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PROGETTO CIARLE

PROGETTO ESECUTIVO

OPERE DI COMPETENZA DEL MINISTERO DELLE POLITICHE AGRICOLE.
RETE RURALE NAZIONALE 2014–2020.
BANDO PSRN PROGRAMMA SVILUPPO RURALE NAZIONALE–SOTTOMISURA 4.3–
OPERAZIONE 4.3.1–INVESTIMENTI IN INFRASTRUTTURE IRRIGUE

LAVORI DI IMPLEMENTAZIONE PRIMARIA DEL SISTEMA IRRIGUO CIARLE
NEI COMUNI DI POGGIO RENATICO E TERRE DEL RENO (FE)–
CONDOTTO DISTRIBUTORE SUD E IMPIANTO DI SOLLEVAMENTO

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CALCOLI ESECUTIVI

RELAZIONE DI CALCOLO STRUTTURE IN C.A.

Oggetto dell'elaborato:
ALLEGATO D - REPORT POZZETTO GRIGLIATO

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INGEGNERIA CIVILE E TECNOLOGIE ANTINCENDIO

Comuni di Poggio Renatico e Terre del Reno

Provincia di Ferrara

Lavori di implementazione primaria del sistema irriguo Ciarle nei comuni di Poggio Renatico e Terre del Reno (FE) – Condotto distributore Sud e impianto di sollevamento

PROGETTO ESECUTIVO

RELAZIONE DI CALCOLO POZZETTO GRIGLIATO

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ALLEGATI

ALLEGATO A: Report pozzetto grigliato

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4 PREMESSA

La presente relazione si inserisce nel Progetto Esecutivo dei “Lavori di implementazione primaria del sistema irriguo Ciarle nei comuni di Poggio Renatico e Terre del Reno (FE) – Condotto distributore Sud e impianto di sollevamento”.

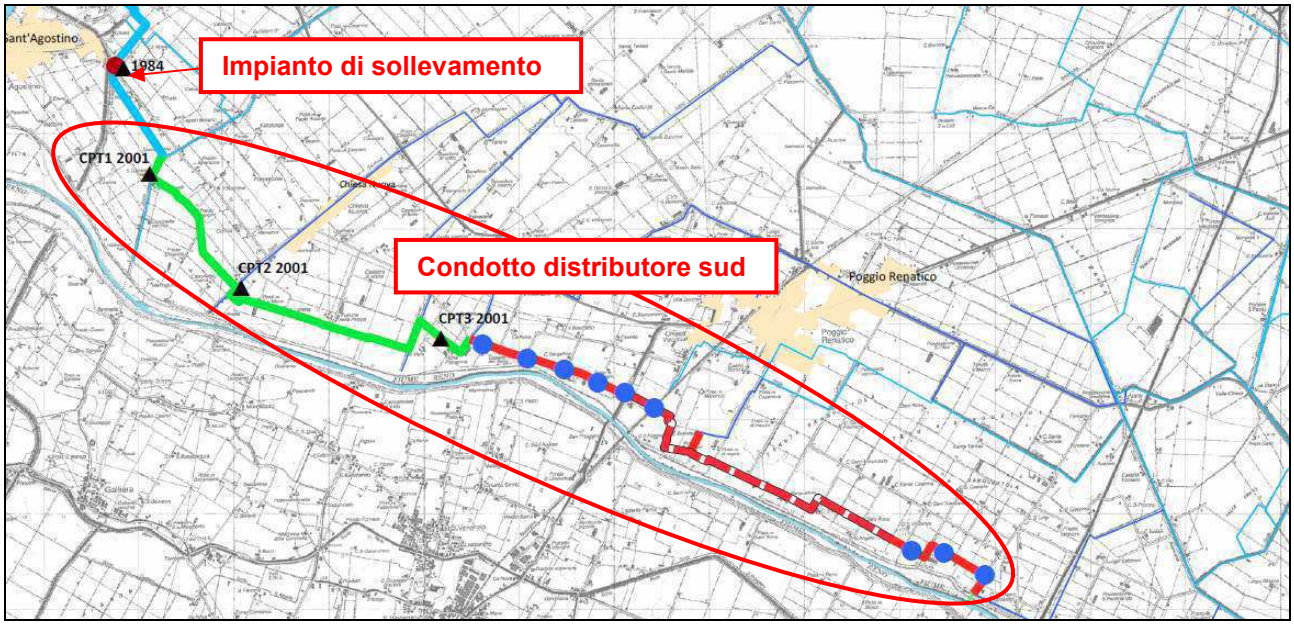


Figura 1: Quadro di unione.

5 CARATTERISTICHE DEI MATERIALI

5.1 Conglomerato cementizio

Classe	C25/30
Resistenza caratteristica cubica	$f_{ck,cube}$ = 30 N/mm^2
Resistenza caratteristica cilindrica	$f_{ck,cyl}$ = 25 N/mm^2
Resistenza di calcolo a compressione	$f_{cd} = \alpha_{cc} * f_{ck}/\gamma_c = 0,85 * f_{ck}/1,5$ = 14,167 N/mm^2
Resistenza a trazione media	$f_{ctm} = 0,30 * f_{ck}^{2/3}$ = 2,565 N/mm^2
Resistenza a trazione (frattile 5%)	$f_{ctk\ 0,05} = 0,7 * f_{ctm}$= 1,795 N/mm^2
Resistenza a trazione di calcolo	$f_{ctd} = f_{ctk0,05} / \gamma_c$ = 1,197 N/mm^2
Classe di esposizione	XC2
Classe di consistenza	S4

5.2 Acciaio per cemento armato

Per le armature metalliche si adottano tondini in acciaio del tipo B450C controllato in stabilimento che presentano le seguenti caratteristiche:

Tensione di snervamento caratteristica	$f_{yk} \geq$ 450 N/mm^2
Tensione caratteristica a rottura	$f_{tk} \geq$ 540 N/mm^2
Resistenza di calcolo	$f_{yd} = f_{yk} / \gamma_s$= 450/1,15 = 391,30 N/mm^2
Deformazione caratteristica al carico massimo	ε_{uk} = 7,5 %
Deformazione di progetto	ε_{ud} = 6,75 %

6 DURABILITÀ DELLE OPERE

Per garantire la durabilità delle strutture in calcestruzzo armato ordinario, esposte all'azione dell'ambiente, si devono adottare i provvedimenti atti a limitare gli effetti di degrado indotti dall'attacco chimico, fisico e derivante dalla corrosione delle armature e dai cicli di gelo e disgelo.

Al fine di ottenere la prestazione richiesta in funzione delle condizioni ambientali, nonché per la definizione della relativa classe, si fa riferimento alle indicazioni contenute nelle Linee Guida sul calcestruzzo strutturale edite dal Servizio Tecnico Centrale del Consiglio Superiore dei Lavori Pubblici ovvero alle norme UNI EN 206-1:2006 ed UNI 11104:2004.

1 Nessun rischio di corrosione o di attacco		
X0	Calcestruzzo privo di armatura o inserti metallici: tutte le esposizioni eccetto dove c'è gelo/disgelo, abrasione o attacco chimico. Calcestruzzo con armatura o inserti metallici molto asciutto.	Calcestruzzo all'interno di edifici con umidità dell'aria molto bassa.
2 Corrosione indotta da carbonatazione		
XC1	Asciutto o permanentemente bagnato	Calcestruzzo all'interno di edifici con bassa umidità relativa. Calcestruzzo costantemente immerso in acqua
XC2	Bagnato, raramente asciutto	Superfici di calcestruzzo a contatto con acqua per lungo tempo. Molte fondazioni
XC3	Umidità moderata	Calcestruzzo all'interno di edifici con umidità dell'aria moderata oppure elevata. Calcestruzzo esposto all'esterno protetto dalla pioggia
XC4	Ciclicamente bagnato e asciutto	Superfici di calcestruzzo soggette al contatto con acqua, non nella classe di esposizione XC2
3 Corrosione indotta da cloruri		
XD1	Umidità moderata	Superfici di calcestruzzo esposte a nebbia salina
XD2	Bagnato, raramente asciutto	Piscine. Calcestruzzo esposto ad acque industriali contenenti cloruri
XD3	Ciclicamente bagnato ed asciutto	Parti di ponti esposte a spruzzi contenenti cloruri Pavimentazioni stradali e di parcheggi
4 Corrosione indotta da cloruri presenti nell'acqua di mare		
XS1	Esposto a nebbia salina ma non in contatto diretto con acqua di mare	Strutture prossime oppure sulla costa
XS2	Permanentemente sommerso	Parti di strutture marine
XS3	Zone esposte alle onde, agli spruzzi oppure alle maree	Parti di strutture marine
5 Attacco di cicli gelo/disgelo		
XF1	Moderata saturazione d'acqua, senza impiego di agente antigelo	Superfici verticali di calcestruzzo esposte alla pioggia e al gelo
XF2	Moderata saturazione d'acqua, con uso di agente antigelo	Superfici verticali di calcestruzzo di strutture stradali esposte al gelo e nebbia di agenti antigelo
XF3	Elevata saturazione d'acqua, senza antigelo	Superfici orizzontali di calcestruzzo esposte alla pioggia e al gelo
XF4	Elevata saturazione d'acqua, con antigelo oppure acqua di mare	Strade e impalcati da ponte esposti agli agenti antigelo Superfici di calcestruzzo esposte direttamente a nebbia contenente agenti antigelo e al gelo

6. Attacco chimico		
XA1	Ambiente chimico debolmente aggressivo	Suoli naturali ed acqua del terreno
XA2	Ambiente chimico moderatamente aggressivo	Suoli naturali ed acqua del terreno
XA3	Ambiente chimico fortemente aggressivo	Suoli naturali ed acqua del terreno

Per le opere della presente relazione si adottano le classi di esposizione indicate al capitolo 5.1 ricordando che per ciascuna classe di esposizione le condizioni ambientali da considerare sono le seguenti.

Condizioni ambientali	**Classe di esposizione**
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto aggressive	XD2, XD3, XS2, XS3, XA3, XF4

Nella tabella seguente si riportano per completezza anche i limiti di apertura delle fessure in funzione delle condizioni ambientali e della sensibilità delle armature:

Gruppi di esigenze	**Condizioni ambientali**	**Combinazione di azioni**	**Armatura**			
			Sensibile		**Poco sensibile**	
			Stato limite	**w_d**	**Stato limite**	**w_d**
a	*Ordinarie*	frequente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_3$
		quasi permanente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
b	*Aggressive*	frequente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$
c	*Molto aggressive*	frequente	formazione fessure	-	ap. fessure	$\leq w_1$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$

Per tutte le parti strutturali componenti l'opera in progetto si utilizzano armature **poco sensibili**.

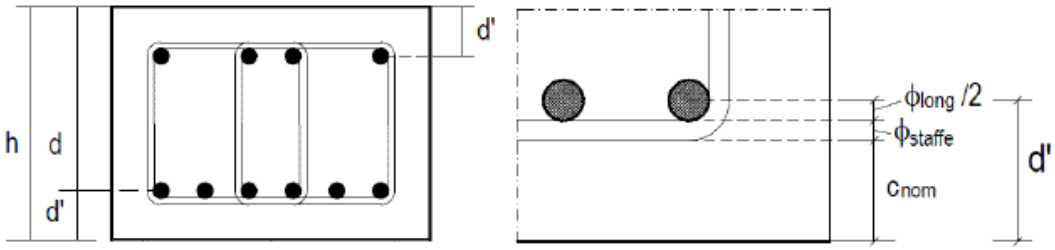
6.1 Calcolo del copriferro

Ai fini della protezione delle armature dala corrosione, lo strato di ricoprimento del calcestruzzo (copriferro) deve essere dimensionato in funzione dell'aggressività dell'ambiente e della sensibilità delle armature alla corrosione, tenendo anche conto delle tolleranze di posa delle armature; a tale scopo si può fare utile riferimento alla UNI EN 1992 1-1.

Dunque, il calcolo del copriferro di progetto è stato condotto in ottemperanza a quanto prescritto dall'EC2.

$$c_{nom} = c_{min} + \Delta c_{dev}$$

$$c_{min} = \max (c_{min,b} ; c_{min,dur} + \Delta c_{dur,\gamma} - \Delta c_{dur,st} - \Delta c_{dur,add} ; 10mm)$$



Specificatamente:

- c_{nom}= copriferro minimo di progetto (ved. formula soprastante);
- $c_{min,b}$= copriferro minimo per garantire l'aderenza – tale valore è stabilito dalla tabella seguente.

prospetto 4.2 **Copriferro minimo, $c_{min,b}$, richiesto con riferimento all'aderenza**

Requisito relativo all'aderenza	
Disposizione delle armature	Copriferro minimo $c_{min,b}$ *)
Isolate	Diametro della barra
Raggruppate	Diametro equivalente (ϕ_n) (vedere punto 8.9.1)
*) Se la dimensione nominale massima dell'aggregato è maggiore di 32 mm, si raccomanda di maggiorare $c_{min,b}$ di 5 mm.	

Nel caso in oggetto le armature possono essere di tipo raggruppato essendoci sovrapposizione tra i ferri principali.

$c_{min,\ dur}$= copriferro minimo per garantire la durabilità – tale valore è stabilito dalla tabella seguente sulla base della classe di esposizione e della classe strutturale.

prospetto 4.4N **Valori del copriferro minimo, $c_{min,dur}$, requisiti con riferimento alla durabilità per acciai da armatura ordinaria, in accordo alla EN 10080**

Requisito ambientale per $c_{min,dur}$ (mm)							
Classe strutturale	Classe di esposizione secondo il prospetto 4.1						
	X0	XC1	XC2 / XC3	XC4	XD1 / XS1	XD2 / XS2	XD3 / XS3
S1	10	10	10	15	20	25	30
S2	10	10	15	20	25	30	35
S3	10	10	20	25	30	35	40
S4	10	15	25	30	35	40	45
S5	15	20	30	35	40	45	50
S6	20	25	35	40	45	50	55

Nel caso di specie la struttura rientra nella classe di esposizione

XC2 con classe strutturale **S4**

Δc_{dev}= tolleranza di esecuzione varia da 0 a 10 mm.

Per il caso in oggetto è stata posta pari a 5mm.

Pertanto, nel caso in oggetto ed in riferimento alle armature principali si ha:

MANIFATTI IN C.A.

VERIFICA DI DURABILITA' EC 2	
Classe di esposizione	XC2
Classe strutturale	S4
Misura aggregato MAX	32
Armature isolate	si
Numero Barre	/
$c_{min,dur}$	25
Φ	16
$c_{min,b}$	16
c_{min}	25
Δc_{dev}	5
c_{nom}	30
c_{prog}	30
VERIFICA	OK

7 ANALISI DEI CARICHI

Nel presente capitolo verranno riportati tutti i carichi agenti sui manufatti, indicando le modalità di calcolo dell'azione, ma senza indicarne il valore numerico, che sarà esplicitato nel capitolo dedicato al manufatto specifico.

7.1 Carichi permanenti strutturali (g_1)

I pesi propri della struttura e dei carichi permanenti portati vengono calcolati sulla base della tipologia costruttiva e del pacchetto di carico gravante sul manufattto. In tutti i casi studiati, questo contributo viene calcolato attraverso un foglio di calcolo elettronico dedicato.

7.2 Spinta del terreno e falda

7.3 Carichi permanenti strutturali (g_1)

I pesi propri della struttura e dei carichi permanenti portati vengono calcolati sulla base della tipologia costruttiva e del pacchetto di carico gravante sul manufatto. In tutti i casi studiati, questo contributo viene calcolato attraverso un foglio di calcolo elettronico dedicato.

7.4 Spinta del terreno e falda

Il contributo dato dalla spinta del terreno, è stato valutato considerando il coefficiente di spinta a riposo λ_o, calcolato a partire dai seguenti parametri geotecnici:

γ=	19	[kN/mc]
ϕ=	30	[°]
ko=	0,500	

Sulla base della tipologia di manufatto, è stato possibile non considerare la presenza della falda.

L'andamento delle spinte con la profondità è dato dall'espressione seguente:

$p_h = \lambda_a \gamma_t z$

che determina il consueto diagramma trapezoidale delle pressioni orizzontali, agenti sui piedritti.

Naturalmente queste spinte saranno opportunamente combinate, utilizzando i valori dei coefficienti parziali delle azioni da assumere nell'analisi per la determinazione degli effetti delle azioni nelle verifiche agli stati limite ultimi.

7.5 Sovraccarico interno al pozzetto

Sulla soletta di fondazione in generale si considera il contributo dato dall'acqua interna, che viene valutato caso per caso a seconda del grado di riempimento.

7.6 Azione sismica

Le opere in progetto sono state assimilate a "Opere e sistemi Geotecnici" normati dal punto di vista sismico al capitolo 7.11 delle NTC 2018. In particolare si è fatto riferimento al capitolo relativo le Opere di sostegno, per le quali è possibile eseguire l'analisi sismica con metodi pseudo-statici.
In questo caso, l'azione sismica è rappresentata da una forza statica equivalente pari al prodotto delle forze di gravità per un opportuno coefficiente sismico.
Nelle verifiche, i valori dei coefficienti sismici orizzontale kh e verticale kv, possono essere valutati mediante le espressioni:

$$k_h = \beta_m \cdot \frac{a_{\max}}{g}$$

$$k_v = \pm 0.5 \cdot k_h$$

Dove:
β_m: è il coefficiente di riduzione dell'accelerazione massima attesa al sito;
a_{max}: accelerazione massima orizzontale attesa al sito;
g: accelerazione di gravità;

kh=	0,297	[-]
kv=	0,149	[-]
a_{max}=	0,297	[g]

a_g=	0,17	[g]
S_s=	1,80	[-]
S_t=	1,00	[-]
β=	1,00	[-]

8 POZZETTO GRIGLIATO

La progettazione è stata condotta per pozzetti con coperchio calpestabile grigliato. Di seguito vengono riportate le carpenterie relative.

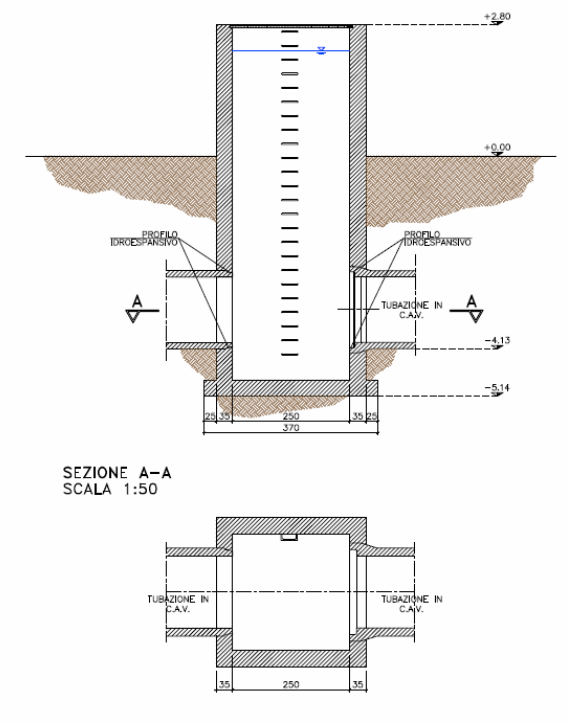


Figura 2: Carpenteria di progetto.

8.1 Modello

La struttura è stata analizzata mediante un programma di calcolo FEM denominato ProSap, prodotto dalla 2si di Ferrara.

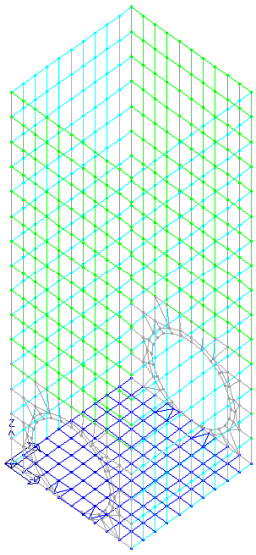


Figura 3:Modello fili fissi.

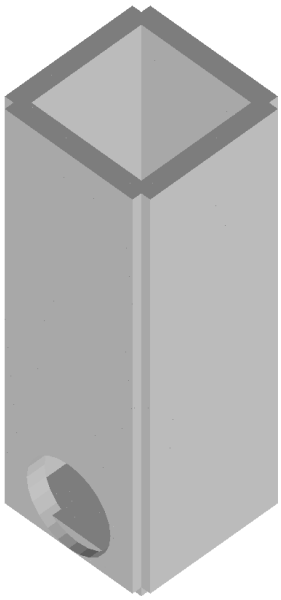


Figura 4: Modello solido veloce.

8.2 Azioni

Le azioni considerate sono state identificate come previsto al capitolo 7

Tipo	carico di pressione uniforme su piastra

Id	Tipo	pressione
		daN/cm2
9	Acqua interna su soletta inf	0.71
10	Sottospinta Falda	-0.51

Tipo	carico di pressione variabile su piastra

Id	Tipo	pressione	quota	pressione	quota
		daN/cm2	cm	daN/cm2	cm
1	Spinta Falda sx	0.0	514.00	0.51	0.0
2	Spinta Falda dx	0.0	514.00	-0.51	0.0
5	Spinta riposo sx	0.0	514.00	0.27	0.0
6	Spinta riposo dx	0.0	514.00	-0.27	0.0
7	Acqua interna sx	0.0	710.00	-0.71	0.0
8	Acqua interna dx	0.0	710.00	0.71	0.0
11	ETK PAN ++	0.29	514.00	0.29	0.0
12	ETK PAN --	-0.29	514.00	-0.29	0.0
13	Acqua interna sx1	0.0	710.00	0.71	0.0
14	Spinta Falda sx1	0.0	514.00	-0.51	0.0
16	Spinta riposo sx1	0.0	514.00	-0.27	0.0

8.3 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
1	Ggk	CDC=Gk1 (peso proprio della struttura)	
2	Gk	CDC=Gk1 (spinta a riposo)	D3 :da 1 a 98 Azione : Spinta Falda sx
			D3 :da 1 a 98 Azione : Spinta riposo sx
			D3 :da 99 a 100 Azione : Sottospinta Falda
			D3 :da 101 a 104 Azione : Spinta Falda sx
			D3 :da 101 a 104 Azione : Spinta riposo sx
			D3 :da 105 a 110 Azione : Spinta Falda dx
			D3 :da 105 a 110 Azione : Spinta riposo dx
			D3 :da 111 a 114 Azione : Spinta Falda sx
			D3 :da 111 a 114 Azione : Spinta riposo sx
			D3 :da 115 a 120 Azione : Spinta Falda dx
			D3 :da 115 a 120 Azione : Spinta riposo dx
			D3 :da 121 a 122 Azione : Spinta Falda sx
			D3 :da 121 a 122 Azione : Spinta riposo sx
			D3 :da 123 a 128 Azione : Spinta Falda dx
			D3 :da 123 a 128 Azione : Spinta riposo dx
			D3 :da 129 a 132 Azione : Spinta Falda sx
			D3 :da 129 a 132 Azione : Spinta riposo sx
			D3 :da 133 a 134 Azione : Spinta Falda dx
			D3 :da 133 a 134 Azione : Spinta riposo dx
			D3 :da 135 a 136 Azione : Spinta Falda sx
			D3 :da 135 a 136 Azione : Spinta riposo sx
			D3 : 137 Azione : Sottospinta Falda

CDC	Tipo	Sigla Id	Note
			D3 :da 138 a 147 Azione : Spinta Falda sx
			D3 :da 138 a 147 Azione : Spinta riposo sx
			D3 : 148 Azione : Sottospinta Falda
			D3 :da 149 a 158 Azione : Spinta Falda sx
			D3 :da 149 a 158 Azione : Spinta riposo sx
			D3 :da 159 a 258 Azione : Sottospinta Falda
			D3 :da 259 a 378 Azione : Spinta Falda sx
			D3 :da 259 a 378 Azione : Spinta riposo sx
			D3 :da 379 a 388 Azione : Spinta Falda dx
			D3 :da 379 a 388 Azione : Spinta riposo dx
			D3 :da 389 a 418 Azione : Spinta Falda sx
			D3 :da 389 a 418 Azione : Spinta riposo sx
			D3 :da 419 a 428 Azione : Spinta Falda dx
			D3 :da 419 a 428 Azione : Spinta riposo dx
			D3 :da 429 a 448 Azione : Spinta Falda sx
			D3 :da 429 a 448 Azione : Spinta riposo sx
			D3 :da 449 a 474 Azione : Spinta Falda dx
			D3 :da 449 a 474 Azione : Spinta riposo dx
			D3 : 475 Azione : Spinta Falda sx
			D3 : 475 Azione : Spinta riposo sx
			D3 :da 476 a 484 Azione : Spinta Falda dx
			D3 :da 476 a 484 Azione : Spinta riposo dx
			D3 : 485 Azione : Spinta Falda sx
			D3 : 485 Azione : Spinta riposo sx
			D3 :da 486 a 560 Azione : Spinta Falda dx
			D3 :da 486 a 560 Azione : Spinta riposo dx
			D3 :da 561 a 582 Azione : Spinta Falda sx
			D3 :da 561 a 582 Azione : Spinta riposo sx
			D3 :da 583 a 760 Azione : Spinta Falda sx1
			D3 :da 583 a 760 Azione : Spinta riposo sx1
			D3 :da 761 a 764 Azione : Sottospinta Falda
			D3 :da 765 a 766 Azione : Spinta Falda sx1
			D3 :da 765 a 766 Azione : Spinta riposo sx1
			D3 :da 767 a 768 Azione : Spinta Falda sx
			D3 :da 767 a 768 Azione : Spinta riposo sx
3	Qk	CDC=Qk (acqua interna allo scatolare)	D3 :da 1 a 98 Azione : Acqua interna sx
			D3 :da 99 a 100 Azione : Acqua interna su soletta inf
			D3 :da 101 a 104 Azione : Acqua interna sx
			D3 :da 105 a 110 Azione : Acqua interna dx
			D3 :da 111 a 114 Azione : Acqua interna sx
			D3 :da 115 a 120 Azione : Acqua interna dx
			D3 :da 121 a 122 Azione : Acqua interna sx
			D3 :da 123 a 128 Azione : Acqua interna dx
			D3 :da 129 a 132 Azione : Acqua interna sx
			D3 :da 133 a 134 Azione : Acqua interna dx
			D3 :da 135 a 136 Azione : Acqua interna sx
			D3 : 137 Azione : Acqua interna su soletta inf
			D3 :da 138 a 147 Azione : Acqua interna sx
			D3 : 148 Azione : Acqua interna su soletta inf
			D3 :da 149 a 158 Azione : Acqua interna sx
			D3 :da 159 a 258 Azione : Acqua interna su soletta inf
			D3 :da 259 a 378 Azione : Acqua interna sx
			D3 :da 379 a 388 Azione : Acqua interna dx
			D3 :da 389 a 418 Azione : Acqua interna sx
			D3 :da 419 a 428 Azione : Acqua interna dx
			D3 :da 429 a 448 Azione : Acqua interna sx
			D3 :da 449 a 474 Azione : Acqua interna dx
			D3 : 475 Azione : Acqua interna sx
			D3 :da 476 a 484 Azione : Acqua interna dx
			D3 : 485 Azione : Acqua interna sx
			D3 :da 486 a 560 Azione : Acqua interna dx
			D3 :da 561 a 582 Azione : Acqua interna sx
			D3 :da 583 a 760 Azione : Acqua interna sx1
			D3 :da 761 a 764 Azione : Acqua interna su soletta inf
			D3 :da 765 a 766 Azione : Acqua interna sx1
			D3 :da 767 a 768 Azione : Acqua interna sx
4	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. 0)	partecipazione:1.00 per 1 CDC=Gk1 (peso proprio della struttura)

CDC	Tipo	Sigla Id	Note
			partecipazione:1.00 per 2 CDC=Gk1 (spinta a riposo)
			partecipazione:0.80 per 3 CDC=Qk (acqua interna allo scatolare)
5	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. 0)	come precedente CDC sismico
6	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=0.0	D3 :da 1 a 96 Azione : ETK PAN ++
			D3 :da 135 a 136 Azione : ETK PAN ++
			D3 : 138 Azione : ETK PAN ++
			D3 :da 143 a 147 Azione : ETK PAN ++
			D3 :da 155 a 156 Azione : ETK PAN ++
			D3 :da 369 a 378 Azione : ETK PAN ++
			D3 :da 389 a 398 Azione : ETK PAN ++
			D3 :da 429 a 438 Azione : ETK PAN ++
			D3 :da 561 a 574 Azione : ETK PAN ++
7	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=0.0	D3 :da 105 a 110 Azione : ETK PAN --
			D3 :da 115 a 120 Azione : ETK PAN --
			D3 :da 123 a 128 Azione : ETK PAN --
			D3 :da 133 a 134 Azione : ETK PAN --
			D3 :da 379 a 388 Azione : ETK PAN --
			D3 :da 419 a 428 Azione : ETK PAN --
			D3 :da 449 a 474 Azione : ETK PAN --
			D3 :da 476 a 484 Azione : ETK PAN --
			D3 :da 486 a 560 Azione : ETK PAN --
8	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=90.00	D3 :da 97 a 98 Azione : ETK PAN ++
			D3 :da 101 a 104 Azione : ETK PAN ++
			D3 :da 111 a 114 Azione : ETK PAN ++
			D3 :da 121 a 122 Azione : ETK PAN ++
			D3 :da 129 a 132 Azione : ETK PAN ++
			D3 :da 139 a 142 Azione : ETK PAN ++
			D3 :da 149 a 154 Azione : ETK PAN ++
			D3 :da 157 a 158 Azione : ETK PAN ++
			D3 :da 259 a 368 Azione : ETK PAN ++
			D3 :da 399 a 418 Azione : ETK PAN ++
			D3 :da 439 a 448 Azione : ETK PAN ++
			D3 : 475 Azione : ETK PAN ++
			D3 : 485 Azione : ETK PAN ++
			D3 :da 575 a 582 Azione : ETK PAN ++
			D3 :da 767 a 768 Azione : ETK PAN ++
9	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=90.00	D3 :da 583 a 760 Azione : ETK PAN --
			D3 :da 765 a 766 Azione : ETK PAN --

8.4 Combinazioni di carico

Le combinazioni di carico utilizzate, rispondenti a quanto richiesto dalle NTC 2018 sono le seguenti:

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 (SLV sism.) 5	
6	SLU	Comb. SLU A1 (SLV sism.) 6	
7	SLU	Comb. SLU A1 (SLV sism.) 7	
8	SLU	Comb. SLU A1 (SLV sism.) 8	
9	SLU	Comb. SLU A1 (SLV sism.) 9	
10	SLU	Comb. SLU A1 (SLV sism.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 12	
13	SLE(f)	Comb. SLE(freq.) 13	
14	SLE(f)	Comb. SLE(freq.) 14	

Cmb	Tipo	Sigla Id	effetto P-delta
15	SLE(p)	Comb. SLE(perm.) 15	
16	SLE(p)	Comb. SLE(perm.) 16	

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
2	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0					
3	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
4	1.00	1.00	1.50	0.0	0.0	0.0	0.0	0.0	0.0					
5	1.00	1.00	0.80	-1.00	-0.30	0.0	1.00	0.0	0.30					
6	1.00	1.00	0.80	-1.00	0.30	0.0	1.00	0.30	0.0					
7	1.00	1.00	0.80	1.00	-0.30	1.00	0.0	0.0	0.30					
8	1.00	1.00	0.80	1.00	0.30	1.00	0.0	0.30	0.0					
9	1.00	1.00	0.80	-0.30	-1.00	0.0	0.30	0.0	1.00					
10	1.00	1.00	0.80	-0.30	1.00	0.0	0.30	1.00	0.0					
11	1.00	1.00	0.80	0.30	-1.00	0.30	0.0	0.0	1.00					
12	1.00	1.00	0.80	0.30	1.00	0.30	0.0	1.00	0.0					
13	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
14	1.00	1.00	0.90	0.0	0.0	0.0	0.0	0.0	0.0					
15	1.00	1.00	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	0.0	0.0	0.0					

8.5 Sollecitazioni

Si riportano di seguito le principali azioni agenti sulla struttura.

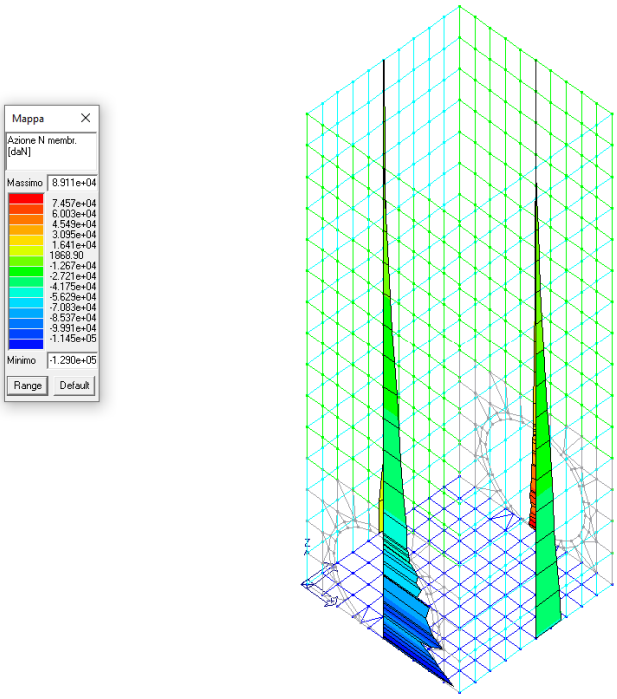


Figura 5: Azioni Macro – Nmin e Nmax

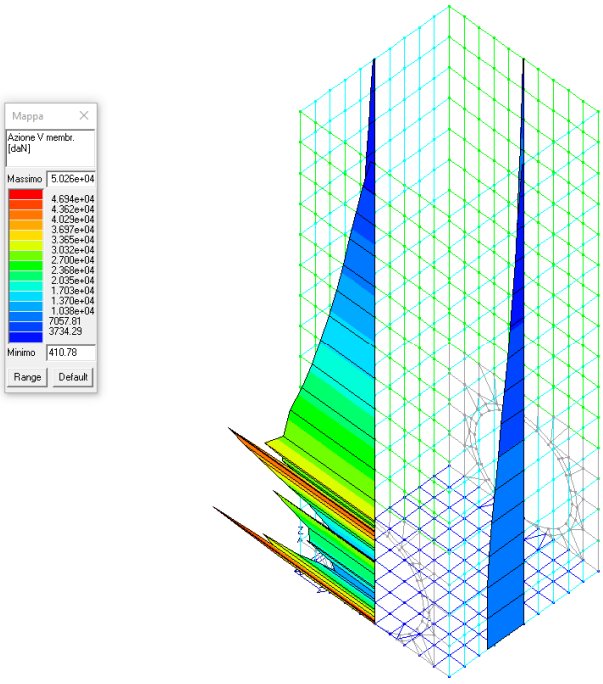


Figura 6: Azioni Macro – Max Taglio

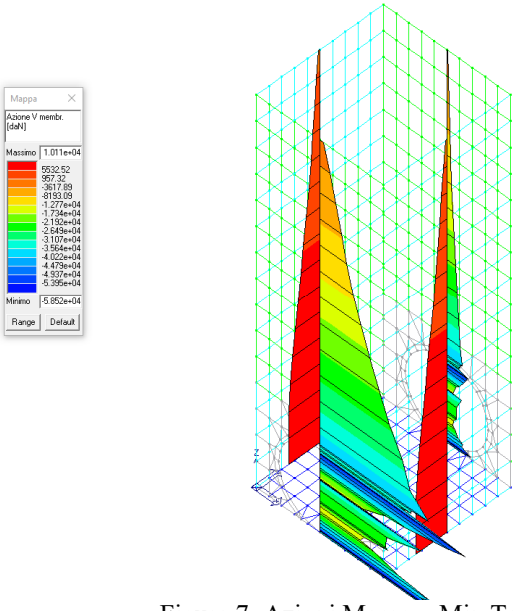


Figura 7: Azioni Macro – Min Taglio

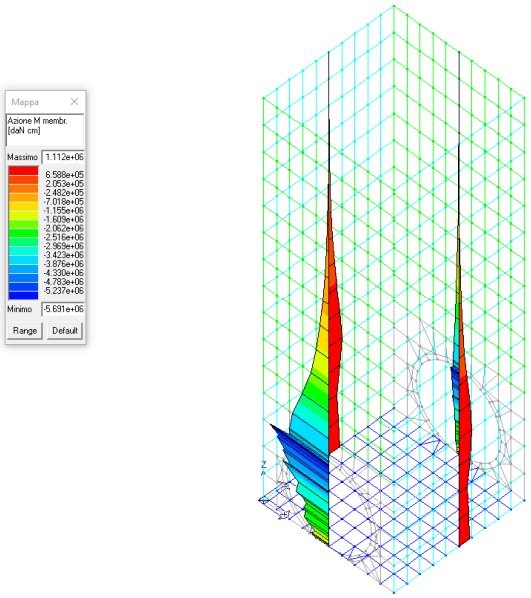


Figura 8: Azioni Macro – Mmin.

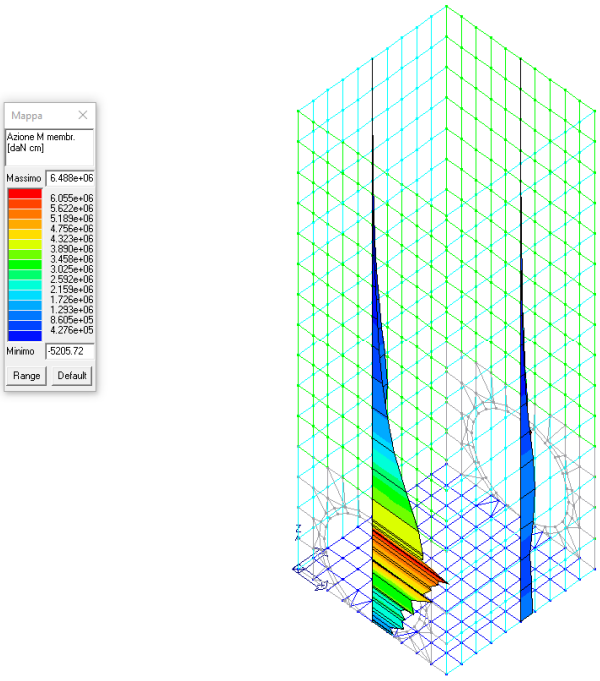
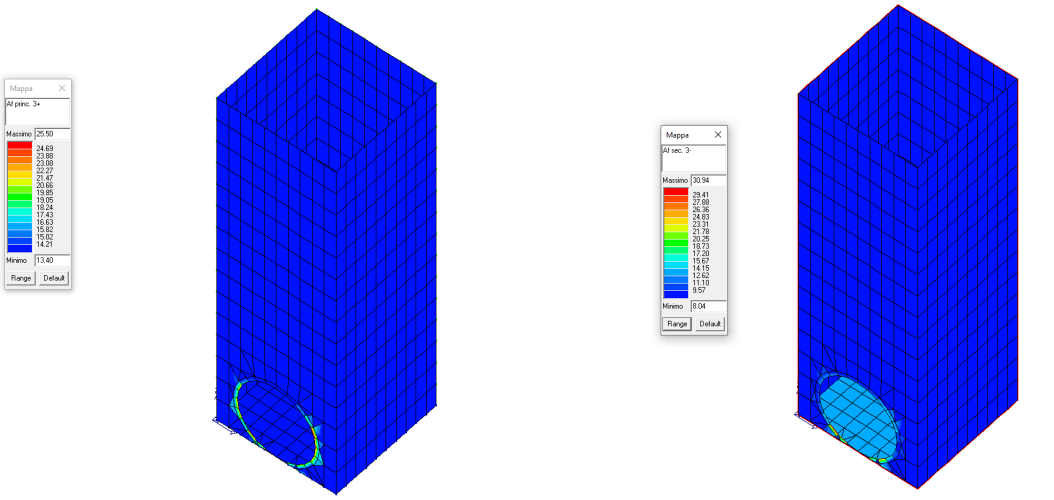


Figura 9: Azioni Macro – Mmax

8.6 Verifiche

8.6.1 Verifiche agli SLU

Le verifiche condotte permettono di identificare il minimo quantitativo di armatura necessaria per le verifiche di resistenza.
Nel caso in oggetto l'armatura minima necessaria è la medesima per tutte gli elementi costitutivi del pozzetto, ed è indicata in Figura 10.



Armatura principale *Armatura secondaria*

Figura 10: Armatura minima necessaria.

SOLETTA Armatura principale ϕ 16/15
Armatura secondaria ϕ 16/15

PARETI Armatura principale ϕ 16/15
Armatura secondaria ϕ 16/25

In corrispondenza del foro di ingresso delle tubazioni si verifica un aumento delle sollecitazioni, che richiede un maggiore quantitativo di armatura.

Nelle immagini seguenti verrà indicato il quantitativo di armatura richiesta dal calcolo e il numero di spezzoni aggiuntivi previsti.

Per quanto concerne il foro, il massimo quantitativo di armatura richiesta è pari a 2.77 cmq/m. A tal proposito si prevede l'inserimento di 3+3 ϕ16 disposti su otto lati, intorno al foro.

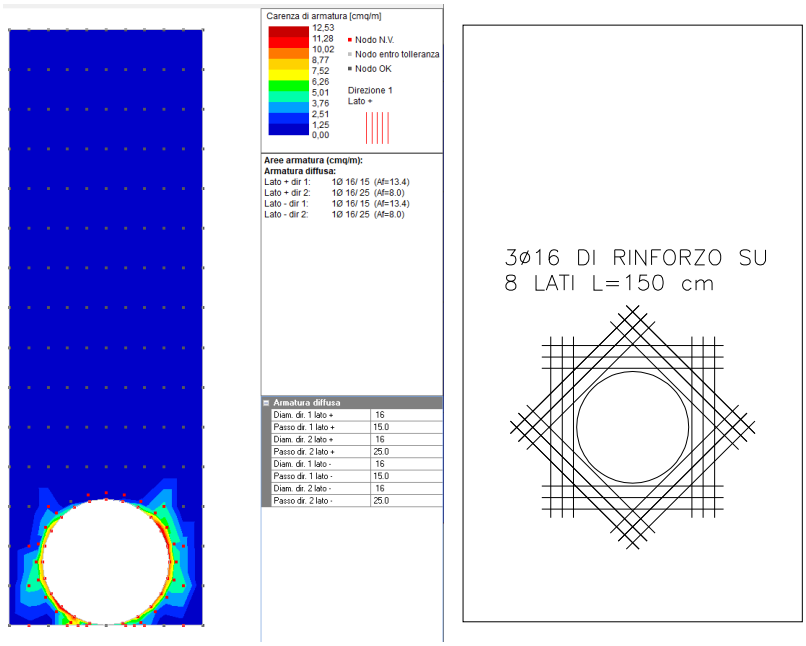


Figura 11: Indicazione delle zone dove è necessario prevedere delle armature aggiuntive e schema armatura di rinforzo fori.

8.6.2 Verifiche agli SLE

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).

Lo stato limite di fessurazione è scelto in base condizioni ambientali, legate anche alla classe di esposizione del calcestruzzo.

CONDIZIONI AMBIENTALI	CLASSE DI ESPOSIZIONE
Ordinarie	X0, XC1, XC2, XC3, XF1
Aggressive	XC4, XD1, XS1, XA1, XA2, XF2, XF3
Molto aggressive	XD2, XD3, XS2, XS3, XA3, XF4

Gruppi di esigenze	Condizioni ambientali	Combinazione di azioni	Armatura			
			Sensibile		Poco sensibile	
			Stato limite	w_d	Stato limite	w_d
a	Ordinarie	frequente	ap. fessure	$\leq w_2$	ap. fessure	$\leq w_3$
		quasi permanente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
b	Aggressive	frequente	ap. fessure	$\leq w_1$	ap. fessure	$\leq w_2$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$
c	Molto aggressive	frequente	formazione fessure	-	ap. fessure	$\leq w_1$
		quasi permanente	decompressione	-	ap. fessure	$\leq w_1$

Dove:

$w_1 = 0{,}2$ mm

$w_2 = 0{,}3$ mm

$w_3 = 0{,}4$ mm

In relazione alla tipologia di calcestruzzo si hanno infatti diverse condizioni ambientali.

Per i risultati si faccia riferimento a quanto contenuto in Allegato A in quanto dalla verifica condotta si ottiene una ampiezza delle fessure w=0.

8.6.3 Verifiche a galleggiamento

Per la stabilità al sollevamento deve risultare che il valore di progetto dell'azione instabilizzante $V_{inst,d}$, combinazione di azioni permanenti ($G_{inst,d}$), sia non maggiore della combinazione dei valori di progetto delle azioni stabilizzanti ($G_{stb,d}$) e delle resistenze (R_d):

$$V_{inst,d} \leq G_{stb,d} + R_d \qquad \text{dove} \quad V_{inst,d} = G_{inst,d}$$

I coefficienti parziali sulle azioni sono i seguenti:

	Effetto	Coefficiente Parziale γ_F (o γ_E)	Sollevamento (UPL)
Carichi permanenti G_1	Favorevole	γ_{G1}	0,9
	Sfavorevole		1,1
Carichi permanenti G_2[1]	Favorevole	γ_{G2}	0,8
	Sfavorevole		1,5
Azioni variabili Q	Favorevole	γ_{Qi}	0,0
	Sfavorevole		1,5

[1] Per i carichi permanenti G2 si applica quanto indicato alla Tabella 2.6.I. Per la spinta delle terre si fa riferimento ai coefficienti γ_{G1}

VERIFICA A GALLEGGIAMENTO

TIPO	POZZ. GRIGL.	
Ginst,d	51,40	kPa
Qinst,d	0,00	kPa
Gstb,d	79,91	kPa

Vinst,d	56,54	kPa	
Gstb,d	71,92	kPa	
γG,inst	1,10		
γG,stb	0,90		
γ		1,27	VERO

La verifica a galleggiamento risulta soddisfatta.

ALLEGATO A:
OUTPUT DI CALCOLO POZZETTO GRIGLIATO



PRO_SAP

PROfessional **S**tructural **A**nalysis **P**rogram

Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 17 Gennaio 2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo”.

2S.I. Software e Servizi per l'Ingegneria S.r.l.

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D.M. 17/01/18 cap. 10.2 Affidabilità dei codici utilizzati

https://www.2si.it/it/prodotti/affidabilita/

INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto

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:

26 maggio 2020

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CARATTERISTICHE MATERIALI UTILIZZATI

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 sopraripportati 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	cemento armato		
		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 (tipicamente 0.4)
	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

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

Con 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” - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Modellazione di strutture in c.a.

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41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.

47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
51	FATTORE DI STRUTTURA
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
54	PARETI IN C.A. SNELLE IN ZONA SISMICA
80	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
120	PROGETTO E VERIFICA DI TRAVI PREM

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008
61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
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75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

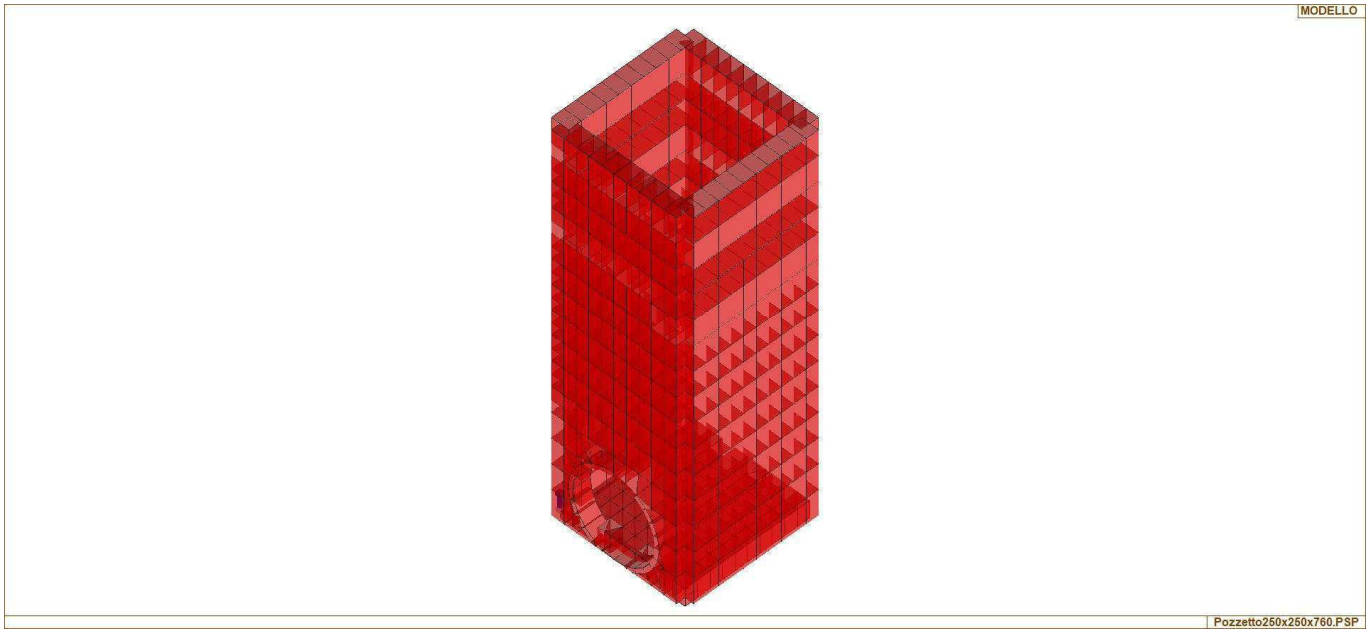
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84	ANALISI ELASTO PLASTICA INCREMENTALE, PARETE IN MURATURA
86	VERIFICA NON SISMICA DELLE MURATURE (D.M. 87 TA)
87	VERIFICA NON SISMICA DELLE MURATURE (D.M. 2005 SL)
88	FATTORE DI STRUTTURA

Modellazione di strutture in legno

Test N°	Titolo
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
89	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
90	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
91	FATTORE DI STRUTTURA

92	VERIFICHE EC5
93	SNELLEZZE EC5
94	VERIFICA AL FUOCO DI STRUTTURE IN LEGNO SECONDO EC5
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
1	c.a. classe 30			3.122e+05	0.12	1.394e+05	2.50e-03	1.00e-05	
	Resistenza Rc	300.0							
	Resistenza fctm		26.1						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



11_MOD_MATERIALI_D3

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Singolo elemento	Singolo elemento				
Armatura						
Inclinazione Av [gradi]	90.00	90.00				
Angolo Av-Ao [gradi]	90.00	90.00				
Minima tesa	0.25	0.25				
Massima tesa	4.00	4.00				
Maglia unica centrale	No	No				
Unico strato verticale	No	No				
Unico strato orizzontale	No	No				
Copriferro [cm]	3.00	3.00				
Maglia V						
diametro	16	16				
passo	15	15				
diametro aggiuntivi	16	16				

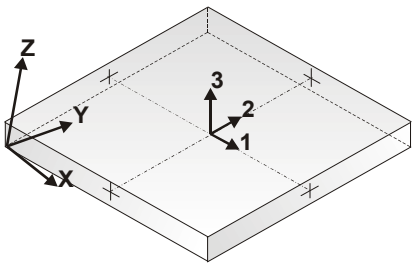
Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Maglia O						
diametro	12	16				
passo	25	25				
diametro aggiuntivi	12	16				
Stati limite ultimi						
Tensione fy [daN/cm2]	4300.00	4300.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	Si	Si				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	130.00	130.00				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Parete estesa debolmente armata						
Fattore amplificazione taglio V	1.50	1.50				
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0				
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0				
Diagramma inviluppo taglio	No	No				
Vincolo lati	nessun lato	nessun lato				
Verifica come fascia	No	No				
Diametro di estremità	0	0				
Zona confinata						
Minima tesa	1.00	1.00				
Massima tesa	4.00	4.00				
Distanza barre [cm]	2.00	2.00				
Interferro	2	2				
Armatura inclinata						
Area barre [cm2]	0.0	0.0				
Angolo orizzontale [gradi]	0.0	0.0				
Distanza di base [cm]	0.0	0.0				
Resistenza al fuoco						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	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				
Angolo Ax-Ay [gradi]	90.00	90.00				
Minima tesa	0.33	0.33				
Massima tesa	0.81	0.81				
Maglia unica centrale	No	No				
Copriferro [cm]	3.00	3.00				
Maglia x						
diametro	16	16				
passo	15	15				
diametro aggiuntivi	16	16				
Maglia y						
diametro	16	16				
passo	15	15				
diametro aggiuntivi	16	16				
Stati limite ultimi						
Tensione fy [daN/cm2]	4300.00	4300.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	Si	Si				
Applica SLU da DIN	No	No				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Resistenza al fuoco						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	15	15				

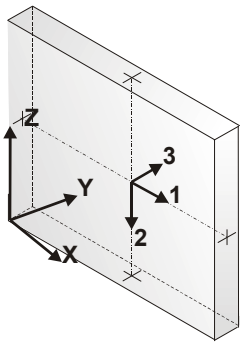
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

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

Con 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*" - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
8	MENSOLE CON ELEMENTI PLATE E MATERIALE ORTOTROPO
10	PIASTRA CON ELEMENTI PLATE E MATERIALE ORTOTROPO
21	DRILLING
25	TENSIONI DI ELEMENTI PLATE
31	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON PUNTI FISSI IMPORTATA DA FILE .DXF
32	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON SEGMENTI E FORI INTERNI IMPORTATA DA FILE .DXF
33	REALIZZAZIONE DI MESH PIANE SU GEOMETRIE COSTRUITE IN PRO_SAP
34	ANALISI DI BUCKLING DI PIASTRA ISOTROPA
35	ANALISI DI BUCKLING DI UN CILINDRO COMPRESSO INCASTRATO ALLA BASE
36	ANALISI DI PARETI FORATE
37	BIMETALLIC STRIP (NAFEMS EXERCISE 6)
38	ANALISI ELASTICA DI PIASTRA CON INTAGLIO CIRCOLARE (FLAT BAR WITH EDGE NOTCHES-NAFEMS EXERCISE 9)
39	PLATEA NERVATA
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Svincolo	Wink V daN/cm3	Wink O daN/cm3
1	Setto	320	76	77	322	1	35.0			
2	Setto	322	77	78	324	1	35.0			
3	Setto	324	78	79	326	1	35.0			
4	Setto	326	79	80	328	1	35.0			
5	Setto	328	80	81	330	1	35.0			
6	Setto	330	81	82	332	1	35.0			
7	Setto	195	198	83	73	1	35.0			
8	Setto	73	83	84	74	1	35.0			
9	Setto	74	84	85	75	1	35.0			
10	Setto	75	85	86	76	1	35.0			
11	Setto	76	86	87	77	1	35.0			
12	Setto	77	87	88	78	1	35.0			
13	Setto	78	88	89	79	1	35.0			
14	Setto	79	89	90	80	1	35.0			
15	Setto	80	90	91	81	1	35.0			

16	Setto	81	91	92	82	1	35.0
17	Setto	198	200	93	83	1	35.0
18	Setto	83	93	94	84	1	35.0
19	Setto	84	94	95	85	1	35.0
20	Setto	85	95	96	86	1	35.0
21	Setto	86	96	97	87	1	35.0
22	Setto	87	97	98	88	1	35.0
23	Setto	88	98	99	89	1	35.0
24	Setto	89	99	100	90	1	35.0
25	Setto	90	100	101	91	1	35.0
26	Setto	91	101	102	92	1	35.0
27	Setto	200	202	103	93	1	35.0
28	Setto	93	103	104	94	1	35.0
29	Setto	94	104	105	95	1	35.0
30	Setto	95	105	106	96	1	35.0
31	Setto	96	106	107	97	1	35.0
32	Setto	97	107	108	98	1	35.0
33	Setto	98	108	109	99	1	35.0
34	Setto	99	109	110	100	1	35.0
35	Setto	100	110	111	101	1	35.0
36	Setto	101	111	112	102	1	35.0
37	Setto	202	204	113	103	1	35.0
38	Setto	103	113	114	104	1	35.0
39	Setto	104	114	115	105	1	35.0
40	Setto	105	115	116	106	1	35.0
41	Setto	106	116	117	107	1	35.0
42	Setto	107	117	118	108	1	35.0
43	Setto	108	118	120	109	1	35.0
44	Setto	109	120	121	110	1	35.0
45	Setto	110	121	122	111	1	35.0
46	Setto	111	122	123	112	1	35.0
47	Setto	204	206	124	113	1	35.0
48	Setto	113	124	127	114	1	35.0
49	Setto	114	127	128	115	1	35.0
50	Setto	115	128	129	116	1	35.0
51	Setto	116	129	130	117	1	35.0
52	Setto	117	130	132	118	1	35.0
53	Setto	118	132	133	120	1	35.0
54	Setto	120	133	134	121	1	35.0
55	Setto	121	134	135	122	1	35.0
56	Setto	122	135	136	123	1	35.0
57	Setto	206	208	137	124	1	35.0
58	Setto	124	137	138	127	1	35.0
59	Setto	127	138	139	128	1	35.0
60	Setto	128	139	140	129	1	35.0
61	Setto	129	140	141	130	1	35.0
62	Setto	130	141	142	132	1	35.0
63	Setto	132	142	143	133	1	35.0
64	Setto	133	143	144	134	1	35.0
65	Setto	134	144	145	135	1	35.0
66	Setto	135	145	146	136	1	35.0
67	Setto	208	210	147	137	1	35.0
68	Setto	137	147	148	138	1	35.0
69	Setto	138	148	150	139	1	35.0
70	Setto	139	150	152	140	1	35.0
71	Setto	140	152	153	141	1	35.0
72	Setto	141	153	154	142	1	35.0
73	Setto	142	154	155	143	1	35.0
74	Setto	143	155	156	144	1	35.0
75	Setto	144	156	157	145	1	35.0
76	Setto	145	157	158	146	1	35.0
77	Setto	210	212	159	147	1	35.0
78	Setto	147	159	160	148	1	35.0
79	Setto	148	160	149	150	1	35.0
80	Setto	150	149	119	152	1	35.0
81	Setto	152	119	125	153	1	35.0
82	Setto	153	125	126	154	1	35.0
83	Setto	154	126	131	155	1	35.0
84	Setto	155	131	151	156	1	35.0
85	Setto	156	151	162	157	1	35.0
86	Setto	157	162	173	158	1	35.0
87	Setto	212	214	429	159	1	35.0
88	Setto	159	429	431	160	1	35.0
89	Setto	160	431	434	149	1	35.0
90	Setto	149	434	436	119	1	35.0
91	Setto	119	436	438	125	1	35.0
92	Setto	125	438	440	126	1	35.0

93	Setto	126	440	442	131	1	35.0		
94	Setto	131	442	445	151	1	35.0		
95	Setto	151	445	447	162	1	35.0		
96	Setto	162	447	449	173	1	35.0		
97	Setto	183	193	417	406	1	35.0		
98	Setto	193	345	428	417	1	35.0		
99	Guscio fond.	228	386	227		1	35.0	1.80	1.00
100	Guscio fond.	227	386	238		1	35.0	1.80	1.00
101	Setto	174	172	567	574	1	35.0		
102	Setto	396	174	574	179	1	35.0		
103	Setto	335	396	179	181	1	35.0		
104	Setto	335	181	185	387	1	35.0		
105	Setto	605	459	457	526	1	35.0		
106	Setto	459	609	463	457	1	35.0		
107	Setto	609	167	467	463	1	35.0		
108	Setto	167	171	471	467	1	35.0		
109	Setto	171	184	476	471	1	35.0		
110	Setto	184	410	480	476	1	35.0		
111	Setto	387	185	572	367	1	35.0		
112	Setto	367	572	375	344	1	35.0		
113	Setto	186	188	385	484	1	35.0		
114	Setto	484	385	561	563	1	35.0		
115	Setto	410	432	485	480	1	35.0		
116	Setto	432	435	489	485	1	35.0		
117	Setto	435	439	493	489	1	35.0		
118	Setto	439	455	446	493	1	35.0		
119	Setto	428	559	460	345	1	35.0		
120	Setto	559	2	576	460	1	35.0		
121	Setto	563	561	565	164	1	35.0		
122	Setto	166	164	565	165	1	35.0		
123	Setto	2	12	578	576	1	35.0		
124	Setto	12	22	580	578	1	35.0		
125	Setto	22	32	582	580	1	35.0		
126	Setto	32	42	584	582	1	35.0		
127	Setto	42	52	586	584	1	35.0		
128	Setto	52	62	588	586	1	35.0		
129	Setto	364	346	376	366	1	35.0		
130	Setto	355	454	364	366	1	35.0		
131	Setto	354	570	454	355	1	35.0		
132	Setto	344	375	570	354	1	35.0		
133	Setto	62	72	590	588	1	35.0		
134	Setto	72	549	458	590	1	35.0		
135	Setto	611	592	479	499	1	35.0		
136	Setto	592	594	481	479	1	35.0		
137	Guscio fond.	386	239	238		1	35.0	1.80	1.00
138	Setto	594	596	483	481	1	35.0		
139	Setto	365	175	260		1	35.0		
140	Setto	239	187	365		1	35.0		
141	Setto	177	166	165		1	35.0		
142	Setto	175	166	177	260	1	35.0		
143	Setto	596	598	486	483	1	35.0		
144	Setto	598	600	488	486	1	35.0		
145	Setto	600	602	490	488	1	35.0		
146	Setto	602	604	492	490	1	35.0		
147	Setto	604	606	494	492	1	35.0		
148	Guscio fond.	260	177	259		1	35.0	1.80	1.00
149	Setto	190	189	188	186	1	35.0		
150	Setto	192	191	189	190	1	35.0		
151	Setto	368	378	475	172	1	35.0		
152	Setto	378	389	397	475	1	35.0		
153	Setto	397	398	356		1	35.0		
154	Setto	397	400	398		1	35.0		
155	Setto	606	608	496	494	1	35.0		
156	Setto	608	421	521	496	1	35.0		
157	Setto	377	356	191	192	1	35.0		
158	Setto	397	356	377	388	1	35.0		
159	Guscio fond.	194	197	196	195	1	35.0	1.80	1.00
160	Guscio fond.	195	196	199	198	1	35.0	1.80	1.00
161	Guscio fond.	198	199	201	200	1	35.0	1.80	1.00
162	Guscio fond.	200	201	203	202	1	35.0	1.80	1.00
163	Guscio fond.	202	203	205	204	1	35.0	1.80	1.00
164	Guscio fond.	204	205	207	206	1	35.0	1.80	1.00
165	Guscio fond.	206	207	209	208	1	35.0	1.80	1.00
166	Guscio fond.	208	209	211	210	1	35.0	1.80	1.00
167	Guscio fond.	210	211	213	212	1	35.0	1.80	1.00
168	Guscio fond.	212	213	215	214	1	35.0	1.80	1.00
169	Guscio fond.	197	217	216	196	1	35.0	1.80	1.00

170	Guscio fond.	196	216	218	199	1	35.0	1.80	1.00
171	Guscio fond.	199	218	219	201	1	35.0	1.80	1.00
172	Guscio fond.	201	219	220	203	1	35.0	1.80	1.00
173	Guscio fond.	203	220	221	205	1	35.0	1.80	1.00
174	Guscio fond.	205	221	222	207	1	35.0	1.80	1.00
175	Guscio fond.	207	222	223	209	1	35.0	1.80	1.00
176	Guscio fond.	209	223	224	211	1	35.0	1.80	1.00
177	Guscio fond.	211	224	225	213	1	35.0	1.80	1.00
178	Guscio fond.	213	225	226	215	1	35.0	1.80	1.00
179	Guscio fond.	217	228	227	216	1	35.0	1.80	1.00
180	Guscio fond.	216	227	229	218	1	35.0	1.80	1.00
181	Guscio fond.	218	229	230	219	1	35.0	1.80	1.00
182	Guscio fond.	219	230	231	220	1	35.0	1.80	1.00
183	Guscio fond.	220	231	232	221	1	35.0	1.80	1.00
184	Guscio fond.	221	232	233	222	1	35.0	1.80	1.00
185	Guscio fond.	222	233	234	223	1	35.0	1.80	1.00
186	Guscio fond.	223	234	235	224	1	35.0	1.80	1.00
187	Guscio fond.	224	235	236	225	1	35.0	1.80	1.00
188	Guscio fond.	225	236	237	226	1	35.0	1.80	1.00
189	Guscio fond.	259	177	270		1	35.0	1.80	1.00
190	Guscio fond.	227	238	240	229	1	35.0	1.80	1.00
191	Guscio fond.	229	240	241	230	1	35.0	1.80	1.00
192	Guscio fond.	230	241	242	231	1	35.0	1.80	1.00
193	Guscio fond.	231	242	243	232	1	35.0	1.80	1.00
194	Guscio fond.	232	243	244	233	1	35.0	1.80	1.00
195	Guscio fond.	233	244	245	234	1	35.0	1.80	1.00
196	Guscio fond.	234	245	246	235	1	35.0	1.80	1.00
197	Guscio fond.	235	246	247	236	1	35.0	1.80	1.00
198	Guscio fond.	269	268	625		1	35.0	1.80	1.00
199	Guscio fond.	239	365	249	238	1	35.0	1.80	1.00
200	Guscio fond.	238	249	250	240	1	35.0	1.80	1.00
201	Guscio fond.	240	250	251	241	1	35.0	1.80	1.00
202	Guscio fond.	241	251	252	242	1	35.0	1.80	1.00
203	Guscio fond.	242	252	253	243	1	35.0	1.80	1.00
204	Guscio fond.	243	253	254	244	1	35.0	1.80	1.00
205	Guscio fond.	244	254	255	245	1	35.0	1.80	1.00
206	Guscio fond.	245	255	256	246	1	35.0	1.80	1.00
207	Guscio fond.	246	256	257	247	1	35.0	1.80	1.00
208	Guscio fond.	247	257	258	248	1	35.0	1.80	1.00
209	Guscio fond.	365	260	259	249	1	35.0	1.80	1.00
210	Guscio fond.	249	259	261	250	1	35.0	1.80	1.00
211	Guscio fond.	250	261	262	251	1	35.0	1.80	1.00
212	Guscio fond.	251	262	263	252	1	35.0	1.80	1.00
213	Guscio fond.	252	263	264	253	1	35.0	1.80	1.00
214	Guscio fond.	253	264	265	254	1	35.0	1.80	1.00
215	Guscio fond.	254	265	266	255	1	35.0	1.80	1.00
216	Guscio fond.	255	266	267	256	1	35.0	1.80	1.00
217	Guscio fond.	256	267	268	257	1	35.0	1.80	1.00
218	Guscio fond.	257	268	269	258	1	35.0	1.80	1.00
219	Guscio fond.	177	271	270		1	35.0	1.80	1.00
220	Guscio fond.	259	270	272	261	1	35.0	1.80	1.00
221	Guscio fond.	261	272	273	262	1	35.0	1.80	1.00
222	Guscio fond.	262	273	274	263	1	35.0	1.80	1.00
223	Guscio fond.	263	274	275	264	1	35.0	1.80	1.00
224	Guscio fond.	264	275	276	265	1	35.0	1.80	1.00
225	Guscio fond.	265	276	277	266	1	35.0	1.80	1.00
226	Guscio fond.	266	277	278	267	1	35.0	1.80	1.00
227	Guscio fond.	267	278	279	268	1	35.0	1.80	1.00
228	Guscio fond.	625	279	280		1	35.0	1.80	1.00
229	Guscio fond.	271	282	281	270	1	35.0	1.80	1.00
230	Guscio fond.	270	281	283	272	1	35.0	1.80	1.00
231	Guscio fond.	272	283	284	273	1	35.0	1.80	1.00
232	Guscio fond.	273	284	285	274	1	35.0	1.80	1.00
233	Guscio fond.	274	285	286	275	1	35.0	1.80	1.00
234	Guscio fond.	275	286	287	276	1	35.0	1.80	1.00
235	Guscio fond.	276	287	288	277	1	35.0	1.80	1.00
236	Guscio fond.	277	288	289	278	1	35.0	1.80	1.00
237	Guscio fond.	278	289	290	279	1	35.0	1.80	1.00
238	Guscio fond.	279	290	291	280	1	35.0	1.80	1.00
239	Guscio fond.	282	293	292	281	1	35.0	1.80	1.00
240	Guscio fond.	281	292	294	283	1	35.0	1.80	1.00
241	Guscio fond.	283	294	295	284	1	35.0	1.80	1.00
242	Guscio fond.	284	295	296	285	1	35.0	1.80	1.00
243	Guscio fond.	285	296	297	286	1	35.0	1.80	1.00
244	Guscio fond.	286	297	298	287	1	35.0	1.80	1.00
245	Guscio fond.	287	298	299	288	1	35.0	1.80	1.00
246	Guscio fond.	288	299	300	289	1	35.0	1.80	1.00

247	Guscio fond.	289	300	301	290	1	35.0	1.80	1.00
248	Guscio fond.	290	301	302	291	1	35.0	1.80	1.00
249	Guscio fond.	293	304	303	292	1	35.0	1.80	1.00
250	Guscio fond.	292	303	305	294	1	35.0	1.80	1.00
251	Guscio fond.	294	305	306	295	1	35.0	1.80	1.00
252	Guscio fond.	295	306	307	296	1	35.0	1.80	1.00
253	Guscio fond.	296	307	308	297	1	35.0	1.80	1.00
254	Guscio fond.	297	308	309	298	1	35.0	1.80	1.00
255	Guscio fond.	298	309	310	299	1	35.0	1.80	1.00
256	Guscio fond.	299	310	311	300	1	35.0	1.80	1.00
257	Guscio fond.	300	311	312	301	1	35.0	1.80	1.00
258	Guscio fond.	301	312	313	302	1	35.0	1.80	1.00
259	Setto	314	315	197	194	1	35.0		
260	Setto	316	317	315	314	1	35.0		
261	Setto	318	319	317	316	1	35.0		
262	Setto	320	321	319	318	1	35.0		
263	Setto	322	323	321	320	1	35.0		
264	Setto	324	325	323	322	1	35.0		
265	Setto	326	327	325	324	1	35.0		
266	Setto	328	329	327	326	1	35.0		
267	Setto	330	331	329	328	1	35.0		
268	Setto	332	333	331	330	1	35.0		
269	Setto	398	409	191		1	35.0		
270	Setto	191	409	408	189	1	35.0		
271	Setto	189	408	188		1	35.0		
272	Setto	321	334	336	319	1	35.0		
273	Setto	323	338	334	321	1	35.0		
274	Setto	325	339	338	323	1	35.0		
275	Setto	327	340	339	325	1	35.0		
276	Setto	329	341	340	327	1	35.0		
277	Setto	331	342	341	329	1	35.0		
278	Setto	333	343	342	331	1	35.0		
279	Setto	165	565	282	271	1	35.0		
280	Setto	177	165	271		1	35.0		
281	Setto	357	368	172	174	1	35.0		
282	Setto	475	397	388	530	1	35.0		
283	Setto	338	348	347	334	1	35.0		
284	Setto	339	349	348	338	1	35.0		
285	Setto	340	350	349	339	1	35.0		
286	Setto	341	351	350	340	1	35.0		
287	Setto	342	352	351	341	1	35.0		
288	Setto	343	353	352	342	1	35.0		
289	Setto	347	357	174	396	1	35.0		
290	Setto	334	347	396		1	35.0		
291	Setto	336	396	335		1	35.0		
292	Setto	561	385	407		1	35.0		
293	Setto	348	358	357	347	1	35.0		
294	Setto	349	359	358	348	1	35.0		
295	Setto	350	360	359	349	1	35.0		
296	Setto	351	361	360	350	1	35.0		
297	Setto	352	362	361	351	1	35.0		
298	Setto	353	363	362	352	1	35.0		
299	Setto	387	336	335		1	35.0		
300	Setto	319	336	387		1	35.0		
301	Setto	319	387	367	317	1	35.0		
302	Setto	561	407	293		1	35.0		
303	Setto	358	369	368	357	1	35.0		
304	Setto	359	370	369	358	1	35.0		
305	Setto	360	371	370	359	1	35.0		
306	Setto	361	372	371	360	1	35.0		
307	Setto	362	373	372	361	1	35.0		
308	Setto	363	374	373	362	1	35.0		
309	Setto	317	367	344		1	35.0		
310	Setto	172	475	530	567	1	35.0		
311	Setto	315	344	354		1	35.0		
312	Setto	565	561	293		1	35.0		
313	Setto	369	379	378	368	1	35.0		
314	Setto	370	380	379	369	1	35.0		
315	Setto	371	381	380	370	1	35.0		
316	Setto	372	382	381	371	1	35.0		
317	Setto	373	383	382	372	1	35.0		
318	Setto	374	384	383	373	1	35.0		
319	Setto	315	354	355		1	35.0		
320	Setto	315	355	197		1	35.0		
321	Setto	197	355	366		1	35.0		
322	Setto	565	293	282		1	35.0		
323	Setto	379	390	389	378	1	35.0		

