism.	-4567,2	-6073,2	-40860	151800	-114200	-10100
169	12	SLU A1 sism.	6441,2	5056,4	-51160	-126400	161000	5089,4
170	12	SLU A1 sism.	4778,4	1809,7	-48620	-45240	119500	9563,5
171	12	SLU A1 sism.	-4709,1	-1722,1	-43690	43050	-117700	-9734,0
172	12	SLU A1 sism.	-6371,9	-4968,8	-41160	124200	-159300	-5259,9
173	12	SLU A1 sism.	7078,9	-652,1	-52010	16300	177000	-4912,6
174	12	SLU A1 sism.	9025,5	-6107,6	-48890	152700	225600	-10110
175	12	SLU A1 sism.	-8956,2	6195,2	-43420	-154900	-223900	9943,5
176	12	SLU A1 sism.	-7009,6	739,7	-40300	-18490	-175200	4742,1
177	12	SLU A1 sism.	8883,6	-1756,5	-51720	43910	222100	-9750,4
178	12	SLU A1 sism.	7220,8	-5003,2	-49180	125100	180500	-5276,3
179	12	SLU A1 sism.	-7151,5	5090,8	-43130	-127300	-178800	5105,7
180	12	SLU A1 sism.	-8814,3	1844,1	-40600	-46100	-220400	9579,8
181	12	SLU A1 sism.	-1537,1	10150	-52480	-253800	-38430	10810
182	12	SLU A1 sism.	4951,5	-8032,0	-42080	200800	123800	-6530,7
183	12	SLU A1 sism.	-4882,2	8119,6	-50240	-203000	-122100	6360,2
184	12	SLU A1 sism.	1606,4	-10070	-39830	251600	40160	-10980

185	12	SLU A1 sism.	-804,4	8109,3	-52650	-202700	-20110	6355,3
186	12	SLU A1 sism.	5684,2	-10080	-42240	251900	142100	-10980
187	12	SLU A1 sism.	-5614,9	10160	-50070	-254100	-140400	10810
188	12	SLU A1 sism.	873,7	-8021,7	-39670	200500	21840	-6525,8
189	12	SLU A1 sism.	4478,5	6471,8	-51500	-161800	112000	-5318,6
190	12	SLU A1 sism.	-1064,1	-4350,6	-43060	108800	-26600	9595,1
191	12	SLU A1 sism.	1133,4	4438,3	-49260	-111000	28330	-9765,6
192	12	SLU A1 sism.	-4409,2	-6384,2	-40820	159600	-110200	5148,1
193	12	SLU A1 sism.	5211,2	4427,9	-51660	-110700	130300	-9770,5
194	12	SLU A1 sism.	-331,4	-6394,5	-43220	159900	-8284,2	5143,1
195	12	SLU A1 sism.	400,7	6482,1	-49090	-162100	10020	-5313,7
196	12	SLU A1 sism.	-5141,9	-4340,3	-40650	108500	-128500	9600,0

VERIFICHE PALI

Diametro palo = 60,0 cm
Armatura corrente: 10 Ø 20 = 31,4 cmq
Armatura a taglio - st. circolari:
tratto sup. (600 cm) Ø8 / 5, tratto inf. (1000 cm) Ø8 / 15

VERIFICHE VERIFICHE STATO LIMITE ULTIMO:
Ver. N/M = rapporto Sd/Su con sollecitazioni ultime proporzionali
Ver. (25)= rapporto Nd/Nu, dove Nu viene ottenuto con riduzione del 25% di fcd
Ver.V = verifica a taglio, rapporto Vd/Vrd
(Verifica positiva per valori inferiori a 1)