324	Setto	380	391	390	379	1	35.0
325	Setto	381	392	391	380	1	35.0
326	Setto	382	393	392	381	1	35.0
327	Setto	383	394	393	382	1	35.0
328	Setto	384	395	394	383	1	35.0
329	Setto	197	366	217		1	35.0
330	Setto	366	376	228	217	1	35.0
331	Setto	228	376	386		1	35.0
332	Setto	385	188	407		1	35.0
333	Setto	390	401	400	389	1	35.0
334	Setto	391	402	401	390	1	35.0
335	Setto	392	403	402	391	1	35.0
336	Setto	393	404	403	392	1	35.0
337	Setto	394	405	404	393	1	35.0
338	Setto	395	406	405	394	1	35.0
339	Setto	336	334	396		1	35.0
340	Setto	356	398	191		1	35.0
341	Setto	389	400	397		1	35.0
342	Setto	400	411	409	398	1	35.0
343	Setto	401	412	411	400	1	35.0
344	Setto	402	413	412	401	1	35.0
345	Setto	403	414	413	402	1	35.0
346	Setto	404	415	414	403	1	35.0
347	Setto	405	416	415	404	1	35.0
348	Setto	406	417	416	405	1	35.0
349	Setto	407	418	304	293	1	35.0
350	Setto	408	419	418	407	1	35.0
351	Setto	409	420	419	408	1	35.0
352	Setto	411	422	420	409	1	35.0
353	Setto	412	423	422	411	1	35.0
354	Setto	413	424	423	412	1	35.0
355	Setto	414	425	424	413	1	35.0
356	Setto	415	426	425	414	1	35.0
357	Setto	416	427	426	415	1	35.0
358	Setto	417	428	427	416	1	35.0
359	Setto	499	500	612	611	1	35.0
360	Setto	500	502	1	612	1	35.0
361	Setto	502	504	163	1	1	35.0
362	Setto	504	506	168	163	1	35.0
363	Setto	506	508	170	168	1	35.0
364	Setto	508	510	176	170	1	35.0
365	Setto	510	512	180	176	1	35.0
366	Setto	512	514	183	180	1	35.0
367	Setto	514	516	193	183	1	35.0
368	Setto	516	518	345	193	1	35.0
369	Setto	536	497	532	178	1	35.0
370	Setto	497	501	579	532	1	35.0
371	Setto	501	505	169	579	1	35.0
372	Setto	505	509	433	169	1	35.0
373	Setto	509	513	450	433	1	35.0
374	Setto	513	517	522	450	1	35.0
375	Setto	517	520	535	522	1	35.0
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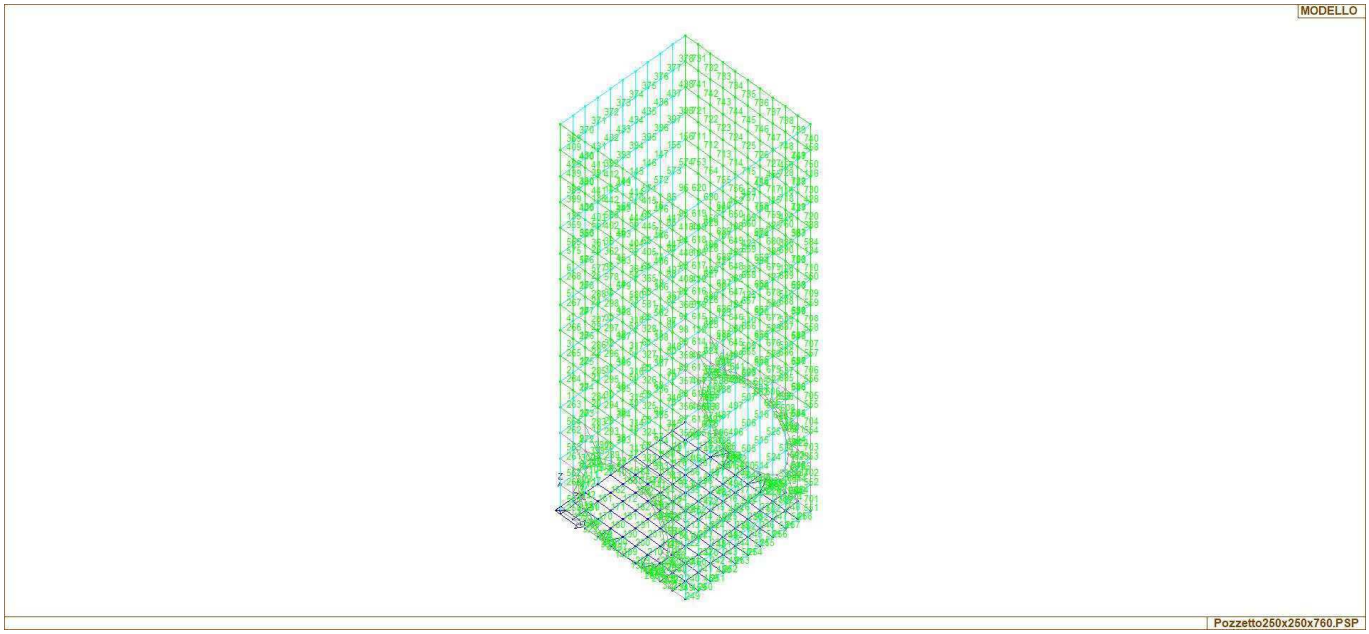
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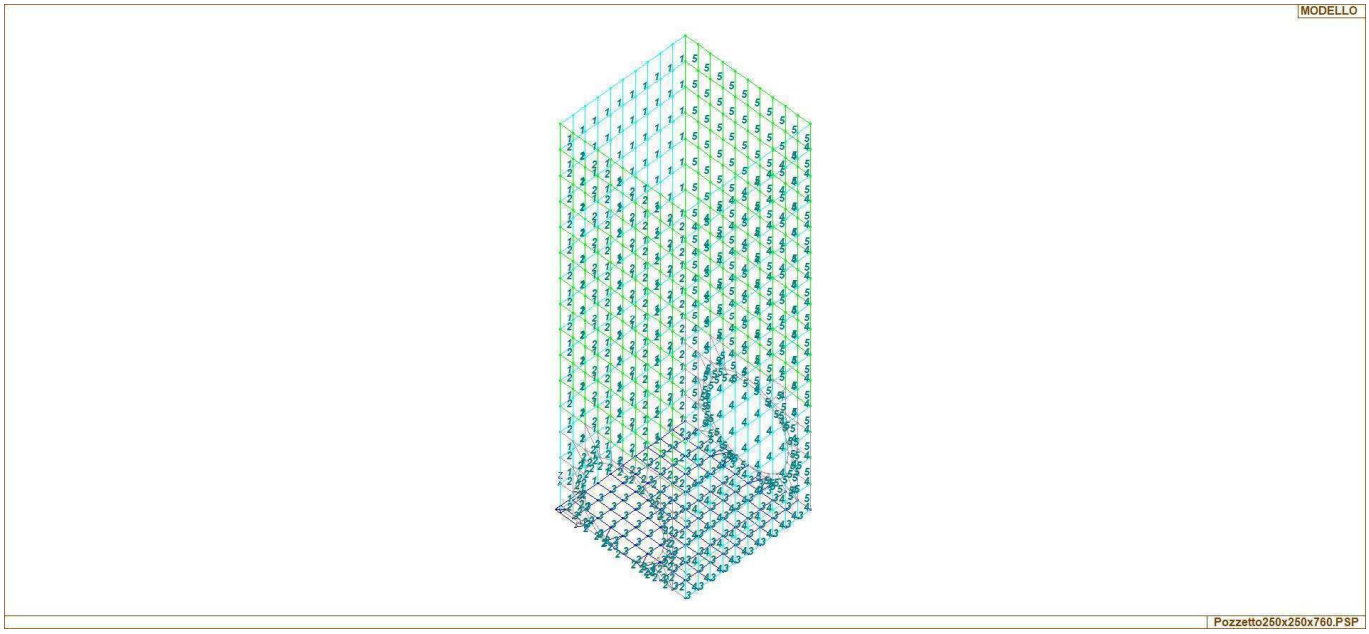
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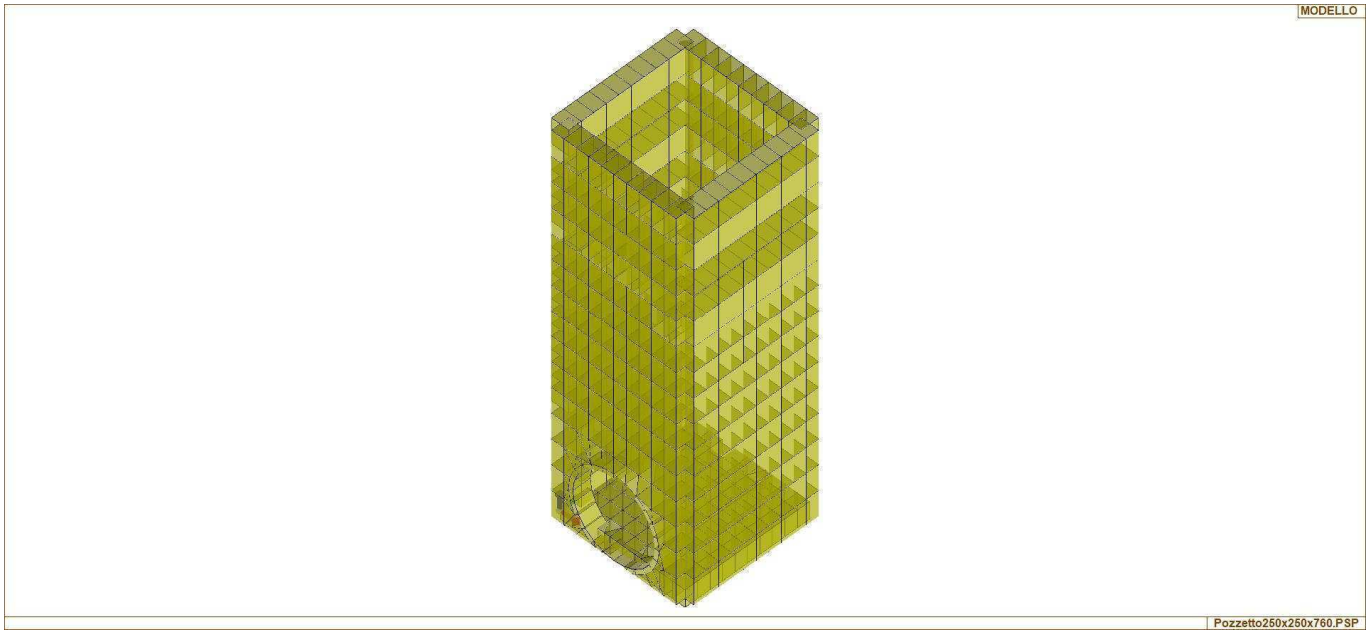
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754	Setto	657	614	680	670	1	35.0		
755	Setto	614	615	690	680	1	35.0		
756	Setto	615	619	700	690	1	35.0		
757	Setto	619	620	711	700	1	35.0		
758	Setto	620	624	721	711	1	35.0		
759	Setto	624	628	732	721	1	35.0		
760	Setto	628	631	743	732	1	35.0		
761	Guscio fond.	236	247	723		1	35.0	1.80	1.00
762	Guscio fond.	268	279	625		1	35.0	1.80	1.00
763	Guscio fond.	237	236	723		1	35.0	1.80	1.00
764	Guscio fond.	723	247	248		1	35.0	1.80	1.00
765	Setto	635	745	744		1	35.0		
766	Setto	654	681	652		1	35.0		
767	Setto	317	344	315		1	35.0		
768	Setto	188	408	407		1	35.0		



16_MOD_NUMERAZIONE_D3



16_MOD_NUMERAZIONE_D3_PARETI



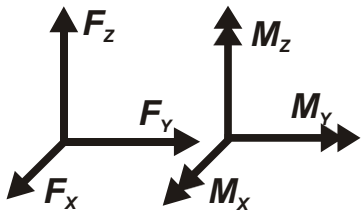
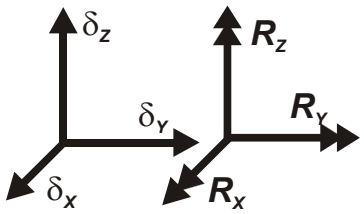
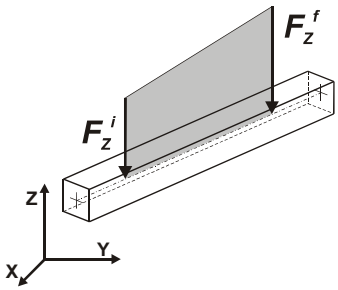
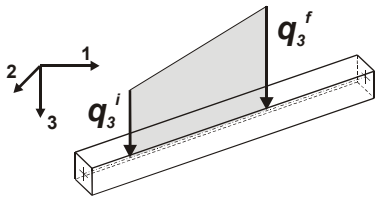
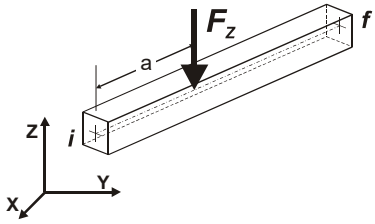
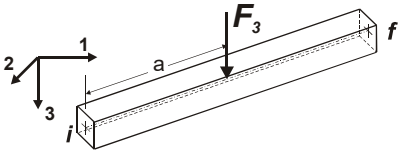
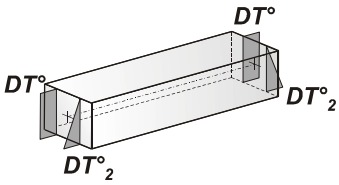
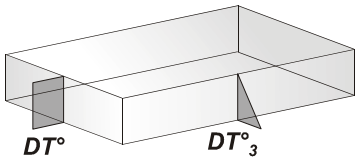
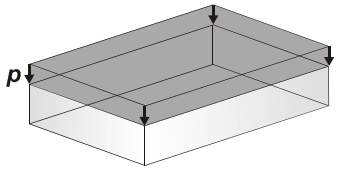
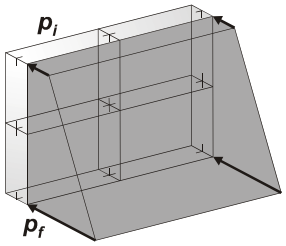
16_MOD_SPESSORI_D3

MODELLAZIONE DELLE AZIONI

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 di pressione uniforme su piastra

Id	Tipo	pressione
		daN/cm2
9	Acqua interna su soletta inf	0.71
10	Sottospinta Falda	-0.51

Tipo	carico di pressione variabile su piastra

Id	Tipo	pressione	quota	pressione	quota
		daN/cm2	cm	daN/cm2	cm
1	Spinta Falda sx	0.0	514.00	0.51	0.0

Id	Tipo	pressione	quota	pressione	quota
2	Spinta Falda dx	0.0	514.00	-0.51	0.0
5	Spinta riposo sx	0.0	514.00	0.27	0.0
6	Spinta riposo dx	0.0	514.00	-0.27	0.0
7	Acqua interna sx	0.0	710.00	-0.71	0.0
8	Acqua interna dx	0.0	710.00	0.71	0.0
11	ETK PAN ++	0.29	514.00	0.29	0.0
12	ETK PAN --	-0.29	514.00	-0.29	0.0
13	Acqua interna sx1	0.0	710.00	0.71	0.0
14	Spinta Falda sx1	0.0	514.00	-0.51	0.0
16	Spinta riposo sx1	0.0	514.00	-0.27	0.0

SCHEMATIZZAZIONE DEI CASI DI CARICO

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).

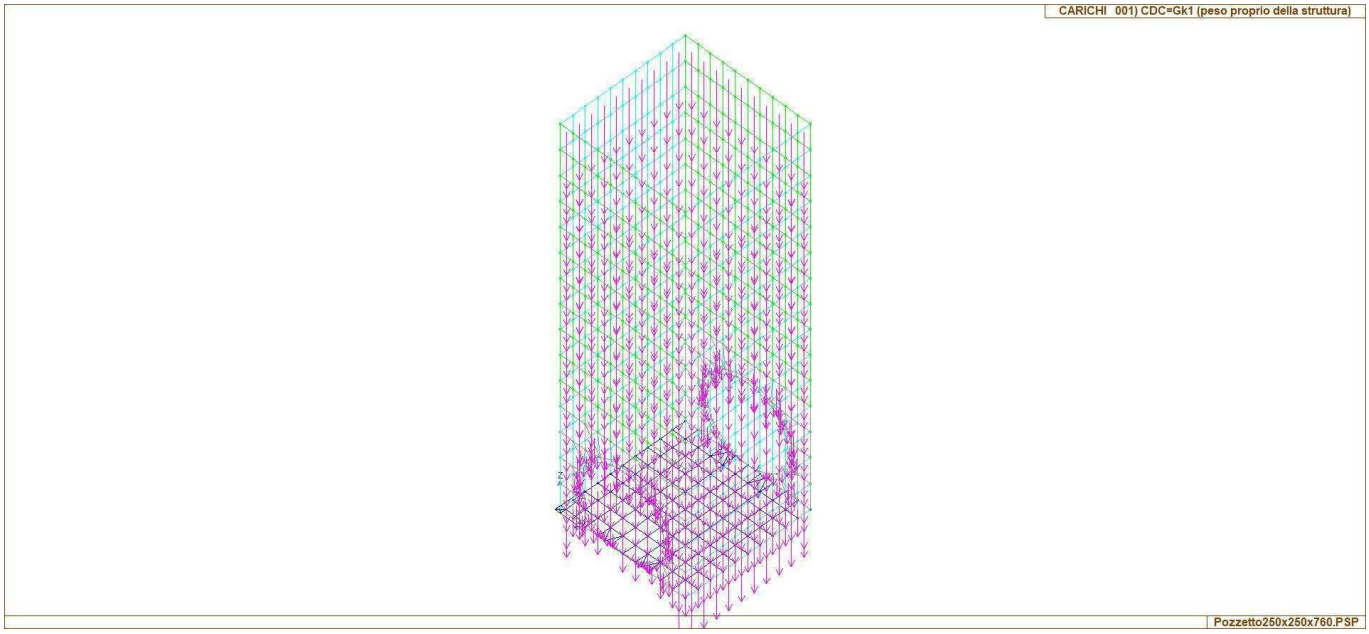
In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

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.

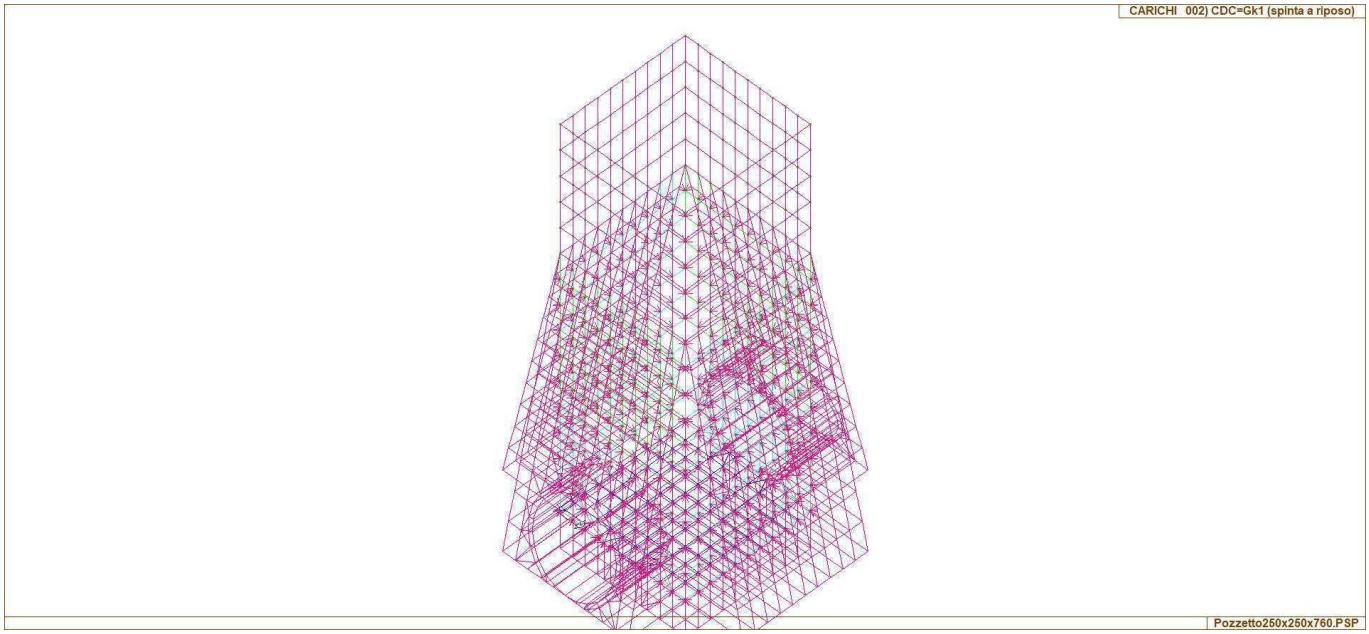
CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Gk1 (peso proprio della struttura)	
2	Gk	CDC=Gk1 (spinta a riposo)	D3 :da 1 a 98 Azione : Spinta Falda sx
			D3 :da 1 a 98 Azione : Spinta riposo sx
			D3 :da 99 a 100 Azione : Sottospinta Falda
			D3 :da 101 a 104 Azione : Spinta Falda sx
			D3 :da 101 a 104 Azione : Spinta riposo sx
			D3 :da 105 a 110 Azione : Spinta Falda dx
			D3 :da 105 a 110 Azione : Spinta riposo dx
			D3 :da 111 a 114 Azione : Spinta Falda sx
			D3 :da 111 a 114 Azione : Spinta riposo sx
			D3 :da 115 a 120 Azione : Spinta Falda dx
			D3 :da 115 a 120 Azione : Spinta riposo dx
			D3 :da 121 a 122 Azione : Spinta Falda sx
			D3 :da 121 a 122 Azione : Spinta riposo sx
			D3 :da 123 a 128 Azione : Spinta Falda dx
			D3 :da 123 a 128 Azione : Spinta riposo dx
			D3 :da 129 a 132 Azione : Spinta Falda sx
			D3 :da 129 a 132 Azione : Spinta riposo sx
			D3 :da 133 a 134 Azione : Spinta Falda dx
			D3 :da 133 a 134 Azione : Spinta riposo dx
			D3 :da 135 a 136 Azione : Spinta Falda sx
			D3 :da 135 a 136 Azione : Spinta riposo sx
			D3 : 137 Azione : Sottospinta Falda
			D3 :da 138 a 147 Azione : Spinta Falda sx
			D3 :da 138 a 147 Azione : Spinta riposo sx
			D3 : 148 Azione : Sottospinta Falda
			D3 :da 149 a 158 Azione : Spinta Falda sx
			D3 :da 149 a 158 Azione : Spinta riposo sx
			D3 :da 159 a 258 Azione : Sottospinta Falda
			D3 :da 259 a 378 Azione : Spinta Falda sx
			D3 :da 259 a 378 Azione : Spinta riposo sx

CDC	Tipo	Sigla Id	Note
			D3 :da 379 a 388 Azione : Spinta Falda dx
			D3 :da 379 a 388 Azione : Spinta riposo dx
			D3 :da 389 a 418 Azione : Spinta Falda sx
			D3 :da 389 a 418 Azione : Spinta riposo sx
			D3 :da 419 a 428 Azione : Spinta Falda dx
			D3 :da 419 a 428 Azione : Spinta riposo dx
			D3 :da 429 a 448 Azione : Spinta Falda sx
			D3 :da 429 a 448 Azione : Spinta riposo sx
			D3 :da 449 a 474 Azione : Spinta Falda dx
			D3 :da 449 a 474 Azione : Spinta riposo dx
			D3 : 475 Azione : Spinta Falda sx
			D3 : 475 Azione : Spinta riposo sx
			D3 :da 476 a 484 Azione : Spinta Falda dx
			D3 :da 476 a 484 Azione : Spinta riposo dx
			D3 : 485 Azione : Spinta Falda sx
			D3 : 485 Azione : Spinta riposo sx
			D3 :da 486 a 560 Azione : Spinta Falda dx
			D3 :da 486 a 560 Azione : Spinta riposo dx
			D3 :da 561 a 582 Azione : Spinta Falda sx
			D3 :da 561 a 582 Azione : Spinta riposo sx
			D3 :da 583 a 760 Azione : Spinta Falda sx1
			D3 :da 583 a 760 Azione : Spinta riposo sx1
			D3 :da 761 a 764 Azione : Sottospinta Falda
			D3 :da 765 a 766 Azione : Spinta Falda sx1
			D3 :da 765 a 766 Azione : Spinta riposo sx1
			D3 :da 767 a 768 Azione : Spinta Falda sx
			D3 :da 767 a 768 Azione : Spinta riposo sx
3	Qk	CDC=Qk (acqua interna allo scatolare)	D3 :da 1 a 98 Azione : Acqua interna sx
			D3 :da 99 a 100 Azione : Acqua interna su soletta inf
			D3 :da 101 a 104 Azione : Acqua interna sx
			D3 :da 105 a 110 Azione : Acqua interna dx
			D3 :da 111 a 114 Azione : Acqua interna sx
			D3 :da 115 a 120 Azione : Acqua interna dx
			D3 :da 121 a 122 Azione : Acqua interna sx
			D3 :da 123 a 128 Azione : Acqua interna dx
			D3 :da 129 a 132 Azione : Acqua interna sx
			D3 :da 133 a 134 Azione : Acqua interna dx
			D3 :da 135 a 136 Azione : Acqua interna sx
			D3 : 137 Azione : Acqua interna su soletta inf
			D3 :da 138 a 147 Azione : Acqua interna sx
			D3 : 148 Azione : Acqua interna su soletta inf
			D3 :da 149 a 158 Azione : Acqua interna sx
			D3 :da 159 a 258 Azione : Acqua interna su soletta inf
			D3 :da 259 a 378 Azione : Acqua interna sx
			D3 :da 379 a 388 Azione : Acqua interna dx
			D3 :da 389 a 418 Azione : Acqua interna sx
			D3 :da 419 a 428 Azione : Acqua interna dx
			D3 :da 429 a 448 Azione : Acqua interna sx
			D3 :da 449 a 474 Azione : Acqua interna dx
			D3 : 475 Azione : Acqua interna sx
			D3 :da 476 a 484 Azione : Acqua interna dx
			D3 : 485 Azione : Acqua interna sx
			D3 :da 486 a 560 Azione : Acqua interna dx
			D3 :da 561 a 582 Azione : Acqua interna sx
			D3 :da 583 a 760 Azione : Acqua interna sx1
			D3 :da 761 a 764 Azione : Acqua interna su soletta inf
			D3 :da 765 a 766 Azione : Acqua interna sx1
			D3 :da 767 a 768 Azione : Acqua interna sx
4	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. 0)	partecipazione:1.00 per 1 CDC=Gk1 (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=Gk1 (spinta a riposo)
			partecipazione:0.80 per 3 CDC=Qk (acqua interna allo scatolare)
5	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. 0)	come precedente CDC sismico
6	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=0.0	D3 :da 1 a 96 Azione : ETK PAN ++
			D3 :da 135 a 136 Azione : ETK PAN ++
			D3 : 138 Azione : ETK PAN ++
			D3 :da 143 a 147 Azione : ETK PAN ++
			D3 :da 155 a 156 Azione : ETK PAN ++
			D3 :da 369 a 378 Azione : ETK PAN ++
			D3 :da 389 a 398 Azione : ETK PAN ++
			D3 :da 429 a 438 Azione : ETK PAN ++
			D3 :da 561 a 574 Azione : ETK PAN ++
7	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=0.0	D3 :da 105 a 110 Azione : ETK PAN --
			D3 :da 115 a 120 Azione : ETK PAN --
			D3 :da 123 a 128 Azione : ETK PAN --

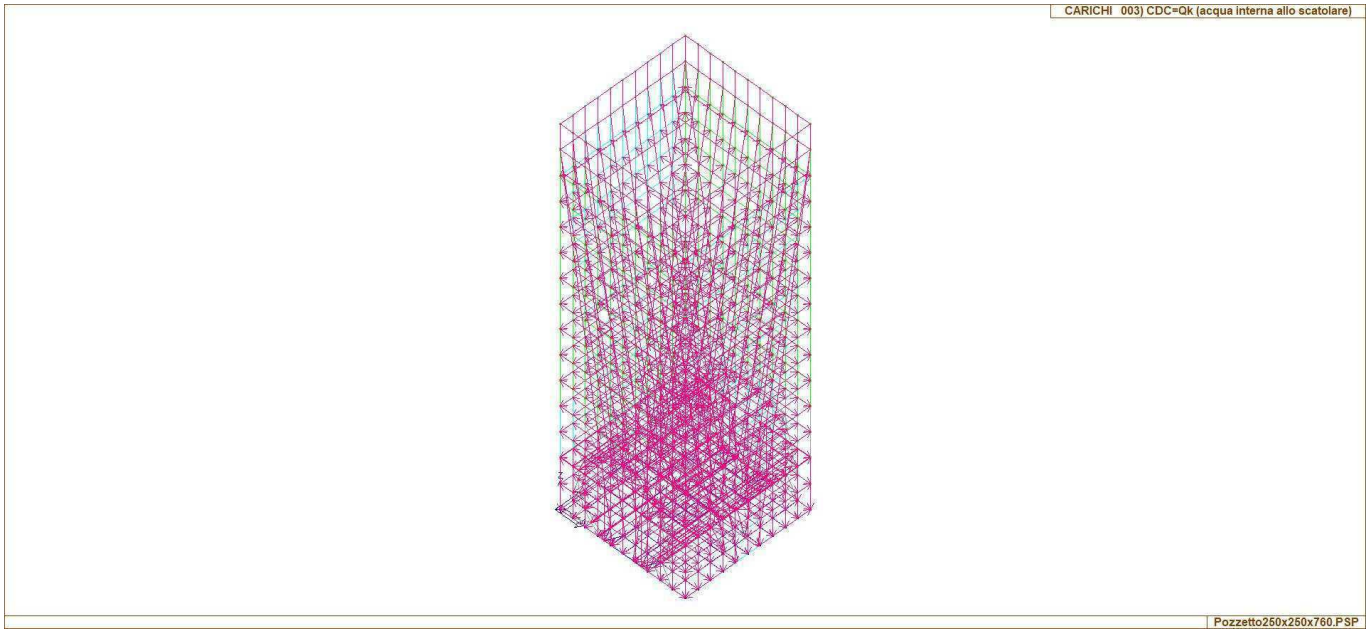
CDC	Tipo	Sigla Id	Note
			D3 :da 133 a 134 Azione : ETK PAN --
			D3 :da 379 a 388 Azione : ETK PAN --
			D3 :da 419 a 428 Azione : ETK PAN --
			D3 :da 449 a 474 Azione : ETK PAN --
			D3 :da 476 a 484 Azione : ETK PAN --
			D3 :da 486 a 560 Azione : ETK PAN --
8	Etk	CDC=Etk (inc. sp. terreno) SLV dir + alfa=90.00	D3 :da 97 a 98 Azione : ETK PAN ++
			D3 :da 101 a 104 Azione : ETK PAN ++
			D3 :da 111 a 114 Azione : ETK PAN ++
			D3 :da 121 a 122 Azione : ETK PAN ++
			D3 :da 129 a 132 Azione : ETK PAN ++
			D3 :da 139 a 142 Azione : ETK PAN ++
			D3 :da 149 a 154 Azione : ETK PAN ++
			D3 :da 157 a 158 Azione : ETK PAN ++
			D3 :da 259 a 368 Azione : ETK PAN ++
			D3 :da 399 a 418 Azione : ETK PAN ++
			D3 :da 439 a 448 Azione : ETK PAN ++
			D3 : 475 Azione : ETK PAN ++
			D3 : 485 Azione : ETK PAN ++
			D3 :da 575 a 582 Azione : ETK PAN ++
			D3 :da 767 a 768 Azione : ETK PAN ++
9	Etk	CDC=Etk (inc. sp. terreno) SLV dir - alfa=90.00	D3 :da 583 a 760 Azione : ETK PAN --
			D3 :da 765 a 766 Azione : ETK PAN --



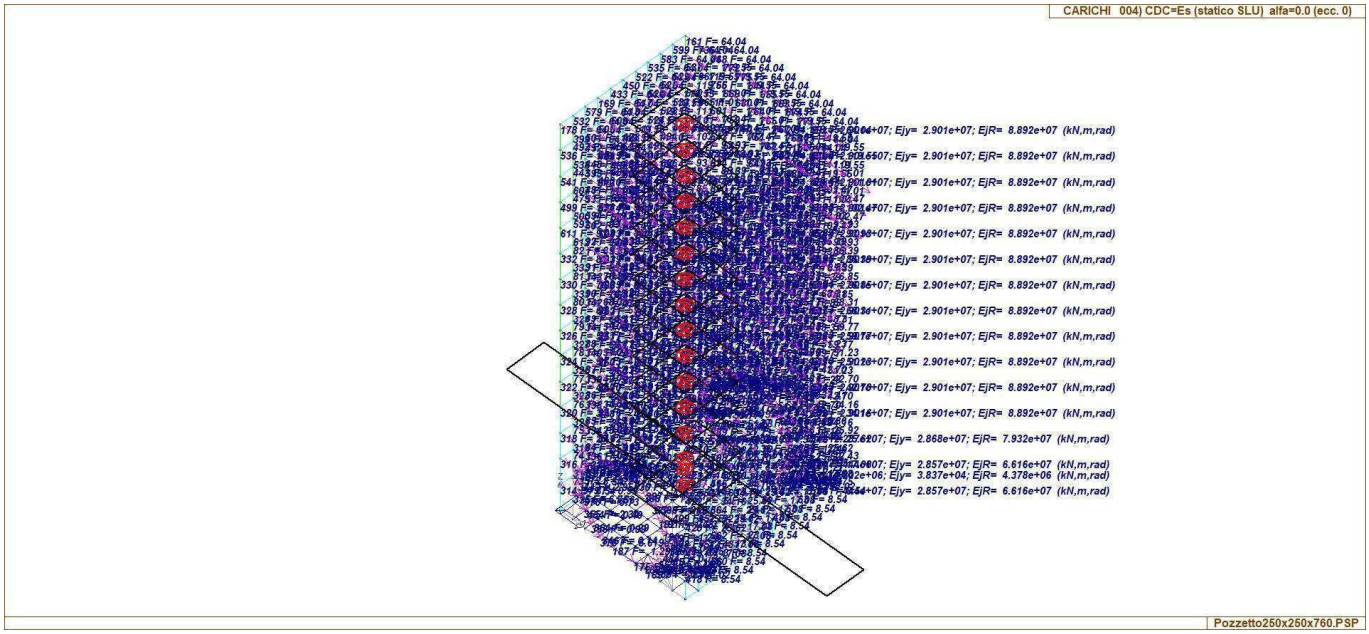
22_CDC_001_CDC=Gk1 (peso proprio della struttura)



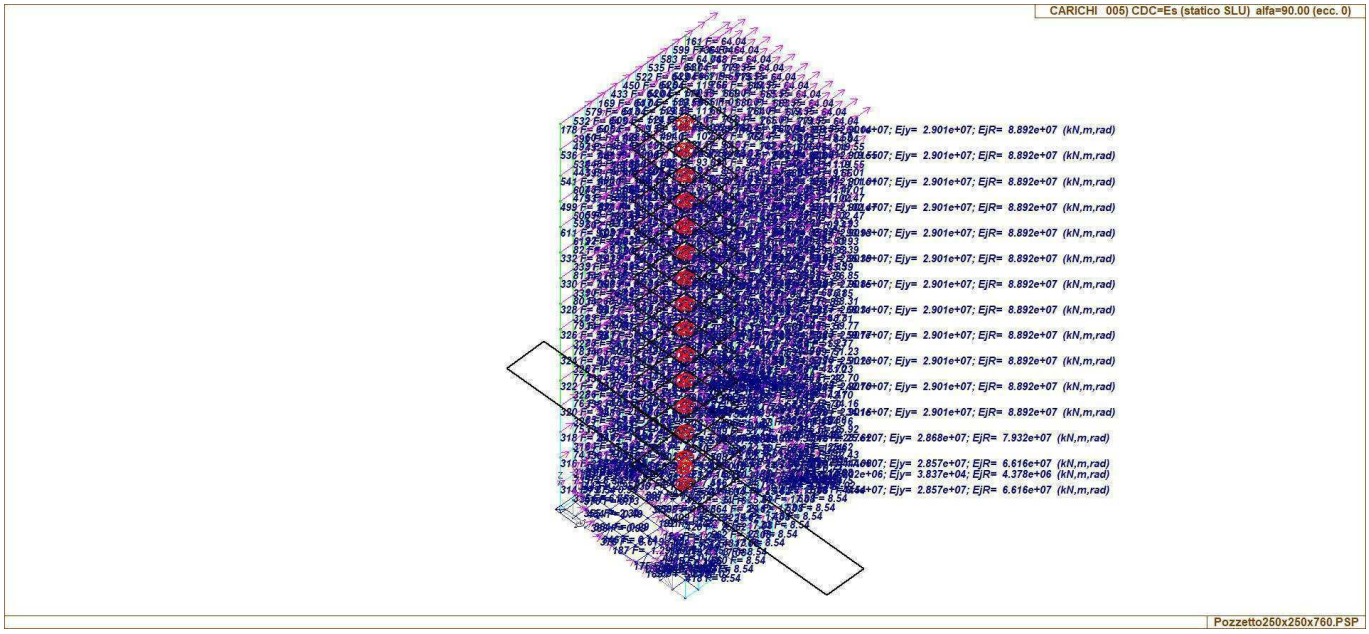
22_CDC_002_CDC=Gk1 (spinta a riposo)



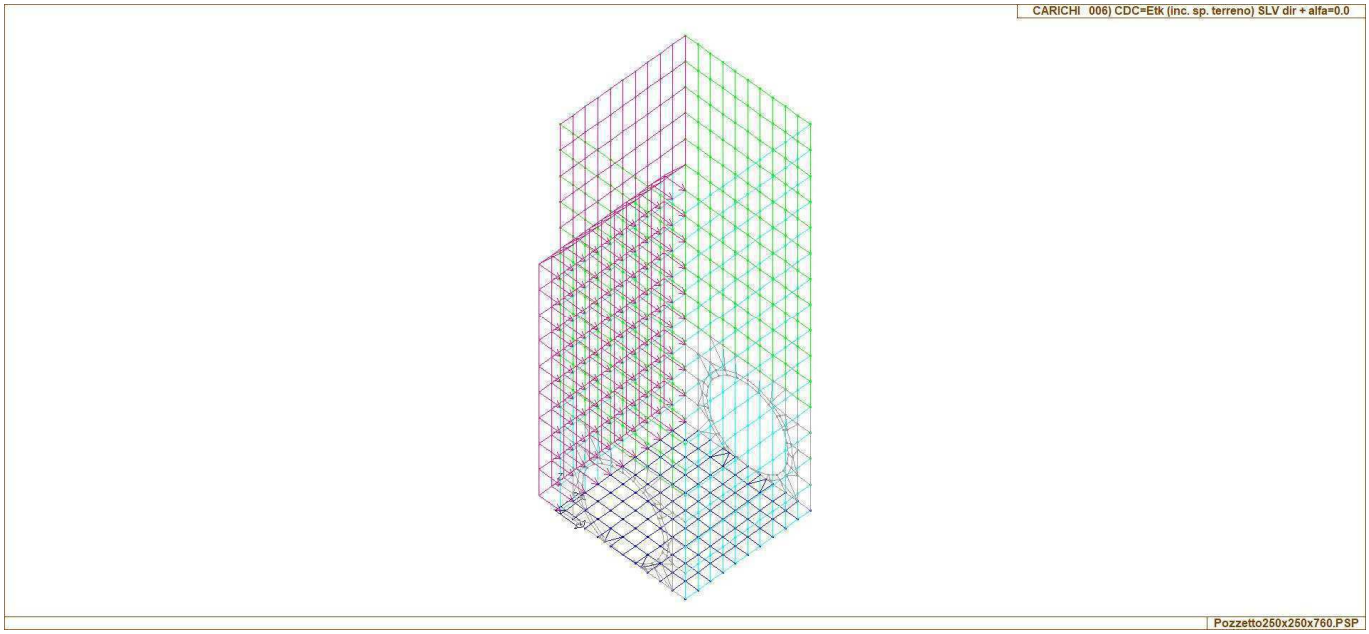
22_CDC_003_CDC=Qk (acqua interna allo scatolare)



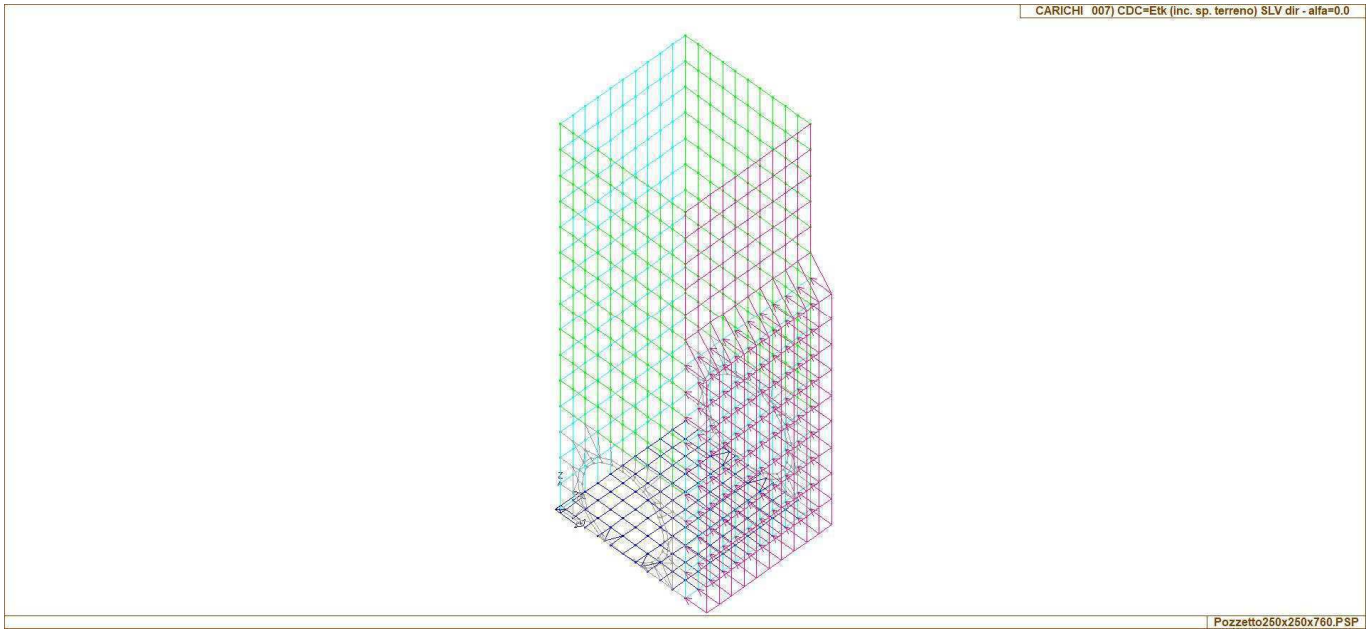
22_CDC_004_CDC=Es (statico SLU) alfa=0.0 (ecc. 0)



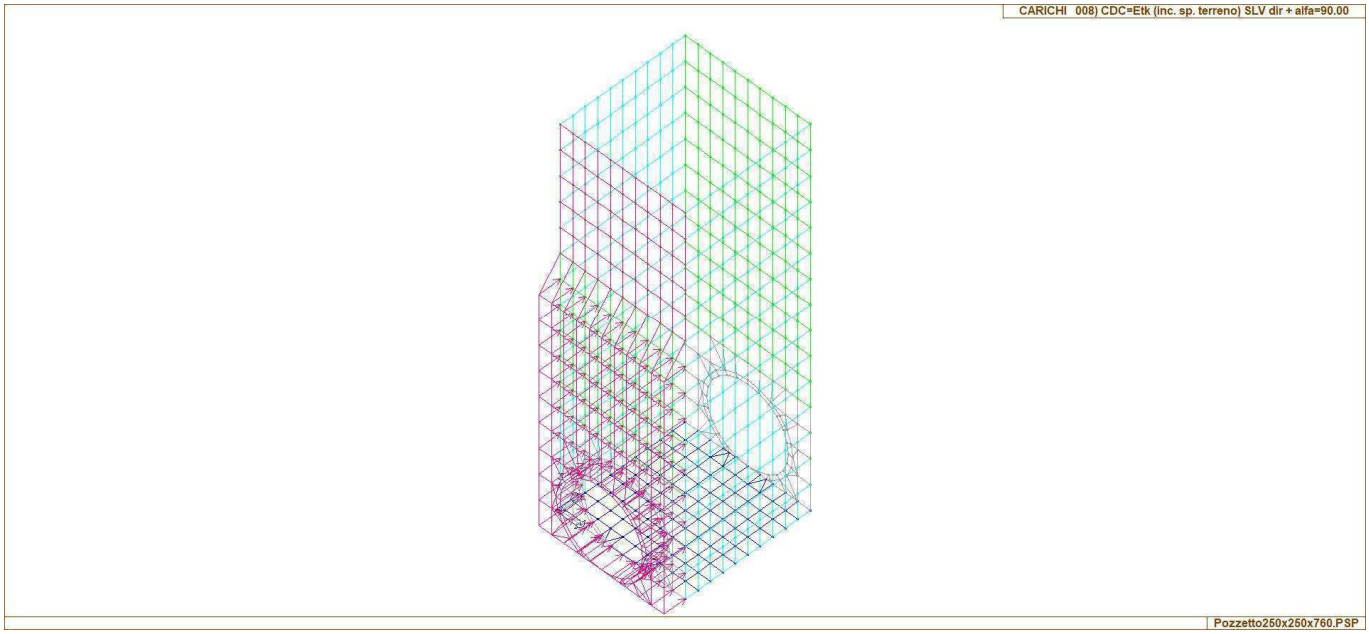
22_CDC_005_CDC=Es (statico SLU) alfa=90.00 (ecc. 0)



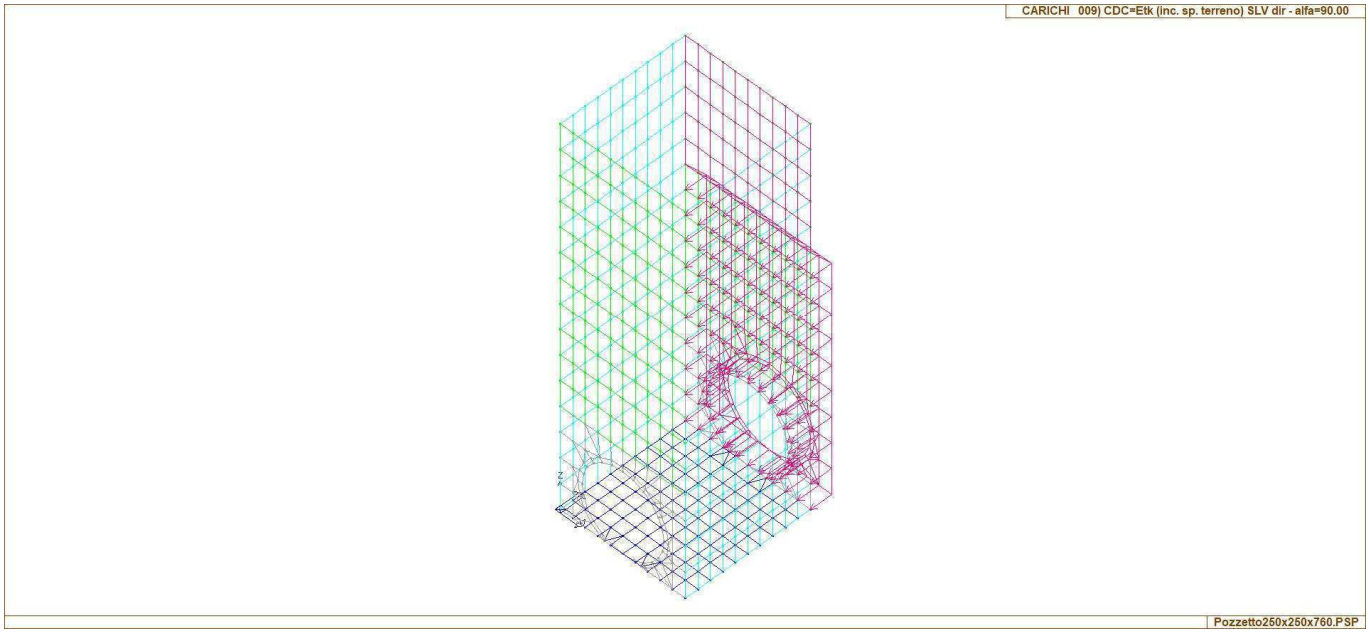
22_CDC_006_CDC=Etk (inc. sp. terreno) SLV dir + alfa=0.0



22_CDC_007_CDC=Etk (inc. sp. terreno) SLV dir - alfa=0.0



22_CDC_008_CDC=Etk (inc. sp. terreno) SLV dir + alfa=90.00



22_CDC_009_CDC=Etk (inc. sp. terreno) SLV dir - alfa=90.00

DEFINIZIONE DELLE COMBINAZIONI

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*	*γG1*	*0,9* *1,1*	*1,0* *1,3*	*1,0* *1,0*
Carichi permanenti non strutturali *(Non compiutamente definiti)*	*Favorevoli* *Sfavorevoli*	*γG2*	*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 (SLV sism.) 5	
6	SLU	Comb. SLU A1 (SLV sism.) 6	
7	SLU	Comb. SLU A1 (SLV sism.) 7	
8	SLU	Comb. SLU A1 (SLV sism.) 8	

Cmb	Tipo	Sigla Id	effetto P-delta
9	SLU	Comb. SLU A1 (SLV sism.) 9	
10	SLU	Comb. SLU A1 (SLV sism.) 10	
11	SLU	Comb. SLU A1 (SLV sism.) 11	
12	SLU	Comb. SLU A1 (SLV sism.) 12	
13	SLE(f)	Comb. SLE(freq.) 13	
14	SLE(f)	Comb. SLE(freq.) 14	
15	SLE(p)	Comb. SLE(perm.) 15	
16	SLE(p)	Comb. SLE(perm.) 16	

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
2	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0					
3	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
4	1.00	1.00	1.50	0.0	0.0	0.0	0.0	0.0	0.0					
5	1.00	1.00	0.80	-1.00	-0.30	0.0	1.00	0.0	0.30					
6	1.00	1.00	0.80	-1.00	0.30	0.0	1.00	0.30	0.0					
7	1.00	1.00	0.80	1.00	-0.30	1.00	0.0	0.0	0.30					
8	1.00	1.00	0.80	1.00	0.30	1.00	0.0	0.30	0.0					
9	1.00	1.00	0.80	-0.30	-1.00	0.0	0.30	0.0	1.00					
10	1.00	1.00	0.80	-0.30	1.00	0.0	0.30	1.00	0.0					
11	1.00	1.00	0.80	0.30	-1.00	0.30	0.0	0.0	1.00					
12	1.00	1.00	0.80	0.30	1.00	0.30	0.0	1.00	0.0					
13	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
14	1.00	1.00	0.90	0.0	0.0	0.0	0.0	0.0	0.0					
15	1.00	1.00	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	0.0	0.0	0.0					

AZIONE SISMICA

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;

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	D	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:
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)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
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.

Id nodo	**Longitudine**	**Latitudine**	**Distanza**
			Km
Loc.	11.385	44.793	
15621	11.379	44.766	3.029
15622	11.449	44.767	5.801
15400	11.447	44.817	5.554
15399	11.377	44.816	2.626

SL	**Pver**	**Tr**	**ag**	**Fo**	**T*c**
		Anni	g		sec
SLO	81.0	30.0	0.040	2.540	0.250
SLD	63.0	35.0	0.044	2.520	0.260
SLV	10.0	332.0	0.131	2.590	0.270
SLC	5.0	682.0	0.177	2.560	0.270

SL	**ag**	**S**	**Fo**	**Fv**	**Tb**	**Tc**	**Td**
	g				sec	sec	sec
SLO	0.040	1.800	2.540	0.687	0.208	0.625	1.760
SLD	0.044	1.800	2.520	0.710	0.212	0.637	1.774
SLV	0.131	1.800	2.590	1.264	0.217	0.650	2.123
SLC	0.177	1.721	2.560	1.454	0.217	0.650	2.308

RISULTATI ANALISI SISMICHE

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
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
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

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.
Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.
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 (amplificato del 20% per Ordinanza 3274 e smi) 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

Con 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" - versione Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
23	DM 2008: SPETTRO
29	SISMICA 1000/H, SOMMA V, EFFETTO P-δ
30	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI
70	MASSE SISMICHE
75	PROGETTO DI ISOLATORI ELASTOMERICI
76	VERIFICA DI ISOLATORI ELASTOMERICI
77	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
4	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. 0)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.609 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: nulla
			periodo proprio T1: 0.278 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.609

Quota	Forza Sismica	Tot. parziale	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	daN	daN	cm	cm	cm	cm	cm	cm			
772.50	2561.75	2561.75	2253.12	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
721.00	4781.93	7343.68	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
669.50	4440.36	1.178e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
618.00	4098.80	1.588e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
566.50	3757.23	1.964e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
515.00	3415.66	2.306e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
463.50	3074.10	2.613e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
412.00	2732.53	2.886e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
360.50	2390.97	3.125e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
309.00	2049.40	3.330e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
257.50	1707.83	3.501e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
206.00	1327.38	3.634e+04	4377.98	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
172.60	22.50	3.636e+04	88.58	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.51	46.74	3.641e+04	187.33	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.00	3.96	3.641e+04	16.39	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161.21	7.78	3.642e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.46	70.04	3.649e+04	296.55	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154.50	730.70	3.722e+04	3213.37	125.00	125.00	0.0	0.0	125.00	125.00	2.655	0.0	0.0
153.01	7.38	3.723e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.06	15.46	3.724e+04	71.93	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	Forza Sismica	Tot. parziale	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
139.98	6.75	3.725e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.30	28.91	3.728e+04	154.28	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.00	5.93	3.728e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.45	14.25	3.730e+04	91.81	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.22	4.98	3.730e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.00	425.46	3.773e+04	2806.51	125.00	125.00	0.0	0.0	125.00	125.00	2.223	0.0	0.0
82.00	15.75	3.774e+04	130.46	125.00	125.00	0.0	0.0	125.00	125.00	1.967	0.0	0.0
60.78	2.93	3.775e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.55	6.24	3.775e+04	72.44	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.50	214.86	3.797e+04	2834.68	125.00	125.00	0.0	0.0	125.00	125.00	2.223	0.0	0.0
41.00	1.98	3.797e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.70	9.36	3.798e+04	173.19	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.02	1.16	3.798e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.94	3.94	3.798e+04	149.36	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.99	0.54	3.799e+04	33.68	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.54	0.22	3.799e+04	43.16	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.79	0.05	3.799e+04	12.56	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	3.799e+04		6.233e+04									

CDC	Tipo	Sigla Id	Note
5	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. 0)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.609 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: nulla
			periodo proprio T1: 0.278 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: ND
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.609

Quota	Forza Sismica	Tot. parziale	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	daN	daN	cm	cm	cm	cm	cm	cm			
772.50	2561.75	2561.75	2253.12	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
721.00	4781.93	7343.68	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
669.50	4440.36	1.178e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
618.00	4098.80	1.588e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
566.50	3757.23	1.964e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
515.00	3415.66	2.306e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
463.50	3074.10	2.613e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
412.00	2732.53	2.886e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
360.50	2390.97	3.125e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
309.00	2049.40	3.330e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
257.50	1707.83	3.501e+04	4506.25	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
206.00	1327.38	3.634e+04	4377.98	125.00	125.00	0.0	0.0	125.00	125.00	2.942	0.0	0.0
172.60	22.50	3.636e+04	88.58	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169.51	46.74	3.641e+04	187.33	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.00	3.96	3.641e+04	16.39	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
161.21	7.78	3.642e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.46	70.04	3.649e+04	296.55	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
154.50	730.70	3.722e+04	3213.37	125.00	125.00	0.0	0.0	125.00	125.00	2.655	0.0	0.0
153.01	7.38	3.723e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
146.06	15.46	3.724e+04	71.93	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
139.98	6.75	3.725e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.30	28.91	3.728e+04	154.28	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
123.00	5.93	3.728e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.45	14.25	3.730e+04	91.81	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.22	4.98	3.730e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103.00	425.46	3.773e+04	2806.51	125.00	125.00	0.0	0.0	125.00	125.00	2.223	0.0	0.0
82.00	15.75	3.774e+04	130.46	125.00	125.00	0.0	0.0	125.00	125.00	1.967	0.0	0.0
60.78	2.93	3.775e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58.55	6.24	3.775e+04	72.44	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51.50	214.86	3.797e+04	2834.68	125.00	125.00	0.0	0.0	125.00	125.00	2.223	0.0	0.0

Quota	Forza Sismica	Tot. parziale	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
41.00	1.98	3.797e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36.70	9.36	3.798e+04	173.19	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24.02	1.16	3.798e+04	32.78	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.94	3.94	3.798e+04	149.36	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.99	0.54	3.799e+04	33.68	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.54	0.22	3.799e+04	43.16	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.79	0.05	3.799e+04	12.56	125.00	125.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	3.799e+04		6.233e+04									

RISULTATI OPERE DI FONDAZIONE

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.

Con 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*" - versione Settembre 2014, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

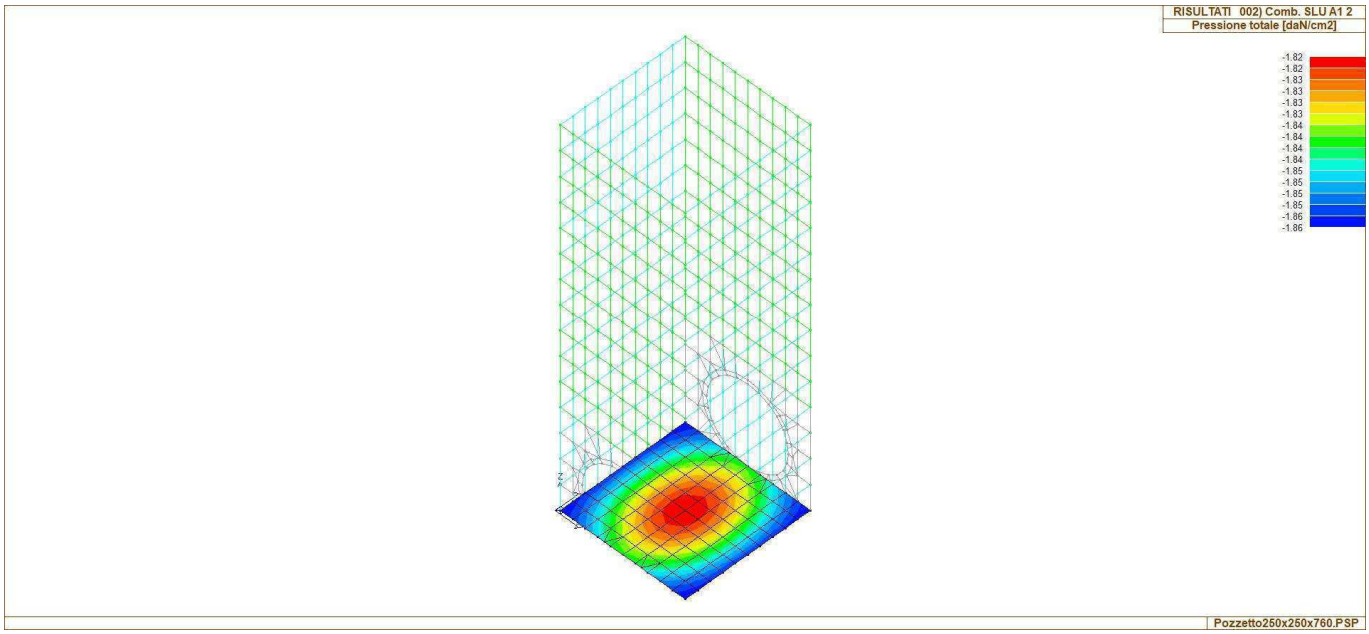
Test N°	Titolo
105	PLINTO SUPERFICIALE
106	PLINTO SUPERFICIALE
107	PLINTO SUPERFICIALE
108	PLINTO SUPERFICIALE
109	PLINTO SUPERFICIALE
110	PLINTO SUPERFICIALE
111	PLINTO SUPERFICIALE
112	PLINTO SUPERFICIALE
113	PLINTO SUPERFICIALE
114	PLINTO SUPERFICIALE
115	PLINTO SUPERFICIALE
116	PLINTO SUPERFICIALE
117	PLINTO SUPERFICIALE
118	PLINTO SUPERFICIALE
119	PLINTO SUPERFICIALE
120	PLINTO SUPERFICIALE
121	PLINTO SUPERFICIALE
122	PLINTO SUPERFICIALE
123	PLINTO SUPERFICIALE
124	FONDAZIONE NASTRIFORME
125	CALCOLO DEI K DI WINKLER

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
177	-1.84	-12.62	-1.24	-1.17							
194	-1.86	-15.08	-1.25	-1.18							
195	-1.86	-14.44	-1.25	-1.18							
196	-1.85	-12.27	-1.24	-1.17							
197	-1.86	-14.30	-1.25	-1.18							
198	-1.86	-13.80	-1.25	-1.18							
199	-1.85	-11.63	-1.24	-1.17							
200	-1.86	-13.16	-1.25	-1.18							
201	-1.85	-10.99	-1.24	-1.17							
202	-1.86	-12.53	-1.25	-1.18							
203	-1.85	-10.36	-1.24	-1.17							
204	-1.86	-11.89	-1.25	-1.18							
205	-1.85	-9.73	-1.24	-1.17							
206	-1.86	-12.53	-1.25	-1.18							
207	-1.85	-10.36	-1.24	-1.17							
208	-1.86	-13.16	-1.25	-1.18							
209	-1.85	-10.99	-1.24	-1.17							
210	-1.86	-13.80	-1.25	-1.18							
211	-1.85	-11.63	-1.24	-1.17							
212	-1.86	-14.44	-1.25	-1.18							
213	-1.85	-12.27	-1.24	-1.17							
214	-1.86	-15.08	-1.25	-1.18							
215	-1.86	-14.30	-1.25	-1.18							
216	-1.85	-11.51	-1.24	-1.17							
217	-1.85	-13.64	-1.24	-1.17							
218	-1.84	-9.47	-1.24	-1.17							
219	-1.84	-8.83	-1.24	-1.16							
220	-1.84	-8.20	-1.23	-1.16							
221	-1.84	-7.57	-1.23	-1.16							
222	-1.84	-8.20	-1.23	-1.16							
223	-1.84	-8.83	-1.24	-1.16							
224	-1.84	-9.47	-1.24	-1.17							
225	-1.85	-11.51	-1.24	-1.17							

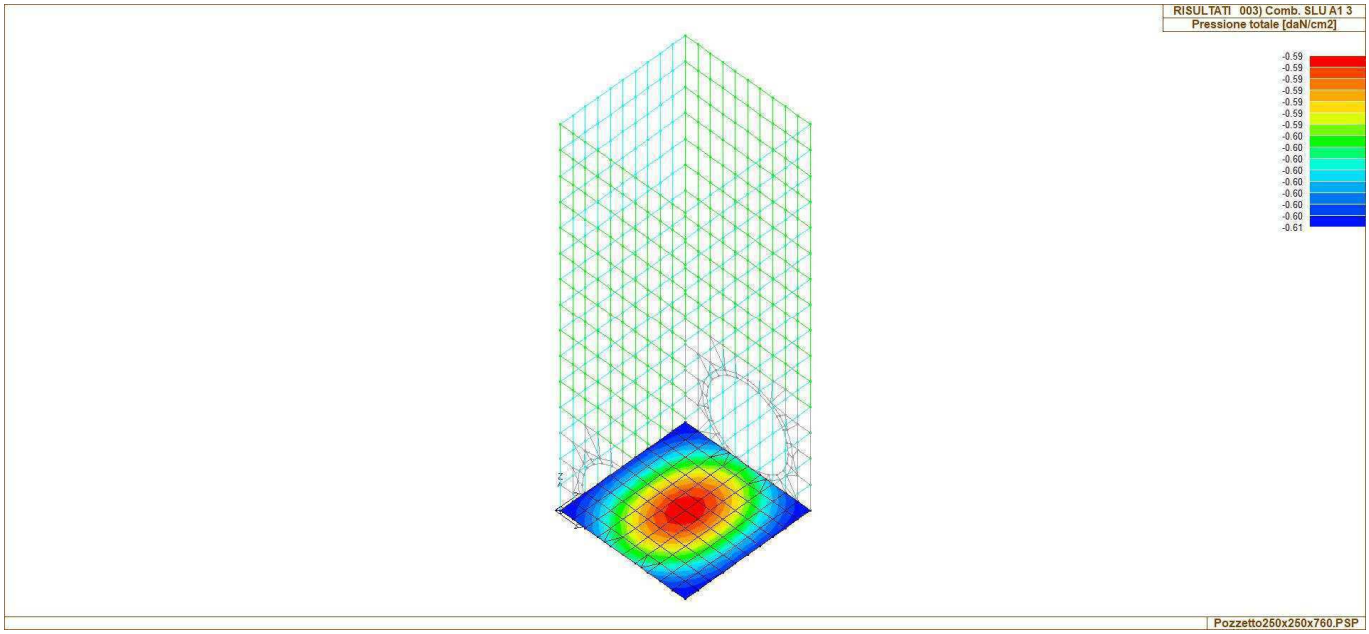
226	-1.85	-13.64	-1.24	-1.17
227	-1.84	-10.85	-1.24	-1.17
228	-1.85	-12.97	-1.24	-1.17
229	-1.84	-8.74	-1.23	-1.16
230	-1.83	-6.68	-1.23	-1.16
231	-1.83	-6.05	-1.23	-1.16
232	-1.83	-5.42	-1.23	-1.16
233	-1.83	-6.05	-1.23	-1.16
234	-1.83	-6.68	-1.23	-1.16
235	-1.84	-8.74	-1.23	-1.16
236	-1.84	-10.85	-1.24	-1.17
237	-1.85	-12.97	-1.24	-1.17
238	-1.84	-10.19	-1.23	-1.16
239	-1.84	-12.31	-1.24	-1.17
240	-1.83	-8.08	-1.23	-1.16
241	-1.83	-5.98	-1.23	-1.16
242	-1.82	-3.91	-1.22	-1.15
243	-1.82	-3.28	-1.22	-1.15
244	-1.82	-3.91	-1.22	-1.15
245	-1.83	-5.98	-1.23	-1.16
246	-1.83	-8.08	-1.23	-1.16
247	-1.84	-10.19	-1.23	-1.16
248	-1.84	-12.31	-1.24	-1.17
249	-1.84	-9.55	-1.23	-1.16
250	-1.83	-7.44	-1.23	-1.16
251	-1.83	-5.34	-1.22	-1.15
252	-1.82	-3.24	-1.22	-1.15
253	-1.82	-1.15	-1.22	-1.15
254	-1.82	-3.24	-1.22	-1.15
255	-1.83	-5.34	-1.22	-1.15
256	-1.83	-7.44	-1.23	-1.16
257	-1.84	-9.55	-1.23	-1.16
258	-1.84	-11.66	-1.24	-1.16
259	-1.84	-10.19	-1.23	-1.16
260	-1.84	-12.31	-1.24	-1.17
261	-1.83	-8.08	-1.23	-1.16
262	-1.83	-5.98	-1.23	-1.16
263	-1.82	-3.91	-1.22	-1.15
264	-1.82	-3.28	-1.22	-1.15
265	-1.82	-3.91	-1.22	-1.15
266	-1.83	-5.98	-1.23	-1.16
267	-1.83	-8.08	-1.23	-1.16
268	-1.84	-10.19	-1.23	-1.16
269	-1.84	-12.31	-1.24	-1.17
270	-1.84	-10.85	-1.24	-1.17
271	-1.85	-12.97	-1.24	-1.17
272	-1.84	-8.74	-1.23	-1.16
273	-1.83	-6.68	-1.23	-1.16
274	-1.83	-6.05	-1.23	-1.16
275	-1.83	-5.42	-1.23	-1.16
276	-1.83	-6.05	-1.23	-1.16
277	-1.83	-6.68	-1.23	-1.16
278	-1.84	-8.74	-1.23	-1.16
279	-1.84	-10.85	-1.24	-1.17
280	-1.85	-12.97	-1.24	-1.17
281	-1.85	-11.51	-1.24	-1.17
282	-1.85	-13.64	-1.24	-1.17
283	-1.84	-9.47	-1.24	-1.17
284	-1.84	-8.83	-1.24	-1.16
285	-1.84	-8.20	-1.23	-1.16
286	-1.84	-7.57	-1.23	-1.16
287	-1.84	-8.20	-1.23	-1.16
288	-1.84	-8.83	-1.24	-1.16
289	-1.84	-9.47	-1.24	-1.17
290	-1.85	-11.51	-1.24	-1.17
291	-1.85	-13.64	-1.24	-1.17
292	-1.85	-12.27	-1.24	-1.17
293	-1.86	-14.30	-1.25	-1.18
294	-1.85	-11.63	-1.24	-1.17
295	-1.85	-10.99	-1.24	-1.17
296	-1.85	-10.36	-1.24	-1.17
297	-1.85	-9.73	-1.24	-1.17
298	-1.85	-10.36	-1.24	-1.17
299	-1.85	-10.99	-1.24	-1.17
300	-1.85	-11.63	-1.24	-1.17
301	-1.85	-12.27	-1.24	-1.17
302	-1.86	-14.30	-1.25	-1.18

303	-1.86	-14.44	-1.25	-1.18
304	-1.86	-15.08	-1.25	-1.18
305	-1.86	-13.80	-1.25	-1.18
306	-1.86	-13.16	-1.25	-1.18
307	-1.86	-12.53	-1.25	-1.18
308	-1.86	-11.89	-1.25	-1.18
309	-1.86	-12.53	-1.25	-1.18
310	-1.86	-13.16	-1.25	-1.18
311	-1.86	-13.80	-1.25	-1.18
312	-1.86	-14.44	-1.25	-1.18
313	-1.86	-15.08	-1.25	-1.18
365	-1.84	-11.66	-1.24	-1.16
386	-1.84	-12.62	-1.24	-1.17
625	-1.84	-12.62	-1.24	-1.17
723	-1.84	-12.62	-1.24	-1.17

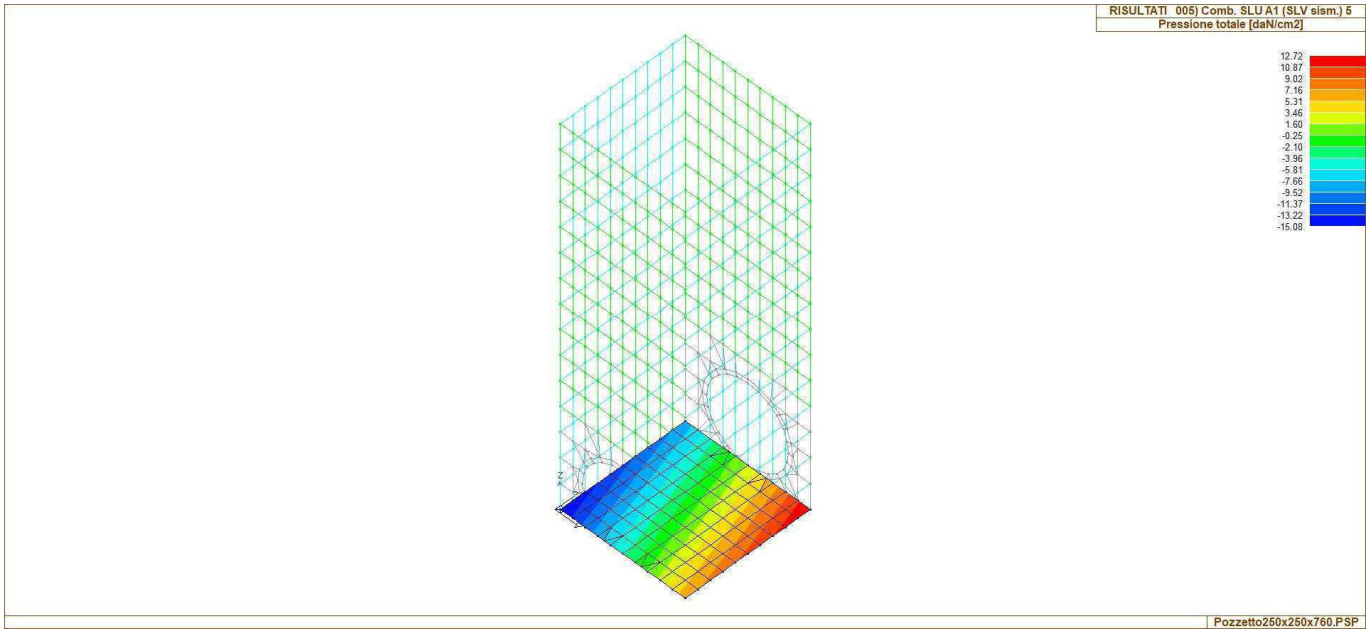
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
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	-1.15			