Cmb.	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**	**Stato**
		cm	daN	daN	daN cm				
36	12	0	-42927,6	47140	1178502	0,365	0,179	0,732	Ok
67	12	0	-60818,5	6341,1	158528,2	0,046	0,254	0,096	Ok
80	12	0	-43070,3	47166,3	1179159	0,365	0,180	0,732	Ok
36	12	-53,3	-42679,6	4264,4	2722269	0,843	0,178	0,066	Ok
67	12	-53,3	-60467,1	573,6	366190,7	0,106	0,253	0,009	Ok
80	12	-53,3	-42821,4	4266,8	2723787	0,843	0,179	0,066	Ok
36	12	-106,7	-42509,2	8312,2	2949703	0,914	0,178	0,129	Ok
67	12	-106,7	-60225,7	1118,1	396784,5	0,115	0,252	0,017	Ok
80	12	-106,7	-42650,4	8316,8	2951348	0,914	0,178	0,129	Ok
36	12	-160	-42372,6	9834,3	2506387	0,777	0,177	0,153	Ok
67	12	-160	-60032,1	1322,9	337151,1	0,098	0,251	0,020	Ok
80	12	-160	-42513,4	9839,8	2507785	0,777	0,178	0,153	Ok
36	12	-213,3	-42307,0	8660,4	1981891	0,615	0,177	0,135	Ok
67	12	-213,3	-59939,1	1165,0	266597,6	0,077	0,250	0,018	Ok
80	12	-213,3	-42447,5	8665,3	1982997	0,615	0,177	0,135	Ok
36	12	-266,7	-42269,1	8112,3	1520002	0,472	0,177	0,126	Ok
67	12	-266,7	-59885,5	1091,2	204465,7	0,059	0,250	0,016	Ok
80	12	-266,7	-42409,6	8116,8	1520850	0,472	0,177	0,126	Ok
36	12	-320	-42217,1	6909,1	1087348	0,337	0,176	0,107	Ok
67	12	-320	-59811,8	929,4	146266,6	0,042	0,250	0,014	Ok
80	12	-320	-42357,3	6912,9	1087955	0,337	0,177	0,107	Ok
36	12	-373,3	-42155,6	5513,0	718863,5	0,223	0,176	0,086	Ok
67	12	-373,3	-59724,7	741,6	96699,2	0,028	0,250	0,011	Ok
80	12	-373,3	-42295,7	5516,1	719264,4	0,223	0,177	0,086	Ok
36	12	-426,7	-42089,5	4182,5	424837,5	0,132	0,176	0,065	Ok
67	12	-426,7	-59631	562,6	57147,8	0,017	0,249	0,009	Ok
80	12	-426,7	-42229,3	4184,8	425074,4	0,132	0,176	0,065	Ok

36	12	-480	-42018,8	2996,9	201773,1	0,063	0,176	0,047	Ok
67	12	-480	-59530,9	403,1	27141,9	0,008	0,249	0,006	Ok
80	12	-480	-42158,4	2998,6	201885,6	0,063	0,176	0,047	Ok
36	12	-533,3	-41943,7	1997,1	41939,5	0,013	0,175	0,031	Ok
67	12	-533,3	-59424,5	268,6	5641,6	0,002	0,248	0,004	Ok
80	12	-533,3	-42083,1	1998,2	41962,8	0,013	0,176	0,031	Ok
36	12	-586,7	-41864,4	1195,4	64574,0	0,020	0,175	0,019	Ok
67	12	-586,7	-59312,1	160,8	8686,3	0,003	0,248	0,002	Ok
80	12	-586,7	-42003,5	1196,0	64610,0	0,020	0,175	0,019	Ok
36	12	-640	-41781,0	584,2	128327,5	0,040	0,175	0,009	Ok
67	12	-640	-59193,9	78,6	17262,2	0,005	0,247	0,001	Ok
80	12	-640	-41919,8	584,5	128399	0,040	0,175	0,009	Ok
36	12	-693,3	-41693,6	143,9	159484	0,050	0,174	0,002	Ok
67	12	-693,3	-59070,1	19,4	21453,3	0,006	0,247	0,000	Ok
80	12	-693,3	-41832,1	144,0	159573	0,050	0,175	0,002	Ok
36	12	-746,7	-41602,4	151,4	167160,2	0,052	0,174	0,002	Ok
67	12	-746,7	-58940,8	20,4	22485,9	0,007	0,246	0,000	Ok
80	12	-746,7	-41740,6	151,5	167253,4	0,052	0,174	0,002	Ok
80	12	-800	-41645,3	330,1	159174,4	0,050	0,174	0,005	Ok
67	12	-800	-58806,4	44,4	21399,7	0,006	0,246	0,001	Ok
80	12	-853,3	-41546,5	419,1	141570	0,044	0,174	0,007	Ok
67	12	-853,3	-58666,9	56,3	19032,9	0,006	0,245	0,001	Ok
80	12	-906,7	-41444,3	443,1	119219,1	0,037	0,173	0,007	Ok
67	12	-906,7	-58522,5	59,6	16028,0	0,005	0,244	0,001	Ok
80	12	-960	-41338,8	423,0	95588,7	0,030	0,173	0,007	Ok
67	12	-960	-58373,5	56,9	12851,1	0,004	0,244	0,001	Ok
80	12	-1013,3	-41230,2	375,8	73028,3	0,023	0,172	0,006	Ok
67	12	-1013,3	-58220,1	50,5	9818,1	0,003	0,243	0,001	Ok
80	12	-1066,7	-41118,5	314,7	52983,2	0,017	0,172	0,005	Ok
67	12	-1066,7	-58062,4	42,3	7123,2	0,002	0,243	0,001	Ok
80	12	-1120	-41004,0	249,0	36201,7	0,011	0,171	0,004	Ok
67	12	-1120	-57900,7	33,5	4867,0	0,001	0,242	0,001	Ok
80	12	-1173,3	-40886,7	185,5	22921,9	0,007	0,171	0,003	Ok
67	12	-1173,3	-57735,2	24,9	3081,7	0,001	0,241	0,000	Ok
80	12	-1226,7	-40766,9	128,3	13029,4	0,004	0,170	0,002	Ok
67	12	-1226,7	-57565,9	17,3	1751,7	0,001	0,240	0,000	Ok
80	12	-1280	-40644,5	80,1	6184,1	0,002	0,170	0,001	Ok
67	12	-1280	-57393,2	10,8	831,4	0,000	0,240	0,000	Ok
80	12	-1333,3	-40519,9	41,8	1914,5	0,001	0,169	0,001	Ok
67	12	-1333,3	-57217,2	5,6	257,4	0,000	0,239	0,000	Ok
80	12	-1386,7	-40393,0	14,1	315,9	0,000	0,169	0,000	Ok
67	12	-1386,7	-57038,0	1,9	42,5	0,000	0,238	0,000	Ok
80	12	-1440	-40264,1	3,2	1066,3	0,000	0,168	0,000	Ok
67	12	-1440	-56856	0,4	143,4	0,000	0,238	0,000	Ok
80	12	-1493,3	-40133,3	10,1	896,9	0,000	0,168	0,000	Ok
67	12	-1493,3	-56671,2	1,4	120,6	0,000	0,237	0,000	Ok
80	12	-1546,7	-40000,6	6,7	359,7	0,000	0,167	0,000	Ok
67	12	-1546,7	-56483,9	0,9	48,4	0,000	0,236	0,000	Ok
188	12	-1600	-36839,6	1,2	0	0	0,154	0,000	Ok
67	12	-1600	-56483,9	0,9	0	0	0,236	0,000	Ok
80	12	-1600	-40000,6	6,7	0	0	0,167	0,000	Ok

Sezioni maggiormente sollecitate:

Pl.	**Cmb.**	**Palo**	**Quota**	**N**	**V**	**M**	**Ver. N/M**	**Ver.(25)**	**Ver.V**
			cm	daN	daN	daN cm			
12	36	12	-106,7	-42509,2	8312,2	2949703	0,914	0,178	0,129
12	67	12	0	-60818,5	6341,1	158528,2	0,046	0,254	0,096

12	80	12	0	-43070,3	47166,3	1179159	0,365	0,180	0,732

S/Su massime:
Ver. N/M = 0,914 < 1 Ok
Ver. (25) = 0,254 < 1 Ok
Ver. V = 0,732 < 1 Ok

VERIFICHE STATO LIMITE DI ESERCIZIO:

Combinazioni di tipo: **SLE condizioni rare.**
Tensione lim. CLS = 149,4 daN/cmq
Tensione lim. acciaio = 3600 daN/cmq