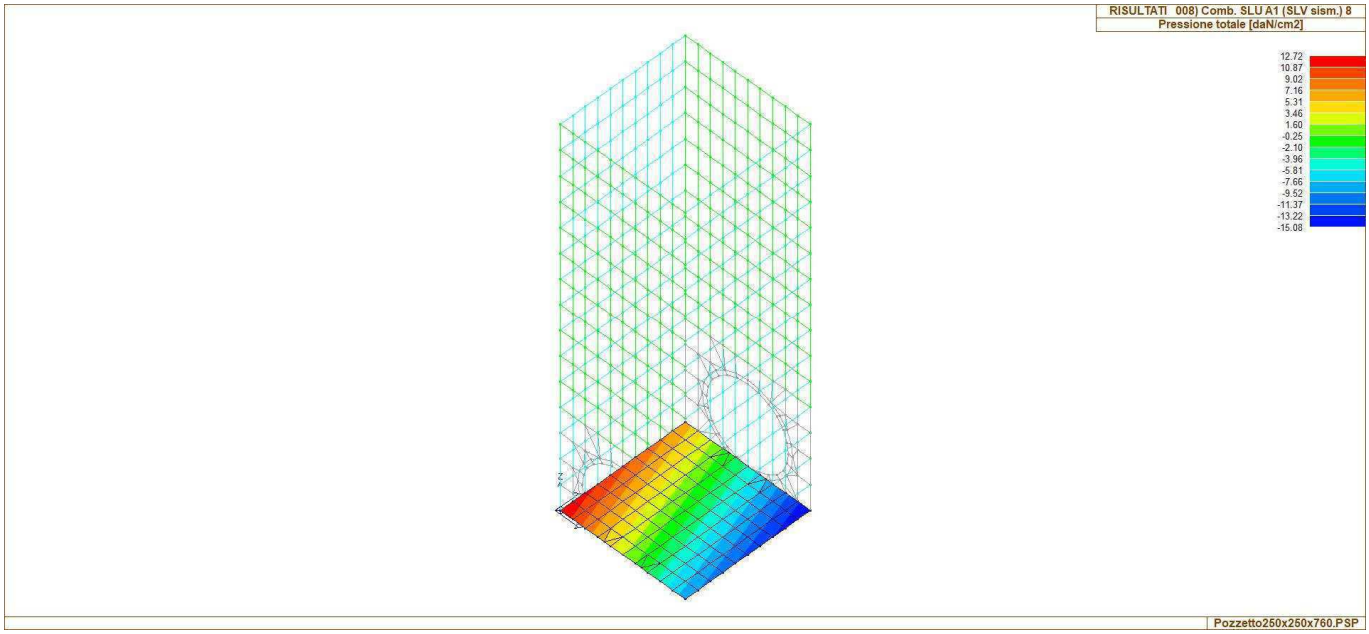
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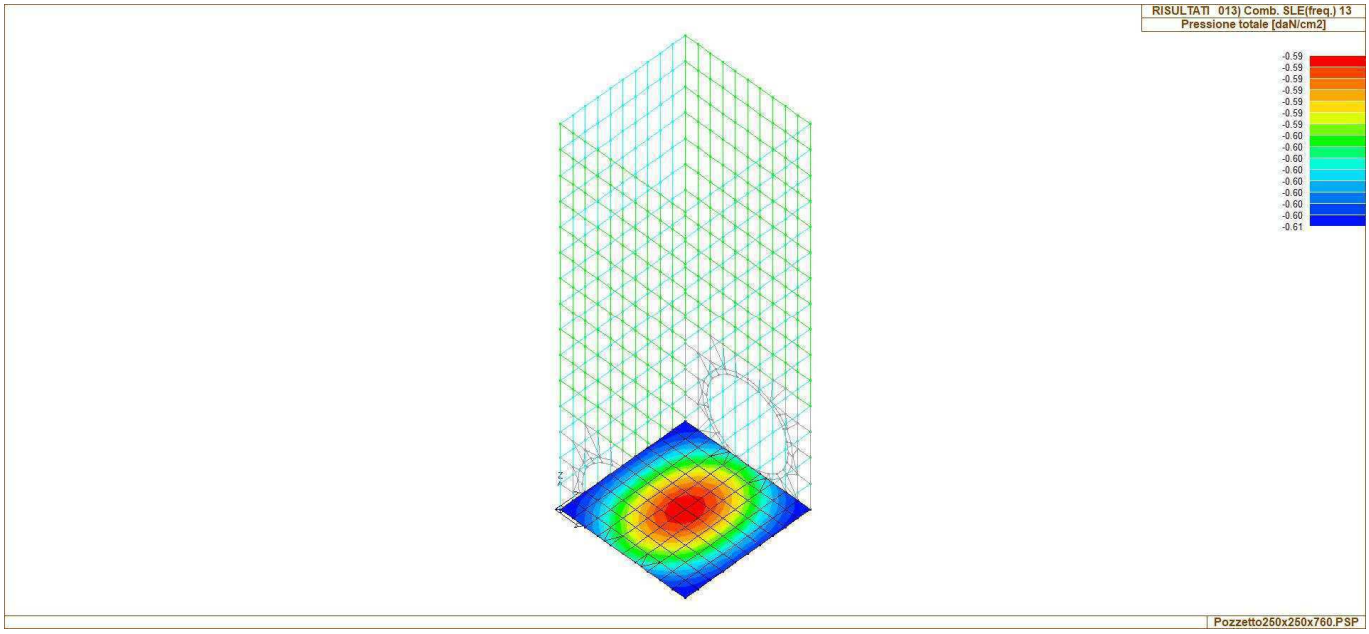
46_RIS_PRESSIONI_003_Comb. SLU A1 3



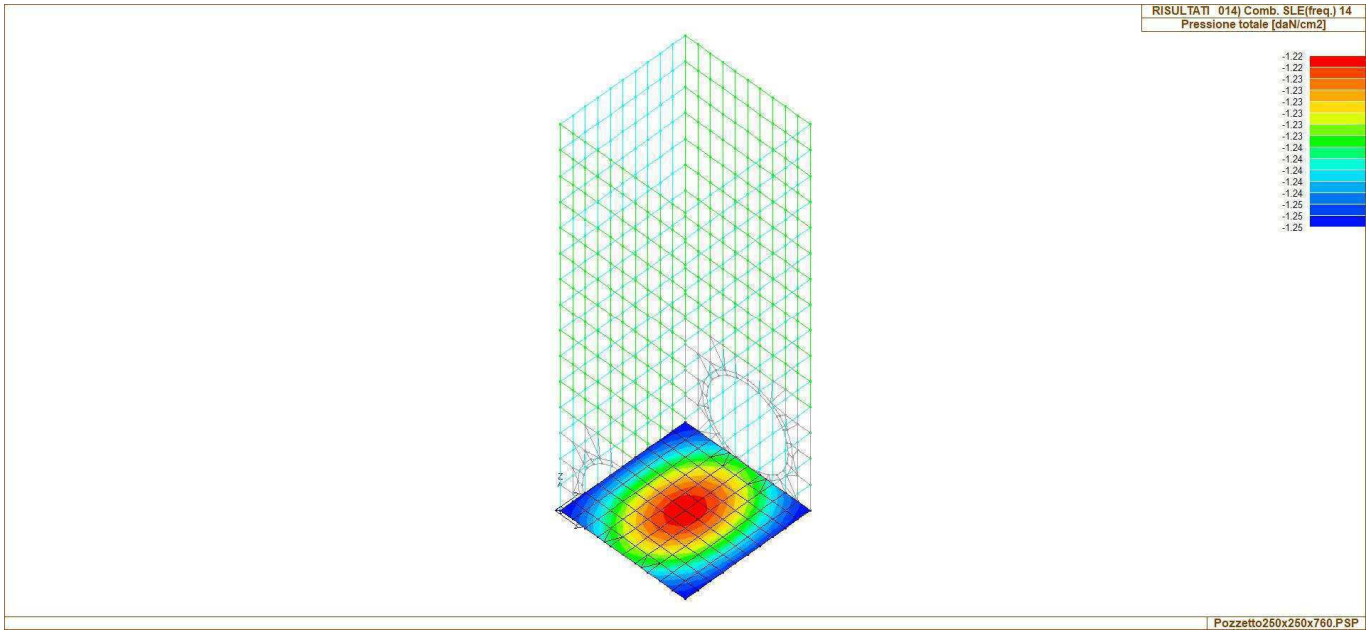
46_RIS_PRESSIONI_005_Comb. SLU A1 (SLV sism.) 5



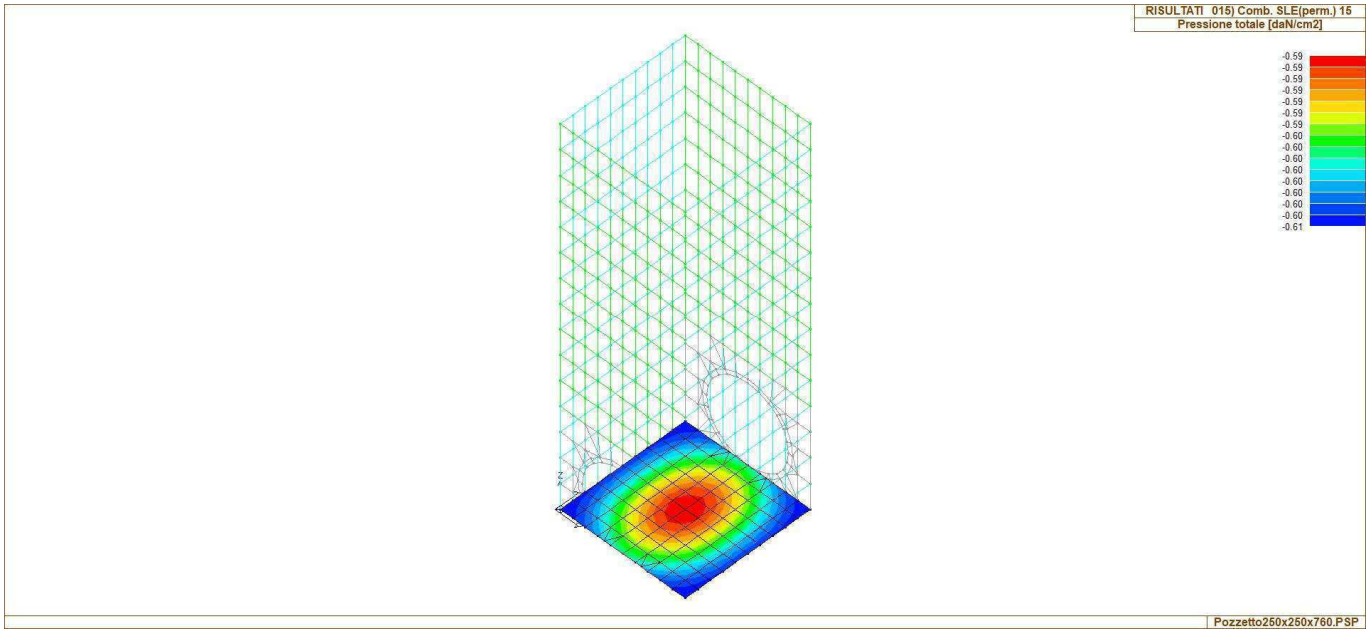
46_RIS_PRESSIONI_008_Comb. SLU A1 (SLV sism.) 8



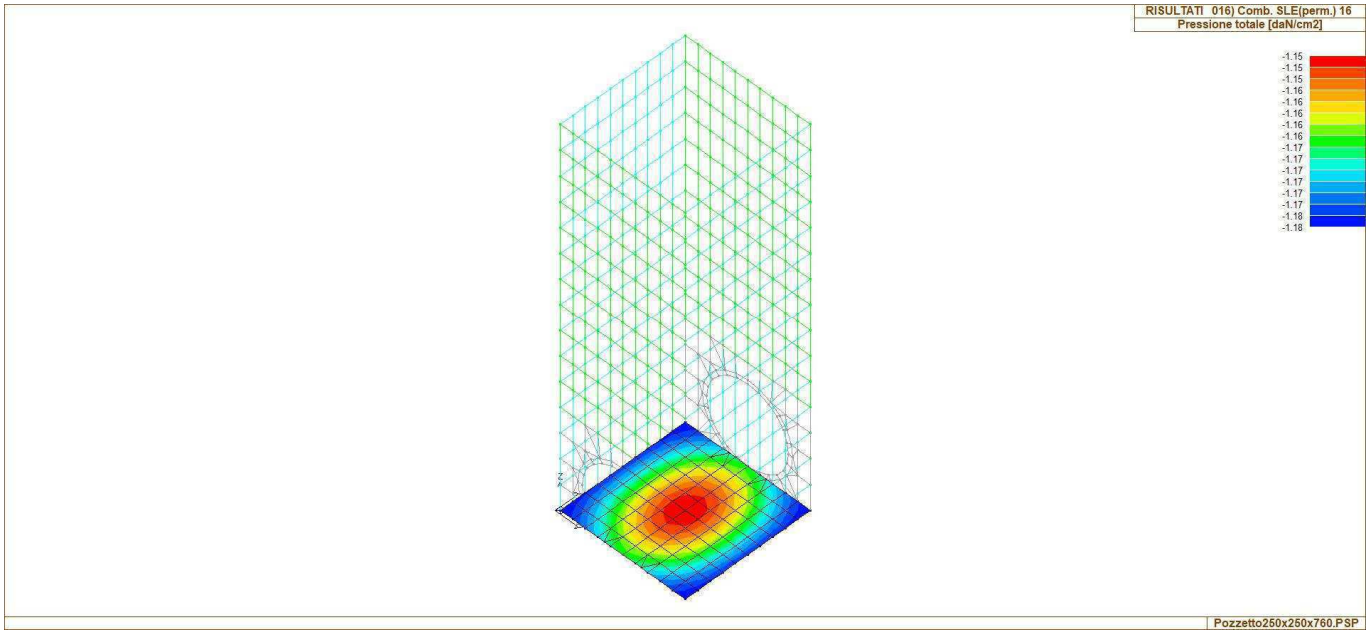
46_RIS_PRESSIONI_013_Comb. SLE(freq.) 13



46_RIS_PRESSIONI_014_Comb. SLE(freq.) 14



46_RIS_PRESSIONI_015_Comb. SLE(perm.) 15

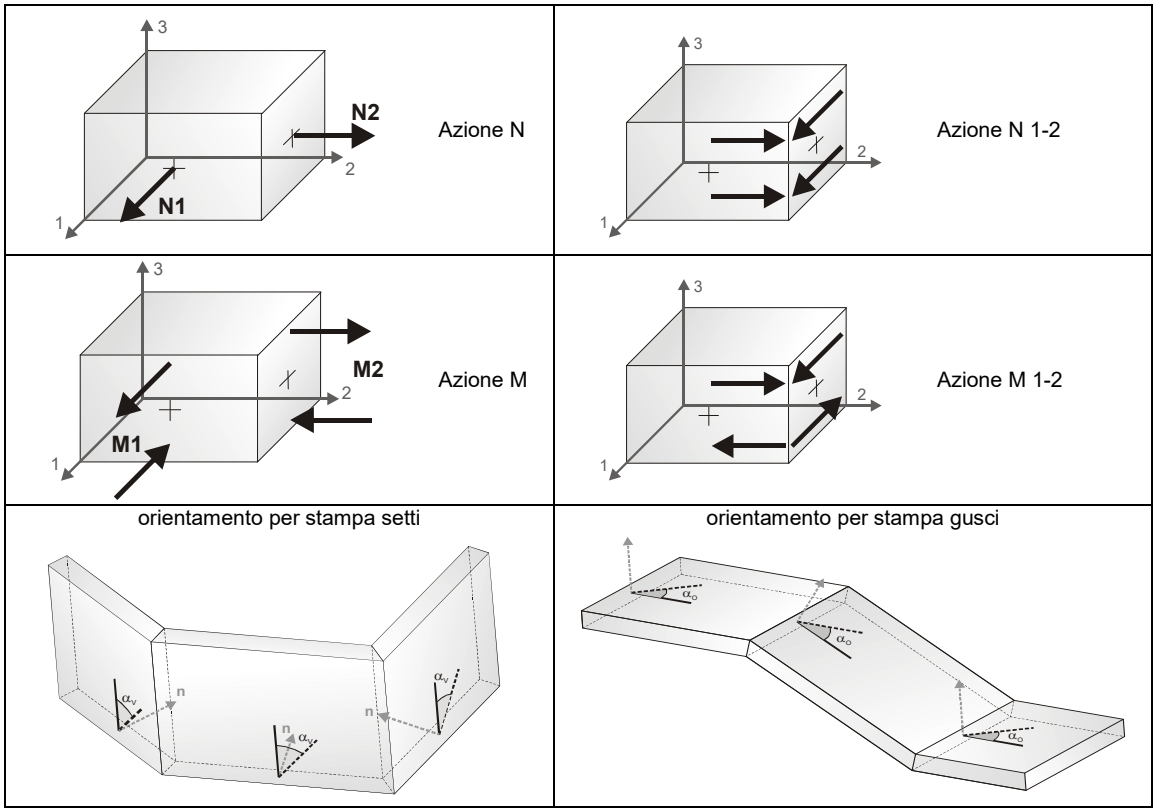


46_RIS_PRESSIONI_016_Comb. SLE(perm.) 16

RISULTATI ELEMENTI TIPO SHELL

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.



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 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	**M1**	
M2	**M1-2**	

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

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	1	320	10.23	-64.51	-91.83	-69.58	-86.75	10.63	-139.38	-1921.15	-1919.59	-140.94	52.58
		76	10.30	-62.63	-86.98	-68.86	-80.75	10.63	-105.01	-1919.19	-1915.70	-108.50	79.52
		77	9.63	-58.61	-85.39	-63.85	-80.14	10.63	-86.40	-1796.55	-1789.59	-93.37	108.91
		322	9.55	-60.22	-90.50	-64.57	-86.15	10.63	-121.78	-1797.50	-1793.48	-125.80	81.98
1	9	320	15.75	-1.63	-464.57	-8.05	-458.15	-54.15	622.74	229.06	247.23	604.58	82.59
		76	12.93	12.54	-361.37	4.53	-353.36	-54.15	608.62	205.82	243.22	571.22	116.91
		77	12.61	7.88	-362.03	-0.23	-353.93	-54.15	624.54	369.83	403.88	590.50	86.67
		322	15.44	-6.32	-465.20	-12.80	-458.72	-54.15	635.88	395.86	407.88	623.86	52.36
1	13	320	7.87	-49.62	-70.63	-53.52	-66.73	8.17	-107.22	-1477.81	-1476.61	-108.41	40.45
		76	7.92	-48.18	-66.91	-52.97	-62.11	8.17	-80.78	-1476.30	-1473.62	-83.46	61.17
		77	7.41	-45.08	-65.68	-49.11	-61.65	8.17	-66.46	-1381.96	-1376.61	-71.82	83.78
		322	7.35	-46.32	-69.62	-49.67	-66.27	8.17	-93.68	-1382.69	-1379.60	-96.77	63.06
1	15	320	7.87	-49.62	-70.63	-53.52	-66.73	8.17	-107.22	-1477.81	-1476.61	-108.41	40.45
		76	7.92	-48.18	-66.91	-52.97	-62.11	8.17	-80.78	-1476.30	-1473.62	-83.46	61.17
		77	7.41	-45.08	-65.68	-49.11	-61.65	8.17	-66.46	-1381.96	-1376.61	-71.82	83.78
		322	7.35	-46.32	-69.62	-49.67	-66.27	8.17	-93.68	-1382.69	-1379.60	-96.77	63.06
2	1	322	9.56	-56.40	-72.38	-62.22	-66.56	7.69	-194.57	-1806.08	-1802.20	-198.45	79.05
		77	9.64	-56.38	-72.34	-62.21	-66.51	7.69	-175.35	-1813.31	-1800.91	-187.75	141.95
		78	8.06	-48.32	-68.75	-51.81	-65.26	7.69	-135.63	-1523.22	-1506.44	-152.41	151.65
		324	7.96	-48.33	-68.79	-51.82	-65.31	7.69	-157.28	-1513.56	-1507.72	-163.12	88.76
2	12	322	10.69	207.48	-55.82	-47.10	198.76	47.11	-314.93	-1308.21	-1308.13	-315.01	-9.07
		77	10.05	167.39	-62.19	-52.08	157.28	47.11	-303.15	-1306.91	-1306.73	-303.34	13.54
		78	9.36	169.23	-51.18	-40.60	158.65	47.11	-289.99	-1201.49	-1200.85	-290.63	24.13
		324	10.02	209.20	-44.69	-35.63	200.14	47.11	-302.31	-1202.26	-1202.25	-302.31	1.51
2	13	322	7.35	-43.38	-55.68	-47.86	-51.20	5.91	-149.67	-1389.30	-1386.31	-152.66	60.81
		77	7.41	-43.37	-55.65	-47.86	-51.16	5.91	-134.89	-1394.85	-1385.32	-144.42	109.19
		78	6.20	-37.17	-52.88	-39.85	-50.20	5.91	-104.33	-1171.71	-1158.80	-117.24	116.66
		324	6.12	-37.18	-52.92	-39.86	-50.24	5.91	-120.99	-1164.28	-1159.79	-125.47	68.27
2	15	322	7.35	-43.38	-55.68	-47.86	-51.20	5.91	-149.67	-1389.30	-1386.31	-152.66	60.81
		77	7.41	-43.37	-55.65	-47.86	-51.16	5.91	-134.89	-1394.85	-1385.32	-144.42	109.19
		78	6.20	-37.17	-52.88	-39.85	-50.20	5.91	-104.33	-1171.71	-1158.80	-117.24	116.66
		324	6.12	-37.18	-52.92	-39.86	-50.24	5.91	-120.99	-1164.28	-1159.79	-125.47	68.27
3	1	324	7.96	-46.46	-56.82	-50.33	-52.95	5.01	-185.67	-1515.84	-1511.01	-190.50	80.00
		78	8.06	-47.27	-58.19	-50.57	-54.89	5.01	-171.37	-1529.58	-1510.95	-190.00	157.97
		79	6.13	-36.84	-54.94	-38.36	-53.43	5.01	-121.69	-1170.43	-1145.93	-146.20	158.42
		326	5.99	-36.45	-53.15	-38.12	-51.48	5.01	-140.26	-1152.42	-1145.99	-146.70	80.46
3	12	324	8.95	133.94	-54.47	-44.74	124.21	41.70	-191.89	-1189.00	-1189.00	-191.89	0.43
		78	8.73	115.76	-57.72	-47.03	105.08	41.70	-187.93	-1190.31	-1188.72	-189.52	39.91
		79	7.69	117.83	-46.73	-35.38	106.48	41.70	-165.23	-1005.99	-1003.88	-167.34	42.06
		326	7.91	135.90	-43.38	-33.09	125.61	41.70	-169.70	-1004.17	-1004.16	-169.71	2.58
3	13	324	6.12	-35.74	-43.71	-38.72	-40.73	3.86	-142.82	-1166.03	-1162.32	-146.54	61.54
		78	6.20	-36.36	-44.76	-38.90	-42.22	3.86	-131.82	-1176.60	-1162.27	-146.15	121.51
		79	4.71	-28.34	-42.26	-29.51	-41.10	3.86	-93.61	-900.33	-881.48	-112.46	121.86
		326	4.61	-28.04	-40.89	-29.33	-39.60	3.86	-107.89	-886.48	-881.53	-112.84	61.89
3	15	324	6.12	-35.74	-43.71	-38.72	-40.73	3.86	-142.82	-1166.03	-1162.32	-146.54	61.54
		78	6.20	-36.36	-44.76	-38.90	-42.22	3.86	-131.82	-1176.60	-1162.27	-146.15	121.51
		79	4.71	-28.34	-42.26	-29.51	-41.10	3.86	-93.61	-900.33	-881.48	-112.46	121.86
		326	4.61	-28.04	-40.89	-29.33	-39.60	3.86	-107.89	-886.48	-881.53	-112.84	61.89
4	4	326	6.55	39.13	-36.55	37.96	-35.38	9.34	1080.44	137.11	1079.51	138.04	-29.66
		79	6.61	38.42	-41.88	37.32	-40.78	9.34	1080.81	139.44	1079.80	140.45	-30.82
		80	6.57	37.89	-41.95	36.78	-40.85	9.34	1075.24	138.92	1074.37	139.80	-28.64
		328	6.51	38.60	-36.62	37.43	-35.44	9.34	1074.88	136.59	1074.08	137.39	-27.48
4	12	326	7.09	84.34	-51.59	-39.49	72.25	38.70	-125.82	-999.09	-998.92	-126.00	-12.43
		79	7.10	77.11	-53.18	-40.44	64.37	38.70	-124.97	-1000.60	-998.99	-126.59	37.60
		80	5.85	79.60	-42.59	-28.77	65.77	38.70	-96.43	-766.81	-764.76	-98.48	37.07
		328	5.82	86.72	-40.90	-27.82	73.65	38.70	-97.64	-764.94	-764.69	-97.89	-12.96
4	13	326	4.60	-27.57	-33.90	-28.53	-32.94	2.26	-116.73	-886.45	-882.47	-120.71	55.18
		79	4.69	-28.05	-35.77	-28.78	-35.04	2.26	-107.24	-900.30	-882.94	-124.60	116.04
		80	3.21	-18.86	-34.23	-19.20	-33.89	2.26	-66.59	-621.84	-598.02	-90.41	112.51
		328	3.08	-18.56	-32.18	-18.95	-31.79	2.26	-81.35	-602.72	-597.55	-86.52	51.65
4	15	326	4.60	-27.57	-33.90	-28.53	-32.94	2.26	-116.73	-886.45	-882.47	-120.71	55.18
		79	4.69	-28.05	-35.77	-28.78	-35.04	2.26	-107.24	-900.30	-882.94	-124.60	116.04
		80	3.21	-18.86	-34.23	-19.20	-33.89	2.26	-66.59	-621.84	-598.02	-90.41	112.51
		328	3.08	-18.56	-32.18	-18.95	-31.79	2.26	-81.35	-602.72	-597.55	-86.52	51.65
5	4	328	6.44	39.20	-26.77	38.55	-26.12	6.54	1071.95	116.69	1071.63	117.00	-17.32
		80	6.51	38.49	-32.25	37.88	-31.64	6.54	1071.83	112.68	1071.19	113.33	-24.83
		81	6.32	37.27	-32.40	36.65	-31.78	6.54	1036.90	108.25	1036.05	109.11	-28.16
		330	6.25	37.98	-26.93	37.31	-26.26	6.54	1036.95	112.32	1036.49	112.79	-20.66
5	5	328	5.64	27.73	-101.37	21.56	-95.19	27.55	653.86	64.79	653.29	65.36	18.31
		80	5.82	26.52	-108.64	20.65	-102.77	27.55	655.01	62.10	653.12	63.99	33.38
		81	6.09	26.54	-108.64	20.67	-102.77	27.55	725.28	70.88	723.70	72.46	32.14
		330	5.91	27.75	-101.36	21.58	-95.19	27.55	724.31	73.38	723.86	73.83	17.07
5	14	328	2.78	16.27	-26.59	15.82	-26.14	4.38	403.80	32.67	403.63	32.84	8.06
		80	2.88	15.70	-30.97	15.29	-30.56	4.38	404.70	25.90	403.00	27.60	25.32
		81	3.30	18.50	-30.61	18.10	-30.22	4.38	484.71	36.35	483.77	37.29	20.56
		330	3.21	19.06	-26.23	18.64	-25.80	4.38	484.42	42.51	484.40	42.54	3.31

5	15	328	3.07	-18.12	-26.33	-18.28	-26.17	1.13	-89.21	-602.56	-598.38	-93.39	46.15
		80	3.16	-18.49	-29.06	-18.61	-28.94	1.13	-81.47	-618.81	-599.29	-100.99	100.54
		81	1.91	-9.64	-27.94	-9.71	-27.87	1.13	-41.49	-373.58	-344.65	-70.43	93.66
		330	1.74	-9.30	-25.18	-9.38	-25.10	1.13	-57.45	-349.12	-343.74	-62.84	39.27
6	4	330	6.20	38.48	-19.67	38.14	-19.33	4.42	1034.84	96.93	1034.61	97.16	-14.74
		81	6.28	37.81	-25.07	37.49	-24.76	4.42	1034.77	85.85	1033.42	87.20	-35.76
		82	5.74	34.34	-25.50	34.01	-25.17	4.42	937.35	73.07	935.02	75.39	-44.79
		332	5.65	35.02	-20.10	34.67	-19.75	4.42	936.88	84.69	936.22	85.36	-23.77
6	9	330	5.49	32.40	-71.25	25.73	-64.57	-25.44	727.34	42.92	726.67	43.60	-21.50
		81	5.57	31.76	-74.68	25.29	-68.21	-25.44	725.73	32.89	725.42	33.20	-14.66
		82	5.71	31.16	-74.79	24.65	-68.28	-25.44	758.26	36.24	757.45	37.04	-24.08
		332	5.63	31.80	-71.36	25.09	-64.65	-25.44	760.04	46.10	758.70	47.44	-30.92
6	14	330	3.15	19.60	-19.79	19.38	-19.58	2.90	482.86	29.12	482.80	29.18	5.34
		81	3.25	19.01	-24.48	18.82	-24.28	2.90	481.66	18.08	481.48	18.26	8.96
		82	3.33	19.58	-24.40	19.39	-24.21	2.90	498.43	20.29	498.43	20.29	-0.95
		332	3.24	20.16	-19.72	19.95	-19.51	2.90	499.78	31.17	499.74	31.22	-4.57
6	16	330	2.66	16.45	-19.82	16.25	-19.62	2.65	391.03	17.65	390.83	17.85	8.69
		81	2.76	15.88	-24.38	15.70	-24.20	2.65	390.20	6.06	389.50	6.76	16.41
		82	2.94	17.12	-24.22	16.95	-24.05	2.65	425.76	11.01	425.66	11.10	6.36
		332	2.84	17.69	-19.66	17.50	-19.47	2.65	427.00	22.19	426.99	22.19	-1.36
7	2	195	8.52	-14.72	-41.80	-30.32	-26.20	13.38	170.20	-1508.76	-8.31	-1330.26	517.54
		198	11.80	-35.10	-95.31	-38.24	-92.17	13.38	97.19	-1905.47	-58.63	-1749.64	536.46
		83	11.70	37.61	-84.73	36.13	-83.24	13.38	43.65	-1752.72	29.94	-1739.02	156.32
		73	8.12	46.84	-20.06	44.05	-17.27	13.38	93.63	-1332.98	80.27	-1319.63	137.40
7	9	195	29.07	-163.53	-333.81	-172.63	-324.71	-38.29	-532.58	-4603.30	-587.99	-4547.89	-471.70
		198	35.46	-186.39	-485.84	-191.37	-480.86	-38.29	-605.26	-5104.05	-649.43	-5059.88	-443.58
		83	38.49	71.67	-452.45	68.86	-449.63	-38.29	-342.56	-5219.30	-517.78	-5044.08	-907.64
		73	32.25	91.41	-297.29	87.60	-293.48	-38.29	-251.77	-4736.67	-456.34	-4532.09	-935.76
7	14	195	6.12	-13.20	-34.61	-23.69	-24.12	10.70	70.79	-1089.59	-18.94	-999.86	309.95
		198	8.76	-26.92	-74.67	-29.45	-72.14	10.70	17.10	-1419.73	-60.07	-1342.56	323.92
		83	8.75	19.76	-67.72	18.43	-66.39	10.70	5.45	-1334.85	5.32	-1334.71	13.29
		73	5.92	26.73	-20.91	24.19	-18.37	10.70	46.44	-992.01	46.44	-992.01	-0.67
7	16	195	5.97	-13.86	-35.66	-23.83	-25.68	10.86	48.98	-1063.50	-23.89	-990.63	275.23
		198	8.66	-26.89	-75.20	-29.47	-72.62	10.86	-3.54	-1403.67	-65.96	-1341.25	288.96
		83	8.67	16.15	-68.73	14.74	-67.32	10.86	-1.04	-1334.16	-1.66	-1333.54	-28.84
		73	5.83	23.09	-23.09	20.38	-20.38	10.86	42.18	-984.68	40.41	-982.92	-42.57
8	2	73	7.75	45.19	-37.66	41.99	-34.46	15.98	130.78	-1130.20	105.98	-1105.40	175.09
		83	8.68	38.56	-83.00	36.42	-80.86	15.98	132.62	-1082.47	111.29	-1061.14	159.58
		84	8.52	32.16	-83.88	29.91	-81.64	15.98	73.56	-1104.73	38.68	-1069.85	199.70
		74	7.59	38.92	-38.68	35.48	-35.24	15.98	72.40	-1153.14	33.37	-1114.11	215.21
8	9	73	26.29	96.54	-263.64	91.75	-258.85	-41.26	-215.18	-3658.09	-336.86	-3536.41	-635.71
		83	24.90	85.60	-347.20	81.63	-343.23	-41.26	-73.82	-2878.67	-238.21	-2714.28	-658.82
		84	23.09	45.68	-352.39	41.35	-348.06	-41.26	-343.30	-2730.40	-346.42	-2727.27	86.35
		74	24.60	56.79	-268.99	51.48	-263.68	-41.26	-441.22	-3553.25	-445.08	-3549.39	109.46
8	14	73	5.00	25.48	-35.54	22.49	-32.55	13.17	82.72	-694.11	82.25	-693.64	19.12
		83	5.57	20.74	-66.24	18.69	-64.20	13.17	88.36	-642.71	88.36	-642.70	1.97
		84	5.34	12.74	-67.41	10.51	-65.18	13.17	11.57	-655.82	8.08	-652.33	48.14
		74	4.78	17.69	-36.92	14.31	-33.53	13.17	7.96	-709.26	1.97	-703.27	65.28
8	16	73	4.65	21.85	-38.15	18.63	-34.93	13.52	83.51	-632.89	82.53	-631.92	-26.41
		83	5.17	17.25	-67.21	15.02	-64.98	13.52	92.56	-577.45	89.44	-574.33	-45.61
		84	4.89	8.05	-68.58	5.58	-66.12	13.52	-0.38	-585.19	-0.46	-585.12	6.59
		74	4.39	12.92	-39.80	9.19	-36.06	13.52	-6.32	-643.75	-7.37	-642.71	25.79
9	4	74	5.07	41.41	-48.91	41.34	-48.84	2.45	244.93	-491.59	139.63	-386.29	257.82
		84	5.59	39.80	-62.26	39.74	-62.20	2.45	216.09	-545.20	130.80	-459.91	240.12
		85	4.96	26.44	-63.87	26.37	-63.80	2.45	100.62	-522.55	47.92	-469.85	173.39
		75	4.39	28.05	-50.52	27.97	-50.45	2.45	126.60	-466.08	56.75	-396.24	191.09
9	5	74	20.78	94.42	-246.77	62.92	-215.27	98.76	171.66	-2495.28	156.70	-2480.32	199.19
		84	21.19	77.97	-328.72	52.38	-303.12	98.76	209.50	-2110.19	202.01	-2102.70	131.56
		85	21.31	55.62	-332.95	28.65	-305.97	98.76	-9.27	-2246.03	-114.61	-2140.70	473.83
		75	21.00	72.73	-251.66	39.19	-218.12	98.76	-41.55	-2636.69	-159.92	-2518.32	541.46
9	13	74	3.58	-29.82	-73.06	-33.33	-69.55	11.81	327.51	-154.44	-37.77	210.84	-206.44
		84	4.18	-29.61	-72.05	-33.19	-68.46	11.81	450.61	-157.74	-24.94	317.80	-251.31
		85	3.81	-45.27	-76.08	-50.78	-70.57	11.81	334.44	-276.84	-235.00	292.59	-154.36
		75	3.22	-45.57	-77.00	-50.91	-71.66	11.81	211.72	-273.92	-247.83	185.63	-109.49
9	15	74	3.58	-29.82	-73.06	-33.33	-69.55	11.81	327.51	-154.44	-37.77	210.84	-206.44
		84	4.18	-29.61	-72.05	-33.19	-68.46	11.81	450.61	-157.74	-24.94	317.80	-251.31
		85	3.81	-45.27	-76.08	-50.78	-70.57	11.81	334.44	-276.84	-235.00	292.59	-154.36
		75	3.22	-45.57	-77.00	-50.91	-71.66	11.81	211.72	-273.92	-247.83	185.63	-109.49
10	1	75	3.79	-63.69	-96.04	-66.23	-93.50	8.70	242.69	-327.11	-322.57	238.14	-50.69
		85	4.03	-61.71	-87.43	-65.10	-84.05	8.70	343.56	-319.98	-310.99	334.57	-76.70
		86	4.07	-65.50	-88.54	-69.47	-84.57	8.70	320.11	-432.91	-432.76	319.96	10.70
		76	3.87	-67.73	-96.91	-70.60	-94.03	8.70	225.54	-446.34	-444.33	223.53	36.71
10	11	75	18.01	8.26	-391.74	-50.09	-333.39	-141.20	1219.94	-346.19	-268.30	1142.06	340.45
		85	14.97	42.97	-289.70	-35.43	-211.29	-141.20	1031.56	-424.31	-296.86	904.11	411.47
		86	13.34	46.68	-288.18	-30.77	-210.73	-141.20	984.42	-4.75	35.65	944.01	195.79
		76	16.63	12.34	-390.59	-45.42	-332.83	-141.20	1195.72	50.45	64.21	1181.96	124.77
10	13	75	2.92	-48.99	-73.88	-50.95	-71.93	6.69	186.68	-251.63	-248.13	183.19	-39.00

		85	3.10	-47.47	-67.26	-50.07	-64.65	6.69	264.28	-246.14	-239.23	257.36	-59.00
		86	3.13	-50.38	-68.11	-53.44	-65.05	6.69	246.24	-333.01	-332.89	246.12	8.23
		76	2.97	-52.10	-74.54	-54.31	-72.33	6.69	173.49	-343.34	-341.79	171.95	28.24
10	15	75	2.92	-48.99	-73.88	-50.95	-71.93	6.69	186.68	-251.63	-248.13	183.19	-39.00
		85	3.10	-47.47	-67.26	-50.07	-64.65	6.69	264.28	-246.14	-239.23	257.36	-59.00
		86	3.13	-50.38	-68.11	-53.44	-65.05	6.69	246.24	-333.01	-332.89	246.12	8.23
		76	2.97	-52.10	-74.54	-54.31	-72.33	6.69	173.49	-343.34	-341.79	171.95	28.24
11	2	76	4.09	8.35	-102.99	8.35	-102.99	-0.06	285.09	85.31	113.50	256.90	-69.55
		86	3.64	9.94	-89.74	9.94	-89.74	-0.06	258.19	93.56	111.50	240.26	-51.30
		87	3.59	16.13	-89.00	16.13	-89.00	-0.06	295.31	152.14	196.94	250.51	-66.39
		77	4.04	14.54	-102.25	14.54	-102.25	-0.06	324.30	141.80	198.94	267.15	-84.64
11	9	76	14.18	-4.45	-377.25	-24.82	-356.88	-84.73	626.61	-180.48	-85.63	531.76	259.91
		86	11.91	10.32	-299.50	-14.91	-274.27	-84.73	534.86	-259.32	-103.91	379.46	315.07
		87	10.97	17.78	-297.97	-6.88	-273.31	-84.73	500.88	63.90	154.33	410.44	177.03
		77	13.38	3.19	-375.91	-16.80	-355.92	-84.73	597.69	137.67	172.61	562.75	121.87
11	13	76	2.96	-51.31	-63.90	-53.08	-62.13	4.38	64.68	-370.42	-356.35	50.61	76.96
		86	2.95	-50.14	-60.41	-52.59	-57.96	4.38	112.91	-362.11	-350.29	101.09	73.99
		87	3.03	-46.26	-59.12	-47.97	-57.41	4.38	128.52	-393.31	-364.21	99.42	119.74
		77	3.04	-47.14	-62.90	-48.47	-61.57	4.38	82.22	-403.55	-370.27	48.94	122.72
11	15	76	2.96	-51.31	-63.90	-53.08	-62.13	4.38	64.68	-370.42	-356.35	50.61	76.96
		86	2.95	-50.14	-60.41	-52.59	-57.96	4.38	112.91	-362.11	-350.29	101.09	73.99
		87	3.03	-46.26	-59.12	-47.97	-57.41	4.38	128.52	-393.31	-364.21	99.42	119.74
		77	3.04	-47.14	-62.90	-48.47	-61.57	4.38	82.22	-403.55	-370.27	48.94	122.72
12	1	77	4.05	-59.06	-68.72	-61.38	-66.41	4.12	38.99	-562.42	-492.67	-30.76	192.57
		87	4.08	-58.60	-67.71	-61.22	-65.09	4.12	68.34	-563.73	-489.67	-5.72	203.29
		88	3.77	-49.45	-65.01	-50.63	-63.82	4.12	95.72	-534.91	-439.49	0.30	225.98
		78	3.74	-49.69	-66.24	-50.79	-65.14	4.12	66.33	-533.56	-442.49	-24.74	215.27
12	9	77	9.80	9.11	-297.23	-7.73	-280.39	-69.82	300.53	118.56	138.72	280.36	57.12
		87	8.49	18.23	-248.38	-1.52	-228.63	-69.82	288.63	92.26	134.63	246.25	80.78
		88	8.26	22.76	-247.48	3.32	-228.05	-69.82	302.83	202.10	245.39	259.55	49.87
		78	9.59	13.72	-296.42	-2.89	-279.81	-69.82	305.84	237.30	249.49	293.65	26.21
12	13	77	3.12	-45.43	-52.86	-47.21	-51.08	3.17	29.99	-432.63	-378.98	-23.66	148.13
		87	3.14	-45.08	-52.09	-47.09	-50.07	3.17	52.57	-433.64	-376.67	-4.40	156.38
		88	2.90	-38.04	-50.00	-38.95	-49.10	3.17	73.63	-411.47	-338.07	0.23	173.83
		78	2.88	-38.22	-50.95	-39.07	-50.11	3.17	51.03	-410.43	-340.38	-19.03	165.59
12	15	77	3.12	-45.43	-52.86	-47.21	-51.08	3.17	29.99	-432.63	-378.98	-23.66	148.13
		87	3.14	-45.08	-52.09	-47.09	-50.07	3.17	52.57	-433.64	-376.67	-4.40	156.38
		88	2.90	-38.04	-50.00	-38.95	-49.10	3.17	73.63	-411.47	-338.07	0.23	173.83
		78	2.88	-38.22	-50.95	-39.07	-50.11	3.17	51.03	-410.43	-340.38	-19.03	165.59
13	1	78	3.72	-48.27	-56.04	-49.54	-54.77	2.88	38.75	-548.08	-447.00	-62.32	221.58
		88	3.82	-48.48	-56.78	-49.64	-55.62	2.88	53.44	-563.10	-447.04	-62.61	241.01
		89	3.30	-36.95	-54.64	-37.43	-54.15	2.88	80.93	-488.70	-356.08	-51.70	240.75
		79	3.18	-36.82	-53.81	-37.33	-53.30	2.88	64.94	-472.39	-356.04	-51.41	221.32
13	12	78	7.42	131.87	-67.08	-41.01	105.80	67.13	-134.46	-766.63	-762.69	-138.40	49.76
		88	7.11	108.40	-73.76	-44.24	78.88	67.13	-123.08	-767.89	-761.60	-129.37	63.34
		89	6.73	110.91	-65.80	-34.89	80.00	67.13	-113.00	-706.81	-698.06	-121.74	71.52
		79	7.04	134.11	-58.84	-31.66	106.93	67.13	-124.93	-705.00	-699.15	-130.78	57.95
13	13	78	2.86	-37.13	-43.11	-38.11	-42.13	2.22	29.81	-421.60	-343.85	-47.94	170.45
		88	2.93	-37.29	-43.68	-38.19	-42.78	2.22	41.11	-433.15	-343.88	-48.16	185.39
		89	2.54	-28.42	-42.03	-28.79	-41.66	2.22	62.25	-375.93	-273.90	-39.77	185.19
		79	2.45	-28.33	-41.39	-28.71	-41.00	2.22	49.96	-363.38	-273.88	-39.55	170.24
13	15	78	2.86	-37.13	-43.11	-38.11	-42.13	2.22	29.81	-421.60	-343.85	-47.94	170.45
		88	2.93	-37.29	-43.68	-38.19	-42.78	2.22	41.11	-433.15	-343.88	-48.16	185.39
		89	2.54	-28.42	-42.03	-28.79	-41.66	2.22	62.25	-375.93	-273.90	-39.77	185.19
		79	2.45	-28.33	-41.39	-28.71	-41.00	2.22	49.96	-363.38	-273.88	-39.55	170.24
14	4	79	3.32	39.04	-41.15	38.52	-40.64	6.42	348.51	43.26	340.09	51.68	-50.00
		89	3.35	38.61	-44.53	38.11	-44.03	6.42	349.67	52.37	341.19	60.85	-49.49
		90	3.35	38.56	-44.54	38.06	-44.04	6.42	349.46	55.26	343.58	61.14	-41.18
		80	3.32	38.99	-41.16	38.47	-40.64	6.42	348.35	46.10	342.48	51.97	-41.69
14	12	79	6.23	90.57	-62.47	-36.71	64.82	57.25	-85.32	-698.96	-694.26	-90.02	53.50
		89	6.13	77.33	-66.88	-38.60	49.06	57.25	-86.90	-704.91	-695.06	-96.74	77.38
		90	5.46	80.81	-57.50	-27.13	50.44	57.25	-73.36	-593.21	-583.25	-83.33	71.29
		80	5.56	93.74	-52.79	-25.24	66.19	57.25	-72.20	-586.85	-582.44	-76.61	47.41
14	13	79	2.37	-27.75	-35.18	-27.99	-34.95	1.30	35.33	-362.36	-275.33	-51.69	164.42
		89	2.48	-27.97	-36.66	-28.17	-36.46	1.30	41.55	-379.92	-276.55	-61.81	181.33
		90	2.07	-18.56	-35.42	-18.66	-35.32	1.30	61.97	-311.65	-197.37	-52.31	172.16
		80	1.94	-18.37	-33.92	-18.48	-33.81	1.30	54.11	-292.45	-196.15	-42.19	155.24
14	15	79	2.37	-27.75	-35.18	-27.99	-34.95	1.30	35.33	-362.36	-275.33	-51.69	164.42
		89	2.48	-27.97	-36.66	-28.17	-36.46	1.30	41.55	-379.92	-276.55	-61.81	181.33
		90	2.07	-18.56	-35.42	-18.66	-35.32	1.30	61.97	-311.65	-197.37	-52.31	172.16
		80	1.94	-18.37	-33.92	-18.48	-33.81	1.30	54.11	-292.45	-196.15	-42.19	155.24
15	4	80	3.25	39.93	-31.78	39.58	-31.43	5.00	343.81	20.99	339.31	25.50	-37.89
		90	3.33	39.43	-35.76	39.10	-35.43	5.00	343.85	15.16	338.68	20.33	-40.89
		91	3.23	37.94	-35.95	37.60	-35.61	5.00	331.25	12.00	324.60	18.64	-45.58
		81	3.15	38.44	-31.97	38.08	-31.61	5.00	331.12	17.91	325.22	23.81	-42.57
15	12	80	4.83	61.06	-52.72	-28.74	37.07	46.41	-65.56	-583.75	-581.40	-67.91	34.81
		90	4.83	53.01	-55.91	-29.94	27.04	46.41	-74.63	-591.13	-583.16	-82.61	63.68

		91	3.99	58.12	-44.66	-15.34	28.79	46.41	-59.86	-454.56	-448.03	-66.39	50.35
		81	3.98	65.78	-41.09	-14.13	38.83	46.41	-50.53	-447.43	-446.26	-51.69	21.49
15	14	80	1.78	16.81	-30.62	16.59	-30.40	3.23	133.21	-14.40	124.61	-5.80	34.58
		90	1.89	16.41	-33.84	16.21	-33.63	3.23	133.50	-26.23	123.38	-16.11	38.91
		91	2.00	18.98	-33.52	18.78	-33.32	3.23	149.06	-19.05	143.68	-13.67	29.57
		81	1.89	19.38	-30.30	19.16	-30.09	3.23	149.10	-7.54	144.92	-3.37	25.24
15	15	80	1.82	-17.85	-28.88	-17.88	-28.85	0.59	35.40	-285.58	-197.42	-52.76	143.27
		90	1.95	-18.10	-30.95	-18.13	-30.93	0.59	36.02	-306.38	-199.58	-70.77	158.62
		91	1.62	-9.44	-29.90	-9.46	-29.88	0.59	51.11	-240.95	-127.70	-62.14	142.30
		81	1.46	-9.19	-27.83	-9.21	-27.81	0.59	48.48	-218.15	-125.53	-44.13	126.95
16	4	81	3.11	39.15	-24.81	38.92	-24.59	3.82	330.26	-5.76	322.59	1.90	-50.17
		91	3.22	38.70	-28.50	38.48	-28.28	3.82	330.17	-24.55	320.57	-14.94	-57.56
		92	2.98	34.54	-29.01	34.31	-28.78	3.82	302.46	-35.59	285.96	-19.10	-72.83
		82	2.86	35.00	-25.33	34.76	-25.09	3.82	302.06	-16.32	287.99	-2.25	-65.44
16	7	81	4.39	44.38	-28.31	9.01	7.07	-36.33	471.68	-166.55	305.14	-0.01	280.27
		91	4.34	45.99	-26.68	9.35	9.95	-36.33	452.88	-178.29	301.87	-27.28	269.28
		92	4.04	48.12	-24.59	13.12	10.41	-36.33	391.22	-174.30	250.38	-33.45	244.57
		82	4.10	46.58	-26.28	12.78	7.52	-36.33	410.42	-162.96	253.65	-6.19	255.56
16	14	81	1.82	20.02	-24.29	19.88	-24.15	2.48	143.75	-23.52	142.64	-22.41	13.63
		91	1.95	19.63	-27.43	19.50	-27.30	2.48	141.28	-43.53	140.23	-42.47	13.91
		92	1.94	19.61	-27.44	19.48	-27.30	2.48	141.65	-42.41	141.55	-42.31	-4.27
		82	1.81	20.00	-24.30	19.86	-24.16	2.48	144.09	-22.37	143.96	-22.25	-4.56
16	16	81	1.63	16.83	-24.21	16.70	-24.08	2.26	116.75	-30.57	112.64	-26.46	24.26
		91	1.77	16.45	-27.26	16.34	-27.14	2.26	114.30	-51.20	110.17	-47.06	25.83
		92	1.79	17.13	-27.17	17.01	-27.06	2.26	117.80	-46.50	117.48	-46.18	7.15
		82	1.65	17.50	-24.12	17.38	-24.00	2.26	120.17	-25.79	119.96	-25.58	5.59
17	1	198	10.56	-41.16	-104.71	-45.53	-100.33	16.08	-92.24	-1723.77	-92.53	-1723.48	-21.61
		200	13.55	-46.16	-134.00	-49.21	-130.95	16.08	-147.83	-2186.72	-148.09	-2186.47	22.76
		93	14.31	-18.86	-129.97	-21.24	-127.59	16.08	128.45	-2230.33	59.66	-2161.54	-396.89
		83	11.51	-14.43	-100.11	-17.56	-96.98	16.08	216.88	-1800.21	115.22	-1698.55	-441.27
17	9	198	38.05	-168.69	-524.49	-210.07	-483.11	-114.06	-364.58	-5320.73	-628.01	-5057.30	-1111.84
		200	36.68	-169.64	-528.34	-210.58	-487.40	-114.06	-301.79	-4987.47	-585.57	-4703.68	-1117.67
		93	37.62	93.01	-477.62	69.22	-453.82	-114.06	-463.11	-4856.69	-612.84	-4706.96	-797.15
		83	39.04	93.69	-473.48	69.74	-449.53	-114.06	-517.44	-5198.41	-655.28	-5060.58	-791.32
17	13	198	8.12	-31.66	-80.54	-35.03	-77.18	12.37	-70.96	-1325.97	-71.18	-1325.75	-16.63
		200	10.42	-35.51	-103.07	-37.85	-100.73	12.37	-113.72	-1682.10	-113.91	-1681.90	17.51
		93	11.01	-14.51	-99.98	-16.34	-98.15	12.37	98.81	-1715.64	45.89	-1662.72	-305.30
		83	8.85	-11.10	-77.01	-13.51	-74.60	12.37	166.83	-1384.77	88.63	-1306.58	-339.44
17	15	198	8.12	-31.66	-80.54	-35.03	-77.18	12.37	-70.96	-1325.97	-71.18	-1325.75	-16.63
		200	10.42	-35.51	-103.07	-37.85	-100.73	12.37	-113.72	-1682.10	-113.91	-1681.90	17.51
		93	11.01	-14.51	-99.98	-16.34	-98.15	12.37	98.81	-1715.64	45.89	-1662.72	-305.30
		83	8.85	-11.10	-77.01	-13.51	-74.60	12.37	166.83	-1384.77	88.63	-1306.58	-339.44
18	2	83	8.17	41.52	-83.12	38.95	-80.55	17.70	-131.93	-1125.05	-162.93	-1094.04	172.72
		93	8.89	37.67	-111.19	35.53	-109.06	17.70	-142.44	-1126.45	-164.21	-1104.69	144.73
		94	8.63	36.58	-111.34	34.43	-109.19	17.70	-273.67	-1141.96	-295.22	-1120.41	135.09
		84	7.90	40.44	-83.27	37.85	-80.68	17.70	-262.56	-1141.15	-293.95	-1109.77	163.07
18	5	83	23.61	30.24	-408.09	13.60	-391.45	83.76	24.43	-2548.47	-22.80	-2501.24	-345.39
		93	24.49	19.47	-478.12	4.95	-463.59	83.76	44.73	-2307.99	5.14	-2268.40	-302.62
		94	25.75	73.94	-470.12	60.72	-456.90	83.76	208.79	-2247.79	205.37	-2244.38	-91.58
		84	24.86	84.33	-399.72	69.38	-384.76	83.76	184.21	-2483.99	177.43	-2477.21	-134.35
18	14	83	5.32	22.88	-66.37	20.49	-63.98	14.40	-43.63	-658.99	-44.03	-658.59	15.67
		93	5.80	20.08	-86.04	18.08	-84.05	14.40	-43.16	-651.80	-43.21	-651.75	5.33
		94	5.67	15.76	-86.65	13.70	-84.58	14.40	-91.42	-657.80	-91.65	-657.56	11.52
		84	5.18	18.60	-67.00	16.10	-64.51	14.40	-91.64	-665.23	-92.47	-664.40	21.87
18	16	83	4.97	19.33	-67.35	16.76	-64.78	14.72	-10.38	-588.11	-12.00	-586.50	-30.49
		93	5.42	16.59	-86.26	14.44	-84.11	14.72	-8.12	-576.10	-10.47	-573.75	-36.43
		94	5.31	10.92	-87.07	8.66	-84.81	14.72	-37.15	-578.23	-38.29	-577.09	-24.88
		84	4.85	13.71	-68.20	10.98	-65.47	14.72	-39.17	-590.49	-39.82	-589.84	-18.93
19	1	84	5.84	-33.44	-93.19	-38.23	-88.40	16.22	871.82	164.27	552.73	483.36	-352.07
		94	6.27	-34.24	-97.17	-38.74	-92.68	16.22	940.87	256.84	570.04	627.67	-340.80
		95	6.00	-56.23	-102.26	-62.92	-95.58	16.22	838.48	418.33	622.81	634.00	-210.00
		85	5.57	-55.14	-98.57	-62.41	-91.30	16.22	776.31	318.87	605.50	489.69	-221.27
19	5	84	21.31	93.25	-313.55	79.56	-299.86	73.36	231.83	-2109.39	222.67	-2100.22	146.19
		94	21.38	85.53	-364.77	73.25	-352.48	73.36	261.92	-1830.07	255.82	-1823.97	112.80
		95	21.28	62.48	-368.20	49.59	-355.32	73.36	165.20	-1908.42	99.50	-1842.73	363.19
		85	21.24	70.34	-317.13	55.91	-302.70	73.36	136.09	-2188.73	66.35	-2118.98	396.58
19	13	84	4.50	-25.73	-71.68	-29.41	-68.00	12.47	670.63	126.36	425.17	371.82	-270.82
		94	4.82	-26.34	-74.75	-29.80	-71.29	12.47	723.75	197.57	438.50	482.82	-262.15
		95	4.61	-43.26	-78.66	-48.40	-73.52	12.47	644.98	321.79	479.09	487.69	-161.54
		85	4.28	-42.41	-75.83	-48.00	-70.23	12.47	597.17	245.29	465.77	376.69	-170.21
19	15	84	4.50	-25.73	-71.68	-29.41	-68.00	12.47	670.63	126.36	425.17	371.82	-270.82
		94	4.82	-26.34	-74.75	-29.80	-71.29	12.47	723.75	197.57	438.50	482.82	-262.15
		95	4.61	-43.26	-78.66	-48.40	-73.52	12.47	644.98	321.79	479.09	487.69	-161.54
		85	4.28	-42.41	-75.83	-48.00	-70.23	12.47	597.17	245.29	465.77	376.69	-170.21
20	1	85	4.79	-59.03	-86.07	-61.48	-83.61	7.77	646.69	397.20	600.00	443.89	-97.31
		95	5.04	-58.44	-83.49	-61.14	-80.79	7.77	690.43	473.24	612.83	550.83	-104.08
		96	4.93	-64.73	-85.22	-68.29	-81.65	7.77	582.57	545.59	581.13	547.03	-7.15

		86	4.68	-65.46	-87.65	-68.63	-84.47	7.77	568.30	440.09	568.30	440.09	-0.37
20	5	85	15.66	66.34	-263.57	61.22	-258.44	40.80	377.15	-1279.35	189.61	-1091.82	524.86
		95	16.00	63.73	-282.96	58.86	-278.09	40.80	333.67	-1259.68	187.06	-1113.07	460.55
		96	14.88	25.99	-288.07	20.60	-282.68	40.80	48.51	-1311.79	-114.07	-1149.21	441.28
		86	14.54	28.66	-268.74	22.96	-263.03	40.80	97.14	-1336.61	-111.52	-1127.95	505.60
20	13	85	3.68	-45.41	-66.21	-47.29	-64.32	5.98	497.45	305.54	461.54	341.45	-74.85
		95	3.88	-44.96	-64.22	-47.03	-62.15	5.98	531.10	364.03	471.41	423.72	-80.06
		96	3.79	-49.79	-65.55	-52.53	-62.81	5.98	448.13	419.69	447.02	420.79	-5.50
		86	3.60	-50.35	-67.42	-52.79	-64.98	5.98	437.15	338.53	437.15	338.53	-0.29
20	15	85	3.68	-45.41	-66.21	-47.29	-64.32	5.98	497.45	305.54	461.54	341.45	-74.85
		95	3.88	-44.96	-64.22	-47.03	-62.15	5.98	531.10	364.03	471.41	423.72	-80.06
		96	3.79	-49.79	-65.55	-52.53	-62.81	5.98	448.13	419.69	447.02	420.79	-5.50
		86	3.60	-50.35	-67.42	-52.79	-64.98	5.98	437.15	338.53	437.15	338.53	-0.29
21	4	86	4.67	23.91	-72.58	23.90	-72.57	-1.03	141.78	-402.27	-396.81	136.32	-54.24
		96	4.39	24.61	-66.71	24.60	-66.70	-1.03	102.23	-403.83	-401.21	99.61	-36.28
		97	4.18	28.11	-66.29	28.10	-66.28	-1.03	120.75	-328.21	-317.16	109.70	-69.56
		87	4.47	27.41	-72.16	27.40	-72.15	-1.03	162.52	-328.87	-312.76	146.41	-87.51
21	9	86	12.71	11.03	-310.58	-24.17	-275.39	-100.40	554.56	-371.55	-186.53	369.54	370.29
		96	11.11	26.19	-253.13	-16.39	-210.55	-100.40	446.04	-458.69	-207.49	194.84	405.18
		97	9.94	30.03	-252.01	-11.96	-210.02	-100.40	363.79	-193.50	-44.16	214.44	246.83
		87	11.70	15.03	-309.63	-19.74	-274.85	-100.40	478.65	-112.70	-23.19	389.14	211.94
21	13	86	3.21	-51.00	-58.82	-51.94	-57.88	2.54	437.32	175.91	419.75	193.49	65.47
		96	3.26	-50.31	-56.55	-51.63	-55.24	2.54	440.30	232.88	426.17	247.01	52.27
		97	3.05	-46.67	-55.54	-47.47	-54.74	2.54	420.50	183.45	364.36	239.59	100.78
		87	3.00	-47.15	-58.02	-47.78	-57.38	2.54	414.75	129.26	357.94	186.08	113.98
21	15	86	3.21	-51.00	-58.82	-51.94	-57.88	2.54	437.32	175.91	419.75	193.49	65.47
		96	3.26	-50.31	-56.55	-51.63	-55.24	2.54	440.30	232.88	426.17	247.01	52.27
		97	3.05	-46.67	-55.54	-47.47	-54.74	2.54	420.50	183.45	364.36	239.59	100.78
		87	3.00	-47.15	-58.02	-47.78	-57.38	2.54	414.75	129.26	357.94	186.08	113.98
22	4	87	4.20	28.21	-65.54	28.19	-65.53	1.17	125.88	-339.08	-317.78	104.58	-97.22
		97	4.14	28.64	-61.96	28.62	-61.95	1.17	128.92	-331.87	-316.68	113.73	-82.26
		98	3.97	33.43	-61.39	33.42	-61.37	1.17	136.42	-260.91	-246.63	122.14	-73.96
		88	4.04	33.00	-64.97	32.99	-64.95	1.17	133.71	-268.46	-247.73	112.98	-88.93
22	9	87	9.45	20.87	-265.42	-14.38	-230.17	-94.06	268.00	-85.95	-42.90	224.95	115.70
		97	8.28	33.26	-221.15	-8.30	-179.58	-94.06	225.98	-115.16	-50.53	161.35	133.68
		98	7.90	39.95	-219.12	-0.52	-178.65	-94.06	205.17	-0.04	33.67	171.46	76.04
		88	9.11	27.82	-263.66	-6.59	-229.24	-94.06	251.12	25.24	41.31	235.06	58.05
22	13	87	2.91	-46.30	-50.66	-46.90	-50.05	1.51	413.88	13.86	345.48	82.26	150.61
		97	2.87	-45.99	-49.71	-46.77	-48.93	1.51	407.75	46.59	348.33	106.01	133.90
		98	2.52	-38.29	-48.18	-38.53	-47.94	1.51	361.37	5.37	270.11	96.62	155.43
		88	2.57	-38.45	-49.28	-38.66	-49.06	1.51	367.75	-27.62	267.26	72.87	172.14
22	15	87	2.91	-46.30	-50.66	-46.90	-50.05	1.51	413.88	13.86	345.48	82.26	150.61
		97	2.87	-45.99	-49.71	-46.77	-48.93	1.51	407.75	46.59	348.33	106.01	133.90
		98	2.52	-38.29	-48.18	-38.53	-47.94	1.51	361.37	5.37	270.11	96.62	155.43
		88	2.57	-38.45	-49.28	-38.66	-49.06	1.51	367.75	-27.62	267.26	72.87	172.14
23	4	88	3.56	34.37	-54.64	34.24	-54.51	3.43	58.94	-273.56	-256.28	41.67	-73.80
		98	3.60	34.39	-54.52	34.26	-54.39	3.43	71.53	-267.40	-254.28	58.40	-65.40
		99	3.49	37.28	-54.17	37.15	-54.04	3.43	71.91	-223.74	-214.95	63.12	-50.23
		89	3.45	37.26	-54.29	37.13	-54.16	3.43	58.85	-229.42	-216.96	46.38	-58.63
23	9	88	6.84	31.28	-208.33	-0.30	-176.75	-81.05	84.84	5.02	21.32	68.54	32.18
		98	6.13	39.49	-179.67	3.65	-143.84	-81.05	74.92	6.64e-03	19.72	55.20	32.99
		99	6.09	43.26	-178.52	8.05	-143.31	-81.05	65.95	13.22	23.51	55.65	20.90
		89	6.81	35.18	-207.30	4.10	-176.22	-81.05	76.80	17.30	25.11	68.99	20.09
23	13	88	2.55	-37.67	-42.98	-37.90	-42.75	1.09	361.56	-75.63	261.46	24.48	183.70
		98	2.47	-37.70	-43.16	-37.93	-42.93	1.09	348.96	-59.93	261.79	27.24	167.46
		99	2.08	-28.27	-41.87	-28.36	-41.79	1.09	291.48	-87.56	185.80	18.12	169.97
		89	2.17	-28.25	-41.69	-28.34	-41.60	1.09	305.12	-104.30	185.46	15.36	186.20
23	15	88	2.55	-37.67	-42.98	-37.90	-42.75	1.09	361.56	-75.63	261.46	24.48	183.70
		98	2.47	-37.70	-43.16	-37.93	-42.93	1.09	348.96	-59.93	261.79	27.24	167.46
		99	2.08	-28.27	-41.87	-28.36	-41.79	1.09	291.48	-87.56	185.80	18.12	169.97
		89	2.17	-28.25	-41.69	-28.34	-41.60	1.09	305.12	-104.30	185.46	15.36	186.20
24	4	89	3.05	38.55	-44.20	38.35	-44.01	4.01	2.55	-232.79	-223.35	-6.89	-46.18
		99	3.10	38.31	-46.12	38.12	-45.93	4.01	7.16	-230.18	-222.58	-0.45	-41.80
		100	3.03	38.98	-46.04	38.79	-45.85	4.01	8.16	-208.26	-202.11	2.01	-35.96
		90	2.98	39.22	-44.12	39.02	-43.93	4.01	3.45	-210.77	-202.88	-4.44	-40.34
24	10	89	5.93	73.32	-96.74	-26.15	2.73	83.80	-97.55	-683.47	-680.82	-100.20	39.29
		99	5.90	60.45	-107.47	-28.68	-18.34	83.80	-104.54	-685.95	-681.84	-108.66	48.74
		100	5.56	65.96	-101.64	-18.55	-17.13	83.80	-100.21	-640.75	-637.62	-103.35	41.07
		90	5.58	78.35	-90.43	-16.02	3.95	83.80	-93.05	-638.44	-636.60	-94.89	31.62
24	13	89	2.11	-27.67	-36.46	-27.72	-36.41	0.65	293.56	-117.43	182.82	-6.69	182.35
		99	2.02	-27.79	-37.42	-27.83	-37.37	0.65	277.75	-111.94	181.71	-15.90	167.93
		100	1.81	-18.27	-36.25	-18.29	-36.23	0.65	219.04	-128.79	114.25	-24.00	159.59
		90	1.87	-18.15	-35.29	-18.18	-35.26	0.65	236.05	-135.48	115.35	-14.79	174.00
24	15	89	2.11	-27.67	-36.46	-27.72	-36.41	0.65	293.56	-117.43	182.82	-6.69	182.35
		99	2.02	-27.79	-37.42	-27.83	-37.37	0.65	277.75	-111.94	181.71	-15.90	167.93
		100	1.81	-18.27	-36.25	-18.29	-36.23	0.65	219.04	-128.79	114.25	-24.00	159.59
		90	1.87	-18.15	-35.29	-18.18	-35.26	0.65	236.05	-135.48	115.35	-14.79	174.00

25	4	90	2.69	40.22	-35.47	40.06	-35.31	3.49	-35.91	-217.11	-207.78	-45.24	-40.05
		100	2.71	39.90	-38.06	39.75	-37.90	3.49	-44.24	-216.97	-208.65	-52.56	-36.98
		101	2.62	38.30	-38.25	38.14	-38.09	3.49	-38.62	-206.50	-194.29	-50.83	-43.61
		91	2.61	38.62	-35.67	38.45	-35.50	3.49	-30.17	-206.75	-193.41	-43.52	-46.68
25	10	90	4.86	55.99	-81.87	-17.50	-8.37	68.78	-110.89	-639.20	-638.59	-111.50	17.95
		100	4.90	47.45	-90.17	-19.31	-23.41	68.78	-126.40	-642.62	-640.62	-128.40	32.04
		101	4.41	54.67	-83.69	-7.07	-21.95	68.78	-119.87	-575.25	-574.64	-120.48	16.72
		91	4.35	62.70	-74.87	-5.27	-6.91	68.78	-103.57	-572.62	-572.61	-103.58	2.63
25	13	90	1.74	-17.64	-30.87	-17.65	-30.87	0.29	216.31	-136.42	113.14	-33.24	160.46
		100	1.74	-17.81	-32.25	-17.82	-32.24	0.29	198.97	-139.42	110.96	-51.41	148.45
		101	1.63	-9.38	-31.23	-9.39	-31.23	0.29	141.81	-145.27	54.71	-58.16	131.98
		91	1.63	-9.22	-29.86	-9.22	-29.86	0.29	160.37	-143.48	56.89	-39.99	144.00
25	15	90	1.74	-17.64	-30.87	-17.65	-30.87	0.29	216.31	-136.42	113.14	-33.24	160.46
		100	1.74	-17.81	-32.25	-17.82	-32.24	0.29	198.97	-139.42	110.96	-51.41	148.45
		101	1.63	-9.38	-31.23	-9.39	-31.23	0.29	141.81	-145.27	54.71	-58.16	131.98
		91	1.63	-9.22	-29.86	-9.22	-29.86	0.29	160.37	-143.48	56.89	-39.99	144.00
26	4	91	2.42	39.46	-28.31	39.33	-28.18	2.93	-53.24	-221.30	-197.44	-77.11	-58.66
		101	2.40	39.16	-30.72	39.04	-30.60	2.93	-71.62	-222.46	-199.53	-94.55	-54.15
		102	2.24	34.59	-31.28	34.46	-31.15	2.93	-53.00	-217.45	-178.44	-92.01	-69.96
		92	2.26	34.88	-28.87	34.75	-28.73	2.93	-35.27	-215.65	-176.34	-74.57	-74.46
26	7	91	4.46	39.86	-23.05	7.12	9.69	-31.43	626.67	-100.07	526.88	-0.27	250.13
		101	4.30	41.71	-21.37	7.50	12.84	-31.43	598.61	-101.84	523.68	-26.91	216.49
		102	3.69	43.44	-19.47	10.74	13.23	-31.43	442.02	-121.65	366.18	-45.81	192.35
		92	3.88	41.65	-21.21	10.36	10.08	-31.43	473.11	-122.92	369.37	-19.18	225.99
26	13	91	1.49	-8.73	-25.81	-8.73	-25.80	0.36	132.15	-139.47	54.29	-61.62	122.82
		101	1.55	-8.90	-27.27	-8.91	-27.27	0.36	116.06	-150.88	51.35	-86.16	114.40
		102	1.43	-3.01	-26.56	-3.01	-26.56	0.36	66.03	-145.01	11.92	-90.90	92.15
		92	1.35	-2.83	-25.10	-2.84	-25.09	0.36	82.72	-134.20	14.87	-66.35	100.57
26	15	91	1.49	-8.73	-25.81	-8.73	-25.80	0.36	132.15	-139.47	54.29	-61.62	122.82
		101	1.55	-8.90	-27.27	-8.91	-27.27	0.36	116.06	-150.88	51.35	-86.16	114.40
		102	1.43	-3.01	-26.56	-3.01	-26.56	0.36	66.03	-145.01	11.92	-90.90	92.15
		92	1.35	-2.83	-25.10	-2.84	-25.09	0.36	82.72	-134.20	14.87	-66.35	100.57
27	1	200	13.50	-55.09	-133.32	-56.58	-131.83	10.67	-118.77	-2183.71	-119.45	-2183.03	-37.33
		202	15.29	-57.19	-148.72	-58.46	-147.46	10.67	-154.41	-2476.04	-154.59	-2475.87	20.34
		103	16.09	-22.23	-144.17	-23.18	-143.23	10.67	138.67	-2466.73	115.41	-2443.47	-245.09
		93	14.39	-20.24	-128.66	-21.30	-127.60	10.67	189.71	-2189.80	150.55	-2150.63	-302.76
27	9	200	40.75	-120.91	-572.06	-206.10	-486.86	-176.57	46.32	-5320.01	-571.67	-4702.02	-1713.02
		202	34.95	-91.89	-497.40	-194.99	-394.29	-176.57	333.30	-4362.96	-438.38	-3591.28	-1740.27
		103	31.21	110.44	-431.01	44.93	-365.50	-176.57	-398.29	-3774.28	-565.98	-3606.59	-733.50
		93	38.00	90.64	-514.89	33.82	-458.07	-176.57	-578.75	-4837.85	-699.27	-4717.33	-706.24
27	13	200	10.38	-42.38	-102.55	-43.52	-101.41	8.21	-91.36	-1679.78	-91.88	-1679.26	-28.72
		202	11.76	-43.99	-114.40	-44.97	-113.43	8.21	-118.78	-1904.65	-118.91	-1904.51	15.64
		103	12.37	-17.10	-110.90	-17.83	-110.17	8.21	106.67	-1897.48	88.77	-1879.59	-188.53
		93	11.07	-15.57	-98.97	-16.38	-98.15	8.21	145.93	-1684.46	115.81	-1654.33	-232.89
27	15	200	10.38	-42.38	-102.55	-43.52	-101.41	8.21	-91.36	-1679.78	-91.88	-1679.26	-28.72
		202	11.76	-43.99	-114.40	-44.97	-113.43	8.21	-118.78	-1904.65	-118.91	-1904.51	15.64
		103	12.37	-17.10	-110.90	-17.83	-110.17	8.21	106.67	-1897.48	88.77	-1879.59	-188.53
		93	11.07	-15.57	-98.97	-16.38	-98.15	8.21	145.93	-1684.46	115.81	-1654.33	-232.89
28	2	93	8.45	35.22	-110.29	34.15	-109.22	12.43	-345.92	-1151.07	-367.87	-1129.12	131.09
		103	8.92	33.30	-125.48	32.32	-124.50	12.43	-359.62	-1168.16	-371.17	-1156.61	95.93
		104	8.71	38.05	-124.88	37.10	-123.93	12.43	-528.01	-1184.14	-535.79	-1176.36	71.02
		94	8.23	39.97	-109.69	38.93	-108.65	12.43	-514.71	-1166.66	-532.49	-1148.88	106.18
28	5	93	24.33	-15.99	-467.68	-17.39	-466.27	25.14	91.13	-2283.19	68.72	-2260.77	-229.59
		103	24.06	-18.61	-489.05	-19.96	-487.70	25.14	109.06	-2097.43	90.54	-2078.91	-201.28
		104	25.41	69.25	-478.30	68.09	-477.14	25.14	223.65	-2063.59	223.07	-2063.01	-36.44
		94	25.66	71.86	-456.90	70.67	-455.71	25.14	202.96	-2246.58	201.25	-2244.87	-64.75
28	14	93	5.58	18.25	-85.15	17.25	-84.15	10.13	-149.69	-664.90	-150.02	-664.57	13.07
		103	5.92	16.84	-96.07	15.92	-95.15	10.13	-151.25	-675.80	-151.36	-675.70	7.31
		104	5.86	16.72	-96.09	15.81	-95.17	10.13	-178.31	-678.95	-178.32	-678.94	-2.78
		94	5.52	18.13	-85.17	17.13	-84.17	10.13	-176.97	-667.82	-176.99	-667.81	2.98
28	16	93	5.23	14.77	-85.29	13.69	-84.20	10.35	-96.70	-585.16	-97.64	-584.21	-21.50
		103	5.56	13.39	-95.90	12.40	-94.91	10.35	-97.79	-592.12	-98.51	-591.40	-18.88
		104	5.56	11.80	-96.11	10.79	-95.10	10.35	-84.94	-591.20	-86.21	-589.92	-25.39
		94	5.24	13.18	-85.50	12.08	-84.40	10.35	-83.78	-584.31	-85.35	-582.74	-28.02
29	1	94	6.44	-32.14	-94.45	-34.43	-92.16	11.73	1100.04	475.05	907.00	668.10	-288.77
		104	6.59	-32.78	-98.58	-34.94	-96.42	11.73	1088.83	600.83	919.27	770.39	-232.37
		105	7.37	-56.16	-102.53	-59.34	-99.34	11.73	1228.99	756.39	1183.30	802.07	-139.65
		95	7.23	-55.37	-98.55	-58.83	-95.09	11.73	1241.92	628.89	1171.03	699.78	-196.05
29	5	94	21.19	85.57	-353.66	83.20	-351.29	32.18	261.04	-1833.82	251.70	-1824.47	139.63
		104	20.99	82.89	-375.03	80.62	-372.75	32.18	279.49	-1664.91	271.77	-1657.19	122.29
		105	20.77	66.29	-377.10	63.94	-374.75	32.18	230.13	-1706.48	190.58	-1666.93	273.91
		95	20.98	68.97	-355.74	66.52	-353.29	32.18	211.96	-1875.67	170.50	-1834.21	291.25
29	13	94	4.95	-24.72	-72.65	-26.48	-70.89	9.02	846.19	365.43	697.69	513.92	-222.13
		104	5.07	-25.21	-75.83	-26.88	-74.17	9.02	837.56	462.18	707.13	592.61	-178.75
		105	5.67	-43.20	-78.87	-45.65	-76.42	9.02	945.37	581.84	910.23	616.98	-107.43
		95	5.56	-42.59	-75.81	-45.25	-73.14	9.02	955.32	483.76	900.79	538.30	-150.81
29	15	94	4.95	-24.72	-72.65	-26.48	-70.89	9.02	846.19	365.43	697.69	513.92	-222.13

		104	5.07	-25.21	-75.83	-26.88	-74.17	9.02	837.56	462.18	707.13	592.61	-178.75
		105	5.67	-43.20	-78.87	-45.65	-76.42	9.02	945.37	581.84	910.23	616.98	-107.43
		95	5.56	-42.59	-75.81	-45.25	-73.14	9.02	955.32	483.76	900.79	538.30	-150.81
30	1	95	6.63	-55.81	-81.54	-57.06	-80.30	5.52	1175.58	602.09	1161.05	616.62	-90.13
		105	6.75	-55.77	-81.28	-57.02	-80.02	5.52	1183.79	683.05	1170.60	696.24	-80.19
		106	7.06	-64.86	-83.05	-66.73	-81.19	5.52	1217.25	701.69	1217.12	701.82	-8.03
		96	6.94	-64.92	-83.31	-66.76	-81.46	5.52	1208.12	621.65	1207.57	622.20	-17.96
30	5	95	15.83	76.43	-276.70	75.79	-276.06	15.08	361.10	-1207.59	258.06	-1104.55	388.61
		105	15.88	75.55	-283.94	74.92	-283.31	15.08	330.50	-1178.45	257.91	-1105.86	322.90
		106	14.62	33.61	-289.06	32.91	-288.35	15.08	37.95	-1230.44	-49.71	-1142.78	321.72
		96	14.57	34.50	-281.82	33.78	-281.10	15.08	73.94	-1264.96	-49.56	-1141.47	387.42
30	13	95	5.10	-42.93	-62.73	-43.89	-61.77	4.25	904.29	463.14	893.11	474.32	-69.33
		105	5.20	-42.90	-62.52	-43.86	-61.56	4.25	910.61	525.42	900.46	535.57	-61.69
		106	5.43	-49.89	-63.89	-51.33	-62.45	4.25	936.34	539.76	936.25	539.86	-6.18
		96	5.34	-49.94	-64.08	-51.36	-62.66	4.25	929.32	478.19	928.90	478.62	-13.82
30	15	95	5.10	-42.93	-62.73	-43.89	-61.77	4.25	904.29	463.14	893.11	474.32	-69.33
		105	5.20	-42.90	-62.52	-43.86	-61.56	4.25	910.61	525.42	900.46	535.57	-61.69
		106	5.43	-49.89	-63.89	-51.33	-62.45	4.25	936.34	539.76	936.25	539.86	-6.18
		96	5.34	-49.94	-64.08	-51.36	-62.66	4.25	929.32	478.19	928.90	478.62	-13.82
31	1	96	6.64	-65.04	-72.17	-65.58	-71.63	1.90	1184.60	392.15	1180.46	396.29	57.13
		106	6.66	-64.70	-70.67	-65.38	-69.99	1.90	1188.21	445.51	1186.56	447.16	34.98
		107	6.17	-60.93	-69.92	-61.35	-69.50	1.90	1092.88	424.73	1082.88	434.72	81.10
		97	6.15	-61.19	-71.51	-61.55	-71.14	1.90	1091.83	368.79	1076.78	383.85	103.24
31	9	96	11.61	33.04	-261.43	-17.69	-210.70	-111.19	465.27	-468.18	-198.79	195.88	422.96
		106	10.42	49.41	-215.60	-11.02	-155.17	-111.19	350.80	-544.24	-219.20	25.77	430.43
		107	9.23	47.08	-216.55	-13.94	-155.52	-111.19	219.15	-373.39	-184.21	29.97	276.24
		97	10.55	30.56	-262.23	-20.61	-211.05	-111.19	342.70	-306.41	-163.80	200.08	268.76
31	13	96	5.11	-50.03	-55.52	-50.45	-55.10	1.46	911.23	301.65	908.04	304.84	43.95
		106	5.13	-49.77	-54.36	-50.30	-53.84	1.46	914.01	342.70	912.74	343.97	26.91
		107	4.74	-46.87	-53.79	-47.19	-53.46	1.46	840.67	326.71	832.99	334.40	62.38
		97	4.73	-47.07	-55.00	-47.35	-54.73	1.46	839.87	283.68	828.29	295.27	79.42
31	15	96	5.11	-50.03	-55.52	-50.45	-55.10	1.46	911.23	301.65	908.04	304.84	43.95
		106	5.13	-49.77	-54.36	-50.30	-53.84	1.46	914.01	342.70	912.74	343.97	26.91
		107	4.74	-46.87	-53.79	-47.19	-53.46	1.46	840.67	326.71	832.99	334.40	62.38
		97	4.73	-47.07	-55.00	-47.35	-54.73	1.46	839.87	283.68	828.29	295.27	79.42
32	1	97	6.13	-60.43	-63.80	-60.64	-63.59	0.81	1080.53	185.59	1055.94	210.19	146.31
		107	6.07	-60.24	-62.87	-60.52	-62.59	0.81	1072.26	220.89	1058.83	234.32	106.08
		108	5.04	-49.83	-61.37	-49.89	-61.31	0.81	894.47	187.74	870.49	211.72	127.95
		98	5.11	-49.96	-62.37	-50.01	-62.32	0.81	906.91	148.26	867.59	187.58	168.18
32	9	97	9.04	37.47	-235.05	-16.96	-180.62	-108.95	210.60	-233.76	-170.17	147.00	155.61
		107	8.06	52.83	-196.59	-11.19	-132.57	-108.95	141.48	-260.31	-180.41	61.59	160.37
		108	7.53	57.23	-194.65	-5.53	-131.89	-108.95	91.79	-185.69	-158.16	64.26	82.95
		98	8.58	42.15	-233.39	-11.29	-179.94	-108.95	168.97	-167.20	-147.91	149.67	78.20
32	13	97	4.71	-46.49	-49.08	-46.65	-48.92	0.63	831.18	142.76	812.26	161.68	112.54
		107	4.67	-46.34	-48.36	-46.56	-48.14	0.63	824.82	169.92	814.49	180.25	81.60
		108	3.87	-38.33	-47.21	-38.38	-47.16	0.63	688.05	144.42	669.61	162.86	98.42
		98	3.93	-38.43	-47.98	-38.47	-47.94	0.63	697.63	114.05	667.38	144.30	129.37
32	15	97	4.71	-46.49	-49.08	-46.65	-48.92	0.63	831.18	142.76	812.26	161.68	112.54
		107	4.67	-46.34	-48.36	-46.56	-48.14	0.63	824.82	169.92	814.49	180.25	81.60
		108	3.87	-38.33	-47.21	-38.38	-47.16	0.63	688.05	144.42	669.61	162.86	98.42
		98	3.93	-38.43	-47.98	-38.47	-47.94	0.63	697.63	114.05	667.38	144.30	129.37
33	4	98	5.16	33.11	-54.56	33.08	-54.53	1.53	14.78	-655.70	-651.63	10.72	-52.03
		108	5.18	33.15	-54.20	33.12	-54.17	1.53	23.30	-652.74	-650.40	20.97	-39.69
		109	5.02	37.07	-53.72	37.04	-53.70	1.53	29.38	-594.13	-592.64	27.90	-30.40
		99	5.00	37.02	-54.09	37.00	-54.06	1.53	20.62	-596.84	-593.87	17.65	-42.74
33	9	98	6.86	42.37	-194.62	-7.11	-145.13	-96.33	39.54	-167.99	-161.86	33.41	35.15
		108	6.18	53.85	-166.47	-2.87	-109.76	-96.33	15.27	-169.49	-164.62	10.40	29.59
		109	6.13	58.25	-164.53	2.79	-109.08	-96.33	7.67	-191.00	-190.62	7.28	8.74
		99	6.83	47.01	-192.91	-1.45	-144.45	-96.33	31.22	-188.79	-187.86	30.29	14.29
33	13	98	3.95	-37.83	-42.96	-37.87	-42.93	0.44	691.48	42.48	659.05	74.91	141.40
		108	3.87	-37.83	-42.96	-37.87	-42.92	0.44	678.10	59.41	659.43	78.07	105.83
		109	2.93	-28.13	-41.77	-28.14	-41.75	0.44	518.56	32.43	492.90	58.09	108.70
		99	3.04	-28.13	-41.77	-28.14	-41.76	0.44	535.80	11.64	492.52	54.93	144.27
33	15	98	3.95	-37.83	-42.96	-37.87	-42.93	0.44	691.48	42.48	659.05	74.91	141.40
		108	3.87	-37.83	-42.96	-37.87	-42.92	0.44	678.10	59.41	659.43	78.07	105.83
		109	2.93	-28.13	-41.77	-28.14	-41.75	0.44	518.56	32.43	492.90	58.09	108.70
		99	3.04	-28.13	-41.77	-28.14	-41.76	0.44	535.80	11.64	492.52	54.93	144.27
34	4	99	4.69	38.03	-46.00	37.97	-45.94	2.15	-43.81	-603.61	-601.50	-45.92	-34.32
		109	4.71	37.91	-46.93	37.86	-46.88	2.15	-40.98	-602.29	-601.05	-42.21	-26.26
		110	4.57	39.18	-46.78	39.13	-46.73	2.15	-36.69	-564.32	-563.33	-37.69	-22.90
		100	4.55	39.29	-45.85	39.24	-45.79	2.15	-39.57	-565.60	-563.77	-41.39	-30.96
34	7	99	6.20	48.69	-28.38	-3.87	24.18	-35.89	1142.38	194.47	1119.65	217.20	145.01
		109	6.06	53.43	-25.88	-3.09	30.64	-35.89	1133.75	224.54	1121.95	236.34	102.91
		110	5.19	55.76	-21.44	2.94	31.37	-35.89	944.61	192.93	924.85	212.69	120.27
		100	5.37	51.19	-24.11	2.17	24.91	-35.89	957.08	159.02	922.56	193.55	162.36
34	13	99	3.03	-27.61	-37.35	-27.61	-37.35	0.27	528.31	-18.96	488.44	20.91	142.24
		109	2.93	-27.67	-37.87	-27.68	-37.87	0.27	511.14	-8.79	487.69	14.67	107.91

		110	2.06	-18.09	-36.72	-18.09	-36.72	0.27	355.96	-33.62	326.96	-4.62	102.25
		100	2.18	-18.03	-36.20	-18.03	-36.20	0.27	377.36	-48.03	327.71	1.62	136.58
34	15	99	3.03	-27.61	-37.35	-27.61	-37.35	0.27	528.31	-18.96	488.44	20.91	142.24
		109	2.93	-27.67	-37.87	-27.68	-37.87	0.27	511.14	-8.79	487.69	14.67	107.91
		110	2.06	-18.09	-36.72	-18.09	-36.72	0.27	355.96	-33.62	326.96	-4.62	102.25
		100	2.18	-18.03	-36.20	-18.03	-36.20	0.27	377.36	-48.03	327.71	1.62	136.58
35	4	100	4.30	40.25	-37.90	40.19	-37.85	2.05	-93.81	-572.46	-570.32	-95.96	-31.97
		110	4.30	40.07	-39.33	40.02	-39.27	2.05	-100.53	-572.21	-571.01	-101.73	-23.76
		111	4.09	38.48	-39.52	38.43	-39.46	2.05	-95.19	-534.47	-532.54	-97.12	-28.99
		101	4.09	38.65	-38.09	38.60	-38.04	2.05	-88.22	-534.97	-531.85	-91.34	-37.21
35	7	100	5.27	42.24	-21.98	1.44	18.82	-30.91	961.06	139.92	920.94	180.04	177.02
		110	5.07	45.38	-20.04	1.98	23.36	-30.91	942.85	162.95	921.45	184.34	127.39
		111	4.11	47.34	-16.87	6.57	23.91	-30.91	719.69	125.86	689.09	156.46	131.28
		101	4.37	44.32	-18.93	6.03	19.37	-30.91	743.89	96.85	688.57	152.16	180.92
35	14	100	1.97	17.12	-35.62	17.09	-35.59	1.28	-61.53	-218.79	-212.42	-67.89	30.99
		110	1.96	16.98	-36.79	16.95	-36.76	1.28	-72.39	-217.60	-213.46	-76.53	24.18
		111	2.15	19.33	-36.50	19.30	-36.47	1.28	-78.76	-246.98	-245.37	-80.36	16.35
		101	2.16	19.47	-35.34	19.44	-35.31	1.28	-68.67	-247.39	-244.34	-71.72	23.16
35	15	100	2.14	-17.55	-32.21	-17.55	-32.21	0.13	364.72	-66.09	324.42	-25.80	125.44
		110	2.08	-17.64	-32.98	-17.65	-32.98	0.13	346.81	-62.68	322.87	-38.73	96.08
		111	1.76	-9.38	-31.99	-9.38	-31.99	0.13	212.00	-81.86	185.38	-55.23	84.35
		101	1.81	-9.29	-31.22	-9.29	-31.22	0.13	233.77	-89.13	186.93	-42.29	113.72
36	4	101	3.90	39.55	-30.59	39.50	-30.54	1.83	-129.46	-542.69	-537.10	-135.05	-47.75
		111	3.88	39.38	-31.95	39.34	-31.91	1.83	-144.27	-541.67	-538.57	-147.36	-34.94
		112	3.49	34.60	-32.53	34.55	-32.48	1.83	-134.00	-484.76	-478.59	-140.17	-46.10
		102	3.52	34.77	-31.17	34.72	-31.12	1.83	-118.19	-486.78	-477.11	-127.86	-58.91
36	7	101	4.34	35.27	-17.50	5.21	12.57	-26.13	710.82	-51.09	669.18	-9.45	173.19
		111	4.18	37.37	-15.88	5.61	15.89	-26.13	689.40	-50.01	667.00	-27.61	126.72
		112	3.28	38.89	-13.91	8.72	16.26	-26.13	472.57	-76.82	449.46	-53.72	110.26
		102	3.49	36.86	-15.60	8.33	12.94	-26.13	497.71	-81.62	451.64	-35.56	156.73
36	14	101	1.96	20.20	-29.26	20.17	-29.23	1.19	-108.47	-249.51	-248.83	-109.15	9.80
		111	1.94	20.06	-30.40	20.04	-30.37	1.19	-122.78	-251.16	-250.54	-123.40	8.87
		112	1.95	19.48	-30.47	19.46	-30.44	1.19	-123.80	-255.02	-254.90	-123.92	-4.04
		102	1.97	19.62	-29.33	19.59	-29.30	1.19	-109.61	-253.26	-253.19	-109.67	-3.11
36	15	101	1.76	-8.81	-27.26	-8.82	-27.25	0.22	215.87	-102.59	183.57	-70.30	96.13
		111	1.76	-8.91	-28.07	-8.91	-28.07	0.22	200.81	-106.75	181.51	-87.45	74.59
		112	1.53	-3.19	-27.38	-3.19	-27.38	0.22	98.26	-117.18	80.64	-99.56	59.04
		102	1.52	-3.09	-26.57	-3.09	-26.57	0.22	115.51	-115.21	82.70	-82.40	80.58
37	1	202	15.26	-62.52	-148.12	-62.68	-147.97	3.65	-139.85	-2474.72	-140.41	-2474.16	-36.12
		204	15.85	-63.10	-152.84	-63.25	-152.69	3.65	-152.01	-2573.65	-152.31	-2573.36	26.78
		113	16.66	-24.19	-148.12	-24.30	-148.01	3.65	143.69	-2539.50	142.20	-2538.02	-63.13
		103	16.10	-23.62	-143.41	-23.73	-143.29	3.65	160.22	-2444.93	154.11	-2438.82	-126.03
37	10	202	30.35	121.48	-323.68	-105.31	-96.89	222.54	2143.63	-2378.84	94.17	-329.38	2251.29
		204	33.71	45.52	-416.57	-123.40	-247.64	222.54	1376.26	-3494.99	-107.63	-2011.09	2241.98
		113	23.29	105.47	-381.90	-38.92	-237.51	222.54	92.97	-2260.51	-151.22	-2016.32	717.68
		103	17.63	171.17	-278.76	-20.83	-86.75	222.54	610.06	-894.08	50.58	-334.61	726.99
37	13	202	11.74	-48.10	-113.94	-48.22	-113.82	2.81	-107.57	-1903.63	-108.00	-1903.20	-27.79
		204	12.19	-48.54	-117.57	-48.65	-117.45	2.81	-116.93	-1979.73	-117.16	-1979.51	20.60
		113	12.82	-18.61	-113.94	-18.69	-113.86	2.81	110.53	-1953.46	109.39	-1952.32	-48.56
		103	12.39	-18.17	-110.31	-18.25	-110.23	2.81	123.24	-1880.72	118.54	-1876.02	-96.95
37	15	202	11.74	-48.10	-113.94	-48.22	-113.82	2.81	-107.57	-1903.63	-108.00	-1903.20	-27.79
		204	12.19	-48.54	-117.57	-48.65	-117.45	2.81	-116.93	-1979.73	-117.16	-1979.51	20.60
		113	12.82	-18.61	-113.94	-18.69	-113.86	2.81	110.53	-1953.46	109.39	-1952.32	-48.56
		103	12.39	-18.17	-110.31	-18.25	-110.23	2.81	123.24	-1880.72	118.54	-1876.02	-96.95
38	2	103	8.69	30.83	-124.82	30.71	-124.70	4.37	-469.26	-1174.29	-474.54	-1169.01	60.79
		113	8.85	30.25	-129.58	30.13	-129.46	4.37	-475.42	-1182.48	-476.08	-1181.82	21.45
		114	8.70	38.63	-128.57	38.52	-128.45	4.37	-660.09	-1204.10	-660.27	-1203.93	9.84
		104	8.54	39.21	-123.81	39.09	-123.69	4.37	-654.23	-1195.62	-658.73	-1191.12	49.18
38	5	103	24.07	-41.77	-492.45	-43.67	-490.55	-29.19	157.95	-2083.42	146.71	-2072.17	-158.37
		113	22.86	-39.73	-476.06	-41.69	-474.10	-29.19	175.31	-1919.19	166.16	-1910.05	-138.09
		114	24.27	69.15	-462.60	67.54	-460.99	-29.19	261.14	-1898.69	261.10	-1898.66	8.86
		104	25.45	67.13	-479.01	65.57	-477.44	-29.19	241.70	-2060.84	241.65	-2060.78	-11.42
38	14	103	5.80	14.98	-95.40	14.86	-95.28	3.57	-206.75	-682.44	-206.83	-682.36	6.38
		113	5.92	14.56	-98.86	14.45	-98.75	3.57	-207.58	-688.73	-207.59	-688.72	2.19
		114	5.91	17.10	-98.56	16.99	-98.45	3.57	-227.18	-691.10	-227.21	-691.07	-3.58
		104	5.79	17.52	-95.09	17.41	-94.98	3.57	-226.45	-684.71	-226.45	-684.71	0.61
38	16	103	5.46	11.54	-95.16	11.41	-95.03	3.65	-144.31	-597.12	-144.51	-596.92	-9.53
		113	5.57	11.13	-98.54	11.00	-98.42	3.65	-145.08	-601.93	-145.11	-601.90	-3.45
		114	5.63	12.13	-98.42	12.01	-98.30	3.65	-116.51	-598.62	-116.64	-598.49	-7.97
		104	5.52	12.54	-95.03	12.42	-94.91	3.65	-115.63	-593.92	-116.04	-593.50	-14.05
39	1	104	6.54	-32.28	-96.41	-32.56	-96.13	4.23	1124.89	734.46	1070.78	788.57	-134.90
		114	6.58	-32.48	-98.07	-32.76	-97.80	4.23	1087.12	812.98	1075.15	824.95	-56.02
		115	8.05	-56.69	-101.13	-57.09	-100.72	4.23	1445.40	868.35	1444.47	869.27	-23.04
		105	8.02	-56.47	-99.47	-56.89	-99.05	4.23	1456.76	816.24	1440.11	832.89	-101.93
39	5	104	20.84	78.62	-373.58	78.10	-373.06	-15.42	301.44	-1666.05	290.34	-1654.96	147.31
		114	20.29	79.55	-365.93	79.02	-365.39	-15.42	308.91	-1587.48	299.56	-1578.13	132.81
		115	20.04	72.28	-366.81	71.74	-366.27	-15.42	253.96	-1608.55	231.69	-1586.28	202.45

		105	20.59	71.35	-374.46	70.82	-373.93	-15.42	247.11	-1687.74	222.47	-1663.10	216.95
39	13	104	5.03	-24.83	-74.16	-25.04	-73.95	3.26	865.30	564.97	823.68	606.59	-103.77
		114	5.06	-24.99	-75.44	-25.20	-75.23	3.26	836.24	625.37	827.04	634.58	-43.09
		115	6.19	-43.60	-77.79	-43.92	-77.48	3.26	1111.84	667.96	1111.13	668.67	-17.73
		105	6.17	-43.44	-76.52	-43.76	-76.19	3.26	1120.59	627.88	1107.78	640.69	-78.41
39	15	104	5.03	-24.83	-74.16	-25.04	-73.95	3.26	865.30	564.97	823.68	606.59	-103.77
		114	5.06	-24.99	-75.44	-25.20	-75.23	3.26	836.24	625.37	827.04	634.58	-43.09
		115	6.19	-43.60	-77.79	-43.92	-77.48	3.26	1111.84	667.96	1111.13	668.67	-17.73
		105	6.17	-43.44	-76.52	-43.76	-76.19	3.26	1120.59	627.88	1107.78	640.69	-78.41
40	1	105	7.58	-54.42	-79.89	-54.57	-79.73	2.00	1429.97	724.49	1427.41	727.05	-42.47
		115	7.62	-54.43	-80.02	-54.59	-79.86	2.00	1431.69	755.40	1430.90	756.18	-23.04
		116	8.20	-65.42	-81.44	-65.67	-81.19	2.00	1521.85	767.08	1521.84	767.09	3.36
		106	8.17	-65.40	-81.31	-65.65	-81.06	2.00	1518.67	737.63	1518.34	737.96	-16.06
40	6	105	15.19	91.81	-256.41	83.26	-247.86	53.88	306.99	-1162.66	302.42	-1158.09	-81.84
		115	15.60	88.14	-282.04	80.12	-274.03	53.88	323.12	-1130.51	307.59	-1114.98	-149.45
		116	14.30	48.88	-287.70	40.02	-278.84	53.88	1.64	-1163.51	-8.91	-1152.96	-110.37
		106	13.89	52.67	-262.18	43.16	-252.67	53.88	-12.54	-1197.62	-14.09	-1196.07	-42.77
40	13	105	5.83	-41.86	-61.45	-41.98	-61.33	1.54	1099.98	557.30	1098.01	559.27	-32.67
		115	5.86	-41.87	-61.55	-41.99	-61.43	1.54	1101.30	581.07	1100.70	581.68	-17.73
		116	6.31	-50.32	-62.65	-50.52	-62.45	1.54	1170.65	590.06	1170.64	590.07	2.59
		106	6.28	-50.31	-62.55	-50.50	-62.35	1.54	1168.21	567.41	1167.95	567.66	-12.35
40	15	105	5.83	-41.86	-61.45	-41.98	-61.33	1.54	1099.98	557.30	1098.01	559.27	-32.67
		115	5.86	-41.87	-61.55	-41.99	-61.43	1.54	1101.30	581.07	1100.70	581.68	-17.73
		116	6.31	-50.32	-62.65	-50.52	-62.45	1.54	1170.65	590.06	1170.64	590.07	2.59
		106	6.28	-50.31	-62.55	-50.50	-62.35	1.54	1168.21	567.41	1167.95	567.66	-12.35
41	1	106	7.91	-64.24	-69.93	-64.31	-69.86	0.64	1488.50	482.59	1487.78	483.31	26.95
		116	7.91	-64.18	-69.47	-64.26	-69.40	0.64	1490.01	501.79	1490.00	501.80	3.36
		117	7.37	-61.11	-69.08	-61.16	-69.02	0.64	1380.01	488.10	1379.56	488.55	20.12
		107	7.36	-61.17	-69.54	-61.22	-69.49	0.64	1379.44	467.95	1377.34	470.06	43.71
41	6	106	9.58	60.01	-199.31	50.68	-189.99	48.29	59.05	-588.83	58.81	-588.59	-12.48
		116	9.85	56.99	-218.87	48.27	-210.14	48.29	71.76	-569.30	62.27	-559.80	-77.44
		117	8.89	23.19	-224.14	13.38	-214.32	48.29	-234.57	-603.58	-241.86	-596.30	-51.35
		107	8.63	26.37	-204.75	15.79	-194.17	48.29	-244.83	-625.57	-245.32	-625.09	13.61
41	13	106	6.08	-49.41	-53.79	-49.47	-53.74	0.49	1145.00	371.22	1144.45	371.78	20.73
		116	6.09	-49.37	-53.44	-49.43	-53.38	0.49	1146.16	385.99	1146.15	386.00	2.59
		117	5.67	-47.01	-53.14	-47.05	-53.10	0.49	1061.55	375.46	1061.20	375.81	15.48
		107	5.67	-47.05	-53.49	-47.09	-53.45	0.49	1061.11	359.97	1059.49	361.58	33.63
41	15	106	6.08	-49.41	-53.79	-49.47	-53.74	0.49	1145.00	371.22	1144.45	371.78	20.73
		116	6.09	-49.37	-53.44	-49.43	-53.38	0.49	1146.16	385.99	1146.15	386.00	2.59
		117	5.67	-47.01	-53.14	-47.05	-53.10	0.49	1061.55	375.46	1061.20	375.81	15.48
		107	5.67	-47.05	-53.49	-47.09	-53.45	0.49	1061.11	359.97	1059.49	361.58	33.63
42	1	107	7.34	-60.36	-62.59	-60.39	-62.57	0.22	1357.63	265.32	1353.29	269.66	68.69
		117	7.31	-60.32	-62.25	-60.34	-62.22	0.22	1354.75	278.28	1354.37	278.66	20.12
		118	6.04	-49.85	-60.97	-49.85	-60.96	0.22	1127.90	250.46	1126.98	251.37	28.29
		108	6.07	-49.89	-61.32	-49.89	-61.31	0.22	1132.54	235.73	1125.90	242.37	76.85
42	9	107	8.48	55.55	-206.82	-17.89	-133.38	-117.79	119.35	-329.46	-261.92	51.81	160.48
		117	7.67	73.94	-173.18	-12.31	-86.93	-117.79	33.50	-346.30	-272.92	-39.88	149.95
		118	7.10	75.07	-172.48	-10.68	-86.73	-117.79	-30.48	-337.52	-322.20	-45.79	66.85
		108	7.98	56.78	-206.22	-16.26	-133.18	-117.79	61.94	-327.24	-311.19	45.89	77.37
42	13	107	5.64	-46.43	-48.15	-46.45	-48.13	0.17	1044.33	204.09	1040.99	207.43	52.84
		117	5.63	-46.40	-47.88	-46.42	-47.86	0.17	1042.11	214.06	1041.82	214.35	15.48
		118	4.65	-38.35	-46.90	-38.35	-46.90	0.17	867.61	192.66	866.91	193.36	21.76
		108	4.67	-38.38	-47.17	-38.38	-47.16	0.17	871.18	181.33	866.08	186.44	59.12
42	15	107	5.64	-46.43	-48.15	-46.45	-48.13	0.17	1044.33	204.09	1040.99	207.43	52.84
		117	5.63	-46.40	-47.88	-46.42	-47.86	0.17	1042.11	214.06	1041.82	214.35	15.48
		118	4.65	-38.35	-46.90	-38.35	-46.90	0.17	867.61	192.66	866.91	193.36	21.76
		108	4.67	-38.38	-47.17	-38.38	-47.16	0.17	871.18	181.33	866.08	186.44	59.12
43	1	108	6.10	-49.23	-55.80	-49.23	-55.80	0.14	1120.24	124.58	1112.68	132.15	86.48
		118	6.06	-49.23	-55.77	-49.23	-55.77	0.14	1113.70	133.07	1112.88	133.88	28.29
		120	4.51	-36.47	-54.24	-36.48	-54.24	0.14	841.61	99.98	840.41	101.19	29.86
		109	4.56	-36.48	-54.27	-36.48	-54.27	0.14	850.52	89.13	840.20	99.45	88.06
43	7	108	7.43	55.10	-36.44	-18.78	37.43	-36.13	1402.00	338.31	1400.56	339.74	39.08
		118	7.45	64.32	-33.42	-17.46	48.36	-36.13	1401.58	347.38	1401.49	347.47	9.80
		120	6.51	67.99	-22.35	-4.29	49.94	-36.13	1264.70	330.71	1264.39	331.02	16.80
		109	6.50	59.16	-25.76	-5.60	39.01	-36.13	1265.72	321.04	1263.47	323.29	46.08
43	13	108	4.69	-37.87	-42.92	-37.87	-42.92	0.11	861.73	95.83	855.90	101.65	66.53
		118	4.66	-37.87	-42.90	-37.87	-42.90	0.11	856.69	102.36	856.06	102.99	21.76
		120	3.47	-28.06	-41.72	-28.06	-41.72	0.11	647.39	76.91	646.47	77.83	22.97
		109	3.51	-28.06	-41.74	-28.06	-41.74	0.11	654.25	68.56	646.31	76.50	67.74
43	15	108	4.69	-37.87	-42.92	-37.87	-42.92	0.11	861.73	95.83	855.90	101.65	66.53
		118	4.66	-37.87	-42.90	-37.87	-42.90	0.11	856.69	102.36	856.06	102.99	21.76
		120	3.47	-28.06	-41.72	-28.06	-41.72	0.11	647.39	76.91	646.47	77.83	22.97
		109	3.51	-28.06	-41.74	-28.06	-41.74	0.11	654.25	68.56	646.31	76.50	67.74
44	4	109	5.54	37.69	-46.90	37.69	-46.90	0.67	-64.68	-791.56	-791.21	-65.03	-15.92
		120	5.54	37.66	-47.18	37.66	-47.17	0.67	-63.78	-791.11	-791.07	-63.83	-5.69
		121	5.37	39.26	-46.98	39.25	-46.98	0.67	-58.05	-743.21	-743.18	-58.08	-4.60
		110	5.36	39.29	-46.71	39.29	-46.71	0.67	-58.97	-743.65	-743.33	-59.29	-14.83

44	7	109	6.49	47.24	-23.68	-6.66	30.22	-30.29	1258.85	248.40	1254.95	252.30	62.64
		120	6.43	53.19	-21.32	-5.77	37.64	-30.29	1255.82	258.13	1255.67	258.29	12.48
		121	5.22	55.37	-15.79	1.11	38.46	-30.29	1021.23	229.70	1020.82	230.11	17.90
		110	5.31	49.61	-18.35	0.22	31.04	-30.29	1025.88	218.34	1020.10	224.12	68.06
44	13	109	3.52	-27.59	-37.86	-27.59	-37.86	0.07	648.38	25.79	641.10	33.08	66.94
		120	3.48	-27.61	-38.02	-27.61	-38.02	0.07	641.70	30.02	640.83	30.89	22.97
		121	2.31	-18.00	-36.86	-18.00	-36.86	0.07	435.98	5.16	434.96	6.18	20.98
		110	2.37	-17.98	-36.70	-17.98	-36.70	0.07	444.88	-1.29	435.22	8.37	64.96
44	15	109	3.52	-27.59	-37.86	-27.59	-37.86	0.07	648.38	25.79	641.10	33.08	66.94
		120	3.48	-27.61	-38.02	-27.61	-38.02	0.07	641.70	30.02	640.83	30.89	22.97
		121	2.31	-18.00	-36.86	-18.00	-36.86	0.07	435.98	5.16	434.96	6.18	20.98
		110	2.37	-17.98	-36.70	-17.98	-36.70	0.07	444.88	-1.29	435.22	8.37	64.96
45	4	110	5.11	40.19	-39.26	40.18	-39.25	0.68	-122.94	-751.40	-751.01	-123.33	-15.69
		121	5.11	40.13	-39.71	40.13	-39.71	0.68	-125.44	-751.30	-751.27	-125.47	-4.60
		122	4.83	38.57	-39.90	38.57	-39.89	0.68	-119.17	-699.44	-699.37	-119.25	-6.54
		111	4.83	38.63	-39.45	38.62	-39.44	0.68	-116.57	-699.64	-699.11	-117.10	-17.63
45	7	110	5.21	38.84	-16.55	-0.74	23.03	-25.01	1023.53	188.94	1016.70	195.77	75.19
		121	5.10	42.66	-14.76	-0.14	28.05	-25.01	1017.27	196.92	1016.89	197.31	17.73
		122	3.80	44.45	-10.95	4.85	28.64	-25.01	748.50	164.40	747.87	165.03	19.12
		111	3.96	40.76	-12.89	4.25	23.63	-25.01	757.56	153.62	747.69	163.49	76.58
45	14	110	2.24	17.10	-36.74	17.09	-36.74	0.42	-83.28	-279.18	-278.16	-84.30	14.10
		121	2.24	17.05	-37.11	17.05	-37.11	0.42	-87.27	-278.70	-278.53	-87.44	5.63
		122	2.47	19.39	-36.83	19.39	-36.83	0.42	-92.16	-318.21	-318.18	-92.20	2.78
		111	2.47	19.43	-36.46	19.43	-36.46	0.42	-88.50	-318.36	-317.80	-89.05	11.25
45	15	110	2.39	-17.54	-32.97	-17.54	-32.97	0.04	438.57	-33.18	431.12	-25.74	58.78
		121	2.36	-17.57	-33.21	-17.57	-33.21	0.04	431.52	-31.34	430.57	-30.38	20.98
		122	1.87	-9.38	-32.23	-9.38	-32.23	0.04	254.52	-52.54	253.60	-51.62	16.77
		111	1.90	-9.35	-31.98	-9.35	-31.98	0.04	263.74	-56.56	254.15	-46.98	54.57
46	4	111	4.64	39.53	-31.89	39.53	-31.88	0.62	-166.32	-706.17	-705.14	-167.35	-23.58
		122	4.63	39.48	-32.33	39.48	-32.33	0.62	-171.65	-705.74	-705.66	-171.73	-6.54
		123	4.13	34.63	-32.91	34.62	-32.91	0.62	-161.92	-626.15	-625.91	-162.16	-10.51
		112	4.14	34.68	-32.47	34.67	-32.47	0.62	-156.16	-627.00	-625.38	-157.78	-27.55
46	6	111	4.10	27.02	-78.53	22.77	-74.28	20.73	-143.35	-503.39	-502.43	-144.31	18.61
		122	4.17	26.40	-82.39	22.29	-78.28	20.73	-148.62	-503.51	-503.00	-149.12	13.37
		123	4.30	27.15	-82.27	23.07	-78.19	20.73	-151.85	-527.76	-527.54	-152.06	9.01
		112	4.23	27.76	-78.41	23.55	-74.19	20.73	-146.72	-527.50	-526.97	-147.26	14.26
46	14	111	2.28	20.17	-30.36	20.16	-30.36	0.40	-132.02	-323.04	-322.97	-132.09	3.78
		122	2.27	20.12	-30.73	20.12	-30.73	0.40	-137.12	-323.62	-323.58	-137.16	2.78
		123	2.27	19.47	-30.81	19.46	-30.80	0.40	-137.70	-328.25	-328.23	-137.72	-1.81
		112	2.28	19.51	-30.44	19.51	-30.43	0.40	-132.65	-327.63	-327.63	-132.65	-0.82
46	16	111	1.89	16.94	-30.10	16.94	-30.10	0.37	-125.69	-259.79	-259.27	-126.21	8.34
		122	1.88	16.90	-30.46	16.89	-30.46	0.37	-131.25	-260.04	-259.90	-131.40	4.34
		123	1.97	16.94	-30.46	16.94	-30.45	0.37	-133.64	-278.62	-278.62	-133.64	-0.36
		112	1.97	16.98	-30.10	16.98	-30.10	0.37	-128.37	-278.09	-278.00	-128.46	3.64
47	1	204	15.85	-63.10	-152.84	-63.25	-152.69	-3.65	-152.01	-2573.65	-152.31	-2573.36	-26.78
		206	15.26	-62.52	-148.12	-62.68	-147.97	-3.65	-139.85	-2474.72	-140.41	-2474.16	36.12
		124	16.10	-23.62	-143.41	-23.73	-143.29	-3.65	160.22	-2444.93	154.11	-2438.82	126.03
		113	16.66	-24.19	-148.12	-24.30	-148.01	-3.65	143.69	-2539.50	142.20	-2538.02	63.13
47	10	204	32.40	14.70	-422.03	-155.80	-251.53	213.06	1218.72	-3427.76	-188.28	-2020.77	2134.93
		206	38.55	-42.56	-521.66	-172.61	-391.61	213.06	670.43	-4630.03	-375.84	-3583.77	2109.74
		124	31.64	92.74	-469.28	-5.04	-371.50	213.06	-346.06	-3745.62	-493.76	-3597.92	693.04
		113	23.10	135.49	-355.14	11.77	-231.42	213.06	-46.74	-2294.38	-306.20	-2034.92	718.22
47	13	204	12.19	-48.54	-117.57	-48.65	-117.45	-2.81	-116.93	-1979.73	-117.16	-1979.51	-20.60
		206	11.74	-48.10	-113.94	-48.22	-113.82	-2.81	-107.57	-1903.63	-108.00	-1903.20	27.79
		124	12.39	-18.17	-110.31	-18.25	-110.23	-2.81	123.24	-1880.72	118.54	-1876.02	96.95
		113	12.82	-18.61	-113.94	-18.69	-113.86	-2.81	110.53	-1953.46	109.39	-1952.32	48.56
47	15	204	12.19	-48.54	-117.57	-48.65	-117.45	-2.81	-116.93	-1979.73	-117.16	-1979.51	-20.60
		206	11.74	-48.10	-113.94	-48.22	-113.82	-2.81	-107.57	-1903.63	-108.00	-1903.20	27.79
		124	12.39	-18.17	-110.31	-18.25	-110.23	-2.81	123.24	-1880.72	118.54	-1876.02	96.95
		113	12.82	-18.61	-113.94	-18.69	-113.86	-2.81	110.53	-1953.46	109.39	-1952.32	48.56
48	2	113	8.85	30.25	-129.58	30.13	-129.46	-4.37	-475.42	-1182.48	-476.08	-1181.82	-21.45
		124	8.69	30.83	-124.82	30.71	-124.70	-4.37	-469.26	-1174.29	-474.54	-1169.01	-60.79
		127	8.54	39.21	-123.81	39.09	-123.69	-4.37	-654.23	-1195.62	-658.73	-1191.12	-49.18
		114	8.70	38.63	-128.57	38.52	-128.45	-4.37	-660.09	-1204.10	-660.27	-1203.93	-9.84
48	6	113	22.86	-39.73	-476.06	-41.69	-474.10	29.19	175.31	-1919.19	166.16	-1910.05	138.09
		124	24.07	-41.77	-492.45	-43.67	-490.55	29.19	157.95	-2083.42	146.71	-2072.17	158.37
		127	25.45	67.13	-479.01	65.57	-477.44	29.19	241.70	-2060.84	241.65	-2060.78	11.42
		114	24.27	69.15	-462.60	67.54	-460.99	29.19	261.14	-1898.69	261.10	-1898.66	-8.86
48	14	113	5.92	14.56	-98.86	14.45	-98.75	-3.57	-207.58	-688.73	-207.59	-688.72	-2.19
		124	5.80	14.98	-95.40	14.86	-95.28	-3.57	-206.75	-682.44	-206.83	-682.36	-6.38
		127	5.79	17.52	-95.09	17.41	-94.98	-3.57	-226.45	-684.71	-226.45	-684.71	-0.61
		114	5.91	17.10	-98.56	16.99	-98.45	-3.57	-227.18	-691.10	-227.21	-691.07	3.58
48	16	113	5.57	11.13	-98.54	11.00	-98.42	-3.65	-145.08	-601.93	-145.11	-601.90	3.45
		124	5.46	11.54	-95.16	11.41	-95.03	-3.65	-144.31	-597.12	-144.51	-596.92	9.53
		127	5.52	12.54	-95.03	12.42	-94.91	-3.65	-115.63	-593.92	-116.04	-593.50	14.05
		114	5.63	12.13	-98.42	12.01	-98.30	-3.65	-116.51	-598.62	-116.64	-598.49	7.97
49	1	114	6.58	-32.48	-98.07	-32.76	-97.80	-4.23	1087.12	812.98	1075.15	824.95	56.02

		127	6.54	-32.28	-96.41	-32.56	-96.13	-4.23	1124.89	734.46	1070.78	788.57	134.90
		128	8.02	-56.47	-99.47	-56.89	-99.05	-4.23	1456.76	816.24	1440.11	832.89	101.93
		115	8.05	-56.69	-101.13	-57.09	-100.72	-4.23	1445.40	868.35	1444.47	869.27	23.04
49	6	114	20.29	79.55	-365.93	79.02	-365.39	15.42	308.91	-1587.48	299.56	-1578.13	-132.81
		127	20.84	78.62	-373.58	78.10	-373.06	15.42	301.44	-1666.05	290.34	-1654.96	-147.31
		128	20.59	71.35	-374.46	70.82	-373.93	15.42	247.11	-1687.74	222.47	-1663.10	-216.95
		115	20.04	72.28	-366.81	71.74	-366.27	15.42	253.96	-1608.55	231.69	-1586.28	-202.45
49	13	114	5.06	-24.99	-75.44	-25.20	-75.23	-3.26	836.24	625.37	827.04	634.58	43.09
		127	5.03	-24.83	-74.16	-25.04	-73.95	-3.26	865.30	564.97	823.68	606.59	103.77
		128	6.17	-43.44	-76.52	-43.76	-76.19	-3.26	1120.59	627.88	1107.78	640.69	78.41
		115	6.19	-43.60	-77.79	-43.92	-77.48	-3.26	1111.84	667.96	1111.13	668.67	17.73
49	15	114	5.06	-24.99	-75.44	-25.20	-75.23	-3.26	836.24	625.37	827.04	634.58	43.09
		127	5.03	-24.83	-74.16	-25.04	-73.95	-3.26	865.30	564.97	823.68	606.59	103.77
		128	6.17	-43.44	-76.52	-43.76	-76.19	-3.26	1120.59	627.88	1107.78	640.69	78.41
		115	6.19	-43.60	-77.79	-43.92	-77.48	-3.26	1111.84	667.96	1111.13	668.67	17.73
50	1	115	7.62	-54.43	-80.02	-54.59	-79.86	-2.00	1431.69	755.40	1430.90	756.18	23.04
		128	7.58	-54.42	-79.89	-54.57	-79.73	-2.00	1429.97	724.49	1427.41	727.05	42.47
		129	8.17	-65.40	-81.31	-65.65	-81.06	-2.00	1518.67	737.63	1518.34	737.96	16.06
		116	8.20	-65.42	-81.44	-65.67	-81.19	-2.00	1521.85	767.08	1521.84	767.09	-3.36
50	6	115	15.55	83.80	-274.65	82.85	-273.70	18.45	316.23	-1145.60	287.96	-1117.34	-201.30
		128	15.75	82.73	-283.42	81.79	-282.48	18.45	338.88	-1151.12	289.80	-1102.03	-265.94
		129	14.41	40.88	-288.55	39.85	-287.52	18.45	41.08	-1192.22	-12.79	-1138.35	-252.07
		116	14.21	41.96	-279.79	40.90	-278.73	18.45	15.42	-1183.70	-14.63	-1153.65	-187.44
50	13	115	5.86	-41.87	-61.55	-41.99	-61.43	-1.54	1101.30	581.07	1100.70	581.68	17.73
		128	5.83	-41.86	-61.45	-41.98	-61.33	-1.54	1099.98	557.30	1098.01	559.27	32.67
		129	6.28	-50.31	-62.55	-50.50	-62.35	-1.54	1168.21	567.41	1167.95	567.66	12.35
		116	6.31	-50.32	-62.65	-50.52	-62.45	-1.54	1170.65	590.06	1170.64	590.07	-2.59
50	15	115	5.86	-41.87	-61.55	-41.99	-61.43	-1.54	1101.30	581.07	1100.70	581.68	17.73
		128	5.83	-41.86	-61.45	-41.98	-61.33	-1.54	1099.98	557.30	1098.01	559.27	32.67
		129	6.28	-50.31	-62.55	-50.50	-62.35	-1.54	1168.21	567.41	1167.95	567.66	12.35
		116	6.31	-50.32	-62.65	-50.52	-62.45	-1.54	1170.65	590.06	1170.64	590.07	-2.59
51	1	116	7.91	-64.18	-69.47	-64.26	-69.40	-0.64	1490.01	501.79	1490.00	501.80	-3.36
		129	7.91	-64.24	-69.93	-64.31	-69.86	-0.64	1488.50	482.59	1487.78	483.31	-26.95
		130	7.36	-61.17	-69.54	-61.22	-69.49	-0.64	1379.44	467.95	1377.34	470.06	-43.71
		117	7.37	-61.11	-69.08	-61.16	-69.02	-0.64	1380.01	488.10	1379.56	488.55	-20.12
51	10	116	9.78	75.72	-183.44	-5.28	-102.44	120.13	237.17	-572.12	-206.68	-128.27	-402.74
		129	10.69	56.53	-223.38	-11.61	-155.24	120.13	354.14	-512.33	-187.74	29.54	-419.39
		130	9.66	49.48	-226.44	-20.64	-156.32	120.13	188.37	-433.89	-265.71	20.19	-276.35
		117	8.65	69.23	-187.06	-14.30	-103.52	120.13	58.76	-481.04	-284.65	-137.63	-259.69
51	13	116	6.09	-49.37	-53.44	-49.43	-53.38	-0.49	1146.16	385.99	1146.15	386.00	-2.59
		129	6.08	-49.41	-53.79	-49.47	-53.74	-0.49	1145.00	371.22	1144.45	371.78	-20.73
		130	5.67	-47.05	-53.49	-47.09	-53.45	-0.49	1061.11	359.97	1059.49	361.58	-33.63
		117	5.67	-47.01	-53.14	-47.05	-53.10	-0.49	1061.55	375.46	1061.20	375.81	-15.48
51	15	116	6.09	-49.37	-53.44	-49.43	-53.38	-0.49	1146.16	385.99	1146.15	386.00	-2.59
		129	6.08	-49.41	-53.79	-49.47	-53.74	-0.49	1145.00	371.22	1144.45	371.78	-20.73
		130	5.67	-47.05	-53.49	-47.09	-53.45	-0.49	1061.11	359.97	1059.49	361.58	-33.63
		117	5.67	-47.01	-53.14	-47.05	-53.10	-0.49	1061.55	375.46	1061.20	375.81	-15.48
52	1	117	7.31	-60.32	-62.25	-60.34	-62.22	-0.22	1354.75	278.28	1354.37	278.66	-20.12
		130	7.34	-60.36	-62.59	-60.39	-62.57	-0.22	1357.63	265.32	1353.29	269.66	-68.69
		132	6.07	-49.89	-61.32	-49.89	-61.31	-0.22	1132.54	235.73	1125.90	242.37	-76.85
		118	6.04	-49.85	-60.97	-49.85	-60.96	-0.22	1127.90	250.46	1126.98	251.37	-28.29
52	10	117	7.67	73.94	-173.18	-12.31	-86.93	117.79	33.50	-346.30	-272.92	-39.88	-149.95
		130	8.48	55.55	-206.82	-17.89	-133.38	117.79	119.35	-329.46	-261.92	51.81	-160.48
		132	7.98	56.78	-206.22	-16.26	-133.18	117.79	61.94	-327.24	-311.19	45.89	-77.37
		118	7.10	75.07	-172.48	-10.68	-86.73	117.79	-30.48	-337.52	-322.20	-45.79	-66.85
52	13	117	5.63	-46.40	-47.88	-46.42	-47.86	-0.17	1042.11	214.06	1041.82	214.35	-15.48
		130	5.64	-46.43	-48.15	-46.45	-48.13	-0.17	1044.33	204.09	1040.99	207.43	-52.84
		132	4.67	-38.38	-47.17	-38.38	-47.16	-0.17	871.18	181.33	866.08	186.44	-59.12
		118	4.65	-38.35	-46.90	-38.35	-46.90	-0.17	867.61	192.66	866.91	193.36	-21.76
52	15	117	5.63	-46.40	-47.88	-46.42	-47.86	-0.17	1042.11	214.06	1041.82	214.35	-15.48
		130	5.64	-46.43	-48.15	-46.45	-48.13	-0.17	1044.33	204.09	1040.99	207.43	-52.84
		132	4.67	-38.38	-47.17	-38.38	-47.16	-0.17	871.18	181.33	866.08	186.44	-59.12
		118	4.65	-38.35	-46.90	-38.35	-46.90	-0.17	867.61	192.66	866.91	193.36	-21.76
53	1	118	6.06	-49.23	-55.77	-49.23	-55.77	-0.14	1113.70	133.07	1112.88	133.88	-28.29
		132	6.10	-49.23	-55.80	-49.23	-55.80	-0.14	1120.24	124.58	1112.68	132.15	-86.48
		133	4.56	-36.48	-54.27	-36.48	-54.27	-0.14	850.52	89.13	840.20	99.45	-88.06
		120	4.51	-36.47	-54.24	-36.48	-54.24	-0.14	841.61	99.98	840.41	101.19	-29.86
53	8	118	7.45	64.32	-33.42	-17.46	48.36	36.13	1401.58	347.38	1401.49	347.47	-9.80
		132	7.43	55.10	-36.44	-18.78	37.43	36.13	1402.00	338.31	1400.56	339.74	-39.08
		133	6.50	59.16	-25.76	-5.60	39.01	36.13	1265.72	321.04	1263.47	323.29	-46.08
		120	6.51	67.99	-22.35	-4.29	49.94	36.13	1264.70	330.71	1264.39	331.02	-16.80
53	13	118	4.66	-37.87	-42.90	-37.87	-42.90	-0.11	856.69	102.36	856.06	102.99	-21.76
		132	4.69	-37.87	-42.92	-37.87	-42.92	-0.11	861.73	95.83	855.90	101.65	-66.53
		133	3.51	-28.06	-41.74	-28.06	-41.74	-0.11	654.25	68.56	646.31	76.50	-67.74
		120	3.47	-28.06	-41.72	-28.06	-41.72	-0.11	647.39	76.91	646.47	77.83	-22.97
53	15	118	4.66	-37.87	-42.90	-37.87	-42.90	-0.11	856.69	102.36	856.06	102.99	-21.76
		132	4.69	-37.87	-42.92	-37.87	-42.92	-0.11	861.73	95.83	855.90	101.65	-66.53

		133	3.51	-28.06	-41.74	-28.06	-41.74	-0.11	654.25	68.56	646.31	76.50	-67.74
		120	3.47	-28.06	-41.72	-28.06	-41.72	-0.11	647.39	76.91	646.47	77.83	-22.97
54	4	120	5.54	37.66	-47.18	37.66	-47.17	-0.67	-63.78	-791.11	-791.07	-63.83	5.69
		133	5.54	37.69	-46.90	37.69	-46.90	-0.67	-64.68	-791.56	-791.21	-65.03	15.92
		134	5.36	39.29	-46.71	39.29	-46.71	-0.67	-58.97	-743.65	-743.33	-59.29	14.83
		121	5.37	39.26	-46.98	39.25	-46.98	-0.67	-58.05	-743.21	-743.18	-58.08	4.60
54	8	120	6.43	53.19	-21.32	-5.77	37.64	30.29	1255.82	258.13	1255.67	258.29	-12.48
		133	6.49	47.24	-23.68	-6.66	30.22	30.29	1258.85	248.40	1254.95	252.30	-62.64
		134	5.31	49.61	-18.35	0.22	31.04	30.29	1025.88	218.34	1020.10	224.12	-68.06
		121	5.22	55.37	-15.79	1.11	38.46	30.29	1021.23	229.70	1020.82	230.11	-17.90
54	13	120	3.48	-27.61	-38.02	-27.61	-38.02	-0.07	641.70	30.02	640.83	30.89	-22.97
		133	3.52	-27.59	-37.86	-27.59	-37.86	-0.07	648.38	25.79	641.10	33.08	-66.94
		134	2.37	-17.98	-36.70	-17.98	-36.70	-0.07	444.88	-1.29	435.22	8.37	-64.96
		121	2.31	-18.00	-36.86	-18.00	-36.86	-0.07	435.98	5.16	434.96	6.18	-20.98
54	15	120	3.48	-27.61	-38.02	-27.61	-38.02	-0.07	641.70	30.02	640.83	30.89	-22.97
		133	3.52	-27.59	-37.86	-27.59	-37.86	-0.07	648.38	25.79	641.10	33.08	-66.94
		134	2.37	-17.98	-36.70	-17.98	-36.70	-0.07	444.88	-1.29	435.22	8.37	-64.96
		121	2.31	-18.00	-36.86	-18.00	-36.86	-0.07	435.98	5.16	434.96	6.18	-20.98
55	4	121	5.11	40.13	-39.71	40.13	-39.71	-0.68	-125.44	-751.30	-751.27	-125.47	4.60
		134	5.11	40.19	-39.26	40.18	-39.25	-0.68	-122.94	-751.40	-751.01	-123.33	15.69
		135	4.83	38.63	-39.45	38.62	-39.44	-0.68	-116.57	-699.64	-699.11	-117.10	17.63
		122	4.83	38.57	-39.90	38.57	-39.89	-0.68	-119.17	-699.44	-699.37	-119.25	6.54
55	8	121	5.10	42.66	-14.76	-0.14	28.05	25.01	1017.27	196.92	1016.89	197.31	-17.73
		134	5.21	38.84	-16.55	-0.74	23.03	25.01	1023.53	188.94	1016.70	195.77	-75.19
		135	3.96	40.76	-12.89	4.25	23.63	25.01	757.56	153.62	747.69	163.49	-76.58
		122	3.80	44.45	-10.95	4.85	28.64	25.01	748.50	164.40	747.87	165.03	-19.12
55	14	121	2.24	17.05	-37.11	17.05	-37.11	-0.42	-87.27	-278.70	-278.53	-87.44	-5.63
		134	2.24	17.10	-36.74	17.09	-36.74	-0.42	-83.28	-279.18	-278.16	-84.30	-14.10
		135	2.47	19.43	-36.46	19.43	-36.46	-0.42	-88.50	-318.36	-317.80	-89.05	-11.25
		122	2.47	19.39	-36.83	19.39	-36.83	-0.42	-92.16	-318.21	-318.18	-92.20	-2.78
55	15	121	2.36	-17.57	-33.21	-17.57	-33.21	-0.04	431.52	-31.34	430.57	-30.38	-20.98
		134	2.39	-17.54	-32.97	-17.54	-32.97	-0.04	438.57	-33.18	431.12	-25.74	-58.78
		135	1.90	-9.35	-31.98	-9.35	-31.98	-0.04	263.74	-56.56	254.15	-46.98	-54.57
		122	1.87	-9.38	-32.23	-9.38	-32.23	-0.04	254.52	-52.54	253.60	-51.62	-16.77
56	4	122	4.63	39.48	-32.33	39.48	-32.33	-0.62	-171.65	-705.74	-705.66	-171.73	6.54
		135	4.64	39.53	-31.89	39.53	-31.88	-0.62	-166.32	-706.17	-705.14	-167.35	23.58
		136	4.14	34.68	-32.47	34.67	-32.47	-0.62	-156.16	-627.00	-625.38	-157.78	27.55
		123	4.13	34.63	-32.91	34.62	-32.91	-0.62	-161.92	-626.15	-625.91	-162.16	10.51
56	5	122	4.17	26.40	-82.39	22.29	-78.28	-20.73	-148.62	-503.51	-503.00	-149.12	-13.37
		135	4.10	27.02	-78.53	22.77	-74.28	-20.73	-143.35	-503.39	-502.43	-144.31	-18.61
		136	4.23	27.76	-78.41	23.55	-74.19	-20.73	-146.72	-527.50	-526.97	-147.26	-14.26
		123	4.30	27.15	-82.27	23.07	-78.19	-20.73	-151.85	-527.76	-527.54	-152.06	-9.01
56	14	122	2.27	20.12	-30.73	20.12	-30.73	-0.40	-137.12	-323.62	-323.58	-137.16	-2.78
		135	2.28	20.17	-30.36	20.16	-30.36	-0.40	-132.02	-323.04	-322.97	-132.09	-3.78
		136	2.28	19.51	-30.44	19.51	-30.43	-0.40	-132.65	-327.63	-327.63	-132.65	0.82
		123	2.27	19.47	-30.81	19.46	-30.80	-0.40	-137.70	-328.25	-328.23	-137.72	1.81
56	16	122	1.88	16.90	-30.46	16.89	-30.46	-0.37	-131.25	-260.04	-259.90	-131.40	-4.34
		135	1.89	16.94	-30.10	16.94	-30.10	-0.37	-125.69	-259.79	-259.27	-126.21	-8.34
		136	1.97	16.98	-30.10	16.98	-30.10	-0.37	-128.37	-278.09	-278.00	-128.46	-3.64
		123	1.97	16.94	-30.46	16.94	-30.45	-0.37	-133.64	-278.62	-278.62	-133.64	0.36
57	1	206	15.29	-57.19	-148.72	-58.46	-147.46	-10.67	-154.41	-2476.04	-154.59	-2475.87	-20.34
		208	13.50	-55.09	-133.32	-56.58	-131.83	-10.67	-118.77	-2183.71	-119.45	-2183.03	37.33
		137	14.39	-20.24	-128.66	-21.30	-127.60	-10.67	189.71	-2189.80	150.55	-2150.63	302.76
		124	16.09	-22.23	-144.17	-23.18	-143.23	-10.67	138.67	-2466.73	115.41	-2443.47	245.09
57	10	206	34.95	-91.89	-497.40	-194.99	-394.29	176.57	333.30	-4362.96	-438.38	-3591.28	1740.27
		208	40.75	-120.91	-572.06	-206.10	-486.86	176.57	46.32	-5320.01	-571.67	-4702.02	1713.02
		137	38.00	90.64	-514.89	33.82	-458.07	176.57	-578.75	-4837.85	-699.27	-4717.33	706.24
		124	31.21	110.44	-431.01	44.93	-365.50	176.57	-398.29	-3774.28	-565.98	-3606.59	733.50
57	13	206	11.76	-43.99	-114.40	-44.97	-113.43	-8.21	-118.78	-1904.65	-118.91	-1904.51	-15.64
		208	10.38	-42.38	-102.55	-43.52	-101.41	-8.21	-91.36	-1679.78	-91.88	-1679.26	28.72
		137	11.07	-15.57	-98.97	-16.38	-98.15	-8.21	145.93	-1684.46	115.81	-1654.33	232.89
		124	12.37	-17.10	-110.90	-17.83	-110.17	-8.21	106.67	-1897.48	88.77	-1879.59	188.53
57	15	206	11.76	-43.99	-114.40	-44.97	-113.43	-8.21	-118.78	-1904.65	-118.91	-1904.51	-15.64
		208	10.38	-42.38	-102.55	-43.52	-101.41	-8.21	-91.36	-1679.78	-91.88	-1679.26	28.72
		137	11.07	-15.57	-98.97	-16.38	-98.15	-8.21	145.93	-1684.46	115.81	-1654.33	232.89
		124	12.37	-17.10	-110.90	-17.83	-110.17	-8.21	106.67	-1897.48	88.77	-1879.59	188.53
58	2	124	8.92	33.30	-125.48	32.32	-124.50	-12.43	-359.62	-1168.16	-371.17	-1156.61	-95.93
		137	8.45	35.22	-110.29	34.15	-109.22	-12.43	-345.92	-1151.07	-367.87	-1129.12	-131.09
		138	8.23	39.97	-109.69	38.93	-108.65	-12.43	-514.71	-1166.66	-532.49	-1148.88	-106.18
		127	8.71	38.05	-124.88	37.10	-123.93	-12.43	-528.01	-1184.14	-535.79	-1176.36	-71.02
58	6	124	24.06	-18.61	-489.05	-19.96	-487.70	-25.14	109.06	-2097.43	90.54	-2078.91	201.28
		137	24.33	-15.99	-467.68	-17.39	-466.27	-25.14	91.13	-2283.19	68.72	-2260.77	229.59
		138	25.66	71.86	-456.90	70.67	-455.71	-25.14	202.96	-2246.58	201.25	-2244.87	64.75
		127	25.41	69.25	-478.30	68.09	-477.14	-25.14	223.65	-2063.59	223.07	-2063.01	36.44
58	14	124	5.92	16.84	-96.07	15.92	-95.15	-10.13	-151.25	-675.80	-151.36	-675.70	-7.31
		137	5.58	18.25	-85.15	17.25	-84.15	-10.13	-149.69	-664.90	-150.02	-664.57	-13.07
		138	5.52	18.13	-85.17	17.13	-84.17	-10.13	-176.97	-667.82	-176.99	-667.81	-2.98

		127	5.86	16.72	-96.09	15.81	-95.17	-10.13	-178.31	-678.95	-178.32	-678.94	2.78
58	16	124	5.56	13.39	-95.90	12.40	-94.91	-10.35	-97.79	-592.12	-98.51	-591.40	18.88
		137	5.23	14.77	-85.29	13.69	-84.20	-10.35	-96.70	-585.16	-97.64	-584.21	21.50
		138	5.24	13.18	-85.50	12.08	-84.40	-10.35	-83.78	-584.31	-85.35	-582.74	28.02
		127	5.56	11.80	-96.11	10.79	-95.10	-10.35	-84.94	-591.20	-86.21	-589.92	25.39
59	1	127	6.59	-32.78	-98.58	-34.94	-96.42	-11.73	1088.83	600.83	919.27	770.39	232.37
		138	6.44	-32.14	-94.45	-34.43	-92.16	-11.73	1100.04	475.05	907.00	668.10	288.77
		139	7.23	-55.37	-98.55	-58.83	-95.09	-11.73	1241.92	628.89	1171.03	699.78	196.05
		128	7.37	-56.16	-102.53	-59.34	-99.34	-11.73	1228.99	756.39	1183.30	802.07	139.65
59	6	127	20.99	82.89	-375.03	80.62	-372.75	-32.18	279.49	-1664.91	271.77	-1657.19	-122.29
		138	21.19	85.57	-353.66	83.20	-351.29	-32.18	261.04	-1833.82	251.70	-1824.47	-139.63
		139	20.98	68.97	-355.74	66.52	-353.29	-32.18	211.96	-1875.67	170.50	-1834.21	-291.25
		128	20.77	66.29	-377.10	63.94	-374.75	-32.18	230.13	-1706.48	190.58	-1666.93	-273.91
59	13	127	5.07	-25.21	-75.83	-26.88	-74.17	-9.02	837.56	462.18	707.13	592.61	178.75
		138	4.95	-24.72	-72.65	-26.48	-70.89	-9.02	846.19	365.43	697.69	513.92	222.13
		139	5.56	-42.59	-75.81	-45.25	-73.14	-9.02	955.32	483.76	900.79	538.30	150.81
		128	5.67	-43.20	-78.87	-45.65	-76.42	-9.02	945.37	581.84	910.23	616.98	107.43
59	15	127	5.07	-25.21	-75.83	-26.88	-74.17	-9.02	837.56	462.18	707.13	592.61	178.75
		138	4.95	-24.72	-72.65	-26.48	-70.89	-9.02	846.19	365.43	697.69	513.92	222.13
		139	5.56	-42.59	-75.81	-45.25	-73.14	-9.02	955.32	483.76	900.79	538.30	150.81
		128	5.67	-43.20	-78.87	-45.65	-76.42	-9.02	945.37	581.84	910.23	616.98	107.43
60	1	128	6.75	-55.77	-81.28	-57.02	-80.02	-5.52	1183.79	683.05	1170.60	696.24	80.19
		139	6.63	-55.81	-81.54	-57.06	-80.30	-5.52	1175.58	602.09	1161.05	616.62	90.13
		140	6.94	-64.92	-83.31	-66.76	-81.46	-5.52	1208.12	621.65	1207.57	622.20	17.96
		129	7.06	-64.86	-83.05	-66.73	-81.19	-5.52	1217.25	701.69	1217.12	701.82	8.03
60	6	128	15.88	75.55	-283.94	74.92	-283.31	-15.08	330.50	-1178.45	257.91	-1105.86	-322.90
		139	15.83	76.43	-276.70	75.79	-276.06	-15.08	361.10	-1207.59	258.06	-1104.55	-388.61
		140	14.57	34.50	-281.82	33.78	-281.10	-15.08	73.94	-1264.96	-49.56	-1141.47	-387.42
		129	14.62	33.61	-289.06	32.91	-288.35	-15.08	37.95	-1230.44	-49.71	-1142.78	-321.72
60	13	128	5.20	-42.90	-62.52	-43.86	-61.56	-4.25	910.61	525.42	900.46	535.57	61.69
		139	5.10	-42.93	-62.73	-43.89	-61.77	-4.25	904.29	463.14	893.11	474.32	69.33
		140	5.34	-49.94	-64.08	-51.36	-62.66	-4.25	929.32	478.19	928.90	478.62	13.82
		129	5.43	-49.89	-63.89	-51.33	-62.45	-4.25	936.34	539.76	936.25	539.86	6.18
60	15	128	5.20	-42.90	-62.52	-43.86	-61.56	-4.25	910.61	525.42	900.46	535.57	61.69
		139	5.10	-42.93	-62.73	-43.89	-61.77	-4.25	904.29	463.14	893.11	474.32	69.33
		140	5.34	-49.94	-64.08	-51.36	-62.66	-4.25	929.32	478.19	928.90	478.62	13.82
		129	5.43	-49.89	-63.89	-51.33	-62.45	-4.25	936.34	539.76	936.25	539.86	6.18
61	1	129	6.66	-64.70	-70.67	-65.38	-69.99	-1.90	1188.21	445.51	1186.56	447.16	-34.98
		140	6.64	-65.04	-72.17	-65.58	-71.63	-1.90	1184.60	392.15	1180.46	396.29	-57.13
		141	6.15	-61.19	-71.51	-61.55	-71.14	-1.90	1091.83	368.79	1076.78	383.85	-103.24
		130	6.17	-60.93	-69.92	-61.35	-69.50	-1.90	1092.88	424.73	1082.88	434.72	-81.10
61	10	129	10.42	49.41	-215.60	-11.02	-155.17	111.19	350.80	-544.24	-219.20	25.77	-430.43
		140	11.61	33.04	-261.43	-17.69	-210.70	111.19	465.27	-468.18	-198.79	195.88	-422.96
		141	10.55	30.56	-262.23	-20.61	-211.05	111.19	342.70	-306.41	-163.80	200.08	-268.76
		130	9.23	47.08	-216.55	-13.94	-155.52	111.19	219.15	-373.39	-184.21	29.97	-276.24
61	13	129	5.13	-49.77	-54.36	-50.30	-53.84	-1.46	914.01	342.70	912.74	343.97	-26.91
		140	5.11	-50.03	-55.52	-50.45	-55.10	-1.46	911.23	301.65	908.04	304.84	-43.95
		141	4.73	-47.07	-55.00	-47.35	-54.73	-1.46	839.87	283.68	828.29	295.27	-79.42
		130	4.74	-46.87	-53.79	-47.19	-53.46	-1.46	840.67	326.71	832.99	334.40	-62.38
61	15	129	5.13	-49.77	-54.36	-50.30	-53.84	-1.46	914.01	342.70	912.74	343.97	-26.91
		140	5.11	-50.03	-55.52	-50.45	-55.10	-1.46	911.23	301.65	908.04	304.84	-43.95
		141	4.73	-47.07	-55.00	-47.35	-54.73	-1.46	839.87	283.68	828.29	295.27	-79.42
		130	4.74	-46.87	-53.79	-47.19	-53.46	-1.46	840.67	326.71	832.99	334.40	-62.38
62	1	130	6.07	-60.24	-62.87	-60.52	-62.59	-0.81	1072.26	220.89	1058.83	234.32	-106.08
		141	6.13	-60.43	-63.80	-60.64	-63.59	-0.81	1080.53	185.59	1055.94	210.19	-146.31
		142	5.11	-49.96	-62.37	-50.01	-62.32	-0.81	906.91	148.26	867.59	187.58	-168.18
		132	5.04	-49.83	-61.37	-49.89	-61.31	-0.81	894.47	187.74	870.49	211.72	-127.95
62	10	130	8.06	52.83	-196.59	-11.19	-132.57	108.95	141.48	-260.31	-180.41	61.59	-160.37
		141	9.04	37.47	-235.05	-16.96	-180.62	108.95	210.60	-233.76	-170.17	147.00	-155.61
		142	8.58	42.15	-233.39	-11.29	-179.94	108.95	168.97	-167.20	-147.91	149.67	-78.20
		132	7.53	57.23	-194.65	-5.53	-131.89	108.95	91.79	-185.69	-158.16	64.26	-82.95
62	13	130	4.67	-46.34	-48.36	-46.56	-48.14	-0.63	824.82	169.92	814.49	180.25	-81.60
		141	4.71	-46.49	-49.08	-46.65	-48.92	-0.63	831.18	142.76	812.26	161.68	-112.54
		142	3.93	-38.43	-47.98	-38.47	-47.94	-0.63	697.63	114.05	667.38	144.30	-129.37
		132	3.87	-38.33	-47.21	-38.38	-47.16	-0.63	688.05	144.42	669.61	162.86	-98.42
62	15	130	4.67	-46.34	-48.36	-46.56	-48.14	-0.63	824.82	169.92	814.49	180.25	-81.60
		141	4.71	-46.49	-49.08	-46.65	-48.92	-0.63	831.18	142.76	812.26	161.68	-112.54
		142	3.93	-38.43	-47.98	-38.47	-47.94	-0.63	697.63	114.05	667.38	144.30	-129.37
		132	3.87	-38.33	-47.21	-38.38	-47.16	-0.63	688.05	144.42	669.61	162.86	-98.42
63	4	132	5.18	33.15	-54.20	33.12	-54.17	-1.53	23.30	-652.74	-650.40	20.97	39.69
		142	5.16	33.11	-54.56	33.08	-54.53	-1.53	14.78	-655.70	-651.63	10.72	52.03
		143	5.00	37.02	-54.09	37.00	-54.06	-1.53	20.62	-596.84	-593.87	17.65	42.74
		133	5.02	37.07	-53.72	37.04	-53.70	-1.53	29.38	-594.13	-592.64	27.90	30.40
63	10	132	6.18	53.85	-166.47	-2.87	-109.76	96.33	15.27	-169.49	-164.62	10.40	-29.59
		142	6.86	42.37	-194.62	-7.11	-145.13	96.33	39.54	-167.99	-161.86	33.41	-35.15
		143	6.83	47.01	-192.91	-1.45	-144.45	96.33	31.22	-188.79	-187.86	30.29	-14.29
		133	6.13	58.25	-164.53	2.79	-109.08	96.33	7.67	-191.00	-190.62	7.28	-8.74