Cmb.	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**	**Stato**
		cm	daN	daN cm	daN/cmq	daN/cmq	
144	12	0	-44098,9	786560,5	-612,2	-50,7	Ok
144	12	-53,3	-43844,1	1816908	2160,5	-125,3	Ok
122	12	-53,3	-43749,6	1815893	2161,4	-125,2	Ok
144	12	-106,7	-43669,0	1968703	2460,3	-136,3	Ok
122	12	-106,7	-43574,9	1967603	2461,1	-136,3	Ok
144	12	-160	-43528,7	1672823	1892,9	-114,9	Ok
122	12	-160	-43434,8	1671889	1893,9	-114,8	Ok
144	12	-213,3	-43461,3	1322762	1235,7	-89,3	Ok
122	12	-213,3	-43367,6	1322023	1237,0	-89,3	Ok
144	12	-266,7	-43422,4	1014486	-772,3	-66,8	Ok
144	12	-320	-43368,9	725722,5	-569,3	-46,7	Ok
144	12	-373,3	-43305,8	479786,9	-417,2	-32,5	Ok
144	12	-426,7	-43237,8	283546,8	-323,5	-24,2	Ok
144	12	-480	-43165,2	134668,2	-256,8	-18,4	Ok
144	12	-533,3	-43088,1	27991,4	-208,9	-14,2	Ok
139	12	-533,3	-45478,1	6402,9	-210,2	-14,1	Ok
156	12	-533,3	-43493,2	16425,2	-205,6	-13,9	Ok
144	12	-586,7	-43006,6	43098,3	-215,2	-14,8	Ok
144	12	-640	-42920,9	85648,9	-233,8	-16,4	Ok
144	12	-693,3	-42831,1	106443,5	-242,7	-17,2	Ok
144	12	-746,7	-42737,4	111566,8	-244,5	-17,3	Ok
144	12	-800	-42639,9	106177,6	-241,7	-17,1	Ok
144	12	-853,3	-42538,7	94434,6	-236,0	-16,6	Ok
144	12	-906,7	-42434,1	79525,4	-228,9	-16,0	Ok
144	12	-960	-42326,1	63762,6	-221,4	-15,4	Ok
144	12	-1013,3	-42214,8	48713,7	-214,1	-14,7	Ok
144	12	-1066,7	-42100,5	35342,5	-207,7	-14,2	Ok
144	12	-1120	-41983,2	24148,4	-202,1	-13,7	Ok
139	12	-1120	-44312,0	5523,8	-204,5	-13,7	Ok
156	12	-1120	-42378,0	14170,1	-199,5	-13,4	Ok
139	12	-1173,3	-44185,2	3497,5	-203,0	-13,6	Ok
138	12	-1226,7	-44202,3	1165,8	-201,5	-13,4	Ok
138	12	-1280	-44069,7	553,3	-200,9	-13,4	Ok
138	12	-1333,3	-43934,5	171,3	-200,3	-13,4	Ok
138	12	-1386,7	-43797,0	28,3	-199,6	-13,3	Ok
138	12	-1440	-43657,2	95,4	-199,0	-13,3	Ok
138	12	-1493,3	-43515,3	80,3	-198,4	-13,2	Ok
138	12	-1546,7	-43371,5	32,2	-197,7	-13,2	Ok
138	12	-1600	-43371,5	0	-197,7	-13,2	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. A**	**Tens. C**
			cm	daN	daN cm	daN/cmq	daN/cmq
12	144	12	-106,7	-43669,0	1968703	2460,3	-136,3

12	122	12	-106,7	-43574,9	1967603	2461,1	-136,3

Valori massimi SLE condizioni rare:
Ten.massima CLS = 136,3 daN/cmq < Ten. lim. CLS = 149,4 daN/cmq Ok
Ten.massima acciaio = 2461,1 daN/cmq < Ten. lim. acciaio = 3600 daN/cmq Ok

Combinazioni di tipo: **SLE condizioni frequenti.**
Fessure: Wk amm. < 0,400 mm

Cmb.	Palo	Quota	N	M	Wk	Stato
		cm	daN	daN cm	mm	
159	12	0	-45036,0	391389,7	0	Ok
159	12	-53,3	-44775,8	904086,9	0,016	Ok
159	12	-106,7	-44597,1	979619,7	0,033	Ok
159	12	-160	-44453,7	832390,9	0,004	Ok
159	12	-213,3	-44384,9	658201,7	0	Ok
159	12	-266,7	-44345,2	504804,7	0	Ok
159	12	-320	-44290,6	361117	0	Ok
159	12	-373,3	-44226,1	238740,2	0	Ok
159	12	-426,7	-44156,7	141091,9	0	Ok
159	12	-480	-44082,6	67010,4	0	Ok
159	12	-533,3	-44003,8	13928,4	0	Ok
158	12	-533,3	-45056,5	3265,5	0	Ok
163	12	-533,3	-45039,8	63,8	0	Ok
159	12	-586,7	-43920,6	21445,5	0	Ok
159	12	-640	-43833,0	42618,6	0	Ok
159	12	-693,3	-43741,4	52965,9	0	Ok
159	12	-746,7	-43645,6	55515,2	0	Ok
159	12	-800	-43546,1	52833,6	0	Ok
159	12	-853,3	-43442,8	46990,3	0	Ok
159	12	-906,7	-43335,9	39571,6	0	Ok
159	12	-960	-43225,5	31728,1	0	Ok
159	12	-1013,3	-43111,9	24239,8	0	Ok
159	12	-1066,7	-42995,2	17586,3	0	Ok
159	12	-1120	-42875,4	12016,2	0	Ok
158	12	-1120	-43901,1	2817,1	0	Ok
163	12	-1120	-43884,9	55,1	0	Ok
162	12	-1173,3	-43874,0	77,3	0	Ok
162	12	-1226,7	-43745,4	43,9	0	Ok
162	12	-1280	-43614,1	20,8	0	Ok
162	12	-1333,3	-43480,3	6,5	0	Ok
162	12	-1386,7	-43344,2	1,1	0	Ok
162	12	-1440	-43205,9	3,6	0	Ok
162	12	-1493,3	-43065,5	3,0	0	Ok
162	12	-1546,7	-42923,1	1,2	0	Ok
162	12	-1600	-42923,1	0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	Cmb.	Palo	Quota	N	M	Wk
			cm	daN	daN cm	mm
12	159	12	-106,7	-44597,1	979619,7	0,033