63	13	132	3.87	-37.83	-42.96	-37.87	-42.92	-0.44	678.10	59.41	659.43	78.07	-105.83
		142	3.95	-37.83	-42.96	-37.87	-42.93	-0.44	691.48	42.48	659.05	74.91	-141.40
		143	3.04	-28.13	-41.77	-28.14	-41.76	-0.44	535.80	11.64	492.52	54.93	-144.27
		133	2.93	-28.13	-41.77	-28.14	-41.75	-0.44	518.56	32.43	492.90	58.09	-108.70
63	15	132	3.87	-37.83	-42.96	-37.87	-42.92	-0.44	678.10	59.41	659.43	78.07	-105.83
		142	3.95	-37.83	-42.96	-37.87	-42.93	-0.44	691.48	42.48	659.05	74.91	-141.40
		143	3.04	-28.13	-41.77	-28.14	-41.76	-0.44	535.80	11.64	492.52	54.93	-144.27
		133	2.93	-28.13	-41.77	-28.14	-41.75	-0.44	518.56	32.43	492.90	58.09	-108.70
64	4	133	4.71	37.91	-46.93	37.86	-46.88	-2.15	-40.98	-602.29	-601.05	-42.21	26.26
		143	4.69	38.03	-46.00	37.97	-45.94	-2.15	-43.81	-603.61	-601.50	-45.92	34.32
		144	4.55	39.29	-45.85	39.24	-45.79	-2.15	-39.57	-565.60	-563.77	-41.39	30.96
		134	4.57	39.18	-46.78	39.13	-46.73	-2.15	-36.69	-564.32	-563.33	-37.69	22.90
64	8	133	6.06	53.43	-25.88	-3.09	30.64	35.89	1133.75	224.54	1121.95	236.34	-102.91
		143	6.20	48.69	-28.38	-3.87	24.18	35.89	1142.38	194.47	1119.65	217.20	-145.01
		144	5.37	51.19	-24.11	2.17	24.91	35.89	957.08	159.02	922.56	193.55	-162.36
		134	5.19	55.76	-21.44	2.94	31.37	35.89	944.61	192.93	924.85	212.69	-120.27
64	13	133	2.93	-27.67	-37.87	-27.68	-37.87	-0.27	511.14	-8.79	487.69	14.67	-107.91
		143	3.03	-27.61	-37.35	-27.61	-37.35	-0.27	528.31	-18.96	488.44	20.91	-142.24
		144	2.18	-18.03	-36.20	-18.03	-36.20	-0.27	377.36	-48.03	327.71	1.62	-136.58
		134	2.06	-18.09	-36.72	-18.09	-36.72	-0.27	355.96	-33.62	326.96	-4.62	-102.25
64	15	133	2.93	-27.67	-37.87	-27.68	-37.87	-0.27	511.14	-8.79	487.69	14.67	-107.91
		143	3.03	-27.61	-37.35	-27.61	-37.35	-0.27	528.31	-18.96	488.44	20.91	-142.24
		144	2.18	-18.03	-36.20	-18.03	-36.20	-0.27	377.36	-48.03	327.71	1.62	-136.58
		134	2.06	-18.09	-36.72	-18.09	-36.72	-0.27	355.96	-33.62	326.96	-4.62	-102.25
65	4	134	4.30	40.07	-39.33	40.02	-39.27	-2.05	-100.53	-572.21	-571.01	-101.73	23.76
		144	4.30	40.25	-37.90	40.19	-37.85	-2.05	-93.81	-572.46	-570.32	-95.96	31.97
		145	4.09	38.65	-38.09	38.60	-38.04	-2.05	-88.22	-534.97	-531.85	-91.34	37.21
		135	4.09	38.48	-39.52	38.43	-39.46	-2.05	-95.19	-534.47	-532.54	-97.12	28.99
65	8	134	5.07	45.38	-20.04	1.98	23.36	30.91	942.85	162.95	921.45	184.34	-127.39
		144	5.27	42.24	-21.98	1.44	18.82	30.91	961.06	139.92	920.94	180.04	-177.02
		145	4.37	44.32	-18.93	6.03	19.37	30.91	743.89	96.85	688.57	152.16	-180.92
		135	4.11	47.34	-16.87	6.57	23.91	30.91	719.69	125.86	689.09	156.46	-131.28
65	14	134	1.96	16.98	-36.79	16.95	-36.76	-1.28	-72.39	-217.60	-213.46	-76.53	-24.18
		144	1.97	17.12	-35.62	17.09	-35.59	-1.28	-61.53	-218.79	-212.42	-67.89	-30.99
		145	2.16	19.47	-35.34	19.44	-35.31	-1.28	-68.67	-247.39	-244.34	-71.72	-23.16
		135	2.15	19.33	-36.50	19.30	-36.47	-1.28	-78.76	-246.98	-245.37	-80.36	-16.35
65	15	134	2.08	-17.64	-32.98	-17.65	-32.98	-0.13	346.81	-62.68	322.87	-38.73	-96.08
		144	2.14	-17.55	-32.21	-17.55	-32.21	-0.13	364.72	-66.09	324.42	-25.80	-125.44
		145	1.81	-9.29	-31.22	-9.29	-31.22	-0.13	233.77	-89.13	186.93	-42.29	-113.72
		135	1.76	-9.38	-31.99	-9.38	-31.99	-0.13	212.00	-81.86	185.38	-55.23	-84.35
66	4	135	3.88	39.38	-31.95	39.34	-31.91	-1.83	-144.27	-541.67	-538.57	-147.36	34.94
		145	3.90	39.55	-30.59	39.50	-30.54	-1.83	-129.46	-542.69	-537.10	-135.05	47.75
		146	3.52	34.77	-31.17	34.72	-31.12	-1.83	-118.19	-486.78	-477.11	-127.86	58.91
		136	3.49	34.60	-32.53	34.55	-32.48	-1.83	-134.00	-484.76	-478.59	-140.17	46.10
66	8	135	4.18	37.37	-15.88	5.61	15.89	26.13	689.40	-50.01	667.00	-27.61	-126.72
		145	4.34	35.27	-17.50	5.21	12.57	26.13	710.82	-51.09	669.18	-9.45	-173.19
		146	3.49	36.86	-15.60	8.33	12.94	26.13	497.71	-81.62	451.64	-35.56	-156.73
		136	3.28	38.89	-13.91	8.72	16.26	26.13	472.57	-76.82	449.46	-53.72	-110.26
66	14	135	1.94	20.06	-30.40	20.04	-30.37	-1.19	-122.78	-251.16	-250.54	-123.40	-8.87
		145	1.96	20.20	-29.26	20.17	-29.23	-1.19	-108.47	-249.51	-248.83	-109.15	-9.80
		146	1.97	19.62	-29.33	19.59	-29.30	-1.19	-109.61	-253.26	-253.19	-109.67	3.11
		136	1.95	19.48	-30.47	19.46	-30.44	-1.19	-123.80	-255.02	-254.90	-123.92	4.04
66	15	135	1.76	-8.91	-28.07	-8.91	-28.07	-0.22	200.81	-106.75	181.51	-87.45	-74.59
		145	1.76	-8.81	-27.26	-8.82	-27.25	-0.22	215.87	-102.59	183.57	-70.30	-96.13
		146	1.52	-3.09	-26.57	-3.09	-26.57	-0.22	115.51	-115.21	82.70	-82.40	-80.58
		136	1.53	-3.19	-27.38	-3.19	-27.38	-0.22	98.26	-117.18	80.64	-99.56	-59.04
67	1	208	13.55	-46.16	-134.00	-49.21	-130.95	-16.08	-147.83	-2186.72	-148.09	-2186.47	-22.76
		210	10.56	-41.16	-104.71	-45.53	-100.33	-16.08	-92.24	-1723.77	-92.53	-1723.48	21.61
		147	11.51	-14.43	-100.11	-17.56	-96.98	-16.08	216.88	-1800.21	115.22	-1698.55	441.27
		137	14.31	-18.86	-129.97	-21.24	-127.59	-16.08	128.45	-2230.33	59.66	-2161.54	396.89
67	10	208	36.68	-169.64	-528.34	-210.58	-487.40	114.06	-301.79	-4987.47	-585.57	-4703.68	1117.67
		210	38.05	-168.69	-524.49	-210.07	-483.11	114.06	-364.58	-5320.73	-628.01	-5057.30	1111.84
		147	39.04	93.69	-473.48	69.74	-449.53	114.06	-517.44	-5198.41	-655.28	-5060.58	791.32
		137	37.62	93.01	-477.62	69.22	-453.82	114.06	-463.11	-4856.69	-612.84	-4706.96	797.15
67	13	208	10.42	-35.51	-103.07	-37.85	-100.73	-12.37	-113.72	-1682.10	-113.91	-1681.90	-17.51
		210	8.12	-31.66	-80.54	-35.03	-77.18	-12.37	-70.96	-1325.97	-71.18	-1325.75	16.63
		147	8.85	-11.10	-77.01	-13.51	-74.60	-12.37	166.83	-1384.77	88.63	-1306.58	339.44
		137	11.01	-14.51	-99.98	-16.34	-98.15	-12.37	98.81	-1715.64	45.89	-1662.72	305.30
67	15	208	10.42	-35.51	-103.07	-37.85	-100.73	-12.37	-113.72	-1682.10	-113.91	-1681.90	-17.51
		210	8.12	-31.66	-80.54	-35.03	-77.18	-12.37	-70.96	-1325.97	-71.18	-1325.75	16.63
		147	8.85	-11.10	-77.01	-13.51	-74.60	-12.37	166.83	-1384.77	88.63	-1306.58	339.44
		137	11.01	-14.51	-99.98	-16.34	-98.15	-12.37	98.81	-1715.64	45.89	-1662.72	305.30
68	2	137	8.89	37.67	-111.19	35.53	-109.06	-17.70	-142.44	-1126.45	-164.21	-1104.69	-144.73
		147	8.17	41.52	-83.12	38.95	-80.55	-17.70	-131.93	-1125.05	-162.93	-1094.04	-172.72
		148	7.90	40.44	-83.27	37.85	-80.68	-17.70	-262.56	-1141.15	-293.95	-1109.77	-163.07
		138	8.63	36.58	-111.34	34.43	-109.19	-17.70	-273.67	-1141.96	-295.22	-1120.41	-135.09
68	6	137	24.49	19.47	-478.12	4.95	-463.59	-83.76	44.73	-2307.99	5.14	-2268.40	302.62

		147	23.61	30.24	-408.09	13.60	-391.45	-83.76	24.43	-2548.47	-22.80	-2501.24	345.39
		148	24.86	84.33	-399.72	69.38	-384.76	-83.76	184.21	-2483.99	177.43	-2477.21	134.35
		138	25.75	73.94	-470.12	60.72	-456.90	-83.76	208.79	-2247.79	205.37	-2244.38	91.58
68	14	137	5.80	20.08	-86.04	18.08	-84.05	-14.40	-43.16	-651.80	-43.21	-651.75	-5.33
		147	5.32	22.88	-66.37	20.49	-63.98	-14.40	-43.63	-658.99	-44.03	-658.59	-15.67
		148	5.18	18.60	-67.00	16.10	-64.51	-14.40	-91.64	-665.23	-92.47	-664.40	-21.87
		138	5.67	15.76	-86.65	13.70	-84.58	-14.40	-91.42	-657.80	-91.65	-657.56	-11.52
68	16	137	5.42	16.59	-86.26	14.44	-84.11	-14.72	-8.12	-576.10	-10.47	-573.75	36.43
		147	4.97	19.33	-67.35	16.76	-64.78	-14.72	-10.38	-588.11	-12.00	-586.50	30.49
		148	4.85	13.71	-68.20	10.98	-65.47	-14.72	-39.17	-590.49	-39.82	-589.84	18.93
		138	5.31	10.92	-87.07	8.66	-84.81	-14.72	-37.15	-578.23	-38.29	-577.09	24.88
69	1	138	6.27	-34.24	-97.17	-38.74	-92.68	-16.22	940.87	256.84	570.04	627.67	340.80
		148	5.84	-33.44	-93.19	-38.23	-88.40	-16.22	871.82	164.27	552.73	483.36	352.07
		150	5.57	-55.14	-98.57	-62.41	-91.30	-16.22	776.31	318.87	605.50	489.69	221.27
		139	6.00	-56.23	-102.26	-62.92	-95.58	-16.22	838.48	418.33	622.81	634.00	210.00
69	6	138	21.38	85.53	-364.77	73.25	-352.48	-73.36	261.92	-1830.07	255.82	-1823.97	-112.80
		148	21.31	93.25	-313.55	79.56	-299.86	-73.36	231.83	-2109.39	222.67	-2100.22	-146.19
		150	21.24	70.34	-317.13	55.91	-302.70	-73.36	136.09	-2188.73	66.35	-2118.98	-396.58
		139	21.28	62.48	-368.20	49.59	-355.32	-73.36	165.20	-1908.42	99.50	-1842.73	-363.19
69	13	138	4.82	-26.34	-74.75	-29.80	-71.29	-12.47	723.75	197.57	438.50	482.82	262.15
		148	4.50	-25.73	-71.68	-29.41	-68.00	-12.47	670.63	126.36	425.17	371.82	270.82
		150	4.28	-42.41	-75.83	-48.00	-70.23	-12.47	597.17	245.29	465.77	376.69	170.21
		139	4.61	-43.26	-78.66	-48.40	-73.52	-12.47	644.98	321.79	479.09	487.69	161.54
69	15	138	4.82	-26.34	-74.75	-29.80	-71.29	-12.47	723.75	197.57	438.50	482.82	262.15
		148	4.50	-25.73	-71.68	-29.41	-68.00	-12.47	670.63	126.36	425.17	371.82	270.82
		150	4.28	-42.41	-75.83	-48.00	-70.23	-12.47	597.17	245.29	465.77	376.69	170.21
		139	4.61	-43.26	-78.66	-48.40	-73.52	-12.47	644.98	321.79	479.09	487.69	161.54
70	1	139	5.04	-58.44	-83.49	-61.14	-80.79	-7.77	690.43	473.24	612.83	550.83	104.08
		150	4.79	-59.03	-86.07	-61.48	-83.61	-7.77	646.69	397.20	600.00	443.89	97.31
		152	4.68	-65.46	-87.65	-68.63	-84.47	-7.77	568.30	440.09	568.30	440.09	0.37
		140	4.93	-64.73	-85.22	-68.29	-81.65	-7.77	582.57	545.59	581.13	547.03	7.15
70	6	139	16.00	63.73	-282.96	58.86	-278.09	-40.80	333.67	-1259.68	187.06	-1113.07	-460.55
		150	15.66	66.34	-263.57	61.22	-258.44	-40.80	377.15	-1279.35	189.61	-1091.82	-524.86
		152	14.54	28.66	-268.74	22.96	-263.03	-40.80	97.14	-1336.61	-111.52	-1127.95	-505.60
		140	14.88	25.99	-288.07	20.60	-282.68	-40.80	48.51	-1311.79	-114.07	-1149.21	-441.28
70	13	139	3.88	-44.96	-64.22	-47.03	-62.15	-5.98	531.10	364.03	471.41	423.72	80.06
		150	3.68	-45.41	-66.21	-47.29	-64.32	-5.98	497.45	305.54	461.54	341.45	74.85
		152	3.60	-50.35	-67.42	-52.79	-64.98	-5.98	437.15	338.53	437.15	338.53	0.29
		140	3.79	-49.79	-65.55	-52.53	-62.81	-5.98	448.13	419.69	447.02	420.79	5.50
70	15	139	3.88	-44.96	-64.22	-47.03	-62.15	-5.98	531.10	364.03	471.41	423.72	80.06
		150	3.68	-45.41	-66.21	-47.29	-64.32	-5.98	497.45	305.54	461.54	341.45	74.85
		152	3.60	-50.35	-67.42	-52.79	-64.98	-5.98	437.15	338.53	437.15	338.53	0.29
		140	3.79	-49.79	-65.55	-52.53	-62.81	-5.98	448.13	419.69	447.02	420.79	5.50
71	4	140	4.39	24.61	-66.71	24.60	-66.70	1.03	102.23	-403.83	-401.21	99.61	36.28
		152	4.67	23.91	-72.58	23.90	-72.57	1.03	141.78	-402.27	-396.81	136.32	54.24
		153	4.47	27.41	-72.16	27.40	-72.15	1.03	162.52	-328.87	-312.76	146.41	87.51
		141	4.18	28.11	-66.29	28.10	-66.28	1.03	120.75	-328.21	-317.16	109.70	69.56
71	10	140	11.11	26.19	-253.13	-16.39	-210.55	100.40	446.04	-458.69	-207.49	194.84	-405.18
		152	12.71	11.03	-310.58	-24.17	-275.39	100.40	554.56	-371.55	-186.53	369.54	-370.29
		153	11.70	15.03	-309.63	-19.74	-274.85	100.40	478.65	-112.70	-23.19	389.14	-211.94
		141	9.94	30.03	-252.01	-11.96	-210.02	100.40	363.79	-193.50	-44.16	214.44	-246.83
71	13	140	3.26	-50.31	-56.55	-51.63	-55.24	-2.54	440.30	232.88	426.17	247.01	-52.27
		152	3.21	-51.00	-58.82	-51.94	-57.88	-2.54	437.32	175.91	419.75	193.49	-65.47
		153	3.00	-47.15	-58.02	-47.78	-57.38	-2.54	414.75	129.26	357.94	186.08	-113.98
		141	3.05	-46.67	-55.54	-47.47	-54.74	-2.54	420.50	183.45	364.36	239.59	-100.78
71	15	140	3.26	-50.31	-56.55	-51.63	-55.24	-2.54	440.30	232.88	426.17	247.01	-52.27
		152	3.21	-51.00	-58.82	-51.94	-57.88	-2.54	437.32	175.91	419.75	193.49	-65.47
		153	3.00	-47.15	-58.02	-47.78	-57.38	-2.54	414.75	129.26	357.94	186.08	-113.98
		141	3.05	-46.67	-55.54	-47.47	-54.74	-2.54	420.50	183.45	364.36	239.59	-100.78
72	4	141	4.14	28.64	-61.96	28.62	-61.95	-1.17	128.92	-331.87	-316.68	113.73	82.26
		153	4.20	28.21	-65.54	28.19	-65.53	-1.17	125.88	-339.08	-317.78	104.58	97.22
		154	4.04	33.00	-64.97	32.99	-64.95	-1.17	133.71	-268.46	-247.73	112.98	88.93
		142	3.97	33.43	-61.39	33.42	-61.37	-1.17	136.42	-260.91	-246.63	122.14	73.96
72	10	141	8.28	33.26	-221.15	-8.30	-179.58	94.06	225.98	-115.16	-50.53	161.35	-133.68
		153	9.45	20.87	-265.42	-14.38	-230.17	94.06	268.00	-85.95	-42.90	224.95	-115.70
		154	9.11	27.82	-263.66	-6.59	-229.24	94.06	251.12	25.24	41.31	235.06	-58.05
		142	7.90	39.95	-219.12	-0.52	-178.65	94.06	205.17	-0.04	33.67	171.46	-76.04
72	13	141	2.87	-45.99	-49.71	-46.77	-48.93	-1.51	407.75	46.59	348.33	106.01	-133.90
		153	2.91	-46.30	-50.66	-46.90	-50.05	-1.51	413.88	13.86	345.48	82.26	-150.61
		154	2.57	-38.45	-49.28	-38.66	-49.06	-1.51	367.75	-27.62	267.26	72.87	-172.14
		142	2.52	-38.29	-48.18	-38.53	-47.94	-1.51	361.37	5.37	270.11	96.62	-155.43
72	15	141	2.87	-45.99	-49.71	-46.77	-48.93	-1.51	407.75	46.59	348.33	106.01	-133.90
		153	2.91	-46.30	-50.66	-46.90	-50.05	-1.51	413.88	13.86	345.48	82.26	-150.61
		154	2.57	-38.45	-49.28	-38.66	-49.06	-1.51	367.75	-27.62	267.26	72.87	-172.14
		142	2.52	-38.29	-48.18	-38.53	-47.94	-1.51	361.37	5.37	270.11	96.62	-155.43
73	4	142	3.60	34.39	-54.52	34.26	-54.39	-3.43	71.53	-267.40	-254.28	58.40	65.40
		154	3.56	34.37	-54.64	34.24	-54.51	-3.43	58.94	-273.56	-256.28	41.67	73.80

		155	3.45	37.26	-54.29	37.13	-54.16	-3.43	58.85	-229.42	-216.96	46.38	58.63
		143	3.49	37.28	-54.17	37.15	-54.04	-3.43	71.91	-223.74	-214.95	63.12	50.23
73	10	142	6.13	39.49	-179.67	3.65	-143.84	81.05	74.92	6.63e-03	19.72	55.20	-32.99
		154	6.84	31.28	-208.33	-0.30	-176.75	81.05	84.84	5.02	21.32	68.54	-32.18
		155	6.81	35.18	-207.30	4.10	-176.22	81.05	76.80	17.30	25.11	68.99	-20.09
		143	6.09	43.26	-178.52	8.05	-143.31	81.05	65.95	13.22	23.51	55.65	-20.90
73	13	142	2.47	-37.70	-43.16	-37.93	-42.93	-1.09	348.96	-59.93	261.79	27.24	-167.46
		154	2.55	-37.67	-42.98	-37.90	-42.75	-1.09	361.56	-75.63	261.46	24.48	-183.70
		155	2.17	-28.25	-41.69	-28.34	-41.60	-1.09	305.12	-104.30	185.46	15.36	-186.20
		143	2.08	-28.27	-41.87	-28.36	-41.79	-1.09	291.48	-87.56	185.80	18.12	-169.97
73	15	142	2.47	-37.70	-43.16	-37.93	-42.93	-1.09	348.96	-59.93	261.79	27.24	-167.46
		154	2.55	-37.67	-42.98	-37.90	-42.75	-1.09	361.56	-75.63	261.46	24.48	-183.70
		155	2.17	-28.25	-41.69	-28.34	-41.60	-1.09	305.12	-104.30	185.46	15.36	-186.20
		143	2.08	-28.27	-41.87	-28.36	-41.79	-1.09	291.48	-87.56	185.80	18.12	-169.97
74	4	143	3.10	38.31	-46.12	38.12	-45.93	-4.01	7.16	-230.18	-222.58	-0.45	41.80
		155	3.05	38.55	-44.20	38.35	-44.01	-4.01	2.55	-232.79	-223.35	-6.89	46.18
		156	2.98	39.22	-44.12	39.02	-43.93	-4.01	3.45	-210.77	-202.88	-4.44	40.34
		144	3.03	38.98	-46.04	38.79	-45.85	-4.01	8.16	-208.26	-202.11	2.01	35.96
74	9	143	5.90	60.45	-107.47	-28.68	-18.34	-83.80	-104.54	-685.95	-681.84	-108.66	-48.74
		155	5.93	73.32	-96.74	-26.15	2.73	-83.80	-97.55	-683.47	-680.82	-100.20	-39.29
		156	5.58	78.35	-90.43	-16.02	3.95	-83.80	-93.05	-638.44	-636.60	-94.89	-31.62
		144	5.56	65.96	-101.64	-18.55	-17.13	-83.80	-100.21	-640.75	-637.62	-103.35	-41.07
74	13	143	2.02	-27.79	-37.42	-27.83	-37.37	-0.65	277.75	-111.94	181.71	-15.90	-167.93
		155	2.11	-27.67	-36.46	-27.72	-36.41	-0.65	293.56	-117.43	182.82	-6.69	-182.35
		156	1.87	-18.15	-35.29	-18.18	-35.26	-0.65	236.05	-135.48	115.35	-14.79	-174.00
		144	1.81	-18.27	-36.25	-18.29	-36.23	-0.65	219.04	-128.79	114.25	-24.00	-159.59
74	15	143	2.02	-27.79	-37.42	-27.83	-37.37	-0.65	277.75	-111.94	181.71	-15.90	-167.93
		155	2.11	-27.67	-36.46	-27.72	-36.41	-0.65	293.56	-117.43	182.82	-6.69	-182.35
		156	1.87	-18.15	-35.29	-18.18	-35.26	-0.65	236.05	-135.48	115.35	-14.79	-174.00
		144	1.81	-18.27	-36.25	-18.29	-36.23	-0.65	219.04	-128.79	114.25	-24.00	-159.59
75	4	144	2.71	39.90	-38.06	39.75	-37.90	-3.49	-44.24	-216.97	-208.65	-52.56	36.98
		156	2.69	40.22	-35.47	40.06	-35.31	-3.49	-35.91	-217.11	-207.78	-45.24	40.05
		157	2.61	38.62	-35.67	38.45	-35.50	-3.49	-30.17	-206.75	-193.41	-43.52	46.68
		145	2.62	38.30	-38.25	38.14	-38.09	-3.49	-38.62	-206.50	-194.29	-50.83	43.61
75	8	144	4.81	48.37	-25.55	3.72	19.10	36.15	766.37	77.22	691.12	152.46	-214.92
		156	5.01	45.87	-27.41	3.26	15.20	36.15	784.53	47.58	689.89	142.21	-246.55
		157	4.61	48.16	-24.57	7.85	15.75	36.15	663.31	2.98	541.84	124.45	-255.84
		145	4.39	50.57	-22.61	8.31	19.65	36.15	642.15	35.63	543.07	134.70	-224.22
75	13	144	1.74	-17.81	-32.25	-17.82	-32.24	-0.29	198.97	-139.42	110.96	-51.41	-148.45
		156	1.74	-17.64	-30.87	-17.65	-30.87	-0.29	216.31	-136.42	113.14	-33.24	-160.46
		157	1.63	-9.22	-29.86	-9.22	-29.86	-0.29	160.37	-143.48	56.89	-39.99	-144.00
		145	1.63	-9.38	-31.23	-9.39	-31.23	-0.29	141.81	-145.27	54.71	-58.16	-131.98
75	15	144	1.74	-17.81	-32.25	-17.82	-32.24	-0.29	198.97	-139.42	110.96	-51.41	-148.45
		156	1.74	-17.64	-30.87	-17.65	-30.87	-0.29	216.31	-136.42	113.14	-33.24	-160.46
		157	1.63	-9.22	-29.86	-9.22	-29.86	-0.29	160.37	-143.48	56.89	-39.99	-144.00
		145	1.63	-9.38	-31.23	-9.39	-31.23	-0.29	141.81	-145.27	54.71	-58.16	-131.98
76	4	145	2.40	39.16	-30.72	39.04	-30.60	-2.93	-71.62	-222.46	-199.53	-94.55	54.15
		157	2.42	39.46	-28.31	39.33	-28.18	-2.93	-53.24	-221.30	-197.44	-77.11	58.66
		158	2.26	34.88	-28.87	34.75	-28.73	-2.93	-35.27	-215.65	-176.34	-74.57	74.46
		146	2.24	34.59	-31.28	34.46	-31.15	-2.93	-53.00	-217.45	-178.44	-92.01	69.96
76	8	145	4.30	41.71	-21.37	7.50	12.84	31.43	598.61	-101.84	523.68	-26.91	-216.49
		157	4.46	39.86	-23.05	7.12	9.69	31.43	626.67	-100.07	526.88	-0.27	-250.13
		158	3.88	41.65	-21.21	10.36	10.08	31.43	473.11	-122.92	369.37	-19.18	-225.99
		146	3.69	43.44	-19.47	10.74	13.23	31.43	442.02	-121.65	366.18	-45.81	-192.35
76	13	145	1.55	-8.90	-27.27	-8.91	-27.27	-0.36	116.06	-150.88	51.35	-86.16	-114.40
		157	1.49	-8.73	-25.81	-8.73	-25.80	-0.36	132.15	-139.47	54.29	-61.62	-122.82
		158	1.35	-2.83	-25.10	-2.84	-25.09	-0.36	82.72	-134.20	14.87	-66.35	-100.57
		146	1.43	-3.01	-26.56	-3.01	-26.56	-0.36	66.03	-145.01	11.92	-90.90	-92.15
76	15	145	1.55	-8.90	-27.27	-8.91	-27.27	-0.36	116.06	-150.88	51.35	-86.16	-114.40
		157	1.49	-8.73	-25.81	-8.73	-25.80	-0.36	132.15	-139.47	54.29	-61.62	-122.82
		158	1.35	-2.83	-25.10	-2.84	-25.09	-0.36	82.72	-134.20	14.87	-66.35	-100.57
		146	1.43	-3.01	-26.56	-3.01	-26.56	-0.36	66.03	-145.01	11.92	-90.90	-92.15
77	2	210	11.80	-35.10	-95.31	-38.24	-92.17	-13.38	97.19	-1905.47	-58.63	-1749.64	-536.46
		212	8.52	-14.72	-41.80	-30.32	-26.20	-13.38	170.20	-1508.76	-8.31	-1330.26	-517.54
		159	8.12	46.84	-20.06	44.05	-17.27	-13.38	93.63	-1332.98	80.27	-1319.63	-137.40
		147	11.70	37.61	-84.73	36.13	-83.24	-13.38	43.65	-1752.72	29.94	-1739.02	-156.32
77	10	210	35.46	-186.39	-485.84	-191.37	-480.86	38.29	-605.26	-5104.05	-649.43	-5059.88	443.58
		212	29.07	-163.53	-333.81	-172.63	-324.71	38.29	-532.58	-4603.30	-587.99	-4547.89	471.70
		159	32.25	91.41	-297.29	87.60	-293.48	38.29	-251.77	-4736.67	-456.34	-4532.09	935.76
		147	38.49	71.67	-452.45	68.86	-449.63	38.29	-342.56	-5219.30	-517.78	-5044.08	907.64
77	14	210	8.76	-26.92	-74.67	-29.45	-72.14	-10.70	17.10	-1419.73	-60.07	-1342.56	-323.92
		212	6.12	-13.20	-34.61	-23.69	-24.12	-10.70	70.79	-1089.59	-18.94	-999.86	-309.95
		159	5.92	26.73	-20.91	24.19	-18.37	-10.70	46.44	-992.01	46.44	-992.01	0.67
		147	8.75	19.76	-67.72	18.43	-66.39	-10.70	5.45	-1334.85	5.32	-1334.71	-13.29
77	16	210	8.66	-26.89	-75.20	-29.47	-72.62	-10.86	-3.54	-1403.67	-65.96	-1341.25	-288.96
		212	5.97	-13.86	-35.66	-23.83	-25.68	-10.86	48.98	-1063.50	-23.89	-990.63	-275.23
		159	5.83	23.09	-23.09	20.38	-20.38	-10.86	42.18	-984.68	40.41	-982.92	42.57

		147	8.67	16.15	-68.73	14.74	-67.32	-10.86	-1.04	-1334.16	-1.66	-1333.54	28.84
78	2	147	8.68	38.56	-83.00	36.42	-80.86	-15.98	132.62	-1082.47	111.29	-1061.14	-159.58
		159	7.75	45.19	-37.66	41.99	-34.46	-15.98	130.78	-1130.20	105.98	-1105.40	-175.09
		160	7.59	38.92	-38.68	35.48	-35.24	-15.98	72.40	-1153.14	33.37	-1114.11	-215.21
		148	8.52	32.16	-83.88	29.91	-81.64	-15.98	73.56	-1104.73	38.68	-1069.85	-199.70
78	10	147	24.90	85.60	-347.20	81.63	-343.23	41.26	-73.82	-2878.67	-238.21	-2714.28	658.82
		159	26.29	96.54	-263.64	91.75	-258.85	41.26	-215.18	-3658.09	-336.86	-3536.41	635.71
		160	24.60	56.79	-268.99	51.48	-263.68	41.26	-441.22	-3553.25	-445.08	-3549.39	-109.46
		148	23.09	45.68	-352.39	41.35	-348.06	41.26	-343.30	-2730.40	-346.42	-2727.27	-86.35
78	14	147	5.57	20.74	-66.24	18.69	-64.20	-13.17	88.36	-642.71	88.36	-642.70	-1.97
		159	5.00	25.48	-35.54	22.49	-32.55	-13.17	82.72	-694.11	82.25	-693.64	-19.12
		160	4.78	17.69	-36.92	14.31	-33.53	-13.17	7.96	-709.26	1.97	-703.27	-65.28
		148	5.34	12.74	-67.41	10.51	-65.18	-13.17	11.57	-655.82	8.08	-652.33	-48.14
78	16	147	5.17	17.25	-67.21	15.02	-64.98	-13.52	92.56	-577.45	89.44	-574.33	45.61
		159	4.65	21.85	-38.15	18.63	-34.93	-13.52	83.51	-632.89	82.53	-631.92	26.41
		160	4.39	12.92	-39.80	9.19	-36.06	-13.52	-6.32	-643.75	-7.37	-642.71	-25.79
		148	4.89	8.05	-68.58	5.58	-66.12	-13.52	-0.38	-585.19	-0.46	-585.12	-6.59
79	4	148	5.59	39.80	-62.26	39.74	-62.20	-2.45	216.09	-545.20	130.80	-459.91	-240.12
		160	5.07	41.41	-48.91	41.34	-48.84	-2.45	244.93	-491.59	139.63	-386.29	-257.82
		149	4.39	28.05	-50.52	27.97	-50.45	-2.45	126.60	-466.08	56.75	-396.24	-191.09
		150	4.96	26.44	-63.87	26.37	-63.80	-2.45	100.62	-522.55	47.92	-469.85	-173.39
79	6	148	21.19	77.97	-328.72	52.38	-303.12	-98.76	209.50	-2110.19	202.01	-2102.70	-131.56
		160	20.78	94.42	-246.77	62.92	-215.27	-98.76	171.66	-2495.28	156.70	-2480.32	-199.19
		149	21.00	72.73	-251.66	39.19	-218.12	-98.76	-41.55	-2636.69	-159.92	-2518.32	-541.46
		150	21.31	55.62	-332.95	28.65	-305.97	-98.76	-9.27	-2246.03	-114.61	-2140.70	-473.83
79	13	148	4.18	-29.61	-72.05	-33.19	-68.46	-11.81	450.61	-157.74	-24.94	317.80	251.31
		160	3.58	-29.82	-73.06	-33.33	-69.55	-11.81	327.51	-154.44	-37.77	210.84	206.44
		149	3.22	-45.57	-77.00	-50.91	-71.66	-11.81	211.72	-273.92	-247.83	185.63	109.49
		150	3.81	-45.27	-76.08	-50.78	-70.57	-11.81	334.44	-276.84	-235.00	292.59	154.36
79	15	148	4.18	-29.61	-72.05	-33.19	-68.46	-11.81	450.61	-157.74	-24.94	317.80	251.31
		160	3.58	-29.82	-73.06	-33.33	-69.55	-11.81	327.51	-154.44	-37.77	210.84	206.44
		149	3.22	-45.57	-77.00	-50.91	-71.66	-11.81	211.72	-273.92	-247.83	185.63	109.49
		150	3.81	-45.27	-76.08	-50.78	-70.57	-11.81	334.44	-276.84	-235.00	292.59	154.36
80	1	150	4.03	-61.71	-87.43	-65.10	-84.05	-8.70	343.56	-319.98	-310.99	334.57	76.70
		149	3.79	-63.69	-96.04	-66.23	-93.50	-8.70	242.69	-327.11	-322.57	238.14	50.69
		119	3.87	-67.73	-96.91	-70.60	-94.03	-8.70	225.54	-446.34	-444.33	223.53	-36.71
		152	4.07	-65.50	-88.54	-69.47	-84.57	-8.70	320.11	-432.91	-432.76	319.96	-10.70
80	12	150	14.97	42.97	-289.70	-35.43	-211.29	141.20	1031.56	-424.31	-296.86	904.11	-411.47
		149	18.01	8.26	-391.74	-50.09	-333.39	141.20	1219.94	-346.19	-268.30	1142.06	-340.45
		119	16.63	12.34	-390.59	-45.42	-332.83	141.20	1195.72	50.45	64.21	1181.96	-124.77
		152	13.34	46.68	-288.18	-30.77	-210.73	141.20	984.42	-4.75	35.65	944.01	-195.79
80	13	150	3.10	-47.47	-67.26	-50.07	-64.65	-6.69	264.28	-246.14	-239.23	257.36	59.00
		149	2.92	-48.99	-73.88	-50.95	-71.93	-6.69	186.68	-251.63	-248.13	183.19	39.00
		119	2.97	-52.10	-74.54	-54.31	-72.33	-6.69	173.49	-343.34	-341.79	171.95	-28.24
		152	3.13	-50.38	-68.11	-53.44	-65.05	-6.69	246.24	-333.01	-332.89	246.12	-8.23
80	15	150	3.10	-47.47	-67.26	-50.07	-64.65	-6.69	264.28	-246.14	-239.23	257.36	59.00
		149	2.92	-48.99	-73.88	-50.95	-71.93	-6.69	186.68	-251.63	-248.13	183.19	39.00
		119	2.97	-52.10	-74.54	-54.31	-72.33	-6.69	173.49	-343.34	-341.79	171.95	-28.24
		152	3.13	-50.38	-68.11	-53.44	-65.05	-6.69	246.24	-333.01	-332.89	246.12	-8.23
81	2	152	3.64	9.94	-89.74	9.94	-89.74	0.06	258.19	93.56	111.50	240.26	51.30
		119	4.09	8.35	-102.99	8.35	-102.99	0.06	285.09	85.31	113.50	256.90	69.55
		125	4.04	14.54	-102.25	14.54	-102.25	0.06	324.30	141.80	198.94	267.15	84.64
		153	3.59	16.13	-89.00	16.13	-89.00	0.06	295.31	152.14	196.94	250.51	66.39
81	10	152	11.91	10.32	-299.50	-14.91	-274.27	84.73	534.86	-259.32	-103.91	379.46	-315.07
		119	14.18	-4.45	-377.25	-24.82	-356.88	84.73	626.61	-180.48	-85.63	531.76	-259.91
		125	13.38	3.19	-375.91	-16.80	-355.92	84.73	597.69	137.67	172.61	562.75	-121.87
		153	10.97	17.78	-297.97	-6.88	-273.31	84.73	500.88	63.90	154.33	410.44	-177.03
81	13	152	2.95	-50.14	-60.41	-52.59	-57.96	-4.38	112.91	-362.11	-350.29	101.09	-73.99
		119	2.96	-51.31	-63.90	-53.08	-62.13	-4.38	64.68	-370.42	-356.35	50.61	-76.96
		125	3.04	-47.14	-62.90	-48.47	-61.57	-4.38	82.22	-403.55	-370.27	48.94	-122.72
		153	3.03	-46.26	-59.12	-47.97	-57.41	-4.38	128.52	-393.31	-364.21	99.42	-119.74
81	15	152	2.95	-50.14	-60.41	-52.59	-57.96	-4.38	112.91	-362.11	-350.29	101.09	-73.99
		119	2.96	-51.31	-63.90	-53.08	-62.13	-4.38	64.68	-370.42	-356.35	50.61	-76.96
		125	3.04	-47.14	-62.90	-48.47	-61.57	-4.38	82.22	-403.55	-370.27	48.94	-122.72
		153	3.03	-46.26	-59.12	-47.97	-57.41	-4.38	128.52	-393.31	-364.21	99.42	-119.74
82	1	153	4.08	-58.60	-67.71	-61.22	-65.09	-4.12	68.34	-563.73	-489.67	-5.72	-203.29
		125	4.05	-59.06	-68.72	-61.38	-66.41	-4.12	38.99	-562.42	-492.67	-30.76	-192.57
		126	3.74	-49.69	-66.24	-50.79	-65.14	-4.12	66.33	-533.56	-442.49	-24.74	-215.27
		154	3.77	-49.45	-65.01	-50.63	-63.82	-4.12	95.72	-534.91	-439.49	0.30	-225.98
82	10	153	8.49	18.23	-248.38	-1.52	-228.63	69.82	288.63	92.26	134.63	246.25	-80.78
		125	9.80	9.11	-297.23	-7.73	-280.39	69.82	300.53	118.56	138.72	280.36	-57.12
		126	9.59	13.72	-296.42	-2.89	-279.81	69.82	305.84	237.30	249.49	293.65	-26.21
		154	8.26	22.76	-247.48	3.32	-228.05	69.82	302.83	202.10	245.39	259.55	-49.87
82	13	153	3.14	-45.08	-52.09	-47.09	-50.07	-3.17	52.57	-433.64	-376.67	-4.40	-156.38
		125	3.12	-45.43	-52.86	-47.21	-51.08	-3.17	29.99	-432.63	-378.98	-23.66	-148.13
		126	2.88	-38.22	-50.95	-39.07	-50.11	-3.17	51.03	-410.43	-340.38	-19.03	-165.59
		154	2.90	-38.04	-50.00	-38.95	-49.10	-3.17	73.63	-411.47	-338.07	0.23	-173.83

82	15	153	3.14	-45.08	-52.09	-47.09	-50.07	-3.17	52.57	-433.64	-376.67	-4.40	-156.38
		125	3.12	-45.43	-52.86	-47.21	-51.08	-3.17	29.99	-432.63	-378.98	-23.66	-148.13
		126	2.88	-38.22	-50.95	-39.07	-50.11	-3.17	51.03	-410.43	-340.38	-19.03	-165.59
		154	2.90	-38.04	-50.00	-38.95	-49.10	-3.17	73.63	-411.47	-338.07	0.23	-173.83
83	1	154	3.82	-48.48	-56.78	-49.64	-55.62	-2.88	53.44	-563.10	-447.04	-62.61	-241.01
		126	3.72	-48.27	-56.04	-49.54	-54.77	-2.88	38.75	-548.08	-447.00	-62.32	-221.58
		131	3.18	-36.82	-53.81	-37.33	-53.30	-2.88	64.94	-472.39	-356.04	-51.41	-221.32
		155	3.30	-36.95	-54.64	-37.43	-54.15	-2.88	80.93	-488.70	-356.08	-51.70	-240.75
83	11	154	7.11	108.40	-73.76	-44.24	78.88	-67.13	-123.08	-767.89	-761.60	-129.37	-63.34
		126	7.42	131.87	-67.08	-41.01	105.80	-67.13	-134.46	-766.63	-762.69	-138.40	-49.76
		131	7.04	134.11	-58.84	-31.66	106.93	-67.13	-124.93	-705.00	-699.15	-130.78	-57.95
		155	6.73	110.91	-65.80	-34.89	80.00	-67.13	-113.00	-706.81	-698.06	-121.74	-71.52
83	13	154	2.93	-37.29	-43.68	-38.19	-42.78	-2.22	41.11	-433.15	-343.88	-48.16	-185.39
		126	2.86	-37.13	-43.11	-38.11	-42.13	-2.22	29.81	-421.60	-343.85	-47.94	-170.45
		131	2.45	-28.33	-41.39	-28.71	-41.00	-2.22	49.96	-363.38	-273.88	-39.55	-170.24
		155	2.54	-28.42	-42.03	-28.79	-41.66	-2.22	62.25	-375.93	-273.90	-39.77	-185.19
83	15	154	2.93	-37.29	-43.68	-38.19	-42.78	-2.22	41.11	-433.15	-343.88	-48.16	-185.39
		126	2.86	-37.13	-43.11	-38.11	-42.13	-2.22	29.81	-421.60	-343.85	-47.94	-170.45
		131	2.45	-28.33	-41.39	-28.71	-41.00	-2.22	49.96	-363.38	-273.88	-39.55	-170.24
		155	2.54	-28.42	-42.03	-28.79	-41.66	-2.22	62.25	-375.93	-273.90	-39.77	-185.19
84	4	155	3.35	38.61	-44.53	38.11	-44.03	-6.42	349.67	52.37	341.19	60.85	49.49
		131	3.32	39.04	-41.15	38.52	-40.64	-6.42	348.51	43.26	340.09	51.68	50.00
		151	3.32	38.99	-41.16	38.47	-40.64	-6.42	348.35	46.10	342.48	51.97	41.69
		156	3.35	38.56	-44.54	38.06	-44.04	-6.42	349.46	55.26	343.58	61.14	41.18
84	11	155	6.13	77.33	-66.88	-38.60	49.06	-57.25	-86.90	-704.91	-695.06	-96.74	-77.38
		131	6.23	90.57	-62.47	-36.71	64.82	-57.25	-85.32	-698.96	-694.26	-90.02	-53.50
		151	5.56	93.74	-52.79	-25.24	66.19	-57.25	-72.20	-586.85	-582.44	-76.61	-47.41
		156	5.46	80.81	-57.50	-27.13	50.44	-57.25	-73.36	-593.21	-583.25	-83.33	-71.29
84	13	155	2.48	-27.97	-36.66	-28.17	-36.46	-1.30	41.55	-379.92	-276.55	-61.81	-181.33
		131	2.37	-27.75	-35.18	-27.99	-34.95	-1.30	35.33	-362.36	-275.33	-51.69	-164.42
		151	1.94	-18.37	-33.92	-18.48	-33.81	-1.30	54.11	-292.45	-196.15	-42.19	-155.24
		156	2.07	-18.56	-35.42	-18.66	-35.32	-1.30	61.97	-311.65	-197.37	-52.31	-172.16
84	15	155	2.48	-27.97	-36.66	-28.17	-36.46	-1.30	41.55	-379.92	-276.55	-61.81	-181.33
		131	2.37	-27.75	-35.18	-27.99	-34.95	-1.30	35.33	-362.36	-275.33	-51.69	-164.42
		151	1.94	-18.37	-33.92	-18.48	-33.81	-1.30	54.11	-292.45	-196.15	-42.19	-155.24
		156	2.07	-18.56	-35.42	-18.66	-35.32	-1.30	61.97	-311.65	-197.37	-52.31	-172.16
85	4	156	3.33	39.43	-35.76	39.10	-35.43	-5.00	343.85	15.16	338.68	20.33	40.89
		151	3.25	39.93	-31.78	39.58	-31.43	-5.00	343.81	20.99	339.31	25.50	37.89
		162	3.15	38.44	-31.97	38.08	-31.61	-5.00	331.12	17.91	325.22	23.81	42.57
		157	3.23	37.94	-35.95	37.60	-35.61	-5.00	331.25	12.00	324.60	18.64	45.58
85	11	156	4.83	53.01	-55.91	-29.94	27.04	-46.41	-74.63	-591.13	-583.16	-82.61	-63.68
		151	4.83	61.06	-52.72	-28.74	37.07	-46.41	-65.56	-583.75	-581.40	-67.91	-34.81
		162	3.98	65.78	-41.09	-14.13	38.83	-46.41	-50.53	-447.43	-446.26	-51.69	-21.49
		157	3.99	58.12	-44.66	-15.34	28.79	-46.41	-59.86	-454.56	-448.03	-66.39	-50.35
85	14	156	1.89	16.41	-33.84	16.21	-33.63	-3.23	133.50	-26.23	123.38	-16.11	-38.91
		151	1.78	16.81	-30.62	16.59	-30.40	-3.23	133.21	-14.40	124.61	-5.80	-34.58
		162	1.89	19.38	-30.30	19.16	-30.09	-3.23	149.10	-7.54	144.92	-3.37	-25.24
		157	2.00	18.98	-33.52	18.78	-33.32	-3.23	149.06	-19.05	143.68	-13.67	-29.57
85	16	156	1.71	12.58	-33.51	12.39	-33.33	-2.94	108.38	-43.06	87.49	-22.18	-52.21
		151	1.58	12.96	-30.43	12.76	-30.23	-2.94	107.24	-29.43	88.83	-11.02	-46.65
		162	1.72	16.20	-30.02	16.01	-29.84	-2.94	124.92	-17.95	114.87	-7.90	-36.54
		157	1.83	15.82	-33.11	15.64	-32.94	-2.94	125.77	-31.30	113.53	-19.06	-42.10
86	4	157	3.22	38.70	-28.50	38.48	-28.28	-3.82	330.17	-24.55	320.57	-14.94	57.56
		162	3.11	39.15	-24.81	38.92	-24.59	-3.82	330.26	-5.76	322.59	1.90	50.17
		173	2.86	35.00	-25.33	34.76	-25.09	-3.82	302.06	-16.32	287.99	-2.25	65.44
		158	2.98	34.54	-29.01	34.31	-28.78	-3.82	302.46	-35.59	285.96	-19.10	72.83
86	8	157	4.34	45.99	-26.68	9.35	9.95	36.33	452.88	-178.29	301.87	-27.28	-269.28
		162	4.39	44.38	-28.31	9.01	7.07	36.33	471.68	-166.55	305.14	-0.01	-280.27
		173	4.10	46.58	-26.28	12.78	7.52	36.33	410.42	-162.96	253.65	-6.19	-255.56
		158	4.04	48.12	-24.59	13.12	10.41	36.33	391.22	-174.30	250.38	-33.45	-244.57
86	14	157	1.95	19.63	-27.43	19.50	-27.30	-2.48	141.28	-43.53	140.23	-42.47	-13.91
		162	1.82	20.02	-24.29	19.88	-24.15	-2.48	143.75	-23.52	142.64	-22.41	-13.63
		173	1.81	20.00	-24.30	19.86	-24.16	-2.48	144.09	-22.37	143.96	-22.25	4.56
		158	1.94	19.61	-27.44	19.48	-27.30	-2.48	141.65	-42.41	141.55	-42.31	4.27
86	16	157	1.77	16.45	-27.26	16.34	-27.14	-2.26	114.30	-51.20	110.17	-47.06	-25.83
		162	1.63	16.83	-24.21	16.70	-24.08	-2.26	116.75	-30.57	112.64	-26.46	-24.26
		173	1.65	17.50	-24.12	17.38	-24.00	-2.26	120.17	-25.79	119.96	-25.58	-5.59
		158	1.79	17.13	-27.17	17.01	-27.06	-2.26	117.80	-46.50	117.48	-46.18	-7.15
87	2	212	7.68	-16.10	-35.64	-26.05	-25.68	-9.77	127.03	-1391.82	57.57	-1322.35	-317.30
		214	7.66	63.14	-16.75	-15.54	61.93	-9.77	139.53	-1120.85	87.94	-1069.25	-249.74
		429	7.44	72.06	39.03	42.23	68.86	-9.77	404.56	-1031.58	404.27	-1031.29	-20.33
		159	8.62	33.54	-20.57	31.72	-18.75	-9.77	378.55	-1289.04	373.90	-1284.39	-87.89
87	10	212	28.60	-126.25	-320.02	-127.03	-319.24	-12.31	-689.67	-4564.16	-693.30	-4560.53	118.60
		214	18.14	-33.89	-95.66	-93.10	-36.45	-12.31	-614.35	-3934.32	-617.75	-3930.92	106.17
		429	19.77	65.31	-19.49	63.49	-17.66	-12.31	-541.05	-4072.77	-675.92	-3937.90	676.84
		159	30.10	30.01	-300.91	29.55	-300.45	-12.31	-630.79	-4688.19	-751.47	-4567.51	689.27
87	14	212	5.61	-15.89	-28.92	-21.01	-23.80	-6.36	40.63	-1027.04	9.98	-996.39	-178.28

		214	5.42	40.94	-14.08	-13.33	40.19	-6.36	59.56	-821.72	34.01	-796.16	-147.88
		429	5.22	46.43	21.99	23.78	44.64	-6.36	177.54	-780.26	176.36	-779.08	33.61
		159	6.05	17.21	-20.45	16.10	-19.34	-6.36	152.34	-979.31	152.33	-979.30	3.20
87	16	212	5.51	-17.16	-29.63	-21.40	-25.39	-5.91	19.51	-1011.23	-3.53	-988.19	-152.36
		214	5.24	37.93	-14.55	-13.88	37.26	-5.91	41.33	-806.36	20.76	-785.79	-130.45
		429	5.04	42.91	18.80	20.35	41.37	-5.91	126.45	-776.60	123.33	-773.48	53.00
		159	5.86	13.83	-22.28	12.83	-21.28	-5.91	99.94	-976.78	99.04	-975.88	31.10
88	4	159	7.91	34.29	-19.63	34.28	-19.63	0.49	497.94	-1045.14	470.01	-1017.21	-205.71
		429	7.46	58.41	43.63	43.65	58.39	0.49	487.00	-1053.94	467.89	-1034.82	-170.54
		431	7.95	58.00	40.22	40.23	57.98	0.49	653.40	-1035.91	632.55	-1015.06	-186.51
		160	8.42	30.88	-20.04	30.87	-20.04	0.49	664.24	-1027.02	634.66	-997.45	-221.68
88	10	159	24.80	42.57	-274.68	33.71	-265.81	52.28	-581.33	-3622.48	-631.99	-3571.82	389.21
		429	21.34	78.25	-79.51	58.44	-59.70	52.28	-645.84	-4053.20	-685.05	-4013.99	363.40
		431	20.36	60.79	-84.33	38.55	-62.09	52.28	-805.47	-4028.93	-805.90	-4028.50	-37.38
		160	23.88	23.19	-277.58	13.81	-268.20	52.28	-752.79	-3586.37	-752.84	-3586.32	-11.57
88	14	159	5.10	14.44	-33.56	14.40	-33.52	-1.43	188.46	-681.24	188.14	-680.93	-16.59
		429	4.31	23.54	20.29	21.15	22.69	-1.43	186.41	-716.55	184.14	-714.28	-45.26
		431	4.19	21.76	11.47	11.68	21.55	-1.43	57.12	-737.63	49.88	-730.39	-75.49
		160	4.64	4.98	-34.71	4.93	-34.66	-1.43	56.79	-699.95	53.88	-697.04	-46.82
88	15	159	2.96	-14.95	-54.83	-15.42	-54.36	-4.31	63.09	-474.26	-234.66	-176.51	267.10
		429	2.09	-11.64	-31.83	-12.60	-30.87	-4.31	-94.77	-380.19	-241.50	-233.46	142.66
		431	4.30	-27.71	-36.54	-31.16	-33.09	-4.31	-287.92	-839.57	-824.12	-303.38	91.04
		160	4.61	-33.19	-57.38	-33.98	-56.59	-4.31	-174.22	-889.49	-817.28	-246.43	215.48
89	1	160	6.28	-45.54	-91.46	-46.24	-90.76	-5.61	184.07	-1029.56	-1004.90	159.40	171.26
		431	6.39	-48.72	-115.81	-49.19	-115.34	-5.61	105.52	-1011.96	-1011.43	104.99	24.38
		434	9.06	-65.89	-118.02	-66.50	-117.41	-5.61	22.83	-1699.43	-1699.07	22.47	-24.94
		149	9.21	-62.52	-93.88	-63.56	-92.84	-5.61	85.24	-1700.90	-1692.54	76.88	121.94
89	8	160	14.52	174.18	-225.19	-7.59	-43.42	198.88	2188.93	158.43	164.17	2183.19	107.87
		431	20.37	81.41	-377.10	-33.81	-261.88	198.88	2361.41	182.64	185.25	2358.80	75.25
		434	19.99	79.45	-377.96	-36.33	-262.18	198.88	2364.05	8.95	32.52	2340.48	234.43
		149	15.37	172.67	-226.51	-10.12	-43.72	198.88	2197.48	-21.18	11.45	2164.86	267.05
89	13	160	4.83	-35.03	-70.35	-35.57	-69.82	-4.32	141.59	-791.97	-773.00	122.61	131.74
		431	4.92	-37.47	-89.08	-37.84	-88.72	-4.32	81.17	-778.43	-778.02	80.76	18.76
		434	6.97	-50.69	-90.79	-51.16	-90.32	-4.32	17.56	-1307.25	-1306.98	17.28	-19.18
		149	7.09	-48.09	-72.22	-48.89	-71.42	-4.32	65.57	-1308.39	-1301.95	59.14	93.80
89	15	160	4.83	-35.03	-70.35	-35.57	-69.82	-4.32	141.59	-791.97	-773.00	122.61	131.74
		431	4.92	-37.47	-89.08	-37.84	-88.72	-4.32	81.17	-778.43	-778.02	80.76	18.76
		434	6.97	-50.69	-90.79	-51.16	-90.32	-4.32	17.56	-1307.25	-1306.98	17.28	-19.18
		149	7.09	-48.09	-72.22	-48.89	-71.42	-4.32	65.57	-1308.39	-1301.95	59.14	93.80
90	1	149	9.18	-59.93	-96.86	-63.60	-93.19	-11.05	74.22	-1693.44	-1692.92	73.70	30.30
		434	9.08	-63.51	-115.47	-65.97	-113.00	-11.05	22.53	-1699.18	-1699.07	22.43	-13.25
		436	10.22	-70.04	-116.61	-72.83	-113.82	-11.05	-0.16	-1904.80	-1902.93	-2.03	-59.72
		119	10.32	-66.08	-98.38	-70.45	-94.01	-11.05	49.37	-1896.91	-1896.77	49.24	-16.18
90	12	149	17.29	47.78	-380.59	-4.85	-327.96	140.62	1194.91	-52.93	-28.82	1170.79	-171.78
		434	22.41	8.83	-560.69	-28.32	-523.54	140.62	1297.74	-29.96	-15.34	1283.11	-138.57
		436	21.86	7.41	-560.96	-29.82	-523.72	140.62	1302.93	138.99	140.16	1301.77	-36.77
		119	16.63	46.44	-380.94	-6.35	-328.14	140.62	1194.04	122.09	126.68	1189.45	-69.98
90	13	149	7.06	-46.10	-74.51	-48.92	-71.68	-8.50	57.09	-1302.65	-1302.25	56.69	23.30
		434	6.99	-48.85	-88.82	-50.75	-86.92	-8.50	17.33	-1307.06	-1306.98	17.25	-10.19
		436	7.87	-53.88	-89.70	-56.02	-87.56	-8.50	-0.12	-1465.23	-1463.79	-1.56	-45.94
		119	7.94	-50.83	-75.68	-54.19	-72.32	-8.50	37.98	-1459.16	-1459.06	37.87	-12.44
90	15	149	7.06	-46.10	-74.51	-48.92	-71.68	-8.50	57.09	-1302.65	-1302.25	56.69	23.30
		434	6.99	-48.85	-88.82	-50.75	-86.92	-8.50	17.33	-1307.06	-1306.98	17.25	-10.19
		436	7.87	-53.88	-89.70	-56.02	-87.56	-8.50	-0.12	-1465.23	-1463.79	-1.56	-45.94
		119	7.94	-50.83	-75.68	-54.19	-72.32	-8.50	37.98	-1459.16	-1459.06	37.87	-12.44
91	1	119	10.30	-62.63	-86.98	-68.86	-80.75	-10.63	-105.01	-1919.19	-1915.70	-108.50	-79.52
		436	10.23	-64.51	-91.83	-69.58	-86.75	-10.63	-139.38	-1921.15	-1919.59	-140.94	-52.58
		438	9.55	-60.22	-90.50	-64.57	-86.15	-10.63	-121.78	-1797.50	-1793.48	-125.80	-81.98
		125	9.63	-58.61	-85.39	-63.85	-80.14	-10.63	-86.40	-1796.55	-1789.59	-93.37	-108.91
91	10	119	12.93	12.54	-361.37	4.53	-353.36	54.15	608.62	205.82	243.22	571.22	-116.91
		436	15.75	-1.63	-464.57	-8.05	-458.15	54.15	622.74	229.06	247.23	604.58	-82.59
		438	15.44	-6.32	-465.20	-12.80	-458.72	54.15	635.88	395.86	407.88	623.86	-52.36
		125	12.61	7.88	-362.03	-0.23	-353.93	54.15	624.54	369.83	403.88	590.50	-86.67
91	13	119	7.92	-48.18	-66.91	-52.97	-62.11	-8.17	-80.78	-1476.30	-1473.62	-83.46	-61.17
		436	7.87	-49.62	-70.63	-53.52	-66.73	-8.17	-107.22	-1477.81	-1476.61	-108.41	-40.45
		438	7.35	-46.32	-69.62	-49.67	-66.27	-8.17	-93.68	-1382.69	-1379.60	-96.77	-63.06
		125	7.41	-45.08	-65.68	-49.11	-61.65	-8.17	-66.46	-1381.96	-1376.61	-71.82	-83.78
91	15	119	7.92	-48.18	-66.91	-52.97	-62.11	-8.17	-80.78	-1476.30	-1473.62	-83.46	-61.17
		436	7.87	-49.62	-70.63	-53.52	-66.73	-8.17	-107.22	-1477.81	-1476.61	-108.41	-40.45
		438	7.35	-46.32	-69.62	-49.67	-66.27	-8.17	-93.68	-1382.69	-1379.60	-96.77	-63.06
		125	7.41	-45.08	-65.68	-49.11	-61.65	-8.17	-66.46	-1381.96	-1376.61	-71.82	-83.78
92	1	125	9.64	-56.38	-72.34	-62.21	-66.51	-7.69	-175.35	-1813.31	-1800.91	-187.75	-141.95
		438	9.56	-56.40	-72.38	-62.22	-66.56	-7.69	-194.57	-1806.08	-1802.20	-198.45	-79.05
		440	7.96	-48.33	-68.79	-51.82	-65.31	-7.69	-157.28	-1513.56	-1507.72	-163.12	-88.76
		126	8.06	-48.32	-68.75	-51.81	-65.26	-7.69	-135.63	-1523.22	-1506.44	-152.41	-151.65
92	11	125	10.05	167.39	-62.19	-52.08	157.28	-47.11	-303.15	-1306.91	-1306.73	-303.34	-13.54
		438	10.69	207.48	-55.82	-47.10	198.76	-47.11	-314.93	-1308.21	-1308.13	-315.01	9.07

		440	10.02	209.20	-44.69	-35.63	200.14	-47.11	-302.31	-1202.26	-1202.25	-302.31	-1.51
		126	9.36	169.23	-51.18	-40.60	158.65	-47.11	-289.99	-1201.49	-1200.85	-290.63	-24.13
92	13	125	7.41	-43.37	-55.65	-47.86	-51.16	-5.91	-134.89	-1394.85	-1385.32	-144.42	-109.19
		438	7.35	-43.38	-55.68	-47.86	-51.20	-5.91	-149.67	-1389.30	-1386.31	-152.66	-60.81
		440	6.12	-37.18	-52.92	-39.86	-50.24	-5.91	-120.99	-1164.28	-1159.79	-125.47	-68.27
		126	6.20	-37.17	-52.88	-39.85	-50.20	-5.91	-104.33	-1171.71	-1158.80	-117.24	-116.66
92	15	125	7.41	-43.37	-55.65	-47.86	-51.16	-5.91	-134.89	-1394.85	-1385.32	-144.42	-109.19
		438	7.35	-43.38	-55.68	-47.86	-51.20	-5.91	-149.67	-1389.30	-1386.31	-152.66	-60.81
		440	6.12	-37.18	-52.92	-39.86	-50.24	-5.91	-120.99	-1164.28	-1159.79	-125.47	-68.27
		126	6.20	-37.17	-52.88	-39.85	-50.20	-5.91	-104.33	-1171.71	-1158.80	-117.24	-116.66
93	1	126	8.06	-47.27	-58.19	-50.57	-54.89	-5.01	-171.37	-1529.58	-1510.95	-190.00	-157.97
		440	7.96	-46.46	-56.82	-50.33	-52.95	-5.01	-185.67	-1515.84	-1511.01	-190.50	-80.00
		442	5.99	-36.45	-53.15	-38.12	-51.48	-5.01	-140.26	-1152.42	-1145.99	-146.70	-80.46
		131	6.13	-36.84	-54.94	-38.36	-53.43	-5.01	-121.69	-1170.43	-1145.93	-146.20	-158.42
93	11	126	8.73	115.76	-57.72	-47.03	105.08	-41.70	-187.93	-1190.31	-1188.72	-189.52	-39.91
		440	8.95	133.94	-54.47	-44.74	124.21	-41.70	-191.89	-1189.00	-1189.00	-191.89	-0.43
		442	7.91	135.90	-43.38	-33.09	125.61	-41.70	-169.70	-1004.17	-1004.16	-169.71	-2.58
		131	7.69	117.83	-46.73	-35.38	106.48	-41.70	-165.23	-1005.99	-1003.88	-167.34	-42.06
93	13	126	6.20	-36.36	-44.76	-38.90	-42.22	-3.86	-131.82	-1176.60	-1162.27	-146.15	-121.51
		440	6.12	-35.74	-43.71	-38.72	-40.73	-3.86	-142.82	-1166.03	-1162.32	-146.54	-61.54
		442	4.61	-28.04	-40.89	-29.33	-39.60	-3.86	-107.89	-886.48	-881.53	-112.84	-61.89
		131	4.71	-28.34	-42.26	-29.51	-41.10	-3.86	-93.61	-900.33	-881.48	-112.46	-121.86
93	15	126	6.20	-36.36	-44.76	-38.90	-42.22	-3.86	-131.82	-1176.60	-1162.27	-146.15	-121.51
		440	6.12	-35.74	-43.71	-38.72	-40.73	-3.86	-142.82	-1166.03	-1162.32	-146.54	-61.54
		442	4.61	-28.04	-40.89	-29.33	-39.60	-3.86	-107.89	-886.48	-881.53	-112.84	-61.89
		131	4.71	-28.34	-42.26	-29.51	-41.10	-3.86	-93.61	-900.33	-881.48	-112.46	-121.86
94	4	131	6.61	38.42	-41.88	37.32	-40.78	-9.34	1080.81	139.44	1079.80	140.45	30.82
		442	6.55	39.13	-36.55	37.96	-35.38	-9.34	1080.44	137.11	1079.51	138.04	29.66
		445	6.51	38.60	-36.62	37.43	-35.44	-9.34	1074.88	136.59	1074.08	137.39	27.48
		151	6.57	37.89	-41.95	36.78	-40.85	-9.34	1075.24	138.92	1074.37	139.80	28.64
94	11	131	7.10	77.11	-53.18	-40.44	64.37	-38.70	-124.97	-1000.60	-998.99	-126.59	-37.60
		442	7.09	84.34	-51.59	-39.49	72.25	-38.70	-125.82	-999.09	-998.92	-126.00	12.43
		445	5.82	86.72	-40.90	-27.82	73.65	-38.70	-97.64	-764.94	-764.69	-97.89	12.96
		151	5.85	79.60	-42.59	-28.77	65.77	-38.70	-96.43	-766.81	-764.76	-98.48	-37.07
94	13	131	4.69	-28.05	-35.77	-28.78	-35.04	-2.26	-107.24	-900.30	-882.94	-124.60	-116.04
		442	4.60	-27.57	-33.90	-28.53	-32.94	-2.26	-116.73	-886.45	-882.47	-120.71	-55.18
		445	3.08	-18.56	-32.18	-18.95	-31.79	-2.26	-81.35	-602.72	-597.55	-86.52	-51.65
		151	3.21	-18.86	-34.23	-19.20	-33.89	-2.26	-66.59	-621.84	-598.02	-90.41	-112.51
94	15	131	4.69	-28.05	-35.77	-28.78	-35.04	-2.26	-107.24	-900.30	-882.94	-124.60	-116.04
		442	4.60	-27.57	-33.90	-28.53	-32.94	-2.26	-116.73	-886.45	-882.47	-120.71	-55.18
		445	3.08	-18.56	-32.18	-18.95	-31.79	-2.26	-81.35	-602.72	-597.55	-86.52	-51.65
		151	3.21	-18.86	-34.23	-19.20	-33.89	-2.26	-66.59	-621.84	-598.02	-90.41	-112.51
95	4	151	6.51	38.49	-32.25	37.88	-31.64	-6.54	1071.83	112.68	1071.19	113.33	24.83
		445	6.44	39.20	-26.77	38.55	-26.12	-6.54	1071.95	116.69	1071.63	117.00	17.32
		447	6.25	37.98	-26.93	37.31	-26.26	-6.54	1036.95	112.32	1036.49	112.79	20.66
		162	6.32	37.27	-32.40	36.65	-31.78	-6.54	1036.90	108.25	1036.05	109.11	28.16
95	6	151	5.82	26.52	-108.64	20.65	-102.77	-27.55	655.01	62.10	653.12	63.99	-33.38
		445	5.64	27.73	-101.37	21.56	-95.19	-27.55	653.86	64.79	653.29	65.36	-18.31
		447	5.91	27.75	-101.36	21.58	-95.19	-27.55	724.31	73.38	723.86	73.83	-17.07
		162	6.09	26.54	-108.64	20.67	-102.77	-27.55	725.28	70.88	723.70	72.46	-32.14
95	14	151	2.88	15.70	-30.97	15.29	-30.56	-4.38	404.70	25.90	403.00	27.60	-25.32
		445	2.78	16.27	-26.59	15.82	-26.14	-4.38	403.80	32.67	403.63	32.84	-8.06
		447	3.21	19.06	-26.23	18.64	-25.80	-4.38	484.42	42.51	484.40	42.54	-3.31
		162	3.30	18.50	-30.61	18.10	-30.22	-4.38	484.71	36.35	483.77	37.29	-20.56
95	15	151	3.16	-18.49	-29.06	-18.61	-28.94	-1.13	-81.47	-618.81	-599.29	-100.99	-100.54
		445	3.07	-18.12	-26.33	-18.28	-26.17	-1.13	-89.21	-602.56	-598.38	-93.39	-46.15
		447	1.74	-9.30	-25.18	-9.38	-25.10	-1.13	-57.45	-349.12	-343.74	-62.84	-39.27
		162	1.91	-9.64	-27.94	-9.71	-27.87	-1.13	-41.49	-373.58	-344.65	-70.43	-93.66
96	4	162	6.28	37.81	-25.07	37.49	-24.76	-4.42	1034.77	85.85	1033.42	87.20	35.76
		447	6.20	38.48	-19.67	38.14	-19.33	-4.42	1034.84	96.93	1034.61	97.16	14.74
		449	5.65	35.02	-20.10	34.67	-19.75	-4.42	936.88	84.69	936.22	85.36	23.77
		173	5.74	34.34	-25.50	34.01	-25.17	-4.42	937.35	73.07	935.02	75.39	44.79
96	10	162	5.57	31.76	-74.68	25.29	-68.21	25.44	725.73	32.89	725.42	33.20	14.66
		447	5.49	32.40	-71.25	25.73	-64.57	25.44	727.34	42.92	726.67	43.60	21.50
		449	5.63	31.80	-71.36	25.09	-64.65	25.44	760.04	46.10	758.70	47.44	30.92
		173	5.71	31.16	-74.79	24.65	-68.28	25.44	758.26	36.24	757.45	37.04	24.08
96	14	162	3.25	19.01	-24.48	18.82	-24.28	-2.90	481.66	18.08	481.48	18.26	-8.96
		447	3.15	19.60	-19.79	19.38	-19.58	-2.90	482.86	29.12	482.80	29.18	-5.34
		449	3.24	20.16	-19.72	19.95	-19.51	-2.90	499.78	31.17	499.74	31.22	4.57
		173	3.33	19.58	-24.40	19.39	-24.21	-2.90	498.43	20.29	498.43	20.29	0.95
96	16	162	2.76	15.88	-24.38	15.70	-24.20	-2.65	390.20	6.06	389.50	6.76	-16.41
		447	2.66	16.45	-19.82	16.25	-19.62	-2.65	391.03	17.65	390.83	17.85	-8.69
		449	2.84	17.69	-19.66	17.50	-19.47	-2.65	427.00	22.19	426.99	22.19	1.36
		173	2.94	17.12	-24.22	16.95	-24.05	-2.65	425.76	11.01	425.66	11.10	-6.36
97	2	183	2.57	25.69	-24.78	25.62	-24.70	-1.93	249.18	-70.08	225.20	-46.10	-84.14
		193	2.45	25.85	-23.53	25.77	-23.45	-1.93	249.65	-40.51	228.42	-19.28	-75.56
		417	2.71	31.83	-22.80	31.76	-22.74	-1.93	277.61	-23.44	268.61	-14.45	-51.25

		406	2.82	31.68	-24.05	31.61	-23.99	-1.93	276.65	-52.54	265.39	-41.28	-59.83
97	7	183	3.71	34.36	-56.89	21.23	-43.75	-32.04	319.37	-35.88	306.48	-22.98	-66.44
		193	3.67	34.15	-57.63	21.12	-44.60	-32.04	321.36	-17.10	308.70	-4.44	-64.21
		417	3.67	36.27	-57.05	23.54	-44.31	-32.04	325.95	-10.02	319.12	-3.19	-47.41
		406	3.72	36.48	-56.30	23.64	-43.46	-32.04	324.02	-28.86	316.90	-21.73	-49.63
97	14	183	1.62	15.38	-19.23	15.34	-19.19	-1.15	136.13	-50.09	126.71	-40.67	-40.80
		193	1.53	15.52	-18.09	15.48	-18.05	-1.15	138.13	-29.20	129.17	-20.24	-37.67
		417	1.63	18.54	-17.72	18.51	-17.69	-1.15	146.08	-20.70	143.85	-18.48	-19.14
		406	1.72	18.41	-18.87	18.37	-18.83	-1.15	144.11	-41.62	141.40	-38.91	-22.28
97	16	183	1.49	13.65	-19.30	13.62	-19.27	-1.02	114.65	-48.98	108.39	-42.73	-31.38
		193	1.39	13.80	-18.09	13.77	-18.06	-1.02	117.12	-28.66	110.83	-22.37	-29.61
		417	1.46	16.20	-17.80	16.17	-17.77	-1.02	120.00	-22.26	119.12	-21.38	-11.16
		406	1.55	16.06	-19.01	16.03	-18.98	-1.02	117.72	-42.78	116.67	-41.73	-12.93
98	4	193	4.63	26.36	-18.10	26.23	-17.97	-2.40	761.78	49.35	756.50	54.63	-61.12
		345	4.55	26.58	-16.27	26.45	-16.13	-2.40	758.53	64.61	757.78	65.36	-22.81
		428	5.57	34.06	-15.35	33.94	-15.23	-2.40	937.35	86.68	937.15	86.88	-13.09
		417	5.63	33.83	-17.19	33.72	-17.07	-2.40	938.93	73.09	935.86	76.16	-51.40
98	7	193	5.04	31.33	-53.26	22.51	-44.44	-25.85	718.02	41.62	715.29	44.35	-42.87
		345	4.95	31.83	-51.15	22.79	-42.11	-25.85	718.00	52.74	716.48	54.26	-31.77
		428	5.24	35.31	-50.33	26.63	-41.65	-25.85	769.18	59.77	768.45	60.50	-22.78
		417	5.33	34.83	-52.46	26.35	-43.98	-25.85	768.86	48.99	767.26	50.59	-33.88
98	14	193	2.83	15.80	-18.09	15.74	-18.02	-1.49	434.76	14.60	433.12	16.24	-26.18
		345	2.76	16.08	-15.81	16.01	-15.74	-1.49	434.77	26.58	434.41	26.94	-12.24
		428	3.15	19.71	-15.37	19.65	-15.31	-1.49	499.65	34.76	499.64	34.77	-2.54
		417	3.21	19.43	-17.64	19.37	-17.58	-1.49	498.93	23.49	498.35	24.06	-16.47
98	16	193	2.53	14.04	-18.08	13.99	-18.03	-1.34	380.34	8.72	379.23	9.84	-20.35
		345	2.47	14.33	-15.74	14.27	-15.68	-1.34	380.82	20.24	380.51	20.54	-10.48
		428	2.75	17.32	-15.37	17.27	-15.32	-1.34	426.72	26.08	426.72	26.09	-0.78
		417	2.81	17.03	-17.72	16.98	-17.67	-1.34	425.71	15.10	425.44	15.38	-10.65
99	2	228	8.05	6.85	-78.47	-58.72	-12.90	35.98	1369.01	-220.99	-94.48	1242.49	-430.29
		386	8.05	6.85	-78.47	-58.72	-12.90	35.98	1369.01	-220.99	-94.48	1242.49	-430.29
		227	8.05	6.85	-78.47	-58.72	-12.90	35.98	1369.01	-220.99	-94.48	1242.49	-430.29
99	5	228	64.81	19.54	-353.84	8.67	-342.97	62.77	1.228e+04	1267.46	5345.70	8203.33	-5318.47
		386	64.81	19.54	-353.84	8.67	-342.97	62.77	1.228e+04	1267.46	5345.70	8203.33	-5318.47
		227	64.81	19.54	-353.84	8.67	-342.97	62.77	1.228e+04	1267.46	5345.70	8203.33	-5318.47
99	14	228	5.99	2.36	-69.20	-50.50	-16.33	31.44	965.76	-197.09	-121.59	890.25	-286.53
		386	5.99	2.36	-69.20	-50.50	-16.33	31.44	965.76	-197.09	-121.59	890.25	-286.53
		227	5.99	2.36	-69.20	-50.50	-16.33	31.44	965.76	-197.09	-121.59	890.25	-286.53
99	16	228	5.90	1.26	-72.72	-52.60	-18.86	32.92	931.90	-208.32	-140.86	864.44	-269.02
		386	5.90	1.26	-72.72	-52.60	-18.86	32.92	931.90	-208.32	-140.86	864.44	-269.02
		227	5.90	1.26	-72.72	-52.60	-18.86	32.92	931.90	-208.32	-140.86	864.44	-269.02
100	2	227	8.83	11.20	-45.41	4.01	-38.22	-18.85	1729.51	188.44	1241.96	676.00	716.69
		386	8.83	11.20	-45.41	4.01	-38.22	-18.85	1729.51	188.44	1241.96	676.00	716.69
		238	8.83	11.20	-45.41	4.01	-38.22	-18.85	1729.51	188.44	1241.96	676.00	716.69
100	5	227	57.88	86.98	-245.19	-244.54	86.33	-14.68	1.154e+04	931.24	7066.38	5408.22	5240.89
		386	57.88	86.98	-245.19	-244.54	86.33	-14.68	1.154e+04	931.24	7066.38	5408.22	5240.89
		238	57.88	86.98	-245.19	-244.54	86.33	-14.68	1.154e+04	931.24	7066.38	5408.22	5240.89
100	14	227	6.60	5.14	-45.38	-4.18	-36.06	-19.60	1222.68	131.23	892.36	461.54	501.41
		386	6.60	5.14	-45.38	-4.18	-36.06	-19.60	1222.68	131.23	892.36	461.54	501.41
		238	6.60	5.14	-45.38	-4.18	-36.06	-19.60	1222.68	131.23	892.36	461.54	501.41
100	16	227	6.52	3.91	-49.64	-7.05	-38.68	-21.61	1180.39	125.67	867.55	438.51	481.76
		386	6.52	3.91	-49.64	-7.05	-38.68	-21.61	1180.39	125.67	867.55	438.51	481.76
		238	6.52	3.91	-49.64	-7.05	-38.68	-21.61	1180.39	125.67	867.55	438.51	481.76
101	4	174	9.62	255.83	10.96	255.70	11.09	5.65	-9.86	-509.32	-508.67	-10.51	18.03
		172	9.62	255.95	11.98	255.82	12.11	5.65	-14.52	-518.30	-510.13	-22.70	-63.65
		567	12.21	339.58	22.10	339.47	22.20	5.65	-23.45	-592.90	-584.15	-32.21	-70.07
		574	12.22	339.44	20.97	339.34	21.07	5.65	-18.03	-583.25	-582.53	-18.75	20.18
101	10	174	19.40	-18.25	-420.16	-419.11	-19.30	20.50	1579.26	34.49	1573.41	40.34	-94.87
		172	19.32	-16.79	-419.98	-418.94	-17.84	20.50	1592.19	34.98	1574.85	52.33	163.43
		567	24.47	-35.09	-570.65	-569.87	-35.87	20.50	1827.12	62.65	1808.75	81.02	179.07
		574	24.54	-36.70	-570.85	-570.06	-37.49	20.50	1813.64	61.30	1807.16	67.77	-106.32
101	13	174	6.85	-3.34	-73.34	-73.31	-3.37	-1.40	1003.16	41.53	1000.97	43.72	-45.84
		172	6.88	-2.73	-73.26	-73.23	-2.75	-1.40	1008.36	46.03	1002.01	52.39	77.96
		567	7.53	-3.28	-78.16	-78.14	-3.31	-1.40	1121.14	59.28	1114.13	66.29	85.97
		574	7.51	-3.97	-78.25	-78.22	-3.99	-1.40	1115.42	54.27	1112.98	56.71	-50.81
101	15	174	6.85	-3.34	-73.34	-73.31	-3.37	-1.40	1003.16	41.53	1000.97	43.72	-45.84
		172	6.88	-2.73	-73.26	-73.23	-2.75	-1.40	1008.36	46.03	1002.01	52.39	77.96
		567	7.53	-3.28	-78.16	-78.14	-3.31	-1.40	1121.14	59.28	1114.13	66.29	85.97
		574	7.51	-3.97	-78.25	-78.22	-3.99	-1.40	1115.42	54.27	1112.98	56.71	-50.81
102	4	396	7.01	209.15	7.84	208.06	8.93	14.77	-19.15	-258.44	-235.53	-42.06	-70.41
		174	7.07	209.40	9.84	208.30	10.94	14.77	23.96	-253.62	-230.40	0.73	-76.86
		574	9.11	285.29	19.37	284.46	20.19	14.77	21.17	-254.87	-235.97	2.27	-69.70
		179	9.05	285.01	17.15	284.20	17.96	14.77	-26.78	-259.86	-241.64	-45.00	-62.57
102	7	396	20.88	706.20	28.59	698.07	36.72	-73.76	9.42	-221.70	-215.60	3.32	37.05
		174	20.85	705.01	19.55	696.97	27.59	-73.76	19.58	-225.72	-214.94	8.81	-50.26
		574	26.97	918.57	46.66	912.28	52.95	-73.76	9.19	-303.52	-293.95	-0.39	-53.88
		179	26.97	919.84	56.69	913.49	63.05	-73.76	-0.29	-300.84	-294.68	-6.46	42.59

102	13	396	4.88	-1.91	-67.64	-67.57	-1.99	-2.24	646.83	83.25	643.94	86.14	40.28
		174	5.02	-3.26	-67.81	-67.73	-3.34	-2.24	644.32	5.79	635.37	14.74	75.08
		574	5.20	-3.54	-69.54	-69.46	-3.62	-2.24	672.73	8.48	666.43	14.78	64.39
		179	5.06	-2.05	-69.36	-69.28	-2.13	-2.24	677.05	92.51	675.89	93.66	25.94
102	15	396	4.88	-1.91	-67.64	-67.57	-1.99	-2.24	646.83	83.25	643.94	86.14	40.28
		174	5.02	-3.26	-67.81	-67.73	-3.34	-2.24	644.32	5.79	635.37	14.74	75.08
		574	5.20	-3.54	-69.54	-69.46	-3.62	-2.24	672.73	8.48	666.43	14.78	64.39
		179	5.06	-2.05	-69.36	-69.28	-2.13	-2.24	677.05	92.51	675.89	93.66	25.94
103	4	335	4.76	142.55	0.82	139.31	4.07	21.20	155.12	16.84	155.06	16.89	-2.68
		396	4.83	143.14	4.89	139.81	8.22	21.20	154.96	-19.36	151.17	-15.57	25.42
		179	6.26	193.02	12.00	190.50	14.52	21.20	178.73	-16.55	176.40	-14.22	21.20
		181	6.20	192.41	7.47	189.95	9.93	21.20	181.31	21.04	180.71	21.64	-9.85
103	7	335	23.11	810.89	27.76	805.39	33.26	-65.41	38.08	-130.61	-87.01	-5.52	-73.85
		396	23.05	812.16	37.79	806.60	43.36	-65.41	40.71	-116.98	-85.26	8.99	-63.21
		179	34.81	1250.11	92.95	1246.40	96.66	-65.41	41.72	-106.35	-75.54	10.91	-60.11
		181	34.88	1248.74	81.82	1245.06	85.50	-65.41	39.15	-121.75	-77.47	-5.13	-71.86
103	14	335	2.26	60.95	-1.20	59.10	0.66	10.57	125.58	20.25	122.43	23.39	-17.92
		396	2.27	61.48	2.27	59.53	4.22	10.57	120.32	-1.96	119.49	-1.13	-10.03
		179	3.21	95.02	7.22	93.73	8.51	10.57	127.98	-3.05	126.49	-1.56	-13.91
		181	3.20	94.49	3.33	93.25	4.57	10.57	134.44	20.83	129.74	25.54	-22.64
103	16	335	1.84	47.37	-1.55	45.73	0.09	8.79	121.32	20.15	117.00	24.48	-20.46
		396	1.85	47.89	1.81	46.15	3.56	8.79	116.42	-0.93	114.21	1.27	-15.93
		179	2.71	78.68	6.42	77.60	7.51	8.79	121.40	-2.68	118.17	0.55	-19.76
		181	2.70	78.17	2.64	77.14	3.68	8.79	127.31	20.12	121.24	26.19	-24.77
104	1	335	4.06	-5.40	-78.92	-6.09	-78.23	-7.10	21.12	-477.33	-80.38	-375.83	200.73
		181	4.13	-4.14	-69.07	-4.93	-68.28	-7.10	21.25	-550.22	-95.03	-433.93	230.07
		185	4.21	-3.45	-68.98	-4.22	-68.20	-7.10	117.42	-462.57	69.09	-414.23	160.30
		387	4.16	-4.76	-78.84	-5.45	-78.15	-7.10	108.71	-398.56	68.16	-358.01	137.58
104	5	335	34.61	-28.88	-1171.78	-35.53	-1165.13	-86.92	7.01	-416.09	-45.19	-363.89	139.15
		181	42.78	-62.72	-1466.83	-68.13	-1461.43	-86.92	4.67	-463.14	-54.04	-404.42	154.98
		185	42.35	-125.75	-1474.65	-131.38	-1469.03	-86.92	56.14	-419.20	31.15	-394.20	106.10
		387	34.22	-85.82	-1178.95	-92.78	-1172.00	-86.92	53.95	-376.68	31.91	-354.64	94.91
104	13	335	3.12	-4.15	-60.71	-4.68	-60.17	-5.46	16.24	-367.18	-61.83	-289.10	154.40
		181	3.18	-3.19	-53.13	-3.79	-52.52	-5.46	16.35	-423.24	-73.10	-333.79	176.98
		185	3.24	-2.65	-53.06	-3.25	-52.46	-5.46	90.32	-355.82	53.14	-318.64	123.31
		387	3.20	-3.66	-60.64	-4.19	-60.11	-5.46	83.63	-306.59	52.43	-275.39	105.83
104	15	335	3.12	-4.15	-60.71	-4.68	-60.17	-5.46	16.24	-367.18	-61.83	-289.10	154.40
		181	3.18	-3.19	-53.13	-3.79	-52.52	-5.46	16.35	-423.24	-73.10	-333.79	176.98
		185	3.24	-2.65	-53.06	-3.25	-52.46	-5.46	90.32	-355.82	53.14	-318.64	123.31
		387	3.20	-3.66	-60.64	-4.19	-60.11	-5.46	83.63	-306.59	52.43	-275.39	105.83
105	2	605	1.84	9.70	-8.36	9.69	-8.35	0.56	-43.42	-318.44	-316.15	-45.70	24.98
		459	1.89	9.71	-8.31	9.69	-8.29	0.56	-37.09	-332.08	-316.94	-52.23	65.10
		457	0.89	1.89	-9.26	1.86	-9.23	0.56	-2.10	-156.65	-129.06	-29.69	59.19
		526	0.78	1.88	-9.31	1.85	-9.29	0.56	-19.81	-131.63	-128.28	-23.16	19.06
105	11	605	3.00	19.22	-8.79	16.36	-5.92	-8.49	-68.81	-521.20	-519.23	-70.78	29.81
		459	3.05	18.77	-10.81	16.09	-8.13	-8.49	-68.33	-524.20	-519.50	-73.03	46.05
		457	2.61	15.27	-11.61	12.24	-8.59	-8.49	-58.88	-448.54	-443.50	-63.91	44.00
		526	2.56	15.76	-9.64	12.51	-6.39	-8.49	-59.65	-445.24	-443.23	-61.66	27.77
105	14	605	1.14	6.00	-6.40	5.98	-6.39	0.39	-26.12	-192.62	-191.29	-27.44	14.79
		459	1.17	6.00	-6.40	5.98	-6.38	0.39	-22.29	-200.66	-191.75	-31.21	38.87
		457	0.56	1.14	-6.99	1.13	-6.97	0.39	-1.46	-95.22	-79.00	-17.68	35.46
		526	0.50	1.14	-6.99	1.12	-6.97	0.39	-11.97	-80.50	-78.55	-13.91	11.38
105	16	605	1.03	5.42	-6.39	5.40	-6.38	0.37	-23.25	-172.00	-170.85	-24.40	13.05
		459	1.05	5.42	-6.40	5.40	-6.39	0.37	-19.83	-179.08	-171.24	-27.67	34.46
		457	0.51	1.02	-6.93	1.01	-6.91	0.37	-1.40	-85.26	-71.02	-15.65	31.49
		526	0.46	1.02	-6.92	1.01	-6.91	0.37	-10.68	-72.32	-70.62	-12.37	10.09
106	2	459	1.18	10.35	-8.24	10.32	-8.21	0.71	28.90	-173.69	-116.60	-28.19	91.15
		609	1.22	10.32	-8.44	10.30	-8.41	0.71	28.02	-189.96	-118.43	-43.50	102.35
		463	0.88	1.88	-9.47	1.84	-9.42	0.71	38.03	-141.23	-65.99	-37.21	88.47
		457	0.78	1.91	-9.27	1.86	-9.23	0.71	37.08	-123.14	-64.16	-21.90	77.27
106	9	459	2.17	21.39	-15.40	12.02	-6.04	-16.03	-33.90	-299.12	-277.29	-55.73	72.89
		609	2.19	21.33	-15.54	12.00	-6.21	-16.03	-33.77	-300.70	-277.45	-57.02	75.27
		463	2.05	17.95	-17.15	7.54	-6.74	-16.03	-32.22	-289.76	-266.30	-55.68	74.10
		457	2.04	18.01	-17.02	7.56	-6.57	-16.03	-32.39	-288.15	-266.14	-54.39	71.72
106	14	459	0.73	6.42	-6.35	6.40	-6.33	0.52	17.13	-103.83	-70.09	-16.61	54.25
		609	0.75	6.40	-6.53	6.38	-6.51	0.52	16.78	-113.31	-71.14	-25.39	60.89
		463	0.55	1.16	-7.17	1.13	-7.14	0.52	22.89	-84.57	-40.03	-21.65	52.94
		457	0.48	1.19	-7.00	1.15	-6.96	0.52	22.17	-74.02	-38.97	-12.88	46.29
106	16	459	0.66	5.82	-6.36	5.80	-6.34	0.51	15.12	-92.10	-62.37	-14.61	48.00
		609	0.67	5.80	-6.55	5.78	-6.53	0.51	14.91	-100.39	-63.28	-22.21	53.87
		463	0.49	1.05	-7.13	1.02	-7.10	0.51	20.38	-75.09	-35.80	-18.91	46.98
		457	0.44	1.08	-6.94	1.04	-6.91	0.51	19.67	-65.87	-34.89	-11.31	41.11
107	2	609	1.20	10.91	-8.36	10.88	-8.34	0.70	119.79	-99.85	43.95	-24.01	104.43
		167	1.19	10.87	-8.64	10.85	-8.62	0.70	105.53	-104.19	41.96	-40.62	96.39
		467	0.90	1.99	-9.73	1.95	-9.68	0.70	64.59	-105.43	4.30	-45.14	81.33
		463	0.92	2.03	-9.45	1.98	-9.41	0.70	79.94	-102.18	6.30	-28.53	89.38
107	12	609	2.09	17.17	-20.65	3.09	-6.57	18.28	288.51	-3.04	272.54	12.93	66.34

		167	2.10	16.64	-21.45	2.95	-7.76	18.28	283.51	-15.88	270.63	-2.99	60.75
		467	1.84	13.53	-23.61	-1.76	-8.33	18.28	252.73	-14.42	244.44	-6.14	46.31
		463	1.83	14.11	-22.86	-1.61	-7.14	18.28	257.24	-1.10	246.36	9.79	51.91
107	14	609	0.75	6.80	-6.48	6.78	-6.46	0.52	71.85	-58.69	26.80	-13.63	62.06
		167	0.74	6.78	-6.71	6.76	-6.69	0.52	63.46	-60.92	25.66	-23.12	57.20
		467	0.57	1.25	-7.38	1.22	-7.35	0.52	39.23	-62.15	2.94	-25.85	48.60
		463	0.57	1.28	-7.16	1.25	-7.13	0.52	48.28	-60.57	4.08	-16.36	53.46
107	16	609	0.68	6.18	-6.50	6.16	-6.48	0.51	63.86	-51.55	24.04	-11.73	54.86
		167	0.68	6.15	-6.73	6.13	-6.71	0.51	56.48	-53.35	23.05	-19.92	50.53
		467	0.52	1.14	-7.35	1.11	-7.32	0.51	35.12	-54.68	2.79	-22.36	43.10
		463	0.52	1.17	-7.11	1.14	-7.08	0.51	43.08	-53.46	3.78	-14.16	47.43
108	2	167	1.50	11.30	-8.58	11.28	-8.57	0.51	186.89	-57.90	155.94	-26.94	81.36
		171	1.46	11.27	-8.80	11.26	-8.79	0.51	172.76	-57.42	154.48	-39.13	62.25
		471	0.91	2.12	-9.91	2.10	-9.89	0.51	84.54	-69.37	65.04	-49.87	51.20
		467	0.96	2.15	-9.69	2.12	-9.66	0.51	101.91	-73.09	66.50	-37.68	70.31
108	8	167	2.38	17.74	-15.40	14.47	-12.14	9.88	366.82	37.59	365.47	38.94	21.01
		171	2.40	17.54	-16.31	14.35	-13.13	9.88	365.41	30.22	364.53	31.10	17.15
		471	2.20	13.78	-17.19	10.22	-13.63	9.88	346.76	28.62	346.45	28.93	10.04
		467	2.18	14.00	-16.30	10.34	-12.63	9.88	348.01	36.15	347.39	36.77	13.91
108	14	167	0.93	7.07	-6.66	7.06	-6.65	0.37	112.34	-33.22	94.05	-14.92	48.26
		171	0.91	7.04	-6.84	7.03	-6.83	0.37	104.01	-32.65	93.21	-21.86	36.86
		471	0.58	1.35	-7.53	1.33	-7.51	0.37	51.58	-39.96	39.88	-28.26	30.57
		467	0.61	1.37	-7.35	1.35	-7.34	0.37	61.88	-42.49	40.71	-21.32	41.97
108	16	167	0.84	6.43	-6.69	6.42	-6.68	0.37	99.97	-28.76	83.84	-12.63	42.61
		171	0.83	6.41	-6.87	6.40	-6.86	0.37	92.63	-28.12	83.12	-18.61	32.52
		471	0.54	1.24	-7.49	1.22	-7.48	0.37	46.29	-34.69	35.88	-24.28	27.10
		467	0.56	1.26	-7.32	1.24	-7.30	0.37	55.37	-37.08	36.60	-18.30	37.19
109	2	171	1.65	11.48	-8.76	11.48	-8.76	0.18	219.05	-37.77	213.35	-32.07	37.84
		184	1.63	11.47	-8.85	11.47	-8.84	0.18	213.57	-37.23	212.82	-36.48	13.68
		476	0.94	2.20	-9.96	2.20	-9.96	0.18	100.35	-50.67	99.73	-50.05	9.68
		471	0.96	2.21	-9.88	2.21	-9.87	0.18	107.73	-53.10	100.26	-45.64	33.84
109	8	171	2.67	17.19	-14.40	15.75	-12.96	6.58	427.11	38.35	426.87	38.58	9.55
		184	2.67	17.10	-14.92	15.69	-13.50	6.58	426.63	36.27	426.60	36.31	3.60
		476	2.44	13.34	-15.56	11.76	-13.97	6.58	398.76	32.96	398.75	32.97	1.53
		471	2.44	13.43	-15.05	11.82	-13.43	6.58	399.18	35.09	399.03	35.24	7.48
109	14	171	1.02	7.19	-6.81	7.19	-6.81	0.14	131.79	-21.00	128.42	-17.63	22.43
		184	1.02	7.19	-6.88	7.18	-6.88	0.14	128.56	-20.58	128.12	-20.14	8.07
		476	0.60	1.40	-7.57	1.40	-7.57	0.14	61.30	-28.58	60.92	-28.20	5.80
		471	0.62	1.41	-7.51	1.41	-7.50	0.14	65.67	-30.14	61.22	-25.70	20.16
109	16	171	0.93	6.55	-6.84	6.55	-6.84	0.13	117.33	-17.83	114.36	-14.86	19.80
		184	0.92	6.54	-6.90	6.54	-6.90	0.13	114.49	-17.40	114.10	-17.02	7.11
		476	0.56	1.29	-7.54	1.29	-7.53	0.13	55.04	-24.48	54.70	-24.14	5.16
		471	0.57	1.30	-7.47	1.30	-7.47	0.13	58.90	-25.92	54.96	-21.99	17.84
110	2	184	1.63	11.47	-8.85	11.47	-8.84	-0.18	213.57	-37.23	212.82	-36.48	-13.68
		410	1.65	11.48	-8.76	11.48	-8.76	-0.18	219.05	-37.77	213.35	-32.07	-37.84
		480	0.96	2.21	-9.88	2.21	-9.87	-0.18	107.73	-53.10	100.26	-45.64	-33.84
		476	0.94	2.20	-9.96	2.20	-9.96	-0.18	100.35	-50.67	99.73	-50.05	-9.68
110	7	184	2.67	17.10	-14.92	15.69	-13.50	-6.58	426.63	36.27	426.60	36.31	-3.60
		410	2.67	17.19	-14.40	15.75	-12.96	-6.58	427.11	38.35	426.87	38.58	-9.55
		480	2.44	13.43	-15.05	11.82	-13.43	-6.58	399.18	35.09	399.03	35.24	-7.48
		476	2.44	13.34	-15.56	11.76	-13.97	-6.58	398.76	32.96	398.75	32.97	-1.53
110	14	184	1.02	7.19	-6.88	7.18	-6.88	-0.14	128.56	-20.58	128.12	-20.14	-8.07
		410	1.02	7.19	-6.81	7.19	-6.81	-0.14	131.79	-21.00	128.42	-17.63	-22.43
		480	0.62	1.41	-7.51	1.41	-7.50	-0.14	65.67	-30.14	61.22	-25.70	-20.16
		476	0.60	1.40	-7.57	1.40	-7.57	-0.14	61.30	-28.58	60.92	-28.20	-5.80
110	16	184	0.92	6.54	-6.90	6.54	-6.90	-0.13	114.49	-17.40	114.10	-17.02	-7.11
		410	0.93	6.55	-6.84	6.55	-6.84	-0.13	117.33	-17.83	114.36	-14.86	-19.80
		480	0.57	1.30	-7.47	1.30	-7.47	-0.13	58.90	-25.92	54.96	-21.99	-17.84
		476	0.56	1.29	-7.54	1.29	-7.53	-0.13	55.04	-24.48	54.70	-24.14	-5.16
111	2	387	6.18	15.57	-188.28	-15.38	-157.33	-73.15	165.14	-0.48	0.64	164.02	-13.58
		185	8.64	-7.69	-281.52	-28.86	-260.34	-73.15	159.90	-3.32	-3.31	159.89	-1.65
		572	8.71	14.79	-277.11	-4.87	-257.46	-73.15	169.13	70.13	70.51	168.75	-6.19
		367	6.24	34.60	-182.99	6.34	-154.72	-73.15	174.95	64.55	67.46	172.04	-17.68
111	5	387	41.85	-83.41	-1429.98	-103.79	-1409.59	-164.43	-10.33	-574.18	-61.24	-523.27	161.60
		185	60.11	-176.20	-2101.00	-190.35	-2086.85	-164.43	-17.32	-618.45	-67.13	-568.64	165.71
		572	61.23	-63.97	-2086.77	-77.43	-2073.31	-164.43	-34.90	-590.40	-57.79	-567.52	110.40
		367	42.94	17.52	-1416.45	-1.59	-1397.34	-164.43	-27.64	-547.41	-52.79	-522.26	111.54
111	14	387	4.36	7.41	-133.03	-10.25	-115.37	-46.56	74.00	-37.81	-10.62	46.82	47.97
		185	5.74	-5.88	-190.80	-18.46	-178.22	-46.56	66.58	-54.12	-15.11	27.57	56.46
		572	5.70	7.67	-188.27	-4.10	-176.50	-46.56	65.62	-0.98	31.49	33.16	33.29
		367	4.30	19.06	-130.13	2.75	-113.82	-46.56	70.56	12.87	31.55	51.88	27.00
111	16	387	4.21	5.74	-128.51	-9.62	-113.15	-42.73	72.88	-72.32	-15.00	15.56	70.97
		185	5.39	-5.83	-180.70	-16.99	-169.54	-42.73	64.32	-94.39	-20.06	-10.02	79.20
		572	5.30	6.24	-178.49	-4.24	-168.01	-42.73	58.99	-41.38	22.52	-4.91	48.28
		367	4.10	16.18	-126.04	1.91	-111.77	-42.73	64.88	-21.16	23.54	20.18	42.99
112	2	367	9.75	5.70	-324.73	5.70	-324.73	-0.46	81.98	-124.98	20.50	-63.51	94.57
		572	13.39	-7.96	-454.84	-7.96	-454.84	-0.46	76.12	-149.77	16.27	-89.92	99.69

		375	13.01	-49.79	-459.86	-49.79	-459.86	-0.46	68.34	-116.59	38.95	-87.20	67.61
		344	9.38	-32.16	-329.27	-32.16	-329.27	-0.46	73.06	-93.08	41.02	-61.05	65.54
112	9	367	48.58	2.88	-1593.16	2.81	-1593.09	10.82	-133.50	-686.10	-135.73	-683.88	-35.00
		572	64.36	-60.40	-2180.87	-60.45	-2180.82	10.82	-139.40	-657.57	-139.69	-657.28	-12.32
		375	63.15	-215.68	-2199.52	-215.74	-2199.46	10.82	14.03	-639.60	13.34	-638.92	21.21
		344	47.43	-137.65	-1610.03	-137.73	-1609.95	10.82	2.81	-667.29	2.78	-667.26	-4.65
112	14	367	7.01	2.24	-225.78	2.20	-225.74	-3.24	21.21	-147.27	-13.48	-112.58	68.12
		572	9.31	-6.60	-309.66	-6.64	-309.62	-3.24	23.38	-159.60	-16.39	-119.82	75.47
		375	9.13	-33.00	-312.83	-33.03	-312.79	-3.24	53.96	-141.16	27.37	-114.57	66.94
		344	6.84	-21.64	-228.65	-21.70	-228.60	-3.24	49.35	-131.04	26.14	-107.82	60.40
112	16	367	6.82	1.42	-216.35	1.33	-216.26	-4.38	5.67	-168.35	-25.00	-137.68	66.30
		572	8.93	-6.77	-293.83	-6.84	-293.77	-4.38	9.82	-177.37	-27.78	-139.78	75.00
		375	8.78	-30.89	-296.73	-30.96	-296.66	-4.38	54.58	-161.50	26.36	-133.28	72.82
		344	6.69	-20.40	-218.98	-20.50	-218.88	-4.38	47.13	-154.93	24.00	-131.80	64.33
113	2	186	17.36	-56.33	-571.93	-60.11	-568.14	43.99	-0.12	-477.54	-62.27	-415.38	-160.65
		188	11.57	-28.82	-374.07	-34.52	-368.37	43.99	11.66	-375.49	-45.37	-318.45	-137.22
		385	12.16	2.02	-369.90	-3.26	-364.62	43.99	59.13	-308.83	56.52	-306.23	-30.85
		484	17.94	-22.00	-567.57	-25.57	-564.00	43.99	54.39	-405.95	50.31	-401.87	-43.13
113	11	186	75.70	-237.44	-2528.46	-246.69	-2519.22	145.26	-93.32	-1422.02	-99.42	-1415.91	-89.83
		188	53.19	-131.19	-1729.76	-144.50	-1716.45	145.26	-67.94	-1200.43	-73.47	-1194.89	-78.97
		385	54.55	-18.68	-1715.38	-31.20	-1702.86	145.26	-60.53	-1220.27	-84.58	-1196.23	165.26
		484	77.05	-112.69	-2513.02	-121.51	-2504.19	145.26	-87.33	-1441.75	-111.69	-1417.39	180.01
113	14	186	12.40	-38.15	-402.51	-41.00	-399.66	32.12	-5.35	-373.85	-50.03	-329.16	-120.29
		188	8.41	-19.24	-266.67	-23.48	-262.43	32.12	2.74	-302.41	-38.27	-261.40	-104.08
		385	8.80	0.88	-263.94	-3.07	-259.98	32.12	34.99	-256.04	31.92	-252.98	-29.72
		484	12.78	-15.75	-399.66	-18.46	-396.95	32.12	31.66	-323.99	27.53	-319.86	-38.12
113	16	186	12.02	-36.10	-387.77	-38.94	-384.93	31.44	-7.38	-376.45	-50.87	-332.96	-118.99
		188	8.22	-18.08	-258.37	-22.27	-254.18	31.44	0.35	-307.82	-39.60	-267.88	-103.51
		385	8.59	0.62	-255.82	-3.30	-251.91	31.44	30.91	-263.38	27.37	-259.84	-32.08
		484	12.38	-15.29	-385.11	-17.98	-382.42	31.44	27.69	-328.64	23.12	-324.08	-40.07
114	2	484	22.18	-22.46	-605.31	-24.30	-603.48	-32.64	-47.90	-1114.95	-96.60	-1066.25	-222.70
		385	16.44	-0.25	-419.57	-2.81	-417.02	-32.64	-28.60	-942.08	-69.80	-900.88	-189.58
		561	16.27	-17.29	-421.72	-19.94	-419.07	-32.64	64.86	-884.79	64.80	-884.73	-7.84
		563	22.04	-41.34	-607.64	-43.23	-605.75	-32.64	52.55	-1048.84	52.11	-1048.40	-21.89
114	11	484	83.41	-104.42	-2559.53	-112.41	-2551.54	-139.87	-190.43	-2485.88	-193.70	-2482.60	-86.68
		385	62.60	-17.18	-1838.85	-27.98	-1828.05	-139.87	-149.52	-2185.56	-150.47	-2184.60	-44.14
		561	62.12	-63.11	-1844.64	-74.15	-1833.59	-139.87	30.80	-2203.96	-5.91	-2167.26	284.04
		563	82.96	-155.29	-2565.81	-163.43	-2557.66	-139.87	-3.03	-2494.37	-33.98	-2463.43	275.91
114	14	484	16.00	-17.10	-435.80	-18.07	-434.83	-20.16	-44.94	-816.31	-77.03	-784.22	-154.01
		385	11.93	-1.53	-304.55	-2.88	-303.20	-20.16	-31.20	-691.52	-57.33	-665.40	-128.72
		561	11.85	-13.12	-305.99	-14.51	-304.60	-20.16	47.95	-652.77	47.94	-652.76	1.81
		563	15.94	-29.93	-437.37	-30.93	-436.37	-20.16	39.40	-770.39	39.28	-770.27	-9.79
114	16	484	15.59	-17.01	-424.06	-17.83	-423.25	-18.21	-48.09	-800.07	-78.10	-770.06	-147.20
		385	11.65	-2.03	-297.41	-3.16	-296.28	-18.21	-34.75	-678.54	-58.76	-654.53	-121.98
		561	11.59	-13.02	-298.77	-14.19	-297.60	-18.21	47.23	-641.85	47.19	-641.81	4.90
		563	15.54	-29.17	-425.55	-30.01	-424.71	-18.21	39.03	-756.07	38.97	-756.01	-7.01
115	2	410	1.46	11.27	-8.80	11.26	-8.79	-0.51	172.76	-57.42	154.48	-39.13	-62.25
		432	1.50	11.30	-8.58	11.28	-8.57	-0.51	186.89	-57.90	155.94	-26.94	-81.36
		485	0.96	2.15	-9.69	2.12	-9.66	-0.51	101.91	-73.09	66.50	-37.68	-70.31
		480	0.91	2.12	-9.91	2.10	-9.89	-0.51	84.54	-69.37	65.04	-49.87	-51.20
115	7	410	2.40	17.54	-16.31	14.35	-13.13	-9.88	365.41	30.22	364.53	31.10	-17.15
		432	2.38	17.74	-15.40	14.47	-12.14	-9.88	366.82	37.59	365.47	38.94	-21.01
		485	2.18	14.00	-16.30	10.34	-12.63	-9.88	348.01	36.15	347.39	36.77	-13.91
		480	2.20	13.78	-17.19	10.22	-13.63	-9.88	346.76	28.62	346.45	28.93	-10.04
115	14	410	0.91	7.04	-6.84	7.03	-6.83	-0.37	104.01	-32.65	93.21	-21.86	-36.86
		432	0.93	7.07	-6.66	7.06	-6.65	-0.37	112.34	-33.22	94.05	-14.92	-48.26
		485	0.61	1.37	-7.35	1.35	-7.34	-0.37	61.88	-42.49	40.71	-21.32	-41.97
		480	0.58	1.35	-7.53	1.33	-7.51	-0.37	51.58	-39.96	39.88	-28.26	-30.57
115	16	410	0.83	6.41	-6.87	6.40	-6.86	-0.37	92.63	-28.12	83.12	-18.61	-32.52
		432	0.84	6.43	-6.69	6.42	-6.68	-0.37	99.97	-28.76	83.84	-12.63	-42.61
		485	0.56	1.26	-7.32	1.24	-7.30	-0.37	55.37	-37.08	36.60	-18.30	-37.19
		480	0.54	1.24	-7.49	1.22	-7.48	-0.37	46.29	-34.69	35.88	-24.28	-27.10
116	2	432	1.19	10.87	-8.64	10.85	-8.62	-0.70	105.53	-104.19	41.96	-40.62	-96.39
		435	1.20	10.91	-8.36	10.88	-8.34	-0.70	119.79	-99.85	43.95	-24.01	-104.43
		489	0.92	2.03	-9.45	1.98	-9.41	-0.70	79.94	-102.18	6.30	-28.53	-89.38
		485	0.90	1.99	-9.73	1.95	-9.68	-0.70	64.59	-105.43	4.30	-45.14	-81.33
116	11	432	2.10	16.64	-21.45	2.95	-7.76	-18.28	283.51	-15.88	270.63	-2.99	-60.75
		435	2.09	17.17	-20.65	3.09	-6.57	-18.28	288.51	-3.04	272.54	12.93	-66.34
		489	1.83	14.11	-22.86	-1.61	-7.14	-18.28	257.24	-1.10	246.36	9.79	-51.91
		485	1.84	13.53	-23.61	-1.76	-8.33	-18.28	252.73	-14.42	244.44	-6.14	-46.31
116	14	432	0.74	6.78	-6.71	6.76	-6.69	-0.52	63.46	-60.92	25.66	-23.12	-57.20
		435	0.75	6.80	-6.48	6.78	-6.46	-0.52	71.85	-58.69	26.80	-13.63	-62.06
		489	0.57	1.28	-7.16	1.25	-7.13	-0.52	48.28	-60.57	4.08	-16.36	-53.46
		485	0.57	1.25	-7.38	1.22	-7.35	-0.52	39.23	-62.15	2.94	-25.85	-48.60
116	16	432	0.68	6.15	-6.73	6.13	-6.71	-0.51	56.48	-53.35	23.05	-19.92	-50.53
		435	0.68	6.18	-6.50	6.16	-6.48	-0.51	63.86	-51.55	24.04	-11.73	-54.86
		489	0.52	1.17	-7.11	1.14	-7.08	-0.51	43.08	-53.46	3.78	-14.16	-47.43

		485	0.52	1.14	-7.35	1.11	-7.32	-0.51	35.12	-54.68	2.79	-22.36	-43.10
117	2	435	1.22	10.32	-8.44	10.30	-8.41	-0.71	28.02	-189.96	-118.43	-43.50	-102.35
		439	1.18	10.35	-8.24	10.32	-8.21	-0.71	28.90	-173.69	-116.60	-28.19	-91.15
		493	0.78	1.91	-9.27	1.86	-9.23	-0.71	37.08	-123.14	-64.16	-21.90	-77.27
		489	0.88	1.88	-9.47	1.84	-9.42	-0.71	38.03	-141.23	-65.99	-37.21	-88.47
117	10	435	2.19	21.33	-15.54	12.00	-6.21	16.03	-33.77	-300.70	-277.45	-57.02	-75.27
		439	2.17	21.39	-15.40	12.02	-6.04	16.03	-33.90	-299.12	-277.29	-55.73	-72.89
		493	2.04	18.01	-17.02	7.56	-6.57	16.03	-32.39	-288.15	-266.14	-54.39	-71.72
		489	2.05	17.95	-17.15	7.54	-6.74	16.03	-32.22	-289.76	-266.30	-55.68	-74.10
117	14	435	0.75	6.40	-6.53	6.38	-6.51	-0.52	16.78	-113.31	-71.14	-25.39	-60.89
		439	0.73	6.42	-6.35	6.40	-6.33	-0.52	17.13	-103.83	-70.09	-16.61	-54.25
		493	0.48	1.19	-7.00	1.15	-6.96	-0.52	22.17	-74.02	-38.97	-12.88	-46.29
		489	0.55	1.16	-7.17	1.13	-7.14	-0.52	22.89	-84.57	-40.03	-21.65	-52.94
117	16	435	0.67	5.80	-6.55	5.78	-6.53	-0.51	14.91	-100.39	-63.28	-22.21	-53.87
		439	0.66	5.82	-6.36	5.80	-6.34	-0.51	15.12	-92.10	-62.37	-14.61	-48.00
		493	0.44	1.08	-6.94	1.04	-6.91	-0.51	19.67	-65.87	-34.89	-11.31	-41.11
		489	0.49	1.05	-7.13	1.02	-7.10	-0.51	20.38	-75.09	-35.80	-18.91	-46.98
118	2	439	1.89	9.71	-8.31	9.69	-8.29	-0.56	-37.09	-332.08	-316.94	-52.23	-65.10
		455	1.84	9.70	-8.36	9.69	-8.35	-0.56	-43.42	-318.44	-316.15	-45.70	-24.98
		446	0.78	1.88	-9.31	1.85	-9.29	-0.56	-19.81	-131.63	-128.28	-23.16	-19.06
		493	0.89	1.89	-9.26	1.86	-9.23	-0.56	-2.10	-156.65	-129.06	-29.69	-59.19
118	12	439	3.05	18.77	-10.81	16.09	-8.13	8.49	-68.33	-524.20	-519.50	-73.03	-46.05
		455	3.00	19.22	-8.79	16.36	-5.92	8.49	-68.81	-521.20	-519.23	-70.78	-29.81
		446	2.56	15.76	-9.64	12.51	-6.39	8.49	-59.65	-445.24	-443.23	-61.66	-27.77
		493	2.61	15.27	-11.61	12.24	-8.59	8.49	-58.88	-448.54	-443.50	-63.91	-44.00
118	14	439	1.17	6.00	-6.40	5.98	-6.38	-0.39	-22.29	-200.66	-191.75	-31.21	-38.87
		455	1.14	6.00	-6.40	5.98	-6.39	-0.39	-26.12	-192.62	-191.29	-27.44	-14.79
		446	0.50	1.14	-6.99	1.12	-6.97	-0.39	-11.97	-80.50	-78.55	-13.91	-11.38
		493	0.56	1.14	-6.99	1.13	-6.97	-0.39	-1.46	-95.22	-79.00	-17.68	-35.46
118	16	439	1.05	5.42	-6.40	5.40	-6.39	-0.37	-19.83	-179.08	-171.24	-27.67	-34.46
		455	1.03	5.42	-6.39	5.40	-6.38	-0.37	-23.25	-172.00	-170.85	-24.40	-13.05
		446	0.46	1.02	-6.92	1.01	-6.91	-0.37	-10.68	-72.32	-70.62	-12.37	-10.09
		493	0.51	1.02	-6.93	1.01	-6.91	-0.37	-1.40	-85.26	-71.02	-15.65	-31.49
119	4	428	5.60	35.46	-15.31	35.23	-15.08	3.41	-86.64	-936.93	-936.43	-87.14	20.61
		559	5.67	34.94	-19.45	34.73	-19.23	3.41	-73.60	-939.30	-935.29	-77.61	58.78
		460	4.65	26.97	-20.44	26.72	-20.19	3.41	-49.74	-763.03	-756.60	-56.17	67.42
		345	4.56	27.48	-16.31	27.22	-16.04	3.41	-64.47	-758.98	-757.75	-65.70	29.25
119	11	428	5.21	34.05	-47.58	27.88	-41.41	-21.58	-53.16	-760.69	-759.53	-54.32	28.66
		559	5.31	33.23	-51.74	27.34	-45.85	-21.58	-43.02	-760.51	-758.42	-45.10	38.63
		460	5.03	29.10	-52.55	22.93	-46.38	-21.58	-36.24	-715.04	-711.78	-39.51	46.98
		345	4.91	29.94	-48.42	23.46	-41.94	-21.58	-46.67	-714.94	-712.88	-48.73	37.02
119	14	428	3.18	20.63	-15.37	20.47	-15.21	2.40	-33.32	-500.02	-500.00	-33.35	3.64
		559	3.25	20.16	-19.16	20.01	-19.02	2.40	-22.29	-499.40	-498.75	-22.94	17.59
		460	2.86	16.19	-19.65	16.03	-19.49	2.40	-13.36	-435.17	-433.43	-15.10	27.03
		345	2.78	16.67	-15.86	16.49	-15.69	2.40	-25.09	-435.10	-434.68	-25.51	13.08
119	16	428	2.78	18.16	-15.38	18.01	-15.23	2.23	-24.38	-427.26	-427.26	-24.38	0.81
		559	2.86	17.69	-19.11	17.56	-18.98	2.23	-13.54	-426.27	-425.99	-13.82	10.73
		460	2.56	14.40	-19.52	14.25	-19.38	2.23	-7.14	-380.67	-379.57	-8.25	20.30
		345	2.48	14.86	-15.79	14.70	-15.63	2.23	-18.51	-381.13	-380.83	-18.81	10.39
120	2	559	2.79	35.09	-24.96	34.87	-24.75	3.59	26.81	-278.84	-266.75	14.72	59.59
		2	2.93	34.66	-28.40	34.46	-28.19	3.59	52.95	-278.43	-263.90	38.42	67.83
		576	2.63	27.35	-29.30	27.12	-29.07	3.59	70.07	-252.30	-225.29	43.06	89.32
		460	2.48	27.78	-25.87	27.54	-25.63	3.59	43.55	-252.33	-228.14	19.35	81.07
120	11	559	3.69	36.34	-55.84	26.46	-45.96	-28.51	18.13	-319.04	-309.66	8.75	55.47
		2	3.75	36.18	-56.50	26.37	-46.69	-28.51	33.79	-317.13	-307.77	24.43	56.54
		576	3.72	32.64	-57.34	22.46	-47.16	-28.51	39.65	-317.37	-302.75	25.03	70.75
		460	3.66	32.81	-56.69	22.54	-46.42	-28.51	24.12	-319.40	-304.63	9.35	69.68
120	14	559	1.70	20.62	-19.10	20.48	-18.96	2.36	22.30	-146.98	-144.28	19.60	21.20
		2	1.82	20.31	-21.62	20.18	-21.49	2.36	42.16	-145.17	-141.96	38.95	24.31
		576	1.68	16.43	-22.10	16.28	-21.96	2.36	50.54	-137.24	-127.40	40.69	41.85
		460	1.56	16.74	-19.58	16.59	-19.43	2.36	30.70	-139.07	-129.72	21.35	38.74
120	16	559	1.54	18.12	-19.06	17.99	-18.93	2.20	23.78	-121.20	-120.28	22.86	11.50
		2	1.65	17.81	-21.53	17.69	-21.41	2.20	43.75	-119.01	-117.91	42.65	13.34
		576	1.56	14.61	-21.93	14.48	-21.80	2.20	49.82	-115.46	-109.31	43.68	31.27
		460	1.43	14.92	-19.46	14.78	-19.31	2.20	30.01	-117.80	-111.69	23.89	29.43
121	2	563	20.83	-40.77	-446.81	-42.31	-445.27	-24.94	-37.39	-1834.95	-154.20	-1718.14	-443.08
		561	14.60	-18.19	-266.10	-20.72	-263.57	-24.94	5.55	-1512.32	-108.65	-1398.12	-400.36
		565	14.13	-22.35	-266.64	-24.92	-264.07	-24.94	31.24	-1383.15	29.62	-1381.53	-47.81
		164	20.49	-45.40	-447.38	-46.95	-445.83	-24.94	0.26	-1701.50	-1.43	-1699.81	-53.55
121	9	563	76.52	-223.07	-2326.27	-223.07	-2326.27	0.18	-17.24	-2751.15	-86.54	-2681.85	-429.74
		561	49.20	-108.14	-1376.32	-108.14	-1376.32	0.18	30.09	-2388.83	-47.12	-2311.62	-425.20
		565	49.08	-90.14	-1374.16	-90.14	-1374.16	0.18	-143.72	-2323.34	-143.83	-2323.23	-15.56
		164	76.44	-203.17	-2323.89	-203.17	-2323.89	0.18	-193.19	-2694.88	-193.40	-2694.67	22.87
121	14	563	15.62	-30.72	-337.96	-31.44	-337.24	-14.83	-26.30	-1364.13	-113.20	-1277.23	-329.71
		561	10.92	-14.11	-202.62	-15.29	-201.45	-14.83	6.65	-1116.93	-78.33	-1031.95	-297.09
		565	10.61	-16.98	-202.98	-18.17	-201.79	-14.83	27.64	-1020.01	26.95	-1019.32	-26.87
		164	15.40	-33.90	-338.35	-34.62	-337.63	-14.83	3.88	-1264.04	3.12	-1263.27	-31.15

121	16	563	15.46	-30.43	-335.73	-31.00	-335.16	-13.12	-25.33	-1345.47	-111.07	-1259.73	-325.32
		561	10.80	-14.11	-201.86	-15.03	-200.93	-13.12	7.59	-1098.66	-76.26	-1014.81	-292.80
		565	10.51	-16.85	-202.20	-17.78	-201.26	-13.12	29.11	-1002.74	28.59	-1002.22	-22.97
		164	15.26	-33.47	-336.10	-34.04	-335.53	-13.12	5.37	-1246.42	4.78	-1245.83	-27.19
122	1	166	17.30	21.11	-369.68	-368.17	19.60	24.25	68.40	-1345.40	-1229.74	-47.26	387.49
		164	17.19	-28.53	-375.86	-374.16	-30.23	24.25	120.65	-1484.89	-1239.09	-125.15	578.12
		565	14.17	-14.53	-283.34	-281.13	-16.74	24.25	148.98	-1334.14	-1082.45	-102.71	556.72
		165	14.19	30.29	-277.64	-275.72	28.37	24.25	94.13	-1200.35	-1073.99	-32.22	384.18
122	5	166	78.41	-414.07	-2578.18	-2573.27	-418.99	-102.97	536.92	-2129.60	-1941.91	349.24	682.08
		164	80.51	-101.72	-2540.08	-2535.72	-106.08	-102.97	269.65	-2413.98	-2001.02	-143.31	968.35
		565	49.43	19.60	-1434.79	-1427.46	12.28	-102.97	283.58	-2139.04	-1763.67	-91.79	876.63
		165	47.42	-262.09	-1470.29	-1461.45	-270.93	-102.97	524.65	-1880.81	-1710.17	354.01	617.54
122	13	166	13.31	16.24	-284.37	-283.21	15.08	18.65	52.61	-1034.93	-945.95	-36.36	298.07
		164	13.22	-21.95	-289.12	-287.81	-23.26	18.65	92.81	-1142.22	-953.14	-96.27	444.71
		565	10.90	-11.18	-217.95	-216.26	-12.88	18.65	114.60	-1026.26	-832.66	-79.01	428.25
		165	10.92	23.30	-213.57	-212.09	21.82	18.65	72.41	-923.34	-826.15	-24.78	295.52
122	15	166	13.31	16.24	-284.37	-283.21	15.08	18.65	52.61	-1034.93	-945.95	-36.36	298.07
		164	13.22	-21.95	-289.12	-287.81	-23.26	18.65	92.81	-1142.22	-953.14	-96.27	444.71
		565	10.90	-11.18	-217.95	-216.26	-12.88	18.65	114.60	-1026.26	-832.66	-79.01	428.25
		165	10.92	23.30	-213.57	-212.09	21.82	18.65	72.41	-923.34	-826.15	-24.78	295.52
123	4	2	2.22	35.69	-22.02	35.57	-21.90	2.66	229.62	18.67	176.06	72.23	91.81
		12	2.18	35.47	-23.88	35.35	-23.76	2.66	228.76	38.35	178.08	89.03	84.15
		578	1.91	27.52	-24.86	27.38	-24.72	2.66	216.93	10.02	142.22	84.73	99.38
		576	1.96	27.74	-23.00	27.60	-22.86	2.66	217.04	-8.91	140.20	67.93	107.04
123	12	2	3.74	41.70	-52.61	4.83	-15.73	46.02	500.20	92.21	492.33	100.08	56.11
		12	3.66	38.38	-57.56	3.94	-23.12	46.02	498.29	114.85	494.55	118.59	37.69
		578	3.57	41.21	-55.81	8.04	-22.63	46.02	417.89	98.66	408.31	108.24	54.47
		576	3.66	44.42	-50.74	8.92	-15.24	46.02	422.07	73.75	406.09	89.73	72.89
123	14	2	1.27	20.50	-21.55	20.41	-21.46	1.91	112.81	54.56	99.45	67.92	24.49
		12	1.24	20.30	-23.19	20.22	-23.11	1.91	117.21	71.84	101.78	87.27	21.49
		578	1.14	16.52	-23.66	16.43	-23.57	1.91	125.73	47.62	87.76	85.59	39.04
		576	1.17	16.72	-22.01	16.62	-21.92	1.91	118.95	32.72	85.43	66.23	42.04
123	15	2	1.13	-2.29	-20.83	-2.32	-20.80	0.77	108.61	-62.62	-15.45	61.45	-76.50
		12	1.23	-2.45	-22.16	-2.48	-22.13	0.77	123.29	-51.32	-12.67	84.64	-72.49
		578	1.14	0.02	-21.86	-7.76e-03	-21.83	0.77	111.92	-18.96	6.06	86.89	-51.47
		576	1.03	0.18	-20.53	0.15	-20.50	0.77	96.65	-29.68	3.28	63.70	-55.47
124	4	12	3.46	35.65	-23.78	35.60	-23.73	1.70	491.34	110.29	476.76	124.87	73.10
		22	3.42	35.52	-24.86	35.47	-24.81	1.70	486.46	128.28	478.16	136.58	53.89
		580	2.82	27.62	-25.81	27.57	-25.76	1.70	403.19	110.79	388.19	125.79	64.50
		578	2.87	27.75	-24.74	27.70	-24.68	1.70	410.43	90.42	386.78	114.07	83.72
124	12	12	3.89	42.03	-56.48	8.16	-22.62	46.79	560.01	125.22	558.92	126.31	21.77
		22	3.85	39.05	-61.64	7.29	-29.88	46.79	560.96	142.47	560.87	142.55	6.01
		580	3.73	41.18	-60.50	10.21	-29.53	46.79	488.31	132.49	487.09	133.70	20.73
		578	3.78	44.08	-55.27	11.08	-22.27	46.79	488.73	113.87	485.14	117.46	36.49
124	14	12	1.91	20.37	-23.13	20.34	-23.10	1.22	255.21	102.85	252.67	105.38	19.49
		22	1.89	20.26	-24.07	20.22	-24.04	1.22	255.55	117.68	254.30	118.93	13.05
		580	1.66	16.55	-24.52	16.52	-24.48	1.22	229.76	109.70	224.15	115.31	25.33
		578	1.69	16.67	-23.58	16.63	-23.54	1.22	230.38	93.92	222.53	101.77	31.77
124	16	12	1.65	17.82	-23.02	17.79	-22.99	1.14	216.30	101.16	215.33	102.13	10.56
		22	1.63	17.71	-23.94	17.68	-23.91	1.14	217.37	115.60	216.99	115.98	6.25
		580	1.47	14.71	-24.30	14.67	-24.27	1.14	200.87	109.51	196.82	113.56	18.80
		578	1.50	14.82	-23.39	14.78	-23.35	1.14	200.46	94.41	195.15	99.71	23.11
125	4	22	4.07	35.60	-24.80	35.59	-24.80	0.58	627.59	151.56	624.95	154.20	35.34
		32	4.05	35.56	-25.15	35.55	-25.15	0.58	625.69	158.11	625.45	158.35	10.51
		582	3.31	27.69	-26.10	27.68	-26.09	0.58	509.79	143.84	509.23	144.40	14.27
		580	3.33	27.73	-25.75	27.73	-25.74	0.58	512.83	136.15	508.73	140.25	39.10
125	8	22	3.88	28.98	-59.78	25.67	-56.47	16.80	528.91	162.57	528.82	162.67	-5.95
		32	3.90	28.56	-62.43	25.35	-59.21	16.80	529.66	168.09	529.49	168.26	-7.83
		582	3.79	25.50	-62.91	22.18	-59.59	16.80	520.71	167.18	520.69	167.20	-2.76
		580	3.77	25.92	-60.26	22.51	-56.85	16.80	520.02	161.61	520.02	161.62	-0.88
125	14	22	2.21	20.28	-24.04	20.28	-24.03	0.42	327.51	127.17	327.03	127.65	9.83
		32	2.21	20.24	-24.34	20.24	-24.34	0.42	327.62	132.45	327.60	132.47	1.81
		582	1.94	16.58	-24.78	16.58	-24.78	0.42	290.31	127.73	290.08	127.96	6.17
		580	1.95	16.62	-24.48	16.61	-24.47	0.42	290.70	121.95	289.50	123.15	14.19
125	16	22	1.91	17.73	-23.91	17.72	-23.91	0.39	277.57	123.03	277.37	123.23	5.57
		32	1.90	17.69	-24.21	17.69	-24.21	0.39	277.96	128.15	277.96	128.15	0.36
		582	1.71	14.73	-24.56	14.72	-24.56	0.39	253.73	125.04	253.55	125.22	4.82
		580	1.72	14.76	-24.26	14.76	-24.26	0.39	253.71	119.55	252.96	120.30	10.04
126	4	32	4.05	35.56	-25.15	35.55	-25.15	-0.58	625.69	158.11	625.45	158.35	-10.51
		42	4.07	35.60	-24.80	35.59	-24.80	-0.58	627.59	151.56	624.95	154.20	-35.34
		584	3.33	27.73	-25.75	27.73	-25.74	-0.58	512.83	136.15	508.73	140.25	-39.10
		582	3.31	27.69	-26.10	27.68	-26.09	-0.58	509.79	143.84	509.23	144.40	-14.27
126	7	32	3.90	28.56	-62.43	25.35	-59.21	-16.80	529.66	168.09	529.49	168.26	7.83
		42	3.88	28.98	-59.78	25.67	-56.47	-16.80	528.91	162.57	528.82	162.67	5.95
		584	3.77	25.92	-60.26	22.51	-56.85	-16.80	520.02	161.61	520.02	161.62	0.88
		582	3.79	25.50	-62.91	22.18	-59.59	-16.80	520.71	167.18	520.69	167.20	2.76
126	14	32	2.21	20.24	-24.34	20.24	-24.34	-0.42	327.62	132.45	327.60	132.47	-1.81

		42	2.21	20.28	-24.04	20.28	-24.03	-0.42	327.51	127.17	327.03	127.65	-9.83
		584	1.95	16.62	-24.48	16.61	-24.47	-0.42	290.70	121.95	289.50	123.15	-14.19
		582	1.94	16.58	-24.78	16.58	-24.78	-0.42	290.31	127.73	290.08	127.96	-6.17
126	16	32	1.90	17.69	-24.21	17.69	-24.21	-0.39	277.96	128.15	277.96	128.15	-0.36
		42	1.91	17.73	-23.91	17.72	-23.91	-0.39	277.57	123.03	277.37	123.23	-5.57
		584	1.72	14.76	-24.26	14.76	-24.26	-0.39	253.71	119.55	252.96	120.30	-10.04
		582	1.71	14.73	-24.56	14.72	-24.56	-0.39	253.73	125.04	253.55	125.22	-4.82
127	4	42	3.42	35.52	-24.86	35.47	-24.81	-1.70	486.46	128.28	478.16	136.58	-53.89
		52	3.46	35.65	-23.78	35.60	-23.73	-1.70	491.34	110.29	476.76	124.87	-73.10
		586	2.87	27.75	-24.74	27.70	-24.68	-1.70	410.43	90.42	386.78	114.07	-83.72
		584	2.82	27.62	-25.81	27.57	-25.76	-1.70	403.19	110.79	388.19	125.79	-64.50
127	11	42	3.85	39.05	-61.64	7.29	-29.88	-46.79	560.96	142.47	560.87	142.55	-6.01
		52	3.89	42.03	-56.48	8.16	-22.62	-46.79	560.01	125.22	558.92	126.31	-21.77
		586	3.78	44.08	-55.27	11.08	-22.27	-46.79	488.73	113.87	485.14	117.46	-36.49
		584	3.73	41.18	-60.50	10.21	-29.53	-46.79	488.31	132.49	487.09	133.70	-20.73
127	14	42	1.89	20.26	-24.07	20.22	-24.04	-1.22	255.55	117.68	254.30	118.93	-13.05
		52	1.91	20.37	-23.13	20.34	-23.10	-1.22	255.21	102.85	252.67	105.38	-19.49
		586	1.69	16.67	-23.58	16.63	-23.54	-1.22	230.38	93.92	222.53	101.77	-31.77
		584	1.66	16.55	-24.52	16.52	-24.48	-1.22	229.76	109.70	224.15	115.31	-25.33
127	16	42	1.63	17.71	-23.94	17.68	-23.91	-1.14	217.37	115.60	216.99	115.98	-6.25
		52	1.65	17.82	-23.02	17.79	-22.99	-1.14	216.30	101.16	215.33	102.13	-10.56
		586	1.50	14.82	-23.39	14.78	-23.35	-1.14	200.46	94.41	195.15	99.71	-23.11
		584	1.47	14.71	-24.30	14.67	-24.27	-1.14	200.87	109.51	196.82	113.56	-18.80
128	4	52	2.18	35.47	-23.88	35.35	-23.76	-2.66	228.76	38.35	178.08	89.03	-84.15
		62	2.22	35.69	-22.02	35.57	-21.90	-2.66	229.62	18.67	176.06	72.23	-91.81
		588	1.96	27.74	-23.00	27.60	-22.86	-2.66	217.04	-8.91	140.20	67.93	-107.04
		586	1.91	27.52	-24.86	27.38	-24.72	-2.66	216.93	10.02	142.22	84.73	-99.38
128	11	52	3.66	38.38	-57.56	3.94	-23.12	-46.02	498.29	114.85	494.55	118.59	-37.69
		62	3.74	41.70	-52.61	4.83	-15.73	-46.02	500.20	92.21	492.33	100.08	-56.11
		588	3.66	44.42	-50.74	8.92	-15.24	-46.02	422.07	73.75	406.09	89.73	-72.89
		586	3.57	41.21	-55.81	8.04	-22.63	-46.02	417.89	98.66	408.31	108.24	-54.47
128	14	52	1.24	20.30	-23.19	20.22	-23.11	-1.91	117.21	71.84	101.78	87.27	-21.49
		62	1.27	20.50	-21.55	20.41	-21.46	-1.91	112.81	54.56	99.45	67.92	-24.49
		588	1.17	16.72	-22.01	16.62	-21.92	-1.91	118.95	32.72	85.43	66.23	-42.04
		586	1.14	16.52	-23.66	16.43	-23.57	-1.91	125.73	47.62	87.76	85.59	-39.04
128	15	52	1.23	-2.45	-22.16	-2.48	-22.13	-0.77	123.29	-51.32	-12.67	84.64	72.49
		62	1.13	-2.29	-20.83	-2.32	-20.80	-0.77	108.61	-62.62	-15.45	61.45	76.50
		588	1.03	0.18	-20.53	0.15	-20.50	-0.77	96.65	-29.68	3.28	63.70	55.47
		586	1.14	0.02	-21.86	-7.76e-03	-21.83	-0.77	111.92	-18.96	6.06	86.89	51.47
129	1	364	17.19	-28.53	-375.86	-374.15	-30.23	-24.25	120.65	-1484.89	-1239.09	-125.15	-578.13
		346	17.30	21.12	-369.68	-368.17	19.61	-24.25	68.40	-1345.41	-1229.74	-47.27	-387.49
		376	14.19	30.29	-277.64	-275.72	28.37	-24.25	94.13	-1200.34	-1073.99	-32.22	-384.18
		366	14.17	-14.53	-283.34	-281.13	-16.74	-24.25	148.98	-1334.14	-1082.45	-102.71	-556.72
129	7	364	80.51	-101.72	-2540.07	-2535.71	-106.08	102.97	269.65	-2413.99	-2001.02	-143.32	-968.36
		346	78.41	-414.08	-2578.18	-2573.27	-418.99	102.97	536.93	-2129.60	-1941.91	349.24	-682.10
		376	47.41	-262.09	-1470.26	-1461.42	-270.93	102.97	524.66	-1880.82	-1710.17	354.01	-617.55
		366	49.43	19.60	-1434.77	-1427.44	12.28	102.97	283.59	-2139.05	-1763.67	-91.79	-876.64
129	13	364	13.22	-21.95	-289.12	-287.81	-23.26	-18.65	92.81	-1142.22	-953.14	-96.27	-444.71
		346	13.31	16.24	-284.37	-283.21	15.08	-18.65	52.61	-1034.93	-945.95	-36.36	-298.07
		376	10.92	23.30	-213.57	-212.09	21.82	-18.65	72.41	-923.34	-826.14	-24.79	-295.53
		366	10.90	-11.18	-217.95	-216.26	-12.88	-18.65	114.60	-1026.26	-832.65	-79.01	-428.25
129	15	364	13.22	-21.95	-289.12	-287.81	-23.26	-18.65	92.81	-1142.22	-953.14	-96.27	-444.71
		346	13.31	16.24	-284.37	-283.21	15.08	-18.65	52.61	-1034.93	-945.95	-36.36	-298.07
		376	10.92	23.30	-213.57	-212.09	21.82	-18.65	72.41	-923.34	-826.14	-24.79	-295.53
		366	10.90	-11.18	-217.95	-216.26	-12.88	-18.65	114.60	-1026.26	-832.65	-79.01	-428.25
130	2	355	14.60	-18.19	-266.10	-20.72	-263.56	24.94	5.55	-1512.31	-108.65	-1398.12	400.36
		454	20.83	-40.77	-446.81	-42.31	-445.27	24.94	-37.39	-1834.95	-154.19	-1718.15	443.08
		364	20.49	-45.40	-447.38	-46.95	-445.83	24.94	0.26	-1701.50	-1.43	-1699.81	53.55
		366	14.13	-22.35	-266.64	-24.92	-264.07	24.94	31.24	-1383.15	29.62	-1381.53	47.81
130	11	355	49.20	-108.14	-1376.31	-108.14	-1376.31	-0.19	30.09	-2388.82	-47.11	-2311.62	425.19
		454	76.52	-223.07	-2326.28	-223.07	-2326.28	-0.19	-17.24	-2751.15	-86.54	-2681.85	429.73
		364	76.44	-203.18	-2323.89	-203.18	-2323.89	-0.19	-193.19	-2694.88	-193.40	-2694.67	-22.88
		366	49.08	-90.14	-1374.16	-90.14	-1374.16	-0.19	-143.72	-2323.34	-143.83	-2323.23	15.55
130	14	355	10.92	-14.11	-202.62	-15.29	-201.44	14.83	6.65	-1116.93	-78.32	-1031.95	297.08
		454	15.62	-30.72	-337.96	-31.44	-337.24	14.83	-26.30	-1364.13	-113.20	-1277.23	329.70
		364	15.40	-33.90	-338.35	-34.62	-337.63	14.83	3.88	-1264.04	3.12	-1263.27	31.15
		366	10.61	-16.98	-202.98	-18.17	-201.79	14.83	27.64	-1020.01	26.95	-1019.32	26.87
130	16	355	10.80	-14.11	-201.85	-15.03	-200.93	13.11	7.59	-1098.66	-76.26	-1014.81	292.79
		454	15.46	-30.43	-335.73	-31.00	-335.17	13.11	-25.33	-1345.47	-111.07	-1259.73	325.32
		364	15.26	-33.47	-336.10	-34.04	-335.53	13.11	5.37	-1246.42	4.78	-1245.83	27.19
		366	10.51	-16.85	-202.20	-17.78	-201.26	13.11	29.11	-1002.74	28.59	-1002.23	22.97
131	2	354	16.44	-0.25	-419.57	-2.81	-417.02	32.64	-28.60	-942.08	-69.80	-900.88	189.57
		570	22.18	-22.46	-605.31	-24.30	-603.48	32.64	-47.90	-1114.95	-96.60	-1066.25	222.69
		454	22.04	-41.34	-607.64	-43.23	-605.75	32.64	52.55	-1048.84	52.12	-1048.40	21.89
		355	16.27	-17.29	-421.72	-19.94	-419.07	32.64	64.87	-884.79	64.80	-884.72	7.83
131	9	354	62.60	-17.17	-1838.85	-27.98	-1828.05	139.86	-149.52	-2185.56	-150.47	-2184.60	44.13
		570	83.41	-104.42	-2559.54	-112.41	-2551.55	139.86	-190.43	-2485.88	-193.70	-2482.60	86.67