Valori massimi SLE condizioni frequenti:
Fessure Wk massima = 0,033 mm < Wk amm. = 0,400 mm Ok

Combinazioni di tipo: **SLE condizioni quasi permanenti.**
Tensione lim. CLS = 112,1 daN/cmq
Fessure: Wk amm. < 0,300 mm

Cmb.	Palo	Quota	N	M	Tens. C	Wk	Stato
		cm	daN	daN cm	daN/cmq	mm	
164	12	0	-46156,1	1396,5	-14,0	0	Ok

164	12	-53,3	-45889,4	3225,9	-14,1	0	Ok
164	12	-106,7	-45706,2	3495,5	-14,0	0	Ok
164	12	-160	-45559,3	2970,1	-14,0	0	Ok
164	12	-213,3	-45488,7	2348,6	-13,8	0	Ok
164	12	-266,7	-45448,0	1801,2	-13,8	0	Ok
164	12	-320	-45392,1	1288,5	-13,8	0	Ok
164	12	-373,3	-45326,0	851,9	-13,8	0	Ok
164	12	-426,7	-45254,9	503,4	-13,8	0	Ok
164	12	-480	-45178,9	239,1	-13,7	0	Ok
164	12	-533,3	-45098,2	49,7	-13,7	0	Ok
164	12	-586,7	-45012,9	76,5	-13,7	0	Ok
164	12	-640	-44923,2	152,1	-13,7	0	Ok
164	12	-693,3	-44829,2	189,0	-13,6	0	Ok
164	12	-746,7	-44731,1	198,1	-13,6	0	Ok
164	12	-800	-44629,1	188,5	-13,6	0	Ok
164	12	-853,3	-44523,2	167,7	-13,5	0	Ok
164	12	-906,7	-44413,6	141,2	-13,5	0	Ok
164	12	-960	-44300,6	113,2	-13,5	0	Ok
164	12	-1013,3	-44184,1	86,5	-13,4	0	Ok
164	12	-1066,7	-44064,5	62,8	-13,4	0	Ok
164	12	-1120	-43941,8	42,9	-13,4	0	Ok
164	12	-1173,3	-43816,1	27,1	-13,3	0	Ok
164	12	-1226,7	-43687,7	15,4	-13,3	0	Ok
164	12	-1280	-43556,6	7,3	-13,2	0	Ok
164	12	-1333,3	-43423,0	2,3	-13,2	0	Ok
164	12	-1386,7	-43287,0	0,4	-13,2	0	Ok
164	12	-1440	-43148,9	1,3	-13,1	0	Ok
164	12	-1493,3	-43008,7	1,1	-13,1	0	Ok
164	12	-1546,7	-42866,5	0,4	-13,0	0	Ok
164	12	-1600	-42866,5	0	-13,0	0	Ok

Sezioni maggiormente sollecitate:

Plin.	**Cmb.**	**Palo**	**Quota**	**N**	**M**	**Tens. C**	**Wk**
			cm	daN	daN cm	daN/cmq	mm
12	164	12	-53,3	-45889,4	3225,9	-14,1	0

Valori massimi SLE condizioni quasi permanenti:
Ten.massima CLS = 14,1 daN/cmq < Ten. lim. CLS = 112,1 daN/cmq Ok
Fessure Wk massima = 0 mm < Wk amm. = 0,300 mm Ok