		454	82.96	-155.29	-2565.80	-163.43	-2557.66	139.86	-3.03	-2494.38	-33.98	-2463.43	-275.93
		355	62.12	-63.11	-1844.63	-74.16	-1833.58	139.86	30.80	-2203.96	-5.91	-2167.25	-284.05
131	14	354	11.93	-1.53	-304.55	-2.88	-303.20	20.16	-31.20	-691.52	-57.33	-665.40	128.72
		570	16.00	-17.10	-435.80	-18.07	-434.83	20.16	-44.94	-816.31	-77.03	-784.23	154.01
		454	15.94	-29.93	-437.37	-30.93	-436.37	20.16	39.40	-770.39	39.28	-770.27	9.79
		355	11.85	-13.12	-305.99	-14.51	-304.60	20.16	47.95	-652.77	47.94	-652.76	-1.82
131	16	354	11.65	-2.03	-297.41	-3.16	-296.28	18.21	-34.75	-678.54	-58.76	-654.53	121.98
		570	15.59	-17.01	-424.07	-17.83	-423.25	18.21	-48.09	-800.07	-78.10	-770.06	147.20
		454	15.54	-29.17	-425.55	-30.01	-424.71	18.21	39.03	-756.07	38.97	-756.01	7.01
		355	11.59	-13.02	-298.77	-14.19	-297.60	18.21	47.23	-641.85	47.20	-641.81	-4.91
132	2	344	11.57	-28.82	-374.07	-34.52	-368.37	-43.99	11.66	-375.49	-45.37	-318.45	137.22
		375	17.36	-56.33	-571.93	-60.11	-568.15	-43.99	-0.12	-477.54	-62.27	-415.39	160.65
		570	17.94	-22.00	-567.57	-25.57	-564.00	-43.99	54.39	-405.95	50.31	-401.88	43.13
		354	12.16	2.02	-369.90	-3.26	-364.62	-43.99	59.13	-308.83	56.52	-306.23	30.85
132	9	344	53.19	-131.19	-1729.75	-144.50	-1716.44	-145.26	-67.93	-1200.42	-73.47	-1194.89	78.97
		375	75.70	-237.45	-2528.47	-246.69	-2519.22	-145.26	-93.32	-1422.02	-99.42	-1415.92	89.83
		570	77.05	-112.69	-2513.02	-121.51	-2504.19	-145.26	-87.33	-1441.75	-111.70	-1417.39	-180.01
		354	54.55	-18.68	-1715.38	-31.20	-1702.85	-145.26	-60.53	-1220.27	-84.58	-1196.22	-165.26
132	14	344	8.41	-19.24	-266.67	-23.48	-262.43	-32.12	2.74	-302.41	-38.27	-261.40	104.08
		375	12.40	-38.15	-402.51	-41.00	-399.66	-32.12	-5.35	-373.85	-50.03	-329.16	120.29
		570	12.78	-15.75	-399.66	-18.46	-396.95	-32.12	31.66	-323.99	27.53	-319.86	38.12
		354	8.80	0.88	-263.93	-3.07	-259.98	-32.12	34.99	-256.04	31.92	-252.98	29.72
132	16	344	8.22	-18.08	-258.37	-22.27	-254.18	-31.44	0.35	-307.82	-39.60	-267.88	103.51
		375	12.02	-36.10	-387.77	-38.94	-384.93	-31.44	-7.38	-376.45	-50.87	-332.96	118.99
		570	12.38	-15.29	-385.11	-17.98	-382.42	-31.44	27.69	-328.65	23.12	-324.08	40.07
		354	8.59	0.62	-255.82	-3.30	-251.91	-31.44	30.91	-263.38	27.37	-259.84	32.08
133	2	62	2.93	34.66	-28.40	34.46	-28.19	-3.59	52.95	-278.43	-263.90	38.42	-67.83
		72	2.79	35.09	-24.96	34.87	-24.75	-3.59	26.81	-278.84	-266.75	14.72	-59.59
		590	2.48	27.78	-25.87	27.54	-25.63	-3.59	43.55	-252.33	-228.14	19.35	-81.07
		588	2.63	27.35	-29.30	27.12	-29.07	-3.59	70.07	-252.30	-225.29	43.06	-89.32
133	12	62	3.75	36.18	-56.50	26.37	-46.69	28.51	33.79	-317.13	-307.77	24.43	-56.54
		72	3.69	36.34	-55.84	26.46	-45.96	28.51	18.13	-319.04	-309.66	8.75	-55.47
		590	3.66	32.81	-56.69	22.54	-46.42	28.51	24.12	-319.40	-304.63	9.35	-69.68
		588	3.72	32.64	-57.34	22.46	-47.16	28.51	39.65	-317.37	-302.75	25.03	-70.75
133	14	62	1.82	20.31	-21.62	20.18	-21.49	-2.36	42.16	-145.17	-141.96	38.95	-24.31
		72	1.70	20.62	-19.10	20.48	-18.96	-2.36	22.30	-146.98	-144.28	19.60	-21.20
		590	1.56	16.74	-19.58	16.59	-19.43	-2.36	30.70	-139.07	-129.72	21.35	-38.74
		588	1.68	16.43	-22.10	16.28	-21.96	-2.36	50.54	-137.24	-127.40	40.69	-41.85
133	16	62	1.65	17.81	-21.53	17.69	-21.41	-2.20	43.75	-119.01	-117.91	42.65	-13.34
		72	1.54	18.12	-19.06	17.99	-18.93	-2.20	23.78	-121.20	-120.28	22.86	-11.50
		590	1.43	14.92	-19.46	14.78	-19.31	-2.20	30.01	-117.80	-111.69	23.89	-29.43
		588	1.56	14.61	-21.93	14.48	-21.80	-2.20	49.82	-115.46	-109.31	43.68	-31.27
134	4	72	5.67	34.94	-19.45	34.73	-19.23	-3.41	-73.60	-939.30	-935.29	-77.61	-58.78
		549	5.60	35.46	-15.31	35.23	-15.08	-3.41	-86.64	-936.93	-936.43	-87.14	-20.61
		458	4.56	27.48	-16.31	27.22	-16.04	-3.41	-64.47	-758.98	-757.75	-65.70	-29.25
		590	4.65	26.97	-20.44	26.72	-20.19	-3.41	-49.74	-763.03	-756.60	-56.17	-67.42
134	12	72	5.31	33.23	-51.74	27.34	-45.85	21.58	-43.02	-760.51	-758.42	-45.10	-38.63
		549	5.21	34.05	-47.58	27.88	-41.41	21.58	-53.16	-760.69	-759.53	-54.32	-28.66
		458	4.91	29.94	-48.42	23.46	-41.94	21.58	-46.67	-714.94	-712.88	-48.73	-37.02
		590	5.03	29.10	-52.55	22.93	-46.38	21.58	-36.24	-715.04	-711.78	-39.51	-46.98
134	14	72	3.25	20.16	-19.16	20.01	-19.02	-2.40	-22.29	-499.40	-498.75	-22.94	-17.59
		549	3.18	20.63	-15.37	20.47	-15.21	-2.40	-33.32	-500.02	-500.00	-33.35	-3.64
		458	2.78	16.67	-15.86	16.49	-15.69	-2.40	-25.09	-435.10	-434.68	-25.51	-13.08
		590	2.86	16.19	-19.65	16.03	-19.49	-2.40	-13.36	-435.17	-433.43	-15.10	-27.03
134	16	72	2.86	17.69	-19.11	17.56	-18.98	-2.23	-13.54	-426.27	-425.99	-13.82	-10.73
		549	2.78	18.16	-15.38	18.01	-15.23	-2.23	-24.38	-427.26	-427.26	-24.38	-0.81
		458	2.48	14.86	-15.79	14.70	-15.63	-2.23	-18.51	-381.13	-380.83	-18.81	-10.39
		590	2.56	14.40	-19.52	14.25	-19.38	-2.23	-7.14	-380.67	-379.57	-8.25	-20.30
135	2	611	4.50	27.96	-16.84	27.80	-16.68	2.66	746.34	76.50	745.43	77.41	-24.78
		592	4.55	27.67	-19.18	27.52	-19.03	2.66	752.18	65.76	744.90	73.03	-70.30
		479	3.33	17.90	-20.39	17.72	-20.21	2.66	542.92	36.32	531.79	47.46	-74.27
		499	3.26	18.19	-18.06	18.00	-17.86	2.66	534.03	50.13	532.31	51.84	-28.75
135	9	611	4.59	30.82	-31.00	25.42	-25.60	-17.45	717.08	67.17	715.31	68.94	-33.88
		592	4.69	30.09	-34.50	24.97	-29.38	-17.45	719.51	61.65	714.98	66.18	-54.43
		479	4.13	24.61	-35.66	19.04	-30.09	-17.45	624.44	48.95	618.75	54.64	-56.92
		499	4.02	25.39	-32.20	19.50	-26.31	-17.45	621.42	55.04	619.08	57.39	-36.37
135	14	611	2.70	16.94	-12.88	16.84	-12.78	1.76	437.07	41.62	436.66	42.03	-12.73
		592	2.74	16.72	-14.69	16.62	-14.59	1.76	439.79	34.47	436.19	38.07	-38.05
		479	2.06	10.84	-15.42	10.73	-15.30	1.76	323.44	18.06	317.66	23.85	-41.63
		499	2.01	11.07	-13.61	10.94	-13.49	1.76	319.05	26.89	318.13	27.80	-16.32
135	16	611	2.41	15.14	-12.86	15.04	-12.76	1.65	383.09	34.82	382.79	35.12	-10.24
		592	2.45	14.92	-14.66	14.83	-14.57	1.65	385.13	28.09	382.29	30.94	-31.73
		479	1.86	9.69	-15.31	9.58	-15.20	1.65	286.37	14.14	281.65	18.86	-35.53
		499	1.81	9.92	-13.51	9.80	-13.39	1.65	282.91	22.29	282.15	23.05	-14.03
136	2	592	2.32	28.52	-19.11	28.34	-18.93	2.95	266.50	-23.20	231.83	11.46	-94.02
		594	2.41	28.27	-21.15	28.10	-20.98	2.95	272.42	-39.67	230.70	2.05	-106.20
		481	1.97	18.39	-22.38	18.18	-22.17	2.95	229.78	-60.91	173.67	-4.79	-114.73

		479	1.87	18.65	-20.34	18.42	-20.12	2.95	222.96	-43.55	174.80	4.62	-102.55
136	9	592	3.19	32.44	-37.28	24.58	-29.42	-22.05	327.04	-1.88	307.83	17.33	-77.13
		594	3.24	32.11	-38.69	24.40	-30.98	-22.05	328.11	-7.34	307.36	13.41	-80.81
		481	3.08	26.96	-39.97	18.67	-31.67	-22.05	313.66	-12.20	290.12	11.34	-84.36
		479	3.03	27.33	-38.58	18.86	-30.11	-22.05	312.49	-6.64	290.59	15.26	-80.68
136	14	592	1.43	17.30	-14.65	17.18	-14.52	2.00	149.24	-15.15	132.47	1.62	-49.75
		594	1.49	17.11	-16.20	16.99	-16.08	2.00	151.30	-26.94	131.43	-7.07	-56.09
		481	1.25	11.17	-16.93	11.03	-16.79	2.00	130.72	-39.59	101.76	-10.63	-63.97
		479	1.18	11.37	-15.39	11.22	-15.24	2.00	128.31	-27.44	102.81	-1.94	-57.64
136	16	592	1.29	15.47	-14.63	15.35	-14.51	1.90	127.39	-14.20	114.41	-1.21	-40.86
		594	1.35	15.28	-16.17	15.17	-16.05	1.90	128.52	-25.71	113.30	-10.48	-46.01
		481	1.16	10.00	-16.82	9.87	-16.69	1.90	112.71	-36.85	89.23	-13.37	-54.41
		479	1.08	10.19	-15.29	10.05	-15.15	1.90	111.36	-25.12	90.34	-4.10	-49.27
137	2	386	13.19	7.22	-82.59	-63.30	-12.07	36.89	2297.07	97.79	1187.04	1207.82	-1099.59
		239	13.19	7.22	-82.59	-63.30	-12.07	36.89	2297.07	97.79	1187.04	1207.82	-1099.59
		238	13.19	7.22	-82.59	-63.30	-12.07	36.89	2297.07	97.79	1187.04	1207.82	-1099.59
137	9	386	71.56	-18.31	-610.78	-336.34	-292.75	295.43	1.193e+04	1246.41	9586.92	3588.06	-4419.34
		239	71.56	-18.31	-610.78	-336.34	-292.75	295.43	1.193e+04	1246.41	9586.92	3588.06	-4419.34
		238	71.56	-18.31	-610.78	-336.34	-292.75	295.43	1.193e+04	1246.41	9586.92	3588.06	-4419.34
137	14	386	9.83	4.29	-75.62	-57.34	-13.99	33.57	1637.80	71.21	825.88	883.13	-782.77
		239	9.83	4.29	-75.62	-57.34	-13.99	33.57	1637.80	71.21	825.88	883.13	-782.77
		238	9.83	4.29	-75.62	-57.34	-13.99	33.57	1637.80	71.21	825.88	883.13	-782.77
137	16	386	9.71	3.81	-80.39	-60.75	-15.84	35.61	1587.08	69.46	791.52	865.02	-757.92
		239	9.71	3.81	-80.39	-60.75	-15.84	35.61	1587.08	69.46	791.52	865.02	-757.92
		238	9.71	3.81	-80.39	-60.75	-15.84	35.61	1587.08	69.46	791.52	865.02	-757.92
138	2	594	2.00	28.74	-21.04	28.62	-20.91	2.48	28.24	-205.95	-135.78	-41.93	-107.28
		596	1.96	28.56	-22.56	28.44	-22.44	2.48	12.24	-201.56	-137.02	-52.30	-98.15
		483	1.64	18.84	-23.75	18.70	-23.61	2.48	39.39	-180.80	-94.25	-47.16	-107.55
		481	1.70	19.03	-22.23	18.88	-22.08	2.48	55.12	-184.92	-93.00	-36.79	-116.68
138	10	594	3.44	37.00	-41.65	9.10	-13.75	37.63	-36.53	-420.73	-401.96	-55.30	-82.83
		596	3.37	34.91	-45.12	8.50	-18.72	37.63	-48.83	-415.41	-402.71	-61.53	-67.05
		483	3.15	33.26	-46.10	6.15	-19.00	37.63	-34.70	-346.82	-328.85	-52.67	-72.70
		481	3.23	35.40	-42.68	6.75	-14.03	37.63	-20.95	-353.59	-328.10	-46.44	-88.48
138	14	594	1.21	17.41	-16.12	17.33	-16.04	1.69	4.33	-118.34	-81.40	-32.61	-56.28
		596	1.19	17.28	-17.26	17.19	-17.18	1.69	-7.42	-117.23	-82.54	-42.11	-51.05
		483	1.01	11.47	-17.97	11.37	-17.88	1.69	11.78	-109.02	-58.07	-39.17	-59.66
		481	1.04	11.61	-16.83	11.51	-16.73	1.69	23.00	-109.60	-56.93	-29.68	-64.89
138	16	594	1.09	15.56	-16.10	15.48	-16.02	1.61	-2.52	-102.56	-72.32	-32.75	-45.94
		596	1.06	15.43	-17.22	15.35	-17.14	1.61	-14.02	-102.36	-73.53	-42.85	-41.42
		483	0.91	10.28	-17.86	10.19	-17.76	1.61	4.58	-97.28	-52.38	-40.31	-50.57
		481	0.94	10.42	-16.73	10.32	-16.63	1.61	15.38	-96.77	-51.17	-30.22	-55.09
139	1	365	9.85	81.34	-169.03	-168.92	81.22	-5.39	321.92	-505.78	-505.78	321.92	-1.98
		175	9.85	81.34	-169.03	-168.92	81.22	-5.39	321.92	-505.78	-505.78	321.92	-1.98
		260	9.85	81.34	-169.03	-168.92	81.22	-5.39	321.92	-505.78	-505.78	321.92	-1.98
139	11	365	47.21	673.34	-745.14	-744.10	672.30	-38.45	2331.07	-443.15	2329.10	-441.18	73.91
		175	47.21	673.34	-745.14	-744.10	672.30	-38.45	2331.07	-443.15	2329.10	-441.18	73.91
		260	47.21	673.34	-745.14	-744.10	672.30	-38.45	2331.07	-443.15	2329.10	-441.18	73.91
139	13	365	7.58	62.57	-130.03	-129.94	62.48	-4.15	247.63	-389.06	-389.06	247.63	-1.52
		175	7.58	62.57	-130.03	-129.94	62.48	-4.15	247.63	-389.06	-389.06	247.63	-1.52
		260	7.58	62.57	-130.03	-129.94	62.48	-4.15	247.63	-389.06	-389.06	247.63	-1.52
139	15	365	7.58	62.57	-130.03	-129.94	62.48	-4.15	247.63	-389.06	-389.06	247.63	-1.52
		175	7.58	62.57	-130.03	-129.94	62.48	-4.15	247.63	-389.06	-389.06	247.63	-1.52
		260	7.58	62.57	-130.03	-129.94	62.48	-4.15	247.63	-389.06	-389.06	247.63	-1.52
140	1	239	9.85	81.34	-169.03	-164.45	76.76	-33.54	321.92	-505.78	-486.11	302.25	-126.07
		187	9.85	81.34	-169.03	-164.45	76.76	-33.54	321.92	-505.78	-486.11	302.25	-126.07
		365	9.85	81.34	-169.03	-164.45	76.76	-33.54	321.92	-505.78	-486.11	302.25	-126.07
140	9	239	47.21	673.34	-745.14	-721.29	649.49	-182.39	2331.08	-443.17	2284.09	-396.18	357.96
		187	47.21	673.34	-745.14	-721.29	649.49	-182.39	2331.08	-443.17	2284.09	-396.18	357.96
		365	47.21	673.34	-745.14	-721.29	649.49	-182.39	2331.08	-443.17	2284.09	-396.18	357.96
140	13	239	7.58	62.57	-130.03	-126.50	59.05	-25.80	247.63	-389.06	-373.93	232.50	-96.98
		187	7.58	62.57	-130.03	-126.50	59.05	-25.80	247.63	-389.06	-373.93	232.50	-96.98
		365	7.58	62.57	-130.03	-126.50	59.05	-25.80	247.63	-389.06	-373.93	232.50	-96.98
140	15	239	7.58	62.57	-130.03	-126.50	59.05	-25.80	247.63	-389.06	-373.93	232.50	-96.98
		187	7.58	62.57	-130.03	-126.50	59.05	-25.80	247.63	-389.06	-373.93	232.50	-96.98
		365	7.58	62.57	-130.03	-126.50	59.05	-25.80	247.63	-389.06	-373.93	232.50	-96.98
141	1	177	9.64	43.56	-193.19	-180.27	30.65	-53.76	-125.77	-775.92	-728.30	-173.39	-169.39
		166	9.64	43.56	-193.19	-180.27	30.65	-53.76	-125.77	-775.92	-728.30	-173.39	-169.39
		165	9.64	43.56	-193.19	-180.27	30.65	-53.76	-125.77	-775.92	-728.30	-173.39	-169.39
141	5	177	48.71	361.71	-1302.05	-1249.12	308.78	292.00	145.00	-1631.97	-1449.81	-37.16	-538.98
		166	48.71	361.71	-1302.05	-1249.12	308.78	292.00	145.00	-1631.97	-1449.81	-37.16	-538.98
		165	48.71	361.71	-1302.05	-1249.12	308.78	292.00	145.00	-1631.97	-1449.81	-37.16	-538.98
141	13	177	7.42	33.51	-148.61	-138.67	23.58	-41.36	-96.75	-596.86	-560.23	-133.38	-130.30
		166	7.42	33.51	-148.61	-138.67	23.58	-41.36	-96.75	-596.86	-560.23	-133.38	-130.30
		165	7.42	33.51	-148.61	-138.67	23.58	-41.36	-96.75	-596.86	-560.23	-133.38	-130.30
141	15	177	7.42	33.51	-148.61	-138.67	23.58	-41.36	-96.75	-596.86	-560.23	-133.38	-130.30
		166	7.42	33.51	-148.61	-138.67	23.58	-41.36	-96.75	-596.86	-560.23	-133.38	-130.30
		165	7.42	33.51	-148.61	-138.67	23.58	-41.36	-96.75	-596.86	-560.23	-133.38	-130.30

142	2	175	8.13	45.77	-251.65	33.18	-239.06	59.88	-194.78	-370.06	-361.93	-202.91	36.85
		166	5.12	36.92	-100.88	2.09	-66.05	59.88	-419.27	-623.98	-421.46	-621.80	-21.04
		177	4.88	27.64	-102.51	-62.90	-11.97	59.88	-432.86	-788.70	-451.96	-769.60	-80.19
		260	8.59	-149.22	-330.03	-171.90	-307.35	59.88	-71.02	-418.13	-385.21	-103.94	-101.70
142	5	175	69.26	380.87	-2132.69	-1999.25	247.43	563.56	328.43	-942.34	230.05	-843.95	339.63
		166	61.86	307.07	-1803.03	-1639.91	143.95	563.56	-89.59	-1878.32	-136.07	-1831.83	-284.60
		177	51.41	367.00	-1338.81	-1126.10	154.29	563.56	-335.40	-2395.93	-522.64	-2208.68	-592.25
		260	38.75	706.39	-812.76	-562.45	456.08	563.56	-564.49	-852.66	-695.45	-721.71	143.49
142	13	175	5.62	-67.99	-174.04	-107.02	-135.00	51.14	-196.23	-324.54	-293.78	-227.00	54.78
		166	5.07	-13.74	-138.95	-112.45	-40.24	51.14	-340.49	-505.08	-340.49	-505.08	0.79
		177	5.31	9.35	-150.40	-131.88	-9.17	51.14	-362.82	-612.07	-370.78	-604.10	-43.84
		260	6.57	-119.36	-221.95	-174.61	-166.70	51.14	-158.73	-343.12	-337.01	-164.84	-33.02
142	15	175	5.62	-67.99	-174.04	-107.02	-135.00	51.14	-196.23	-324.54	-293.78	-227.00	54.78
		166	5.07	-13.74	-138.95	-112.45	-40.24	51.14	-340.49	-505.08	-340.49	-505.08	0.79
		177	5.31	9.35	-150.40	-131.88	-9.17	51.14	-362.82	-612.07	-370.78	-604.10	-43.84
		260	6.57	-119.36	-221.95	-174.61	-166.70	51.14	-158.73	-343.12	-337.01	-164.84	-33.02
143	4	596	2.90	28.62	-17.38	28.58	-17.34	1.42	-41.45	-406.69	-381.14	-67.01	-93.17
		598	2.85	28.53	-18.13	28.49	-18.09	1.42	-56.41	-396.61	-381.66	-71.36	-69.73
		486	2.13	18.91	-19.30	18.85	-19.24	1.42	-35.26	-294.85	-271.91	-58.19	-73.67
		483	2.21	19.00	-18.55	18.94	-18.49	1.42	-16.80	-308.43	-271.39	-53.84	-97.11
143	10	596	3.58	36.85	-43.65	11.55	-18.35	37.37	-64.94	-485.35	-479.54	-70.75	-49.08
		598	3.51	35.07	-47.02	11.00	-22.95	37.37	-76.62	-482.82	-480.52	-78.92	-30.48
		486	3.20	33.30	-47.94	8.60	-23.24	37.37	-64.11	-397.78	-393.42	-68.47	-37.88
		483	3.28	35.13	-44.61	9.16	-18.64	37.37	-50.96	-401.79	-392.44	-60.30	-56.48
143	14	596	1.73	17.43	-17.19	17.40	-17.15	1.11	-47.03	-228.57	-217.31	-58.28	-43.78
		598	1.70	17.35	-17.88	17.31	-17.84	1.11	-58.83	-224.59	-218.15	-65.26	-32.02
		486	1.33	11.67	-18.57	11.63	-18.53	1.11	-46.09	-175.68	-163.11	-58.66	-38.35
		483	1.36	11.76	-17.88	11.72	-17.83	1.11	-32.35	-181.60	-162.27	-51.68	-50.11
143	16	596	1.53	15.57	-17.16	15.53	-17.12	1.05	-47.93	-198.90	-190.01	-56.83	-35.55
		598	1.51	15.48	-17.84	15.45	-17.80	1.05	-59.22	-195.93	-190.90	-64.25	-25.74
		486	1.19	10.47	-18.44	10.43	-18.41	1.05	-47.88	-155.83	-144.97	-58.74	-32.46
		483	1.23	10.55	-17.76	10.51	-17.73	1.05	-34.94	-160.46	-144.08	-51.32	-42.27
144	4	598	3.35	28.65	-18.07	28.65	-18.07	0.49	-81.15	-506.87	-502.20	-85.82	-44.33
		600	3.33	28.62	-18.32	28.62	-18.32	0.49	-86.90	-502.88	-502.39	-87.39	-14.27
		488	2.43	19.06	-19.47	19.05	-19.47	0.49	-69.67	-362.54	-361.69	-70.51	-15.70
		486	2.46	19.09	-19.22	19.08	-19.21	0.49	-61.95	-368.49	-361.50	-68.94	-45.75
144	6	598	3.59	27.20	-42.59	24.54	-39.93	13.37	-125.70	-515.82	-515.72	-125.80	-6.21
		600	3.60	26.93	-44.35	24.32	-41.75	13.37	-129.37	-516.16	-516.15	-129.37	1.49
		488	3.29	21.23	-45.26	18.42	-42.46	13.37	-125.04	-480.12	-480.11	-125.05	-1.74
		486	3.29	21.51	-43.51	18.64	-40.64	13.37	-121.23	-479.93	-479.68	-121.48	-9.44
144	14	598	1.98	17.41	-17.84	17.41	-17.83	0.38	-71.05	-285.55	-283.49	-73.11	-20.88
		600	1.96	17.39	-18.07	17.38	-18.06	0.38	-75.46	-283.98	-283.80	-75.64	-6.17
		488	1.51	11.78	-18.74	11.78	-18.74	0.38	-66.89	-215.43	-214.94	-67.38	-8.47
		486	1.52	11.81	-18.51	11.81	-18.51	0.38	-61.34	-218.14	-214.64	-64.84	-23.17
144	16	598	1.75	15.54	-17.80	15.54	-17.79	0.36	-69.37	-248.66	-247.04	-70.99	-16.97
		600	1.74	15.51	-18.02	15.51	-18.02	0.36	-73.55	-247.50	-247.37	-73.68	-4.82
		488	1.35	10.57	-18.62	10.56	-18.61	0.36	-66.43	-190.91	-190.48	-66.85	-7.26
		486	1.36	10.60	-18.39	10.59	-18.39	0.36	-61.24	-193.08	-190.16	-64.16	-19.41
145	4	600	3.33	28.62	-18.32	28.62	-18.32	-0.49	-86.90	-502.88	-502.39	-87.39	14.27
		602	3.35	28.65	-18.07	28.65	-18.07	-0.49	-81.15	-506.87	-502.20	-85.82	44.33
		490	2.46	19.09	-19.22	19.08	-19.21	-0.49	-61.95	-368.49	-361.50	-68.94	45.75
		488	2.43	19.06	-19.47	19.05	-19.47	-0.49	-69.67	-362.54	-361.69	-70.51	15.70
145	5	600	3.60	26.93	-44.35	24.32	-41.75	-13.37	-129.37	-516.16	-516.15	-129.37	-1.49
		602	3.59	27.20	-42.59	24.54	-39.93	-13.37	-125.70	-515.82	-515.72	-125.80	6.21
		490	3.29	21.51	-43.51	18.64	-40.64	-13.37	-121.23	-479.93	-479.68	-121.48	9.44
		488	3.29	21.23	-45.26	18.42	-42.46	-13.37	-125.04	-480.12	-480.11	-125.05	1.74
145	14	600	1.96	17.39	-18.07	17.38	-18.06	-0.38	-75.46	-283.98	-283.80	-75.64	6.17
		602	1.98	17.41	-17.84	17.41	-17.83	-0.38	-71.05	-285.55	-283.49	-73.11	20.88
		490	1.52	11.81	-18.51	11.81	-18.51	-0.38	-61.34	-218.14	-214.64	-64.84	23.17
		488	1.51	11.78	-18.74	11.78	-18.74	-0.38	-66.89	-215.43	-214.94	-67.38	8.47
145	16	600	1.74	15.51	-18.02	15.51	-18.02	-0.36	-73.55	-247.50	-247.37	-73.68	4.82
		602	1.75	15.54	-17.80	15.54	-17.79	-0.36	-69.37	-248.66	-247.04	-70.99	16.97
		490	1.36	10.60	-18.39	10.59	-18.39	-0.36	-61.24	-193.08	-190.16	-64.16	19.41
		488	1.35	10.57	-18.62	10.56	-18.61	-0.36	-66.43	-190.91	-190.48	-66.85	7.26
146	4	602	2.85	28.53	-18.13	28.49	-18.09	-1.42	-56.41	-396.61	-381.66	-71.36	69.73
		604	2.90	28.62	-17.38	28.58	-17.34	-1.42	-41.45	-406.69	-381.14	-67.01	93.17
		492	2.21	19.00	-18.55	18.94	-18.49	-1.42	-16.80	-308.43	-271.39	-53.84	97.11
		490	2.13	18.91	-19.30	18.85	-19.24	-1.42	-35.26	-294.85	-271.91	-58.19	73.67
146	9	602	3.51	35.07	-47.02	11.00	-22.95	-37.37	-76.62	-482.82	-480.52	-78.92	30.48
		604	3.58	36.85	-43.65	11.55	-18.35	-37.37	-64.94	-485.35	-479.54	-70.75	49.08
		492	3.28	35.13	-44.61	9.16	-18.64	-37.37	-50.96	-401.79	-392.44	-60.30	56.48
		490	3.20	33.30	-47.94	8.60	-23.24	-37.37	-64.11	-397.78	-393.42	-68.47	37.88
146	14	602	1.70	17.35	-17.88	17.31	-17.84	-1.11	-58.83	-224.59	-218.15	-65.26	32.02
		604	1.73	17.43	-17.19	17.40	-17.15	-1.11	-47.03	-228.57	-217.31	-58.28	43.78
		492	1.36	11.76	-17.88	11.72	-17.83	-1.11	-32.35	-181.60	-162.27	-51.68	50.11
		490	1.33	11.67	-18.57	11.63	-18.53	-1.11	-46.09	-175.68	-163.11	-58.66	38.35
146	16	602	1.51	15.48	-17.84	15.45	-17.80	-1.05	-59.22	-195.93	-190.90	-64.25	25.74

		604	1.53	15.57	-17.16	15.53	-17.12	-1.05	-47.93	-198.90	-190.01	-56.83	35.55
		492	1.23	10.55	-17.76	10.51	-17.73	-1.05	-34.94	-160.46	-144.08	-51.32	42.27
		490	1.19	10.47	-18.44	10.43	-18.41	-1.05	-47.88	-155.83	-144.97	-58.74	32.46
147	2	604	1.96	28.56	-22.56	28.44	-22.44	-2.48	12.24	-201.56	-137.02	-52.30	98.15
		606	2.00	28.74	-21.04	28.62	-20.91	-2.48	28.24	-205.95	-135.78	-41.93	107.28
		494	1.70	19.03	-22.23	18.88	-22.08	-2.48	55.12	-184.92	-93.00	-36.79	116.68
		492	1.64	18.84	-23.75	18.70	-23.61	-2.48	39.39	-180.80	-94.25	-47.16	107.55
147	9	604	3.37	34.91	-45.12	8.50	-18.72	-37.63	-48.83	-415.41	-402.71	-61.53	67.05
		606	3.44	37.00	-41.65	9.10	-13.75	-37.63	-36.53	-420.73	-401.96	-55.30	82.83
		494	3.23	35.40	-42.68	6.75	-14.03	-37.63	-20.95	-353.59	-328.10	-46.44	88.48
		492	3.15	33.26	-46.10	6.15	-19.00	-37.63	-34.70	-346.82	-328.85	-52.67	72.70
147	14	604	1.19	17.28	-17.26	17.19	-17.18	-1.69	-7.42	-117.23	-82.54	-42.11	51.05
		606	1.21	17.41	-16.12	17.33	-16.04	-1.69	4.33	-118.34	-81.40	-32.61	56.28
		494	1.04	11.61	-16.83	11.51	-16.73	-1.69	23.00	-109.60	-56.93	-29.68	64.89
		492	1.01	11.47	-17.97	11.37	-17.88	-1.69	11.78	-109.02	-58.07	-39.17	59.66
147	16	604	1.06	15.43	-17.22	15.35	-17.14	-1.61	-14.02	-102.36	-73.53	-42.85	41.42
		606	1.09	15.56	-16.10	15.48	-16.02	-1.61	-2.52	-102.56	-72.32	-32.75	45.94
		494	0.94	10.42	-16.73	10.32	-16.63	-1.61	15.38	-96.77	-51.17	-30.22	55.09
		492	0.91	10.28	-17.86	10.19	-17.76	-1.61	4.58	-97.28	-52.38	-40.31	50.57
148	2	260	13.19	7.22	-82.59	6.23	-81.60	9.42	2297.09	97.79	453.41	1941.47	-809.72
		177	13.19	7.22	-82.59	6.23	-81.60	9.42	2297.09	97.79	453.41	1941.47	-809.72
		259	13.19	7.22	-82.59	6.23	-81.60	9.42	2297.09	97.79	453.41	1941.47	-809.72
148	11	260	71.56	-18.31	-610.78	-96.70	-532.39	200.75	1.193e+04	1246.39	1377.36	1.180e+04	-1175.54
		177	71.56	-18.31	-610.78	-96.70	-532.39	200.75	1.193e+04	1246.39	1377.36	1.180e+04	-1175.54
		259	71.56	-18.31	-610.78	-96.70	-532.39	200.75	1.193e+04	1246.39	1377.36	1.180e+04	-1175.54
148	14	260	9.83	4.29	-75.62	3.10	-74.43	9.69	1637.80	71.22	340.35	1368.67	-590.92
		177	9.83	4.29	-75.62	3.10	-74.43	9.69	1637.80	71.22	340.35	1368.67	-590.92
		259	9.83	4.29	-75.62	3.10	-74.43	9.69	1637.80	71.22	340.35	1368.67	-590.92
148	16	260	9.71	3.81	-80.39	2.44	-79.03	10.65	1587.09	69.46	337.03	1319.52	-578.34
		177	9.71	3.81	-80.39	2.44	-79.03	10.65	1587.09	69.46	337.03	1319.52	-578.34
		259	9.71	3.81	-80.39	2.44	-79.03	10.65	1587.09	69.46	337.03	1319.52	-578.34
149	2	190	13.39	-7.96	-454.84	-7.96	-454.84	0.46	76.12	-149.77	16.27	-89.92	-99.69
		189	9.75	5.70	-324.73	5.70	-324.73	0.46	81.98	-124.98	20.50	-63.51	-94.57
		188	9.38	-32.16	-329.27	-32.16	-329.27	0.46	73.06	-93.08	41.03	-61.05	-65.54
		186	13.01	-49.79	-459.86	-49.79	-459.86	0.46	68.34	-116.59	38.95	-87.20	-67.61
149	11	190	64.36	-60.40	-2180.87	-60.46	-2180.82	-10.82	-139.40	-657.57	-139.69	-657.28	12.31
		189	48.58	2.88	-1593.16	2.81	-1593.09	-10.82	-133.50	-686.10	-135.72	-683.88	35.00
		188	47.43	-137.65	-1610.04	-137.73	-1609.96	-10.82	2.81	-667.29	2.78	-667.26	4.65
		186	63.15	-215.68	-2199.52	-215.74	-2199.46	-10.82	14.02	-639.61	13.34	-638.92	-21.21
149	14	190	9.31	-6.60	-309.66	-6.64	-309.62	3.24	23.38	-159.60	-16.39	-119.82	-75.47
		189	7.01	2.24	-225.78	2.20	-225.74	3.24	21.21	-147.27	-13.48	-112.58	-68.12
		188	6.84	-21.64	-228.65	-21.70	-228.60	3.24	49.35	-131.03	26.14	-107.82	-60.40
		186	9.13	-33.00	-312.83	-33.03	-312.79	3.24	53.96	-141.16	27.37	-114.57	-66.94
149	16	190	8.93	-6.77	-293.83	-6.84	-293.77	4.38	9.82	-177.37	-27.78	-139.78	-75.00
		189	6.82	1.42	-216.35	1.33	-216.26	4.38	5.67	-168.35	-25.00	-137.68	-66.30
		188	6.69	-20.40	-218.98	-20.50	-218.88	4.38	47.13	-154.93	24.00	-131.80	-64.33
		186	8.78	-30.89	-296.73	-30.96	-296.66	4.38	54.58	-161.50	26.36	-133.28	-72.82
150	2	192	8.64	-7.69	-281.52	-28.86	-260.34	73.15	159.90	-3.32	-3.31	159.89	1.65
		191	6.18	15.57	-188.28	-15.38	-157.33	73.15	165.14	-0.48	0.64	164.02	13.58
		189	6.24	34.60	-182.99	6.34	-154.72	73.15	174.95	64.55	67.46	172.04	17.68
		190	8.71	14.79	-277.11	-4.87	-257.46	73.15	169.13	70.13	70.51	168.75	6.19
150	7	192	60.11	-176.19	-2101.00	-190.34	-2086.85	164.43	-17.32	-618.44	-67.12	-568.64	-165.70
		191	41.85	-83.40	-1429.99	-103.79	-1409.60	164.43	-10.33	-574.18	-61.24	-523.27	-161.60
		189	42.94	17.51	-1416.45	-1.60	-1397.34	164.43	-27.64	-547.41	-52.79	-522.26	-111.54
		190	61.23	-63.97	-2086.76	-77.43	-2073.30	164.43	-34.90	-590.40	-57.78	-567.52	-110.39
150	14	192	5.74	-5.88	-190.80	-18.46	-178.22	46.56	66.58	-54.12	-15.11	27.57	-56.46
		191	4.36	7.41	-133.03	-10.25	-115.37	46.56	74.00	-37.80	-10.62	46.82	-47.96
		189	4.30	19.06	-130.13	2.75	-113.82	46.56	70.56	12.87	31.55	51.88	-27.00
		190	5.70	7.67	-188.27	-4.10	-176.50	46.56	65.62	-0.98	31.49	33.16	-33.29
150	16	192	5.39	-5.83	-180.70	-16.99	-169.54	42.73	64.32	-94.39	-20.06	-10.02	-79.20
		191	4.21	5.74	-128.51	-9.62	-113.15	42.73	72.88	-72.32	-14.99	15.56	-70.97
		189	4.10	16.18	-126.04	1.91	-111.77	42.73	64.88	-21.16	23.54	20.18	-42.99
		190	5.30	6.24	-178.49	-4.25	-168.01	42.73	58.99	-41.38	22.52	-4.91	-48.28
151	4	368	4.85	96.55	30.01	96.42	30.15	-3.02	-43.40	-517.93	-514.96	-46.37	37.42
		378	5.10	102.42	19.63	102.31	19.74	-3.02	-54.03	-519.17	-516.46	-56.73	35.37
		475	9.30	257.30	38.61	257.26	38.65	-3.02	-55.32	-523.85	-522.05	-57.12	28.97
		172	9.43	266.30	51.57	266.25	51.61	-3.02	-44.16	-522.95	-521.00	-46.11	30.52
151	12	368	9.74	16.55	-142.03	-93.47	-32.01	-73.09	1436.11	73.85	1435.56	74.39	-27.17
		378	10.07	-7.42	-162.34	-110.53	-59.23	-73.09	1445.17	97.60	1444.94	97.83	17.63
		475	18.49	-78.33	-426.04	-409.93	-94.44	-73.09	1588.01	113.66	1587.38	114.29	30.54
		172	19.06	-54.34	-435.80	-421.24	-68.90	-73.09	1591.58	90.76	1591.42	90.93	-15.96
151	13	368	5.73	-10.38	-68.91	-68.89	-10.39	-0.84	868.53	173.60	866.54	175.59	-37.16
		378	5.71	-12.31	-69.37	-69.36	-12.32	-0.84	878.38	217.47	878.26	217.59	8.94
		475	6.52	-12.87	-74.46	-74.45	-12.88	-0.84	1024.45	232.41	1023.04	233.82	33.41
		172	6.61	-10.86	-74.47	-74.46	-10.87	-0.84	1025.03	190.43	1024.82	190.64	-13.32
151	15	368	5.73	-10.38	-68.91	-68.89	-10.39	-0.84	868.53	173.60	866.54	175.59	-37.16
		378	5.71	-12.31	-69.37	-69.36	-12.32	-0.84	878.38	217.47	878.26	217.59	8.94

		475	6.52	-12.87	-74.46	-74.45	-12.88	-0.84	1024.45	232.41	1023.04	233.82	33.41
		172	6.61	-10.86	-74.47	-74.46	-10.87	-0.84	1025.03	190.43	1024.82	190.64	-13.32
152	4	378	3.77	88.61	18.02	85.76	20.87	-13.89	-28.00	-311.17	-298.77	-40.40	57.94
		389	4.50	99.43	-10.50	97.64	-8.71	-13.89	3.57	-307.39	-293.63	-10.19	63.94
		397	7.67	222.34	9.46	221.43	10.37	-13.89	11.82	-306.65	-282.00	-12.83	85.10
		475	7.77	243.59	47.97	242.60	48.96	-13.89	-20.64	-311.43	-284.54	-47.53	84.25
152	5	378	14.10	317.11	-237.19	-23.33	103.24	269.83	53.27	-373.86	-363.91	43.33	-64.40
		389	15.01	436.56	-134.48	57.70	244.38	269.83	62.82	-347.19	-345.33	60.96	-27.56
		397	20.18	731.57	123.63	567.57	287.63	269.83	76.16	-215.52	-213.98	74.62	-21.15
		475	22.01	740.18	19.50	618.67	141.01	269.83	72.27	-211.91	-198.25	58.61	-60.79
152	13	378	4.41	-11.38	-70.24	-70.09	-11.53	-2.98	589.14	176.61	589.00	176.75	-7.50
		389	4.41	-19.46	-71.05	-70.88	-19.63	-2.98	600.95	204.23	600.55	204.63	12.59
		397	4.68	-18.18	-69.50	-69.32	-18.35	-2.98	667.53	206.93	665.63	208.83	29.53
		475	4.77	-8.74	-68.15	-68.00	-8.89	-2.98	671.07	178.37	670.80	178.64	11.67
152	15	378	4.41	-11.38	-70.24	-70.09	-11.53	-2.98	589.14	176.61	589.00	176.75	-7.50
		389	4.41	-19.46	-71.05	-70.88	-19.63	-2.98	600.95	204.23	600.55	204.63	12.59
		397	4.68	-18.18	-69.50	-69.32	-18.35	-2.98	667.53	206.93	665.63	208.83	29.53
		475	4.77	-8.74	-68.15	-68.00	-8.89	-2.98	671.07	178.37	670.80	178.64	11.67
153	4	397	5.30	148.32	-23.61	148.30	-23.59	1.63	166.32	44.32	166.27	44.37	2.35
		398	5.30	148.32	-23.61	148.30	-23.59	1.63	166.32	44.32	166.27	44.37	2.35
		356	5.30	148.32	-23.61	148.30	-23.59	1.63	166.32	44.32	166.27	44.37	2.35
153	5	397	28.93	966.43	-52.52	596.99	316.92	489.85	139.00	-201.15	-156.31	94.15	115.08
		398	28.93	966.43	-52.52	596.99	316.92	489.85	139.00	-201.15	-156.31	94.15	115.08
		356	28.93	966.43	-52.52	596.99	316.92	489.85	139.00	-201.15	-156.31	94.15	115.08
153	14	397	2.39	63.50	-18.42	63.50	-18.42	-0.42	154.31	29.72	96.72	87.32	62.12
		398	2.39	63.50	-18.42	63.50	-18.42	-0.42	154.31	29.72	96.72	87.32	62.12
		356	2.39	63.50	-18.42	63.50	-18.42	-0.42	154.31	29.72	96.72	87.32	62.12
153	15	397	2.39	-10.43	-63.95	-63.72	-10.66	-3.50	243.49	-99.36	-7.62	151.75	151.78
		398	2.39	-10.43	-63.95	-63.72	-10.66	-3.50	243.49	-99.36	-7.62	151.75	151.78
		356	2.39	-10.43	-63.95	-63.72	-10.66	-3.50	243.49	-99.36	-7.62	151.75	151.78
154	4	397	5.43	145.99	-38.42	88.74	18.83	85.32	166.95	-26.46	20.22	120.27	82.76
		400	5.43	145.99	-38.42	88.74	18.83	85.32	166.95	-26.46	20.22	120.27	82.76
		398	5.43	145.99	-38.42	88.74	18.83	85.32	166.95	-26.46	20.22	120.27	82.76
154	7	397	20.28	32.22	-644.19	17.28	-629.25	99.41	192.79	-338.49	-208.40	62.69	-228.45
		400	20.28	32.22	-644.19	17.28	-629.25	99.41	192.79	-338.49	-208.40	62.69	-228.45
		398	20.28	32.22	-644.19	17.28	-629.25	99.41	192.79	-338.49	-208.40	62.69	-228.45
154	14	397	2.97	67.02	-39.00	42.63	-14.61	44.63	135.91	17.60	18.12	135.38	-7.87
		400	2.97	67.02	-39.00	42.63	-14.61	44.63	135.91	17.60	18.12	135.38	-7.87
		398	2.97	67.02	-39.00	42.63	-14.61	44.63	135.91	17.60	18.12	135.38	-7.87
154	16	397	2.80	54.20	-39.43	34.94	-20.18	37.84	142.15	13.53	17.77	137.90	-22.98
		400	2.80	54.20	-39.43	34.94	-20.18	37.84	142.15	13.53	17.77	137.90	-22.98
		398	2.80	54.20	-39.43	34.94	-20.18	37.84	142.15	13.53	17.77	137.90	-22.98
155	2	606	2.41	28.27	-21.15	28.10	-20.98	-2.95	272.42	-39.67	230.70	2.05	106.20
		608	2.32	28.52	-19.11	28.34	-18.93	-2.95	266.50	-23.20	231.83	11.46	94.02
		496	1.87	18.65	-20.34	18.42	-20.12	-2.95	222.96	-43.55	174.80	4.62	102.55
		494	1.97	18.39	-22.38	18.18	-22.17	-2.95	229.78	-60.91	173.67	-4.79	114.73
155	10	606	3.24	32.11	-38.69	24.40	-30.98	22.05	328.11	-7.34	307.36	13.41	80.81
		608	3.19	32.44	-37.28	24.58	-29.42	22.05	327.04	-1.88	307.83	17.33	77.13
		496	3.03	27.33	-38.58	18.86	-30.11	22.05	312.49	-6.64	290.59	15.26	80.68
		494	3.08	26.96	-39.97	18.67	-31.67	22.05	313.66	-12.20	290.12	11.34	84.36
155	14	606	1.49	17.11	-16.20	16.99	-16.08	-2.00	151.30	-26.94	131.43	-7.07	56.09
		608	1.43	17.30	-14.65	17.18	-14.52	-2.00	149.24	-15.15	132.47	1.62	49.75
		496	1.18	11.37	-15.39	11.22	-15.24	-2.00	128.31	-27.44	102.81	-1.94	57.64
		494	1.25	11.17	-16.93	11.03	-16.79	-2.00	130.72	-39.59	101.76	-10.63	63.97
155	16	606	1.35	15.28	-16.17	15.17	-16.05	-1.90	128.52	-25.71	113.30	-10.48	46.01
		608	1.29	15.47	-14.63	15.35	-14.51	-1.90	127.39	-14.20	114.41	-1.21	40.86
		496	1.08	10.19	-15.29	10.05	-15.15	-1.90	111.36	-25.12	90.34	-4.10	49.27
		494	1.16	10.00	-16.82	9.87	-16.69	-1.90	112.71	-36.85	89.23	-13.37	54.41
156	2	608	4.55	27.67	-19.18	27.52	-19.03	-2.66	752.18	65.76	744.90	73.03	70.30
		421	4.50	27.96	-16.84	27.80	-16.68	-2.66	746.34	76.50	745.43	77.41	24.78
		521	3.26	18.19	-18.06	18.00	-17.86	-2.66	534.03	50.13	532.31	51.84	28.75
		496	3.33	17.90	-20.39	17.72	-20.21	-2.66	542.92	36.32	531.79	47.46	74.27
156	10	608	4.69	30.09	-34.50	24.97	-29.38	17.45	719.51	61.65	714.98	66.18	54.43
		421	4.59	30.82	-31.00	25.42	-25.60	17.45	717.08	67.17	715.31	68.94	33.88
		521	4.02	25.39	-32.20	19.50	-26.31	17.45	621.42	55.04	619.08	57.39	36.37
		496	4.13	24.61	-35.66	19.04	-30.09	17.45	624.44	48.95	618.75	54.64	56.92
156	14	608	2.74	16.72	-14.69	16.62	-14.59	-1.76	439.79	34.47	436.19	38.07	38.05
		421	2.70	16.94	-12.88	16.84	-12.78	-1.76	437.07	41.62	436.66	42.03	12.73
		521	2.01	11.07	-13.61	10.94	-13.49	-1.76	319.05	26.89	318.13	27.80	16.32
		496	2.06	10.84	-15.42	10.73	-15.30	-1.76	323.44	18.06	317.66	23.85	41.63
156	16	608	2.45	14.92	-14.66	14.83	-14.57	-1.65	385.13	28.09	382.29	30.94	31.73
		421	2.41	15.14	-12.86	15.04	-12.76	-1.65	383.09	34.82	382.79	35.12	10.24
		521	1.81	9.92	-13.51	9.80	-13.39	-1.65	282.91	22.29	282.15	23.05	14.03
		496	1.86	9.69	-15.31	9.58	-15.20	-1.65	286.37	14.14	281.65	18.86	35.53
157	1	377	4.13	-4.14	-69.07	-4.93	-68.28	7.10	21.25	-550.22	-95.03	-433.93	-230.07
		356	4.06	-5.40	-78.92	-6.09	-78.23	7.10	21.12	-477.33	-80.38	-375.83	-200.72
		191	4.16	-4.76	-78.84	-5.45	-78.15	7.10	108.71	-398.56	68.16	-358.01	-137.58

		192	4.21	-3.45	-68.98	-4.23	-68.20	7.10	117.42	-462.57	69.09	-414.24	-160.30
157	7	377	42.78	-62.72	-1466.84	-68.13	-1461.44	86.93	4.67	-463.14	-54.04	-404.43	-154.98
		356	34.61	-28.88	-1171.78	-35.53	-1165.13	86.93	7.01	-416.09	-45.19	-363.89	-139.14
		191	34.22	-85.82	-1178.96	-92.78	-1172.00	86.93	53.95	-376.68	31.91	-354.64	-94.90
		192	42.35	-125.75	-1474.65	-131.38	-1469.02	86.93	56.14	-419.20	31.15	-394.20	-106.10
157	13	377	3.18	-3.19	-53.13	-3.79	-52.52	5.46	16.35	-423.24	-73.10	-333.79	-176.98
		356	3.12	-4.15	-60.71	-4.68	-60.17	5.46	16.24	-367.18	-61.83	-289.10	-154.40
		191	3.20	-3.67	-60.64	-4.19	-60.11	5.46	83.63	-306.58	52.43	-275.39	-105.83
		192	3.24	-2.65	-53.06	-3.25	-52.46	5.46	90.32	-355.82	53.15	-318.64	-123.31
157	15	377	3.18	-3.19	-53.13	-3.79	-52.52	5.46	16.35	-423.24	-73.10	-333.79	-176.98
		356	3.12	-4.15	-60.71	-4.68	-60.17	5.46	16.24	-367.18	-61.83	-289.10	-154.40
		191	3.20	-3.67	-60.64	-4.19	-60.11	5.46	83.63	-306.58	52.43	-275.39	-105.83
		192	3.24	-2.65	-53.06	-3.25	-52.46	5.46	90.32	-355.82	53.15	-318.64	-123.31
158	4	397	4.83	143.14	4.89	139.81	8.22	-21.20	154.96	-19.36	151.17	-15.57	-25.42
		356	4.76	142.55	0.83	139.31	4.07	-21.20	155.12	16.84	155.06	16.89	2.68
		377	6.20	192.41	7.47	189.95	9.93	-21.20	181.31	21.04	180.71	21.64	9.84
		388	6.26	193.02	12.00	190.50	14.52	-21.20	178.73	-16.55	176.40	-14.22	-21.20
158	5	397	23.05	812.17	37.79	806.60	43.36	65.41	40.71	-116.98	-85.26	8.99	63.21
		356	23.11	810.89	27.76	805.39	33.26	65.41	38.07	-130.61	-87.01	-5.52	73.85
		377	34.88	1248.74	81.82	1245.06	85.50	65.41	39.15	-121.75	-77.47	-5.13	71.86
		388	34.81	1250.11	92.95	1246.40	96.66	65.41	41.72	-106.36	-75.54	10.91	60.11
158	14	397	2.27	61.48	2.27	59.53	4.22	-10.57	120.32	-1.96	119.49	-1.13	10.03
		356	2.26	60.95	-1.20	59.10	0.66	-10.57	125.58	20.25	122.43	23.39	17.92
		377	3.20	94.49	3.33	93.25	4.57	-10.57	134.44	20.83	129.74	25.54	22.64
		388	3.21	95.02	7.22	93.73	8.51	-10.57	127.98	-3.05	126.49	-1.56	13.91
158	16	397	1.85	47.89	1.81	46.15	3.56	-8.79	116.42	-0.93	114.21	1.27	15.93
		356	1.84	47.37	-1.55	45.73	0.09	-8.79	121.32	20.15	117.00	24.48	20.46
		377	2.70	78.17	2.64	77.14	3.68	-8.79	127.31	20.12	121.24	26.19	24.77
		388	2.71	78.68	6.42	77.60	7.51	-8.79	121.40	-2.68	118.17	0.55	19.76
159	1	194	5.37	12.38	-24.38	12.36	-24.37	-0.69	-221.90	-1102.79	-969.76	-354.93	-315.42
		197	6.10	11.48	-31.84	11.47	-31.83	-0.69	-277.94	-1321.97	-999.24	-600.66	-482.48
		196	8.52	-37.98	-41.24	-41.08	-38.14	-0.69	-317.58	-1707.57	-1378.93	-646.23	-590.60
		195	7.71	-30.62	-40.24	-40.19	-30.67	-0.69	-238.95	-1510.98	-1349.44	-400.49	-423.54
159	11	194	22.66	137.52	-57.29	130.13	-49.90	37.23	818.28	-3139.96	-3017.81	696.13	-684.53
		197	22.73	148.86	7.36	138.27	17.95	37.23	872.44	-3302.31	-3029.40	599.52	-1031.92
		196	22.85	38.33	-36.13	0.75	1.44	37.23	757.05	-4071.19	-3818.92	504.78	-1074.43
		195	22.73	10.61	-84.39	-7.39	-66.40	37.23	718.19	-3924.13	-3807.33	601.39	-727.04
159	13	194	4.13	9.52	-18.75	9.51	-18.74	-0.53	-170.69	-848.30	-745.97	-273.03	-242.63
		197	4.70	8.83	-24.50	8.82	-24.49	-0.53	-213.80	-1016.90	-768.65	-462.05	-371.14
		196	6.56	-29.22	-31.72	-31.60	-29.34	-0.53	-244.29	-1313.52	-1060.71	-497.10	-454.31
		195	5.93	-23.56	-30.95	-30.91	-23.59	-0.53	-183.81	-1162.29	-1038.03	-308.07	-325.80
159	15	194	4.13	9.52	-18.75	9.51	-18.74	-0.53	-170.69	-848.30	-745.97	-273.03	-242.63
		197	4.70	8.83	-24.50	8.82	-24.49	-0.53	-213.80	-1016.90	-768.65	-462.05	-371.14
		196	6.56	-29.22	-31.72	-31.60	-29.34	-0.53	-244.29	-1313.52	-1060.71	-497.10	-454.31
		195	5.93	-23.56	-30.95	-30.91	-23.59	-0.53	-183.81	-1162.29	-1038.03	-308.07	-325.80
160	1	195	8.23	-30.47	-41.15	-40.27	-31.35	-2.94	83.93	-1485.26	-1312.09	-89.25	-491.69
		196	10.25	-23.58	-39.95	-39.40	-24.13	-2.94	478.68	-1677.39	-1290.38	91.67	-827.44
		199	13.54	-28.53	-77.76	-77.58	-28.71	-2.94	243.57	-2296.91	-2053.44	0.10	-747.83
		198	12.13	-35.73	-78.65	-78.45	-35.93	-2.94	-95.05	-2160.91	-2075.15	-180.81	-412.08
160	11	195	25.74	48.61	-95.49	-4.51	-42.38	69.52	1949.76	-3676.68	-3648.86	1921.94	-394.68
		196	29.79	95.93	-47.87	5.67	42.40	69.52	3368.68	-3593.57	-3487.93	3263.04	-851.10
		199	35.68	63.73	-118.15	-85.84	31.41	69.52	3147.44	-4534.12	-4525.25	3138.56	-261.01
		198	30.44	-1.97	-147.40	-96.01	-53.36	69.52	1803.34	-4692.06	-4686.18	1797.46	195.41
160	13	195	6.33	-23.44	-31.65	-30.97	-24.11	-2.26	64.56	-1142.51	-1009.30	-68.65	-378.22
		196	7.88	-18.14	-30.73	-30.31	-18.56	-2.26	368.22	-1290.30	-992.60	70.52	-636.49
		199	10.42	-21.95	-59.81	-59.68	-22.08	-2.26	187.36	-1766.85	-1579.57	0.08	-575.25
		198	9.33	-27.48	-60.50	-60.34	-27.64	-2.26	-73.12	-1662.24	-1596.27	-139.09	-316.99
160	15	195	6.33	-23.44	-31.65	-30.97	-24.11	-2.26	64.56	-1142.51	-1009.30	-68.65	-378.22
		196	7.88	-18.14	-30.73	-30.31	-18.56	-2.26	368.22	-1290.30	-992.60	70.52	-636.49
		199	10.42	-21.95	-59.81	-59.68	-22.08	-2.26	187.36	-1766.85	-1579.57	0.08	-575.25
		198	9.33	-27.48	-60.50	-60.34	-27.64	-2.26	-73.12	-1662.24	-1596.27	-139.09	-316.99
161	1	198	12.36	-42.92	-79.39	-79.29	-43.01	-1.81	164.90	-2106.34	-2041.45	100.01	-378.38
		199	13.56	-26.41	-77.38	-77.31	-26.48	-1.81	451.37	-2175.22	-2018.14	294.29	-622.82
		201	16.26	-29.03	-99.01	-98.96	-29.07	-1.81	327.16	-2673.21	-2573.68	227.62	-537.34
		200	15.28	-45.55	-101.00	-100.95	-45.61	-1.81	65.57	-2629.21	-2596.99	33.34	-292.90
161	11	198	33.48	58.08	-177.52	-92.80	-26.64	113.06	2147.63	-4744.39	-4654.90	2058.14	780.24
		199	38.00	106.79	-151.52	-84.80	40.08	113.06	3250.31	-4604.22	-4521.73	3167.83	800.66
		201	39.69	101.84	-162.92	-99.40	38.32	113.06	3384.76	-4686.70	-4475.33	3173.40	1288.92
		200	35.35	51.87	-187.66	-107.40	-28.39	113.06	2296.74	-4841.52	-4608.50	2063.71	1268.51
161	13	198	9.51	-33.01	-61.07	-61.00	-33.08	-1.39	126.85	-1620.26	-1570.35	76.93	-291.06
		199	10.43	-20.32	-59.52	-59.47	-20.37	-1.39	347.21	-1673.24	-1552.41	226.38	-479.09
		201	12.50	-22.33	-76.16	-76.12	-22.36	-1.39	251.66	-2056.32	-1979.75	175.09	-413.34
		200	11.76	-35.04	-77.70	-77.65	-35.08	-1.39	50.44	-2022.47	-1997.69	25.65	-225.31
161	15	198	9.51	-33.01	-61.07	-61.00	-33.08	-1.39	126.85	-1620.26	-1570.35	76.93	-291.06
		199	10.43	-20.32	-59.52	-59.47	-20.37	-1.39	347.21	-1673.24	-1552.41	226.38	-479.09
		201	12.50	-22.33	-76.16	-76.12	-22.36	-1.39	251.66	-2056.32	-1979.75	175.09	-413.34
		200	11.76	-35.04	-77.70	-77.65	-35.08	-1.39	50.44	-2022.47	-1997.69	25.65	-225.31

162	1	200	15.24	-52.97	-101.84	-101.83	-52.98	-0.79	118.29	-2609.22	-2589.20	98.27	-232.81
		201	15.98	-31.38	-99.25	-99.24	-31.39	-0.79	323.62	-2617.99	-2568.14	273.77	-379.67
		203	17.66	-32.69	-110.11	-110.10	-32.69	-0.79	262.62	-2930.84	-2901.93	233.71	-302.46
		202	16.99	-54.27	-112.70	-112.69	-54.28	-0.79	66.32	-2931.09	-2922.99	58.22	-155.59
162	11	200	37.40	104.38	-207.05	-103.85	1.18	146.59	1809.68	-5211.36	-4700.31	1298.63	1823.99
		201	41.37	127.59	-194.43	-100.02	33.17	146.59	2687.28	-5270.16	-4612.58	2029.69	2190.95
		203	40.21	135.70	-179.16	-79.13	35.67	146.59	3053.80	-4702.60	-3778.58	2129.77	2512.62
		202	36.04	113.22	-192.50	-82.97	3.69	146.59	2162.37	-4629.97	-3866.31	1398.71	2145.66
162	13	200	11.72	-40.74	-78.34	-78.33	-40.75	-0.61	90.99	-2007.09	-1991.69	75.60	-179.08
		201	12.29	-24.14	-76.34	-76.34	-24.15	-0.61	248.93	-2013.84	-1975.49	210.59	-292.06
		203	13.58	-25.14	-84.70	-84.69	-25.15	-0.61	202.01	-2254.49	-2232.25	179.78	-232.66
		202	13.07	-41.75	-86.69	-86.68	-41.76	-0.61	51.01	-2254.68	-2248.45	44.78	-119.69
162	15	200	11.72	-40.74	-78.34	-78.33	-40.75	-0.61	90.99	-2007.09	-1991.69	75.60	-179.08
		201	12.29	-24.14	-76.34	-76.34	-24.15	-0.61	248.93	-2013.84	-1975.49	210.59	-292.06
		203	13.58	-25.14	-84.70	-84.69	-25.15	-0.61	202.01	-2254.49	-2232.25	179.78	-232.66
		202	13.07	-41.75	-86.69	-86.68	-41.76	-0.61	51.01	-2254.68	-2248.45	44.78	-119.69
163	1	202	16.92	-58.51	-113.20	-113.20	-58.51	-0.21	62.52	-2926.16	-2922.87	59.22	-99.13
		203	17.47	-34.66	-110.33	-110.33	-34.66	-0.21	230.66	-2910.13	-2903.13	223.66	-148.10
		205	18.04	-35.06	-113.66	-113.66	-35.06	-0.21	212.08	-3016.20	-3014.42	210.30	-75.75
		204	17.51	-58.91	-116.52	-116.52	-58.91	-0.21	46.10	-3034.39	-3034.15	45.87	-26.78
163	11	202	37.38	153.36	-195.74	-79.02	36.64	164.69	1425.56	-5151.79	-4001.16	274.93	2498.83
		203	41.67	151.05	-197.10	-79.41	33.36	164.69	2145.67	-5498.98	-3961.20	607.89	3064.48
		205	39.41	165.45	-174.38	-46.28	37.34	164.69	2685.37	-4598.87	-2675.65	762.16	3210.98
		204	34.75	167.64	-172.91	-45.88	40.62	164.69	1934.17	-4220.58	-2715.61	429.20	2645.34
163	13	202	13.02	-45.01	-87.07	-87.07	-45.01	-0.16	48.09	-2250.89	-2248.36	45.56	-76.26
		203	13.44	-26.66	-84.87	-84.87	-26.66	-0.16	177.43	-2238.56	-2233.18	172.05	-113.92
		205	13.88	-26.97	-87.43	-87.43	-26.97	-0.16	163.14	-2320.15	-2318.79	161.77	-58.27
		204	13.47	-45.31	-89.63	-89.63	-45.31	-0.16	35.46	-2334.14	-2333.96	35.28	-20.60
163	15	202	13.02	-45.01	-87.07	-87.07	-45.01	-0.16	48.09	-2250.89	-2248.36	45.56	-76.26
		203	13.44	-26.66	-84.87	-84.87	-26.66	-0.16	177.43	-2238.56	-2233.18	172.05	-113.92
		205	13.88	-26.97	-87.43	-87.43	-26.97	-0.16	163.14	-2320.15	-2318.79	161.77	-58.27
		204	13.47	-45.31	-89.63	-89.63	-45.31	-0.16	35.46	-2334.14	-2333.96	35.28	-20.60
164	1	204	17.51	-58.91	-116.52	-116.52	-58.91	0.21	46.10	-3034.39	-3034.15	45.87	26.78
		205	18.04	-35.06	-113.66	-113.66	-35.06	0.21	212.08	-3016.20	-3014.42	210.30	75.75
		207	17.47	-34.66	-110.33	-110.33	-34.66	0.21	230.66	-2910.13	-2903.13	223.66	148.10
		206	16.92	-58.51	-113.20	-113.20	-58.51	0.21	62.52	-2926.16	-2922.87	59.22	99.13
164	12	204	34.75	167.64	-172.91	-45.88	40.62	-164.69	1934.17	-4220.58	-2715.61	429.20	-2645.34
		205	39.41	165.45	-174.38	-46.28	37.34	-164.69	2685.37	-4598.87	-2675.65	762.16	-3210.98
		207	41.67	151.05	-197.10	-79.41	33.36	-164.69	2145.67	-5498.98	-3961.20	607.89	-3064.48
		206	37.38	153.36	-195.74	-79.02	36.64	-164.69	1425.56	-5151.79	-4001.16	274.93	-2498.83
164	13	204	13.47	-45.31	-89.63	-89.63	-45.31	0.16	35.46	-2334.14	-2333.96	35.28	20.60
		205	13.88	-26.97	-87.43	-87.43	-26.97	0.16	163.14	-2320.15	-2318.79	161.77	58.27
		207	13.44	-26.66	-84.87	-84.87	-26.66	0.16	177.43	-2238.56	-2233.18	172.05	113.92
		206	13.02	-45.01	-87.07	-87.07	-45.01	0.16	48.09	-2250.89	-2248.36	45.56	76.26
164	15	204	13.47	-45.31	-89.63	-89.63	-45.31	0.16	35.46	-2334.14	-2333.96	35.28	20.60
		205	13.88	-26.97	-87.43	-87.43	-26.97	0.16	163.14	-2320.15	-2318.79	161.77	58.27
		207	13.44	-26.66	-84.87	-84.87	-26.66	0.16	177.43	-2238.56	-2233.18	172.05	113.92
		206	13.02	-45.01	-87.07	-87.07	-45.01	0.16	48.09	-2250.89	-2248.36	45.56	76.26
165	1	206	16.99	-54.27	-112.70	-112.69	-54.28	0.79	66.32	-2931.09	-2922.99	58.22	155.59
		207	17.66	-32.69	-110.11	-110.10	-32.69	0.79	262.62	-2930.84	-2901.93	233.71	302.46
		209	15.98	-31.38	-99.25	-99.24	-31.39	0.79	323.62	-2617.99	-2568.14	273.77	379.67
		208	15.24	-52.97	-101.84	-101.83	-52.98	0.79	118.29	-2609.22	-2589.20	98.27	232.81
165	12	206	36.04	113.22	-192.50	-82.97	3.69	-146.59	2162.37	-4629.97	-3866.31	1398.71	-2145.66
		207	40.21	135.70	-179.16	-79.13	35.67	-146.59	3053.80	-4702.60	-3778.58	2129.77	-2512.62
		209	41.37	127.59	-194.43	-100.02	33.17	-146.59	2687.28	-5270.16	-4612.58	2029.69	-2190.95
		208	37.40	104.38	-207.05	-103.85	1.18	-146.59	1809.68	-5211.36	-4700.31	1298.63	-1823.99
165	13	206	13.07	-41.75	-86.69	-86.68	-41.76	0.61	51.01	-2254.68	-2248.45	44.78	119.69
		207	13.58	-25.14	-84.70	-84.69	-25.15	0.61	202.01	-2254.49	-2232.25	179.78	232.66
		209	12.29	-24.14	-76.34	-76.34	-24.15	0.61	248.93	-2013.84	-1975.49	210.59	292.06
		208	11.72	-40.74	-78.34	-78.33	-40.75	0.61	90.99	-2007.09	-1991.69	75.60	179.08
165	15	206	13.07	-41.75	-86.69	-86.68	-41.76	0.61	51.01	-2254.68	-2248.45	44.78	119.69
		207	13.58	-25.14	-84.70	-84.69	-25.15	0.61	202.01	-2254.49	-2232.25	179.78	232.66
		209	12.29	-24.14	-76.34	-76.34	-24.15	0.61	248.93	-2013.84	-1975.49	210.59	292.06
		208	11.72	-40.74	-78.34	-78.33	-40.75	0.61	90.99	-2007.09	-1991.69	75.60	179.08
166	1	208	15.28	-45.55	-101.00	-100.95	-45.61	1.81	65.57	-2629.21	-2596.99	33.34	292.90
		209	16.26	-29.03	-99.01	-98.96	-29.07	1.81	327.16	-2673.21	-2573.68	227.62	537.34
		211	13.56	-26.41	-77.38	-77.31	-26.48	1.81	451.37	-2175.22	-2018.14	294.29	622.82
		210	12.36	-42.92	-79.39	-79.29	-43.01	1.81	164.90	-2106.34	-2041.45	100.01	378.38
166	12	208	35.35	51.87	-187.66	-107.40	-28.39	-113.06	2296.74	-4841.52	-4608.50	2063.71	-1268.51
		209	39.69	101.84	-162.92	-99.40	38.32	-113.06	3384.76	-4686.70	-4475.33	3173.40	-1288.92
		211	38.00	106.79	-151.52	-84.80	40.08	-113.06	3250.31	-4604.22	-4521.73	3167.83	-800.66
		210	33.48	58.08	-177.52	-92.80	-26.64	-113.06	2147.63	-4744.39	-4654.90	2058.14	-780.24
166	13	208	11.76	-35.04	-77.70	-77.65	-35.08	1.39	50.44	-2022.47	-1997.69	25.65	225.31
		209	12.50	-22.33	-76.16	-76.12	-22.36	1.39	251.66	-2056.32	-1979.75	175.09	413.34
		211	10.43	-20.32	-59.52	-59.47	-20.37	1.39	347.21	-1673.24	-1552.41	226.38	479.09
		210	9.51	-33.01	-61.07	-61.00	-33.08	1.39	126.85	-1620.26	-1570.35	76.93	291.06
166	15	208	11.76	-35.04	-77.70	-77.65	-35.08	1.39	50.44	-2022.47	-1997.69	25.65	225.31

		209	12.50	-22.33	-76.16	-76.12	-22.36	1.39	251.66	-2056.32	-1979.75	175.09	413.34
		211	10.43	-20.32	-59.52	-59.47	-20.37	1.39	347.21	-1673.24	-1552.41	226.38	479.09
		210	9.51	-33.01	-61.07	-61.00	-33.08	1.39	126.85	-1620.26	-1570.35	76.93	291.06
167	1	210	12.13	-35.73	-78.65	-78.45	-35.93	2.94	-95.05	-2160.91	-2075.15	-180.81	412.08
		211	13.54	-28.53	-77.76	-77.58	-28.71	2.94	243.57	-2296.91	-2053.44	0.10	747.83
		213	10.25	-23.58	-39.95	-39.40	-24.13	2.94	478.68	-1677.39	-1290.38	91.67	827.44
		212	8.23	-30.47	-41.15	-40.27	-31.35	2.94	83.93	-1485.26	-1312.09	-89.25	491.69
167	12	210	30.44	-1.97	-147.40	-96.01	-53.36	-69.52	1803.34	-4692.06	-4686.18	1797.46	-195.41
		211	35.68	63.73	-118.15	-85.84	31.41	-69.52	3147.44	-4534.12	-4525.25	3138.56	261.01
		213	29.79	95.93	-47.87	5.67	42.40	-69.52	3368.68	-3593.57	-3487.93	3263.04	851.10
		212	25.74	48.61	-95.49	-4.51	-42.38	-69.52	1949.76	-3676.68	-3648.86	1921.94	394.68
167	13	210	9.33	-27.48	-60.50	-60.34	-27.64	2.26	-73.12	-1662.24	-1596.27	-139.09	316.99
		211	10.42	-21.95	-59.81	-59.68	-22.08	2.26	187.36	-1766.85	-1579.57	0.08	575.25
		213	7.88	-18.14	-30.73	-30.31	-18.56	2.26	368.22	-1290.30	-992.60	70.52	636.49
		212	6.33	-23.44	-31.65	-30.97	-24.11	2.26	64.56	-1142.51	-1009.30	-68.65	378.22
167	15	210	9.33	-27.48	-60.50	-60.34	-27.64	2.26	-73.12	-1662.24	-1596.27	-139.09	316.99
		211	10.42	-21.95	-59.81	-59.68	-22.08	2.26	187.36	-1766.85	-1579.57	0.08	575.25
		213	7.88	-18.14	-30.73	-30.31	-18.56	2.26	368.22	-1290.30	-992.60	70.52	636.49
		212	6.33	-23.44	-31.65	-30.97	-24.11	2.26	64.56	-1142.51	-1009.30	-68.65	378.22
168	1	212	7.71	-30.62	-40.24	-40.19	-30.67	0.69	-238.95	-1510.98	-1349.44	-400.49	423.54
		213	8.52	-37.98	-41.24	-41.08	-38.14	0.69	-317.58	-1707.57	-1378.93	-646.23	590.60
		215	6.10	11.48	-31.84	11.47	-31.83	0.69	-277.94	-1321.97	-999.24	-600.66	482.48
		214	5.37	12.38	-24.38	12.36	-24.37	0.69	-221.90	-1102.79	-969.76	-354.93	315.42
168	12	212	22.73	10.61	-84.39	-7.39	-66.40	-37.23	718.19	-3924.13	-3807.33	601.39	727.04
		213	22.85	38.33	-36.13	0.75	1.44	-37.23	757.05	-4071.19	-3818.92	504.78	1074.43
		215	22.73	148.86	7.36	138.27	17.95	-37.23	872.44	-3302.31	-3029.40	599.52	1031.92
		214	22.66	137.52	-57.29	130.13	-49.90	-37.23	818.28	-3139.96	-3017.81	696.13	684.53
168	13	212	5.93	-23.56	-30.95	-30.91	-23.59	0.53	-183.81	-1162.29	-1038.03	-308.07	325.80
		213	6.56	-29.22	-31.72	-31.60	-29.34	0.53	-244.29	-1313.52	-1060.71	-497.10	454.31
		215	4.70	8.83	-24.50	8.82	-24.49	0.53	-213.80	-1016.90	-768.65	-462.05	371.14
		214	4.13	9.52	-18.75	9.51	-18.74	0.53	-170.69	-848.30	-745.97	-273.03	242.63
168	15	212	5.93	-23.56	-30.95	-30.91	-23.59	0.53	-183.81	-1162.29	-1038.03	-308.07	325.80
		213	6.56	-29.22	-31.72	-31.60	-29.34	0.53	-244.29	-1313.52	-1060.71	-497.10	454.31
		215	4.70	8.83	-24.50	8.82	-24.49	0.53	-213.80	-1016.90	-768.65	-462.05	371.14
		214	4.13	9.52	-18.75	9.51	-18.74	0.53	-170.69	-848.30	-745.97	-273.03	242.63
169	2	197	7.94	66.23	-16.91	65.62	-16.31	-7.06	281.66	-1387.73	-560.19	-545.88	-834.66
		217	7.47	66.59	-14.07	65.97	-13.45	-7.06	-38.60	-1434.11	-599.48	-873.23	-684.19
		216	8.49	3.84	-23.14	1.84	-21.14	-7.06	331.81	-1421.51	-257.50	-832.20	-828.23
		196	9.09	3.32	-25.83	1.50	-24.00	-7.06	627.60	-1350.67	-218.22	-504.85	-978.70
169	7	197	32.83	159.19	19.76	117.77	61.18	-63.71	163.61	-6252.99	-6100.08	10.71	-978.64
		217	33.38	153.75	8.50	115.98	46.27	-63.71	118.57	-6435.52	-6124.46	-192.49	-1393.53
		216	37.85	80.45	-51.75	-3.26	31.96	-63.71	5.29	-7378.31	-7067.39	-305.64	-1482.94
		196	37.04	90.84	-45.44	-1.47	46.87	-63.71	58.19	-7203.64	-7043.00	-102.45	-1068.05
169	14	197	6.01	43.80	-15.69	43.07	-14.96	-6.56	175.47	-1069.88	-469.51	-424.90	-622.27
		217	5.71	44.11	-13.35	43.35	-12.60	-6.56	-59.56	-1108.97	-498.88	-669.65	-517.71
		216	6.48	-4.03	-21.58	-6.98	-18.64	-6.56	202.43	-1104.80	-261.23	-641.13	-625.40
		196	6.88	-4.63	-23.63	-7.26	-21.00	-6.56	420.47	-1048.71	-231.86	-396.38	-729.97
169	16	197	5.98	41.01	-16.77	40.15	-15.91	-7.01	159.38	-1070.95	-484.71	-426.86	-614.48
		217	5.70	41.34	-14.38	40.44	-13.48	-7.01	-71.16	-1111.43	-513.75	-668.84	-514.32
		216	6.47	-6.52	-23.33	-10.28	-19.57	-7.01	181.91	-1109.55	-286.11	-641.52	-620.79
		196	6.85	-7.25	-25.33	-10.58	-22.00	-7.01	396.15	-1052.77	-257.08	-399.54	-720.95
170	2	196	11.37	5.06	-16.14	2.72	-13.80	-6.64	1454.98	-1162.48	-109.41	401.91	-1283.52
		216	10.53	6.78	-10.09	3.55	-6.86	-6.64	1499.38	-903.72	-76.93	672.58	-1141.62
		218	9.46	-4.88	-19.51	-15.26	-9.12	-6.64	1527.13	-570.26	245.58	711.28	-1022.52
		199	10.32	-9.44	-22.72	-16.10	-16.06	-6.64	1496.82	-843.11	213.10	440.61	-1164.42
170	7	196	37.26	124.82	-18.73	5.03	101.05	-53.36	-334.18	-7352.36	-7100.98	-585.57	-1304.25
		216	40.95	125.72	-18.45	5.16	102.10	-53.36	953.54	-7332.45	-6960.87	581.97	-1714.88
		218	45.19	109.19	-84.91	-68.93	93.21	-53.36	639.06	-8063.20	-7894.12	469.98	-1201.16
		199	41.99	108.22	-85.12	-69.06	92.16	-53.36	-613.34	-8118.43	-8034.22	-697.56	-790.54
170	14	196	8.47	-3.90	-14.85	-6.24	-12.51	-4.49	1036.73	-915.77	-151.59	272.55	-952.94
		216	7.98	-1.88	-11.00	-5.61	-7.26	-4.49	1090.66	-737.28	-126.69	480.07	-862.15
		218	7.16	-8.00	-24.29	-22.95	-9.34	-4.49	1091.86	-507.38	79.65	504.83	-770.84
		199	7.64	-12.73	-25.43	-23.58	-14.59	-4.49	1046.15	-694.10	54.75	297.31	-861.63
170	16	196	8.37	-6.76	-16.02	-9.53	-13.25	-4.24	1004.37	-924.40	-178.16	258.13	-939.39
		216	7.94	-4.21	-12.74	-8.90	-8.05	-4.24	1066.07	-753.98	-153.29	465.37	-855.84
		218	7.13	-9.27	-28.36	-27.36	-10.26	-4.24	1059.67	-534.90	36.61	488.16	-764.65
		199	7.55	-14.17	-29.29	-27.99	-15.47	-4.24	1005.14	-712.49	11.74	280.91	-848.20
171	1	199	8.74	-26.87	-82.16	-81.99	-27.04	3.06	993.88	-901.76	-396.74	488.86	-838.03
		218	9.41	-20.52	-81.38	-81.23	-20.67	3.06	1240.24	-777.21	-356.99	820.03	-819.26
		219	8.76	-22.83	-100.34	-100.22	-22.95	3.06	1137.60	-626.77	-314.32	825.15	-673.54
		201	7.99	-29.19	-101.11	-100.98	-29.32	3.06	881.80	-741.89	-354.06	493.98	-692.32
171	7	199	42.13	140.60	-64.51	-63.38	139.47	-15.18	-441.64	-8029.63	-8006.31	-464.96	-420.02
		218	44.34	106.57	-68.81	-67.49	105.25	-15.18	705.57	-7914.95	-7871.10	661.73	-613.21
		219	46.27	105.05	-80.83	-79.58	103.80	-15.18	610.59	-8311.73	-8310.18	609.04	-117.46
		201	44.24	139.09	-76.55	-75.48	138.02	-15.18	-516.93	-8446.11	-8445.38	-517.65	75.73
171	13	199	6.72	-20.67	-63.20	-63.07	-20.80	2.35	764.53	-693.66	-305.18	376.04	-644.64
		218	7.23	-15.78	-62.60	-62.48	-15.90	2.35	954.03	-597.85	-274.61	630.79	-630.20

		219	6.74	-17.56	-77.18	-77.09	-17.66	2.35	875.08	-482.13	-241.78	634.73	-518.11
		201	6.15	-22.45	-77.78	-77.68	-22.55	2.35	678.31	-570.68	-272.35	379.98	-532.55
171	15	199	6.72	-20.67	-63.20	-63.07	-20.80	2.35	764.53	-693.66	-305.18	376.04	-644.64
		218	7.23	-15.78	-62.60	-62.48	-15.90	2.35	954.03	-597.85	-274.61	630.79	-630.20
		219	6.74	-17.56	-77.18	-77.09	-17.66	2.35	875.08	-482.13	-241.78	634.73	-518.11
		201	6.15	-22.45	-77.78	-77.68	-22.55	2.35	678.31	-570.68	-272.35	379.98	-532.55
172	1	201	7.16	-31.47	-101.42	-101.26	-31.63	3.37	790.98	-599.38	-348.52	540.12	-534.65
		219	8.22	-22.80	-100.36	-100.22	-22.94	3.37	1087.01	-512.76	-307.52	881.77	-534.98
		220	7.83	-24.00	-110.26	-110.13	-24.13	3.37	995.19	-421.80	-308.28	881.68	-384.66
		203	6.69	-32.68	-111.32	-111.17	-32.82	3.37	683.10	-492.35	-349.28	540.03	-384.32
172	7	201	44.41	161.26	-73.23	-72.75	160.77	10.68	-648.64	-8490.86	-8464.29	-675.21	455.66
		219	45.34	109.80	-79.54	-78.93	109.19	10.68	133.56	-8382.10	-8368.83	120.29	335.84
		220	46.76	110.40	-74.61	-73.99	109.79	10.68	141.17	-8694.72	-8641.16	87.61	685.86
		203	45.91	161.86	-68.30	-67.80	161.36	10.68	-627.84	-8816.67	-8736.62	-707.89	805.68
172	13	201	5.51	-24.21	-78.02	-77.89	-24.33	2.60	608.44	-461.06	-268.09	415.48	-411.27
		219	6.33	-17.54	-77.20	-77.09	-17.65	2.60	836.16	-394.43	-236.56	678.29	-411.53
		220	6.02	-18.46	-84.82	-84.72	-18.56	2.60	765.53	-324.46	-237.14	678.22	-295.89
		203	5.14	-25.14	-85.63	-85.52	-25.25	2.60	525.46	-378.73	-268.68	415.41	-295.63
172	15	201	5.51	-24.21	-78.02	-77.89	-24.33	2.60	608.44	-461.06	-268.09	415.48	-411.27
		219	6.33	-17.54	-77.20	-77.09	-17.65	2.60	836.16	-394.43	-236.56	678.29	-411.53
		220	6.02	-18.46	-84.82	-84.72	-18.56	2.60	765.53	-324.46	-237.14	678.22	-295.89
		203	5.14	-25.14	-85.63	-85.52	-25.25	2.60	525.46	-378.73	-268.68	415.41	-295.63
173	1	203	6.16	-34.76	-111.43	-111.41	-34.79	1.32	586.42	-406.93	-350.49	529.98	-229.97
		220	7.44	-24.32	-110.18	-110.16	-24.34	1.32	924.54	-352.49	-308.43	880.47	-233.09
		221	7.31	-24.69	-113.30	-113.28	-24.71	1.32	884.80	-320.71	-315.53	879.62	-78.87
		205	6.01	-35.14	-114.56	-114.54	-35.16	1.32	535.55	-364.01	-357.59	529.13	-75.75
173	12	203	48.13	161.81	-110.11	9.09	42.61	-134.93	2827.09	-6746.42	-3056.31	-863.01	-4659.44
		220	46.28	149.31	-120.97	6.59	21.76	-134.93	2565.79	-6562.38	-3064.59	-932.00	-4437.78
		221	46.24	124.97	-151.02	-41.98	15.93	-134.93	2831.08	-6263.45	-2560.82	-871.54	-4468.13
		205	48.10	138.86	-141.56	-39.48	36.78	-134.93	3093.17	-6448.27	-2552.54	-802.56	-4689.79
173	13	203	4.74	-26.74	-85.72	-85.70	-26.76	1.01	451.09	-313.02	-269.60	407.67	-176.90
		220	5.72	-18.70	-84.75	-84.73	-18.72	1.01	711.18	-271.15	-237.25	677.29	-179.30
		221	5.62	-18.99	-87.16	-87.14	-19.01	1.01	680.62	-246.70	-242.71	676.63	-60.67
		205	4.62	-27.03	-88.12	-88.11	-27.05	1.01	411.96	-280.01	-275.07	407.02	-58.27
173	15	203	4.74	-26.74	-85.72	-85.70	-26.76	1.01	451.09	-313.02	-269.60	407.67	-176.90
		220	5.72	-18.70	-84.75	-84.73	-18.72	1.01	711.18	-271.15	-237.25	677.29	-179.30
		221	5.62	-18.99	-87.16	-87.14	-19.01	1.01	680.62	-246.70	-242.71	676.63	-60.67
		205	4.62	-27.03	-88.12	-88.11	-27.05	1.01	411.96	-280.01	-275.07	407.02	-58.27
174	1	205	6.01	-35.14	-114.56	-114.54	-35.16	-1.32	535.55	-364.01	-357.59	529.13	75.75
		221	7.31	-24.69	-113.30	-113.28	-24.71	-1.32	884.80	-320.71	-315.53	879.62	78.87
		222	7.44	-24.32	-110.18	-110.16	-24.34	-1.32	924.54	-352.49	-308.43	880.47	233.09
		207	6.16	-34.76	-111.43	-111.41	-34.79	-1.32	586.42	-406.93	-350.49	529.98	229.97
174	11	205	48.10	138.86	-141.56	-39.48	36.78	134.93	3093.17	-6448.27	-2552.54	-802.56	4689.79
		221	46.24	124.97	-151.02	-41.98	15.93	134.93	2831.08	-6263.45	-2560.82	-871.54	4468.13
		222	46.28	149.31	-120.97	6.59	21.76	134.93	2565.79	-6562.38	-3064.59	-932.00	4437.78
		207	48.13	161.81	-110.11	9.09	42.61	134.93	2827.09	-6746.42	-3056.31	-863.01	4659.44
174	13	205	4.62	-27.03	-88.12	-88.11	-27.05	-1.01	411.96	-280.01	-275.07	407.02	58.27
		221	5.62	-18.99	-87.16	-87.14	-19.01	-1.01	680.62	-246.70	-242.71	676.63	60.67
		222	5.72	-18.70	-84.75	-84.73	-18.72	-1.01	711.18	-271.15	-237.25	677.29	179.30
		207	4.74	-26.74	-85.72	-85.70	-26.76	-1.01	451.09	-313.02	-269.60	407.67	176.90
174	15	205	4.62	-27.03	-88.12	-88.11	-27.05	-1.01	411.96	-280.01	-275.07	407.02	58.27
		221	5.62	-18.99	-87.16	-87.14	-19.01	-1.01	680.62	-246.70	-242.71	676.63	60.67
		222	5.72	-18.70	-84.75	-84.73	-18.72	-1.01	711.18	-271.15	-237.25	677.29	179.30
		207	4.74	-26.74	-85.72	-85.70	-26.76	-1.01	451.09	-313.02	-269.60	407.67	176.90
175	1	207	6.69	-32.68	-111.32	-111.17	-32.82	-3.37	683.10	-492.35	-349.28	540.03	384.32
		222	7.83	-24.00	-110.26	-110.13	-24.13	-3.37	995.19	-421.80	-308.28	881.68	384.66
		223	8.22	-22.80	-100.36	-100.22	-22.94	-3.37	1087.01	-512.76	-307.52	881.77	534.98
		209	7.16	-31.47	-101.42	-101.26	-31.63	-3.37	790.98	-599.38	-348.52	540.12	534.65
175	8	207	45.91	161.86	-68.30	-67.80	161.36	-10.68	-627.84	-8816.67	-8736.62	-707.89	-805.68
		222	46.76	110.40	-74.61	-73.99	109.79	-10.68	141.17	-8694.72	-8641.16	87.61	-685.86
		223	45.34	109.80	-79.54	-78.93	109.19	-10.68	133.56	-8382.10	-8368.83	120.29	-335.84
		209	44.41	161.26	-73.23	-72.75	160.77	-10.68	-648.64	-8490.86	-8464.29	-675.21	-455.66
175	13	207	5.14	-25.14	-85.63	-85.52	-25.25	-2.60	525.46	-378.73	-268.68	415.41	295.63
		222	6.02	-18.46	-84.82	-84.72	-18.56	-2.60	765.53	-324.46	-237.14	678.22	295.89
		223	6.33	-17.54	-77.20	-77.09	-17.65	-2.60	836.16	-394.43	-236.56	678.29	411.53
		209	5.51	-24.21	-78.02	-77.89	-24.33	-2.60	608.44	-461.06	-268.09	415.48	411.27
175	15	207	5.14	-25.14	-85.63	-85.52	-25.25	-2.60	525.46	-378.73	-268.68	415.41	295.63
		222	6.02	-18.46	-84.82	-84.72	-18.56	-2.60	765.53	-324.46	-237.14	678.22	295.89
		223	6.33	-17.54	-77.20	-77.09	-17.65	-2.60	836.16	-394.43	-236.56	678.29	411.53
		209	5.51	-24.21	-78.02	-77.89	-24.33	-2.60	608.44	-461.06	-268.09	415.48	411.27
176	1	209	7.99	-29.19	-101.11	-100.98	-29.32	-3.06	881.80	-741.89	-354.06	493.98	692.32
		223	8.76	-22.83	-100.34	-100.22	-22.95	-3.06	1137.60	-626.77	-314.32	825.15	673.54
		224	9.41	-20.52	-81.38	-81.23	-20.67	-3.06	1240.24	-777.21	-356.99	820.03	819.26
		211	8.74	-26.87	-82.16	-81.99	-27.04	-3.06	993.88	-901.76	-396.74	488.86	838.03
176	8	209	44.24	139.09	-76.55	-75.48	138.02	15.18	-516.93	-8446.11	-8445.38	-517.65	-75.73
		223	46.27	105.05	-80.83	-79.58	103.80	15.18	610.59	-8311.73	-8310.18	609.04	117.46
		224	44.34	106.57	-68.81	-67.49	105.25	15.18	705.57	-7914.95	-7871.10	661.73	613.21

		211	42.13	140.60	-64.51	-63.38	139.47	15.18	-441.64	-8029.63	-8006.31	-464.96	420.02
176	13	209	6.15	-22.45	-77.78	-77.68	-22.55	-2.35	678.31	-570.68	-272.35	379.98	532.55
		223	6.74	-17.56	-77.18	-77.09	-17.66	-2.35	875.08	-482.13	-241.78	634.73	518.11
		224	7.23	-15.78	-62.60	-62.48	-15.90	-2.35	954.03	-597.85	-274.61	630.79	630.20
		211	6.72	-20.67	-63.20	-63.07	-20.80	-2.35	764.53	-693.66	-305.18	376.04	644.64
176	15	209	6.15	-22.45	-77.78	-77.68	-22.55	-2.35	678.31	-570.68	-272.35	379.98	532.55
		223	6.74	-17.56	-77.18	-77.09	-17.66	-2.35	875.08	-482.13	-241.78	634.73	518.11
		224	7.23	-15.78	-62.60	-62.48	-15.90	-2.35	954.03	-597.85	-274.61	630.79	630.20
		211	6.72	-20.67	-63.20	-63.07	-20.80	-2.35	764.53	-693.66	-305.18	376.04	644.64
177	2	211	10.32	-9.44	-22.72	-16.10	-16.06	6.64	1496.82	-843.11	213.10	440.61	1164.42
		224	9.46	-4.88	-19.51	-15.26	-9.12	6.64	1527.13	-570.26	245.58	711.28	1022.52
		225	10.53	6.78	-10.09	3.55	-6.86	6.64	1499.38	-903.72	-76.93	672.58	1141.62
		213	11.37	5.06	-16.14	2.72	-13.80	6.64	1454.98	-1162.48	-109.41	401.91	1283.52
177	8	211	41.99	108.22	-85.12	-69.06	92.16	53.36	-613.34	-8118.43	-8034.22	-697.56	790.54
		224	45.19	109.19	-84.91	-68.93	93.21	53.36	639.06	-8063.20	-7894.12	469.98	1201.16
		225	40.95	125.72	-18.45	5.16	102.10	53.36	953.54	-7332.45	-6960.87	581.97	1714.88
		213	37.26	124.82	-18.73	5.03	101.05	53.36	-334.18	-7352.36	-7100.98	-585.57	1304.25
177	14	211	7.64	-12.73	-25.43	-23.58	-14.59	4.49	1046.15	-694.10	54.75	297.31	861.63
		224	7.16	-8.00	-24.29	-22.95	-9.34	4.49	1091.86	-507.38	79.65	504.83	770.84
		225	7.98	-1.88	-11.00	-5.61	-7.26	4.49	1090.66	-737.28	-126.69	480.07	862.15
		213	8.47	-3.90	-14.85	-6.24	-12.51	4.49	1036.73	-915.77	-151.59	272.55	952.94
177	16	211	7.55	-14.17	-29.29	-27.99	-15.47	4.24	1005.14	-712.49	11.74	280.91	848.20
		224	7.13	-9.27	-28.36	-27.36	-10.26	4.24	1059.67	-534.90	36.61	488.16	764.65
		225	7.94	-4.21	-12.74	-8.90	-8.05	4.24	1066.07	-753.98	-153.29	465.37	855.84
		213	8.37	-6.76	-16.02	-9.53	-13.25	4.24	1004.37	-924.40	-178.16	258.13	939.39
178	1	213	8.83	-29.12	-58.09	-48.21	-38.99	13.73	269.42	-1418.17	-596.42	-552.32	843.51
		225	8.59	-26.35	-56.56	-47.75	-35.17	13.73	31.80	-1500.51	-630.70	-838.01	759.11
		226	7.49	25.88	-30.34	22.30	-26.76	13.73	-208.07	-1475.47	-822.51	-861.03	633.41
		215	7.61	25.22	-33.97	21.84	-30.59	13.73	43.87	-1407.44	-788.23	-575.34	717.81
178	8	213	37.04	90.84	-45.44	-1.47	46.87	63.71	58.19	-7203.64	-7043.00	-102.45	1068.05
		225	37.85	80.45	-51.75	-3.26	31.96	63.71	5.29	-7378.31	-7067.39	-305.64	1482.94
		226	33.38	153.75	8.50	115.98	46.27	63.71	118.57	-6435.52	-6124.46	-192.49	1393.53
		215	32.83	159.19	19.76	117.77	61.18	63.71	163.61	-6252.99	-6100.08	10.71	978.64
178	13	213	6.80	-22.40	-44.68	-37.09	-30.00	10.56	207.25	-1090.90	-458.78	-424.87	648.85
		225	6.61	-20.27	-43.51	-36.73	-27.05	10.56	24.46	-1154.24	-485.16	-644.62	583.93
		226	5.76	19.91	-23.34	17.15	-20.58	10.56	-160.05	-1134.98	-632.70	-662.33	487.24
		215	5.86	19.40	-26.13	16.80	-23.53	10.56	33.75	-1082.65	-606.33	-442.57	552.16
178	15	213	6.80	-22.40	-44.68	-37.09	-30.00	10.56	207.25	-1090.90	-458.78	-424.87	648.85
		225	6.61	-20.27	-43.51	-36.73	-27.05	10.56	24.46	-1154.24	-485.16	-644.62	583.93
		226	5.76	19.91	-23.34	17.15	-20.58	10.56	-160.05	-1134.98	-632.70	-662.33	487.24
		215	5.86	19.40	-26.13	16.80	-23.53	10.56	33.75	-1082.65	-606.33	-442.57	552.16
179	2	217	9.53	55.57	-23.87	47.38	-15.68	-24.16	548.15	-1246.24	92.15	-790.24	-781.22
		228	6.57	57.52	-15.86	48.44	-6.78	-24.16	503.42	-647.99	151.46	-296.03	-530.45
		227	5.76	14.05	-34.67	-7.17	-13.46	-24.16	815.33	-321.57	721.40	-227.64	-313.00
		216	8.65	9.88	-40.46	-8.23	-22.35	-24.16	862.69	-922.43	662.10	-721.84	-563.77
179	7	217	52.16	388.13	-8.20	310.34	69.59	-157.42	-60.18	-9572.77	-9085.18	-547.77	-2097.74
		228	53.53	377.99	-38.33	306.03	33.63	-157.42	670.00	-9260.81	-8973.52	382.72	-1664.46
		227	45.83	124.30	-194.41	-59.83	-10.27	-157.42	682.54	-8170.43	-7988.79	500.89	-1255.04
		216	46.23	147.65	-177.48	-55.52	25.69	-157.42	-74.45	-8455.59	-8100.44	-429.60	-1688.32
179	14	217	7.22	35.70	-22.27	27.88	-14.45	-19.81	375.78	-977.56	7.15	-608.93	-602.49
		228	4.98	37.42	-16.30	28.70	-7.59	-19.81	345.40	-533.36	51.49	-239.45	-414.60
		227	4.17	5.51	-34.20	-15.77	-12.92	-19.81	563.07	-272.75	478.52	-188.21	-252.03
		216	6.42	1.68	-38.06	-16.59	-19.79	-19.81	601.18	-724.69	434.18	-557.68	-439.92
179	16	217	7.19	33.01	-23.90	24.50	-15.40	-20.29	358.04	-985.34	-17.96	-609.34	-603.10
		228	4.97	34.82	-18.02	25.33	-8.52	-20.29	329.38	-547.57	25.87	-244.07	-417.18
		227	4.10	3.63	-37.37	-19.81	-13.94	-20.29	538.32	-283.26	448.42	-193.37	-256.47
		216	6.35	-0.43	-41.01	-20.63	-20.81	-20.29	576.93	-730.98	404.59	-558.64	-442.39
180	2	216	8.57	-2.27	-12.32	-6.52	-8.07	-4.97	1690.47	-64.86	842.67	782.93	-877.16
		227	6.94	-3.51	-14.22	-6.86	-10.88	-4.97	1508.48	227.27	854.47	881.28	-640.47
		229	8.09	-9.60	-21.44	-18.74	-12.30	-4.97	1806.70	531.56	1392.42	945.84	-597.19
		218	9.33	-7.28	-20.62	-18.41	-9.50	-4.97	1989.51	238.60	1380.61	847.49	-833.89
180	5	216	46.11	13.55	-197.28	-102.02	-81.70	104.93	1.045e+04	3849.71	1.012e+04	4183.30	1445.89
		227	46.98	26.60	-186.81	-99.50	-60.70	104.93	1.048e+04	2632.18	9989.22	3121.74	1897.80
		229	50.70	29.07	-183.57	-94.41	-60.09	104.93	1.127e+04	2989.96	1.102e+04	3244.99	1430.72
		218	50.04	16.21	-194.24	-96.93	-81.09	104.93	1.128e+04	4169.19	1.114e+04	4306.55	978.80
180	14	216	6.40	-6.86	-16.78	-15.23	-8.42	-3.60	1242.80	-110.55	568.73	563.52	-676.67
		227	5.32	-8.38	-17.28	-15.44	-10.22	-3.60	1121.48	109.23	579.28	651.43	-504.84
		229	6.16	-10.67	-26.99	-26.15	-11.51	-3.60	1319.57	348.53	969.81	698.29	-466.16
		218	7.06	-8.94	-26.70	-25.93	-9.70	-3.60	1446.23	123.41	959.26	610.38	-637.99
180	16	216	6.36	-8.17	-20.37	-19.25	-9.29	-3.52	1220.29	-134.62	537.42	548.26	-677.43
		227	5.33	-9.68	-20.72	-19.45	-10.95	-3.52	1106.49	83.05	548.54	641.00	-509.63
		229	6.13	-11.66	-31.42	-30.77	-12.31	-3.52	1292.67	324.00	929.91	686.76	-468.83
		218	7.02	-10.04	-31.17	-30.57	-10.65	-3.52	1413.41	99.39	918.78	594.02	-636.63
181	2	218	9.36	-11.07	-18.67	-18.60	-11.14	-0.73	2075.97	603.85	1429.01	1250.81	-730.65
		229	8.73	-12.29	-18.83	-18.75	-12.37	-0.73	1969.84	892.33	1448.55	1413.63	-538.47
		230	9.75	-12.68	-21.85	-21.79	-12.74	-0.73	2187.42	1163.93	1885.31	1466.04	-466.83
		219	10.28	-11.45	-21.70	-21.64	-11.50	-0.73	2301.02	867.97	1865.77	1303.22	-659.01

181	5	218	50.07	-9.55	-200.16	-100.33	-109.38	95.20	1.128e+04	4244.36	1.115e+04	4373.58	944.74
		229	50.17	11.16	-180.57	-96.01	-73.41	95.20	1.130e+04	4016.54	1.113e+04	4188.23	1105.09
		230	51.35	18.52	-172.15	-81.92	-71.72	95.20	1.164e+04	4090.46	1.149e+04	4231.96	1023.53
		219	51.27	-1.16	-192.76	-86.24	-107.69	95.20	1.162e+04	4313.86	1.152e+04	4417.31	863.19
181	14	218	7.07	-10.30	-26.01	-26.00	-10.31	0.36	1513.22	395.45	995.58	913.09	-557.36
		229	6.61	-11.21	-26.12	-26.11	-11.22	0.36	1444.36	609.60	1011.15	1042.81	-417.08
		230	7.35	-11.68	-30.07	-30.07	-11.69	0.36	1586.43	824.61	1329.97	1081.07	-360.00
		219	7.73	-10.78	-29.96	-29.96	-10.79	0.36	1665.08	600.68	1314.40	951.35	-500.28
181	16	218	7.02	-10.97	-30.64	-30.61	-11.00	0.73	1480.61	367.90	954.75	893.76	-555.52
		229	6.57	-11.86	-30.74	-30.72	-11.88	0.73	1416.99	578.78	970.53	1025.24	-418.21
		230	7.29	-12.41	-35.33	-35.30	-12.43	0.73	1549.40	795.88	1282.59	1062.69	-360.36
		219	7.67	-11.53	-35.22	-35.20	-11.55	0.73	1624.21	573.81	1266.81	931.21	-497.67
182	2	219	9.83	-14.05	-21.95	-21.95	-14.05	-0.14	2203.36	1060.16	1875.90	1387.62	-516.84
		230	9.97	-13.54	-21.89	-21.89	-13.55	-0.14	2217.09	1347.06	1908.11	1656.04	-416.36
		231	10.42	-13.65	-22.79	-22.79	-13.65	-0.14	2284.48	1535.44	2136.48	1683.44	-298.25
		220	10.24	-14.16	-22.85	-22.85	-14.16	-0.14	2286.67	1232.62	2104.27	1415.02	-398.73
182	5	219	51.39	-33.27	-184.60	-88.80	-129.07	72.94	1.157e+04	3796.20	1.146e+04	3913.24	946.81
		230	51.40	-10.93	-156.81	-83.43	-84.31	72.94	1.159e+04	3916.94	1.147e+04	4033.72	939.17
		231	51.01	-2.98	-149.43	-69.74	-82.67	72.94	1.158e+04	3901.27	1.145e+04	4031.63	992.18
		220	51.00	-23.78	-178.75	-75.11	-127.42	72.94	1.157e+04	3780.61	1.144e+04	3911.16	999.82
182	14	219	7.37	-12.29	-30.17	-30.14	-12.31	0.72	1587.71	745.49	1321.63	1011.57	-391.54
		230	7.47	-11.83	-30.11	-30.08	-11.85	0.72	1607.21	956.51	1346.33	1217.40	-318.90
		231	7.80	-12.05	-31.97	-31.95	-12.08	0.72	1640.65	1107.98	1511.42	1237.21	-228.33
		220	7.67	-12.51	-32.03	-32.00	-12.54	0.72	1636.43	881.67	1486.72	1031.38	-300.97
182	16	219	7.29	-12.86	-35.41	-35.36	-12.91	1.05	1546.00	717.39	1273.81	989.58	-389.16
		230	7.39	-12.37	-35.35	-35.30	-12.42	1.05	1569.34	924.30	1298.48	1195.15	-318.36
		231	7.71	-12.65	-37.67	-37.62	-12.70	1.05	1595.66	1078.21	1459.41	1214.46	-227.90
		220	7.59	-13.14	-37.73	-37.68	-13.19	1.05	1588.64	854.98	1434.74	1008.89	-298.71
183	2	220	9.90	-15.64	-23.03	-23.03	-15.64	-0.05	2177.57	1355.26	2105.72	1427.11	-232.21
		231	10.39	-14.22	-22.86	-22.86	-14.22	-0.05	2229.29	1669.71	2144.95	1754.04	-200.20
		232	10.51	-14.23	-22.99	-22.99	-14.23	-0.05	2224.58	1755.89	2217.71	1762.77	-56.35
		221	10.01	-15.65	-23.16	-23.16	-15.65	-0.05	2188.84	1425.47	2178.48	1435.84	-88.36
183	5	220	51.41	-52.53	-163.84	-76.59	-139.78	45.81	1.150e+04	3047.17	1.135e+04	3198.41	1120.76
		231	51.33	-32.50	-125.80	-70.37	-87.93	45.81	1.149e+04	3204.09	1.137e+04	3324.30	990.66
		232	49.68	-22.73	-119.26	-55.81	-86.18	45.81	1.121e+04	3150.69	1.107e+04	3288.82	1046.05
		221	49.78	-40.51	-159.56	-62.03	-138.03	45.81	1.123e+04	2991.42	1.106e+04	3162.93	1176.15
183	14	220	7.39	-13.45	-32.12	-32.11	-13.46	0.28	1547.95	978.04	1487.56	1038.43	-175.41
		231	7.75	-12.21	-31.97	-31.96	-12.22	0.28	1592.99	1210.57	1517.30	1286.26	-152.36
		232	7.84	-12.28	-32.50	-32.49	-12.28	0.28	1576.30	1285.93	1569.68	1292.54	-43.32
		221	7.47	-13.52	-32.64	-32.64	-13.52	0.28	1548.68	1035.97	1539.94	1044.71	-66.36
183	16	220	7.30	-14.01	-37.79	-37.78	-14.02	0.41	1498.24	952.29	1435.48	1015.05	-174.14
		231	7.66	-12.72	-37.63	-37.63	-12.72	0.41	1545.95	1180.53	1465.04	1261.43	-151.72
		232	7.74	-12.80	-38.33	-38.32	-12.81	0.41	1523.34	1260.22	1516.01	1267.55	-43.31
		221	7.38	-14.10	-38.49	-38.48	-14.11	0.41	1495.55	1012.06	1486.44	1021.16	-65.73
184	2	221	10.01	-15.65	-23.16	-23.16	-15.65	0.05	2188.84	1425.47	2178.48	1435.84	88.36
		232	10.51	-14.23	-22.99	-22.99	-14.23	0.05	2224.58	1755.89	2217.71	1762.77	56.35
		233	10.39	-14.22	-22.86	-22.86	-14.22	0.05	2229.29	1669.71	2144.95	1754.04	200.20
		222	9.90	-15.64	-23.03	-23.03	-15.64	0.05	2177.57	1355.26	2105.72	1427.11	232.21
184	6	221	49.78	-40.51	-159.56	-62.03	-138.03	-45.81	1.123e+04	2991.42	1.106e+04	3162.93	-1176.15
		232	49.68	-22.73	-119.26	-55.81	-86.18	-45.81	1.121e+04	3150.69	1.107e+04	3288.82	-1046.05
		233	51.33	-32.50	-125.80	-70.37	-87.93	-45.81	1.149e+04	3204.09	1.137e+04	3324.30	-990.66
		222	51.41	-52.53	-163.84	-76.59	-139.78	-45.81	1.150e+04	3047.17	1.135e+04	3198.41	-1120.76
184	14	221	7.47	-13.52	-32.64	-32.64	-13.52	-0.28	1548.68	1035.97	1539.94	1044.71	66.36
		232	7.84	-12.28	-32.50	-32.49	-12.28	-0.28	1576.30	1285.93	1569.68	1292.54	43.32
		233	7.75	-12.21	-31.97	-31.96	-12.22	-0.28	1592.99	1210.57	1517.30	1286.26	152.36
		222	7.39	-13.45	-32.12	-32.11	-13.46	-0.28	1547.95	978.04	1487.56	1038.43	175.41
184	16	221	7.38	-14.10	-38.49	-38.48	-14.11	-0.41	1495.55	1012.06	1486.44	1021.16	65.73
		232	7.74	-12.80	-38.33	-38.32	-12.81	-0.41	1523.34	1260.22	1516.01	1267.55	43.31
		233	7.66	-12.72	-37.63	-37.63	-12.72	-0.41	1545.95	1180.53	1465.04	1261.43	151.72
		222	7.30	-14.01	-37.79	-37.78	-14.02	-0.41	1498.24	952.29	1435.48	1015.05	174.14
185	2	222	10.24	-14.16	-22.85	-22.85	-14.16	0.14	2286.67	1232.62	2104.27	1415.02	398.73
		233	10.42	-13.65	-22.79	-22.79	-13.65	0.14	2284.48	1535.44	2136.48	1683.44	298.25
		234	9.97	-13.54	-21.89	-21.89	-13.55	0.14	2217.09	1347.06	1908.11	1656.04	416.36
		223	9.83	-14.05	-21.95	-21.95	-14.05	0.14	2203.36	1060.16	1875.90	1387.62	516.84
185	6	222	51.00	-23.78	-178.75	-75.11	-127.42	-72.94	1.157e+04	3780.61	1.144e+04	3911.16	-999.82
		233	51.01	-2.98	-149.43	-69.74	-82.67	-72.94	1.158e+04	3901.27	1.145e+04	4031.63	-992.18
		234	51.40	-10.93	-156.81	-83.43	-84.31	-72.94	1.159e+04	3916.94	1.147e+04	4033.72	-939.17
		223	51.39	-33.27	-184.60	-88.80	-129.07	-72.94	1.157e+04	3796.20	1.146e+04	3913.24	-946.81
185	14	222	7.67	-12.51	-32.03	-32.00	-12.54	-0.72	1636.43	881.67	1486.72	1031.38	300.97
		233	7.80	-12.05	-31.97	-31.95	-12.08	-0.72	1640.65	1107.98	1511.42	1237.21	228.33
		234	7.47	-11.83	-30.11	-30.08	-11.85	-0.72	1607.21	956.51	1346.33	1217.40	318.90
		223	7.37	-12.29	-30.17	-30.14	-12.31	-0.72	1587.71	745.49	1321.63	1011.57	391.54
185	16	222	7.59	-13.14	-37.73	-37.68	-13.19	-1.05	1588.64	854.98	1434.74	1008.89	298.71
		233	7.71	-12.65	-37.67	-37.62	-12.70	-1.05	1595.66	1078.21	1459.41	1214.46	227.90
		234	7.39	-12.37	-35.35	-35.30	-12.42	-1.05	1569.34	924.30	1298.48	1195.15	318.36
		223	7.29	-12.86	-35.41	-35.36	-12.91	-1.05	1546.00	717.39	1273.81	989.58	389.16
186	2	223	10.28	-11.45	-21.70	-21.64	-11.50	0.73	2301.02	867.97	1865.77	1303.22	659.01

		234	9.75	-12.68	-21.85	-21.79	-12.74	0.73	2187.42	1163.93	1885.31	1466.04	466.83
		235	8.73	-12.29	-18.83	-18.75	-12.37	0.73	1969.84	892.33	1448.55	1413.63	538.47
		224	9.36	-11.07	-18.67	-18.60	-11.14	0.73	2075.97	603.85	1429.01	1250.81	730.65
186	6	223	51.27	-1.16	-192.76	-86.24	-107.69	-95.20	1.162e+04	4313.86	1.152e+04	4417.31	-863.19
		234	51.35	18.52	-172.15	-81.92	-71.72	-95.20	1.164e+04	4090.46	1.149e+04	4231.96	-1023.53
		235	50.17	11.16	-180.57	-96.01	-73.41	-95.20	1.130e+04	4016.54	1.113e+04	4188.23	-1105.09
		224	50.07	-9.55	-200.16	-100.33	-109.38	-95.20	1.128e+04	4244.36	1.115e+04	4373.58	-944.74
186	14	223	7.73	-10.78	-29.96	-29.96	-10.79	-0.36	1665.08	600.68	1314.40	951.35	500.28
		234	7.35	-11.68	-30.07	-30.07	-11.69	-0.36	1586.43	824.61	1329.97	1081.07	360.00
		235	6.61	-11.21	-26.12	-26.11	-11.22	-0.36	1444.36	609.60	1011.15	1042.81	417.08
		224	7.07	-10.30	-26.01	-26.00	-10.31	-0.36	1513.22	395.45	995.58	913.09	557.36
186	16	223	7.67	-11.53	-35.22	-35.20	-11.55	-0.73	1624.21	573.81	1266.81	931.21	497.67
		234	7.29	-12.41	-35.33	-35.30	-12.43	-0.73	1549.40	795.88	1282.59	1062.69	360.36
		235	6.57	-11.86	-30.74	-30.72	-11.88	-0.73	1416.99	578.78	970.53	1025.24	418.21
		224	7.02	-10.97	-30.64	-30.61	-11.00	-0.73	1480.61	367.90	954.75	893.76	555.52
187	2	224	9.33	-7.28	-20.62	-18.41	-9.50	4.97	1989.51	238.60	1380.61	847.49	833.89
		235	8.09	-9.60	-21.44	-18.74	-12.30	4.97	1806.70	531.56	1392.42	945.84	597.19
		236	6.94	-3.51	-14.22	-6.86	-10.88	4.97	1508.48	227.27	854.47	881.28	640.47
		225	8.57	-2.27	-12.32	-6.52	-8.07	4.97	1690.47	-64.86	842.67	782.93	877.16
187	6	224	50.04	16.21	-194.24	-96.93	-81.09	-104.93	1.128e+04	4169.19	1.114e+04	4306.55	-978.80
		235	50.70	29.07	-183.57	-94.41	-60.09	-104.93	1.127e+04	2989.96	1.102e+04	3244.98	-1430.71
		236	46.98	26.60	-186.81	-99.50	-60.70	-104.93	1.048e+04	2632.18	9989.22	3121.73	-1897.80
		225	46.11	13.55	-197.28	-102.02	-81.70	-104.93	1.045e+04	3849.71	1.012e+04	4183.30	-1445.89
187	14	224	7.06	-8.94	-26.70	-25.93	-9.70	3.60	1446.23	123.41	959.26	610.38	637.99
		235	6.16	-10.67	-26.99	-26.15	-11.51	3.60	1319.57	348.53	969.81	698.29	466.16
		236	5.32	-8.38	-17.28	-15.44	-10.22	3.60	1121.48	109.23	579.28	651.43	504.84
		225	6.40	-6.86	-16.78	-15.23	-8.42	3.60	1242.80	-110.55	568.73	563.52	676.67
187	16	224	7.02	-10.04	-31.17	-30.57	-10.65	3.52	1413.41	99.39	918.78	594.02	636.63
		235	6.13	-11.66	-31.42	-30.77	-12.31	3.52	1292.67	324.00	929.91	686.76	468.83
		236	5.33	-9.68	-20.72	-19.45	-10.95	3.52	1106.49	83.05	548.54	641.00	509.63
		225	6.36	-8.17	-20.37	-19.25	-9.29	3.52	1220.29	-134.62	537.42	548.26	677.43
188	2	225	8.65	9.88	-40.46	-8.23	-22.35	24.16	862.69	-922.43	662.10	-721.84	563.77
		236	5.76	14.05	-34.67	-7.17	-13.46	24.16	815.33	-321.57	721.40	-227.64	313.00
		237	6.57	57.52	-15.86	48.44	-6.78	24.16	503.42	-647.99	151.46	-296.03	530.45
		226	9.53	55.57	-23.87	47.38	-15.68	24.16	548.15	-1246.24	92.15	-790.24	781.22
188	8	225	46.23	147.65	-177.48	-55.52	25.69	157.42	-74.45	-8455.60	-8100.45	-429.60	1688.32
		236	45.83	124.30	-194.41	-59.83	-10.27	157.42	682.54	-8170.43	-7988.79	500.89	1255.04
		237	53.53	377.99	-38.33	306.03	33.63	157.42	670.00	-9260.80	-8973.52	382.72	1664.46
		226	52.16	388.13	-8.20	310.34	69.59	157.42	-60.18	-9572.77	-9085.18	-547.77	2097.74
188	14	225	6.42	1.68	-38.06	-16.59	-19.79	19.81	601.18	-724.69	434.18	-557.68	439.92
		236	4.17	5.51	-34.20	-15.77	-12.92	19.81	563.07	-272.75	478.52	-188.21	252.03
		237	4.98	37.42	-16.30	28.70	-7.59	19.81	345.40	-533.36	51.49	-239.45	414.60
		226	7.22	35.70	-22.27	27.88	-14.45	19.81	375.78	-977.56	7.15	-608.93	602.49
188	16	225	6.35	-0.43	-41.01	-20.63	-20.81	20.29	576.93	-730.98	404.59	-558.64	442.39
		236	4.10	3.63	-37.37	-19.81	-13.94	20.29	538.32	-283.26	448.42	-193.37	256.47
		237	4.97	34.82	-18.02	25.33	-8.52	20.29	329.38	-547.57	25.87	-244.07	417.18
		226	7.19	33.01	-23.90	24.50	-15.40	20.29	358.04	-985.34	-17.96	-609.34	603.10
189	2	259	8.83	11.20	-45.41	-45.36	11.15	1.71	1729.51	188.45	1268.25	649.70	705.74
		177	8.83	11.20	-45.41	-45.36	11.15	1.71	1729.51	188.45	1268.25	649.70	705.74
		270	8.83	11.20	-45.41	-45.36	11.15	1.71	1729.51	188.45	1268.25	649.70	705.74
189	7	259	57.88	86.98	-245.19	27.02	-185.23	-127.75	1.154e+04	931.25	9372.66	3101.94	4280.63
		177	57.88	86.98	-245.19	27.02	-185.23	-127.75	1.154e+04	931.25	9372.66	3101.94	4280.63
		270	57.88	86.98	-245.19	27.02	-185.23	-127.75	1.154e+04	931.25	9372.66	3101.94	4280.63
189	14	259	6.60	5.14	-45.38	-45.26	5.01	-2.50	1222.68	131.23	881.05	472.86	506.12
		177	6.60	5.14	-45.38	-45.26	5.01	-2.50	1222.68	131.23	881.05	472.86	506.12
		270	6.60	5.14	-45.38	-45.26	5.01	-2.50	1222.68	131.23	881.05	472.86	506.12
189	16	259	6.52	3.91	-49.64	-49.34	3.61	-4.00	1180.39	125.67	843.81	462.26	491.64
		177	6.52	3.91	-49.64	-49.34	3.61	-4.00	1180.39	125.67	843.81	462.26	491.64
		270	6.52	3.91	-49.64	-49.34	3.61	-4.00	1180.39	125.67	843.81	462.26	491.64
190	2	227	8.96	-11.83	-27.89	-26.49	-13.23	-4.53	1980.43	843.50	1826.06	997.87	-389.46
		238	8.45	-12.81	-28.11	-26.62	-14.29	-4.53	1840.16	988.35	1826.55	1001.96	-106.80
		240	11.04	-11.55	-23.41	-21.30	-13.66	-4.53	2476.84	1071.16	2468.95	1079.05	-105.01
		229	11.44	-10.65	-23.13	-21.18	-12.59	-4.53	2569.05	974.38	2468.46	1074.96	-387.66
190	5	227	55.81	5.08	-241.19	-167.27	-68.83	112.87	1.201e+04	2950.51	1.164e+04	3319.40	1790.01
		238	55.98	41.31	-224.38	-161.58	-21.48	112.87	1.172e+04	2400.68	1.155e+04	2573.54	1257.37
		240	48.75	61.06	-182.62	-106.67	-14.89	112.87	1.044e+04	2320.56	1.034e+04	2428.27	929.19
		229	48.50	28.32	-202.92	-112.35	-62.24	112.87	1.071e+04	2890.55	1.043e+04	3174.14	1461.83
190	14	227	6.78	-11.66	-32.68	-32.12	-12.22	-3.40	1438.18	594.58	1295.40	737.36	-316.33
		238	6.35	-12.47	-32.80	-32.22	-13.05	-3.40	1314.54	734.03	1297.09	751.47	-99.11
		240	8.34	-11.94	-29.38	-28.69	-12.63	-3.40	1799.51	801.99	1790.79	810.72	-92.90
		229	8.67	-11.14	-29.25	-28.59	-11.80	-3.40	1878.03	707.67	1789.09	796.61	-310.13
190	16	227	6.74	-12.56	-37.21	-36.74	-13.03	-3.37	1405.67	572.14	1252.35	725.45	-322.93
		238	6.29	-13.38	-37.33	-36.84	-13.86	-3.37	1275.61	722.84	1254.57	743.88	-105.79
		240	8.28	-12.92	-34.09	-33.53	-13.47	-3.37	1758.07	793.11	1748.08	803.10	-97.68
		229	8.62	-12.10	-33.97	-33.43	-12.63	-3.37	1839.80	690.74	1745.87	784.68	-314.82
191	2	229	11.67	-12.65	-21.21	-21.19	-12.67	0.42	2624.61	1442.74	2524.60	1542.75	-328.94
		240	11.44	-15.27	-21.53	-21.50	-15.30	0.42	2559.41	1484.45	2522.08	1521.78	-196.81

		241	12.67	-15.35	-22.19	-22.16	-15.38	0.42	2855.10	1525.09	2822.38	1557.81	-206.04
		230	12.88	-12.73	-21.87	-21.85	-12.75	0.42	2910.75	1492.93	2824.90	1578.79	-338.17
191	5	229	48.02	8.89	-198.39	-113.95	-75.56	101.85	1.073e+04	3922.28	1.054e+04	4117.38	1136.20
		240	47.94	24.35	-187.70	-111.14	-52.20	101.85	1.063e+04	3641.96	1.050e+04	3777.47	963.88
		241	45.45	36.46	-170.36	-84.85	-49.05	101.85	1.021e+04	3628.12	1.011e+04	3730.47	814.32
		230	45.52	22.10	-182.16	-87.65	-72.40	101.85	1.030e+04	3914.22	1.015e+04	4070.39	986.64
191	14	229	8.83	-11.46	-28.60	-28.55	-11.51	0.91	1918.14	1053.42	1830.43	1141.12	-261.05
		240	8.65	-13.58	-28.86	-28.81	-13.63	0.91	1864.54	1098.10	1829.48	1133.16	-160.14
		241	9.61	-13.76	-30.29	-30.24	-13.81	0.91	2087.71	1131.79	2058.83	1160.68	-163.64
		230	9.77	-11.64	-30.03	-29.99	-11.68	0.91	2132.41	1096.02	2059.78	1168.64	-264.55
191	16	229	8.77	-12.14	-33.44	-33.38	-12.20	1.14	1878.86	1030.78	1786.48	1123.15	-264.21
		240	8.59	-14.30	-33.71	-33.64	-14.37	1.14	1823.85	1080.48	1785.91	1118.41	-163.58
		241	9.55	-14.52	-35.50	-35.44	-14.59	1.14	2045.14	1115.33	2014.62	1145.85	-165.67
		230	9.71	-12.36	-35.24	-35.18	-12.42	1.14	2090.62	1075.16	2015.19	1150.60	-266.30
192	2	230	12.98	-13.48	-22.01	-21.94	-13.55	0.77	2919.62	1696.87	2847.70	1768.79	-287.70
		241	13.02	-14.84	-22.19	-22.11	-14.92	0.77	2900.48	1850.13	2862.07	1888.54	-197.16
		242	13.77	-14.92	-22.78	-22.70	-15.00	0.77	3085.64	1895.43	3067.84	1913.23	-144.47
		231	13.73	-13.56	-22.60	-22.54	-13.62	0.77	3095.87	1751.08	3053.46	1793.48	-235.01
192	5	230	45.58	-15.65	-158.51	-89.16	-85.00	71.40	1.025e+04	3744.52	1.012e+04	3872.14	902.27
		241	45.49	3.51	-142.74	-85.42	-53.81	71.40	1.021e+04	3716.14	1.012e+04	3805.55	756.43
		242	43.60	11.10	-132.81	-69.78	-51.93	71.40	9870.81	3679.17	9784.21	3765.78	727.13
		231	43.70	-6.76	-149.88	-73.52	-83.12	71.40	9917.43	3707.13	9792.20	3832.37	872.97
192	14	230	9.82	-11.77	-30.08	-30.01	-11.84	1.13	2136.21	1244.91	2076.14	1304.98	-223.45
		241	9.84	-12.94	-30.22	-30.15	-13.01	1.13	2120.74	1366.85	2087.55	1400.04	-154.67
		242	10.44	-13.10	-31.51	-31.44	-13.16	1.13	2259.03	1403.64	2243.87	1418.80	-112.84
		231	10.41	-11.93	-31.37	-31.30	-12.00	1.13	2267.42	1288.78	2232.47	1323.73	-181.62
192	16	230	9.76	-12.33	-35.26	-35.18	-12.40	1.34	2093.18	1220.96	2031.08	1283.06	-224.29
		241	9.78	-13.53	-35.41	-35.32	-13.61	1.34	2077.42	1344.49	2042.63	1379.28	-155.85
		242	10.38	-13.73	-37.02	-36.95	-13.81	1.34	2213.97	1382.16	2198.18	1397.95	-113.51
		231	10.35	-12.52	-36.87	-36.80	-12.60	1.34	2222.58	1265.77	2186.63	1301.73	-181.95
193	2	231	13.71	-14.18	-22.61	-22.61	-14.19	0.28	3077.40	1848.62	3061.94	1864.08	-136.95
		242	13.91	-14.64	-22.67	-22.66	-14.65	0.28	3094.62	2036.56	3083.92	2047.27	-105.88
		243	14.16	-14.67	-22.91	-22.90	-14.68	0.28	3155.12	2055.16	3154.53	2055.74	-25.28
		232	13.95	-14.21	-22.86	-22.85	-14.22	0.28	3135.07	1870.04	3132.55	1872.55	-56.35
193	5	231	43.92	-42.46	-120.07	-74.15	-88.38	38.15	9820.74	3011.62	9707.32	3125.04	871.45
		242	43.84	-20.15	-98.99	-69.50	-49.64	38.15	9768.18	2994.73	9699.88	3063.03	676.74
		243	41.47	-13.60	-90.30	-55.90	-48.01	38.15	9324.14	2943.13	9257.34	3009.93	649.45
		232	41.58	-33.32	-113.99	-60.55	-86.75	38.15	9377.79	2958.92	9264.79	3071.93	844.17
193	14	231	10.37	-12.13	-31.33	-31.32	-12.14	0.42	2251.06	1360.07	2238.35	1372.78	-105.65
		242	10.52	-12.58	-31.38	-31.37	-12.59	0.42	2264.34	1505.45	2255.35	1514.44	-82.11
		243	10.72	-12.64	-31.89	-31.88	-12.65	0.42	2309.34	1520.37	2308.84	1520.86	-19.78
		232	10.57	-12.19	-31.84	-31.83	-12.20	0.42	2293.89	1377.15	2291.84	1379.20	-43.32
193	16	231	10.31	-12.61	-36.81	-36.80	-12.62	0.51	2205.33	1335.64	2192.27	1348.70	-105.77
		242	10.45	-13.10	-36.87	-36.86	-13.11	0.51	2218.62	1481.34	2209.30	1490.66	-82.38
		243	10.65	-13.17	-37.51	-37.50	-13.18	0.51	2262.98	1496.52	2262.46	1497.04	-19.92
		232	10.50	-12.69	-37.45	-37.44	-12.70	0.51	2247.53	1352.98	2245.43	1355.08	-43.31
194	2	232	13.95	-14.21	-22.86	-22.85	-14.22	-0.28	3135.07	1870.04	3132.55	1872.55	56.35
		243	14.16	-14.67	-22.91	-22.90	-14.68	-0.28	3155.12	2055.16	3154.53	2055.74	25.28
		244	13.91	-14.64	-22.67	-22.66	-14.65	-0.28	3094.62	2036.56	3083.92	2047.27	105.88
		233	13.71	-14.18	-22.61	-22.61	-14.19	-0.28	3077.40	1848.62	3061.94	1864.08	136.95
194	6	232	41.58	-33.32	-113.99	-60.55	-86.75	-38.15	9377.79	2958.92	9264.78	3071.93	-844.17
		243	41.47	-13.60	-90.30	-55.90	-48.01	-38.15	9324.14	2943.13	9257.34	3009.93	-649.45
		244	43.84	-20.15	-98.99	-69.50	-49.64	-38.15	9768.18	2994.73	9699.88	3063.03	-676.74
		233	43.92	-42.46	-120.07	-74.15	-88.38	-38.15	9820.74	3011.62	9707.32	3125.04	-871.45
194	14	232	10.57	-12.19	-31.84	-31.83	-12.20	-0.42	2293.89	1377.15	2291.84	1379.20	43.32
		243	10.72	-12.64	-31.89	-31.88	-12.65	-0.42	2309.34	1520.37	2308.84	1520.86	19.78
		244	10.52	-12.58	-31.38	-31.37	-12.59	-0.42	2264.34	1505.45	2255.35	1514.44	82.11
		233	10.37	-12.13	-31.33	-31.32	-12.14	-0.42	2251.06	1360.07	2238.35	1372.78	105.65
194	16	232	10.50	-12.69	-37.45	-37.44	-12.70	-0.51	2247.53	1352.98	2245.43	1355.08	43.31
		243	10.65	-13.17	-37.51	-37.50	-13.18	-0.51	2262.98	1496.52	2262.46	1497.04	19.92
		244	10.45	-13.10	-36.87	-36.86	-13.11	-0.51	2218.62	1481.34	2209.30	1490.66	82.38
		233	10.31	-12.61	-36.81	-36.80	-12.62	-0.51	2205.33	1335.64	2192.27	1348.70	105.77
195	2	233	13.73	-13.56	-22.60	-22.54	-13.62	-0.77	3095.87	1751.08	3053.46	1793.48	235.01
		244	13.77	-14.92	-22.78	-22.70	-15.00	-0.77	3085.64	1895.43	3067.83	1913.23	144.47
		245	13.02	-14.84	-22.19	-22.11	-14.92	-0.77	2900.48	1850.13	2862.07	1888.54	197.16
		234	12.98	-13.48	-22.01	-21.94	-13.55	-0.77	2919.62	1696.87	2847.70	1768.79	287.70
195	6	233	43.70	-6.76	-149.88	-73.52	-83.12	-71.40	9917.43	3707.13	9792.20	3832.37	-872.97
		244	43.60	11.10	-132.81	-69.78	-51.93	-71.40	9870.81	3679.17	9784.20	3765.78	-727.13
		245	45.49	3.51	-142.74	-85.42	-53.81	-71.40	1.021e+04	3716.14	1.012e+04	3805.55	-756.43
		234	45.58	-15.65	-158.51	-89.16	-85.00	-71.40	1.025e+04	3744.52	1.012e+04	3872.14	-902.27
195	14	233	10.41	-11.93	-31.37	-31.30	-12.00	-1.13	2267.42	1288.78	2232.47	1323.73	181.62
		244	10.44	-13.10	-31.51	-31.44	-13.16	-1.13	2259.03	1403.64	2243.87	1418.80	112.84
		245	9.84	-12.94	-30.22	-30.15	-13.01	-1.13	2120.74	1366.85	2087.55	1400.04	154.67
		234	9.82	-11.77	-30.08	-30.01	-11.84	-1.13	2136.21	1244.91	2076.14	1304.98	223.45
195	16	233	10.35	-12.52	-36.87	-36.80	-12.60	-1.34	2222.58	1265.77	2186.63	1301.73	181.95
		244	10.38	-13.73	-37.02	-36.95	-13.81	-1.34	2213.97	1382.16	2198.18	1397.95	113.51
		245	9.78	-13.53	-35.41	-35.32	-13.61	-1.34	2077.42	1344.49	2042.63	1379.28	155.85

		234	9.76	-12.33	-35.26	-35.18	-12.40	-1.34	2093.18	1220.96	2031.08	1283.06	224.29
196	2	234	12.88	-12.73	-21.87	-21.85	-12.75	-0.42	2910.75	1492.93	2824.90	1578.79	338.17
		245	12.67	-15.35	-22.19	-22.16	-15.38	-0.42	2855.10	1525.09	2822.38	1557.81	206.04
		246	11.44	-15.27	-21.53	-21.50	-15.30	-0.42	2559.41	1484.45	2522.08	1521.78	196.81
		235	11.67	-12.65	-21.21	-21.19	-12.67	-0.42	2624.61	1442.74	2524.60	1542.75	328.94
196	6	234	45.52	22.10	-182.16	-87.65	-72.40	-101.85	1.030e+04	3914.22	1.015e+04	4070.39	-986.64
		245	45.45	36.46	-170.36	-84.85	-49.05	-101.85	1.021e+04	3628.12	1.011e+04	3730.47	-814.32
		246	47.94	24.35	-187.70	-111.14	-52.20	-101.85	1.063e+04	3641.96	1.050e+04	3777.47	-963.88
		235	48.02	8.89	-198.39	-113.95	-75.56	-101.85	1.073e+04	3922.28	1.054e+04	4117.38	-1136.20
196	14	234	9.77	-11.64	-30.03	-29.99	-11.68	-0.91	2132.41	1096.02	2059.78	1168.64	264.55
		245	9.61	-13.76	-30.29	-30.24	-13.81	-0.91	2087.71	1131.79	2058.83	1160.68	163.64
		246	8.65	-13.58	-28.86	-28.81	-13.63	-0.91	1864.54	1098.10	1829.48	1133.16	160.14
		235	8.83	-11.46	-28.60	-28.55	-11.51	-0.91	1918.14	1053.42	1830.43	1141.12	261.05
196	16	234	9.71	-12.36	-35.24	-35.18	-12.42	-1.14	2090.62	1075.16	2015.19	1150.60	266.30
		245	9.55	-14.52	-35.50	-35.44	-14.59	-1.14	2045.14	1115.33	2014.62	1145.85	165.67
		246	8.59	-14.30	-33.71	-33.64	-14.37	-1.14	1823.85	1080.48	1785.91	1118.41	163.58
		235	8.77	-12.14	-33.44	-33.38	-12.20	-1.14	1878.86	1030.78	1786.48	1123.15	264.21
197	2	235	11.44	-10.65	-23.13	-21.18	-12.59	4.53	2569.05	974.38	2468.46	1074.96	387.66
		246	11.04	-11.55	-23.41	-21.30	-13.66	4.53	2476.84	1071.16	2468.95	1079.05	105.01
		247	8.45	-12.81	-28.11	-26.62	-14.29	4.53	1840.16	988.35	1826.55	1001.96	106.80
		236	8.96	-11.83	-27.89	-26.49	-13.23	4.53	1980.43	843.50	1826.06	997.87	389.46
197	6	235	48.50	28.32	-202.92	-112.35	-62.24	-112.87	1.071e+04	2890.55	1.043e+04	3174.14	-1461.83
		246	48.75	61.06	-182.62	-106.67	-14.89	-112.87	1.044e+04	2320.56	1.034e+04	2428.27	-929.19
		247	55.98	41.31	-224.38	-161.58	-21.48	-112.87	1.172e+04	2400.68	1.155e+04	2573.54	-1257.37
		236	55.81	5.08	-241.19	-167.27	-68.83	-112.87	1.201e+04	2950.51	1.164e+04	3319.40	-1790.01
197	14	235	8.67	-11.14	-29.25	-28.59	-11.80	3.40	1878.03	707.67	1789.09	796.61	310.13
		246	8.34	-11.94	-29.38	-28.69	-12.63	3.40	1799.51	801.99	1790.79	810.72	92.90
		247	6.35	-12.47	-32.80	-32.22	-13.05	3.40	1314.54	734.03	1297.09	751.47	99.11
		236	6.78	-11.66	-32.68	-32.12	-12.22	3.40	1438.18	594.58	1295.40	737.36	316.33
197	16	235	8.62	-12.10	-33.97	-33.43	-12.63	3.37	1839.80	690.74	1745.87	784.68	314.82
		246	8.28	-12.92	-34.09	-33.53	-13.47	3.37	1758.07	793.11	1748.08	803.10	97.68
		247	6.29	-13.38	-37.33	-36.84	-13.86	3.37	1275.61	722.84	1254.57	743.88	105.79
		236	6.74	-12.56	-37.21	-36.74	-13.03	3.37	1405.67	572.14	1252.35	725.45	322.93
198	2	269	13.19	7.22	-82.59	6.23	-81.60	-9.42	2297.08	97.79	453.41	1941.47	809.72
		268	13.19	7.22	-82.59	6.23	-81.60	-9.42	2297.08	97.79	453.41	1941.47	809.72
		625	13.19	7.22	-82.59	6.23	-81.60	-9.42	2297.08	97.79	453.41	1941.47	809.72
198	12	269	71.56	-18.31	-610.78	-96.70	-532.39	-200.75	1.193e+04	1246.39	1377.36	1.180e+04	1175.55
		268	71.56	-18.31	-610.78	-96.70	-532.39	-200.75	1.193e+04	1246.39	1377.36	1.180e+04	1175.55
		625	71.56	-18.31	-610.78	-96.70	-532.39	-200.75	1.193e+04	1246.39	1377.36	1.180e+04	1175.55
198	14	269	9.83	4.29	-75.62	3.10	-74.43	-9.69	1637.80	71.22	340.35	1368.67	590.92
		268	9.83	4.29	-75.62	3.10	-74.43	-9.69	1637.80	71.22	340.35	1368.67	590.92
		625	9.83	4.29	-75.62	3.10	-74.43	-9.69	1637.80	71.22	340.35	1368.67	590.92
198	16	269	9.71	3.81	-80.39	2.44	-79.03	-10.65	1587.09	69.46	337.03	1319.52	578.34
		268	9.71	3.81	-80.39	2.44	-79.03	-10.65	1587.09	69.46	337.03	1319.52	578.34
		625	9.71	3.81	-80.39	2.44	-79.03	-10.65	1587.09	69.46	337.03	1319.52	578.34
199	2	239	17.08	-2.23	-79.55	-78.66	-3.12	-8.25	3127.95	197.79	3126.75	198.99	59.30
		365	16.82	-6.54	-80.12	-79.18	-7.48	-8.25	3143.05	332.56	3142.81	332.81	26.38
		249	15.32	-0.27	-37.24	-35.30	-2.21	-8.25	3070.63	321.19	3067.98	323.83	85.27
		238	15.59	3.91	-36.53	-34.77	2.15	-8.25	3056.80	185.14	3051.93	190.01	118.19
199	9	239	79.83	-47.55	-829.96	-829.90	-47.61	6.59	1.271e+04	2373.78	1.252e+04	2564.09	1389.61
		365	79.19	-94.02	-835.54	-835.48	-94.08	6.59	1.257e+04	2316.32	1.250e+04	2388.05	854.66
		249	61.50	-40.17	-387.38	-387.25	-40.29	6.59	1.135e+04	2175.83	1.128e+04	2242.15	777.21
		238	62.23	6.29	-381.79	-381.68	6.18	6.59	1.149e+04	2228.50	1.131e+04	2418.19	1312.15
199	14	239	12.93	-3.92	-78.46	-77.72	-4.67	-7.40	2266.98	146.36	2266.43	146.91	34.23
		365	12.74	-6.17	-78.75	-77.99	-6.94	-7.40	2279.50	255.17	2279.43	255.24	12.17
		249	11.50	-0.96	-41.33	-39.92	-2.37	-7.40	2231.09	247.41	2229.28	249.22	59.83
		238	11.71	1.24	-40.99	-39.65	-0.10	-7.40	2219.51	137.67	2216.28	140.90	81.90
199	16	239	12.85	-4.79	-85.26	-84.50	-5.56	-7.81	2212.19	144.06	2211.76	144.49	29.75
		365	12.66	-6.62	-85.50	-84.72	-7.40	-7.81	2225.06	254.89	2225.02	254.93	8.97
		249	11.39	-1.23	-46.35	-44.95	-2.63	-7.81	2179.51	247.55	2177.79	249.27	57.57
		238	11.59	0.56	-46.08	-44.73	-0.79	-7.81	2167.57	135.80	2164.54	138.82	78.34
200	2	238	14.55	-15.32	-37.10	-36.90	-15.53	-2.12	3174.10	1157.60	3168.69	1163.01	104.33
		249	14.65	-14.39	-36.98	-36.78	-14.59	-2.12	3138.80	883.81	3135.57	887.04	85.26
		250	14.09	-12.68	-24.55	-24.15	-13.08	-2.12	3092.84	881.25	3092.25	881.84	-36.17
		240	13.99	-13.59	-24.69	-24.27	-14.01	-2.12	3125.52	1157.67	3125.37	1157.82	-17.10
200	9	238	61.85	-84.38	-405.98	-393.98	-96.38	60.95	1.262e+04	6539.57	1.189e+04	7275.71	1984.22
		249	59.84	-113.31	-410.65	-397.58	-126.38	60.95	1.187e+04	6095.31	1.176e+04	6206.15	792.35
		250	44.32	-78.84	-246.54	-220.28	-105.10	60.95	9083.11	5848.76	9050.79	5881.09	321.74
		240	46.60	-52.48	-239.30	-216.68	-75.10	60.95	9944.41	6185.38	9179.13	6950.66	1513.62
200	14	238	10.93	-14.05	-41.43	-41.34	-14.15	-1.61	2307.24	869.12	2304.05	872.31	67.59
		249	11.00	-13.41	-41.35	-41.26	-13.51	-1.61	2281.74	665.68	2279.52	667.89	59.83
		250	10.63	-12.16	-31.28	-31.14	-12.29	-1.61	2262.47	665.21	2261.90	665.78	-30.11
		240	10.57	-12.79	-31.36	-31.22	-12.93	-1.61	2286.79	869.84	2286.43	870.19	-22.36
200	16	238	10.82	-14.93	-46.52	-46.44	-15.01	-1.60	2254.32	860.70	2251.50	863.52	62.60
		249	10.89	-14.33	-46.45	-46.37	-14.41	-1.60	2229.46	660.09	2227.35	662.21	57.56
		250	10.55	-13.06	-36.20	-36.09	-13.17	-1.60	2216.53	660.22	2215.91	660.83	-31.01
		240	10.49	-13.67	-36.27	-36.16	-13.78	-1.60	2240.56	861.65	2240.07	862.14	-25.98

201	2	240	14.12	-15.65	-24.47	-24.46	-15.65	0.14	3185.98	1593.07	3178.49	1600.55	-108.91
		250	14.09	-16.40	-24.56	-24.55	-16.41	0.14	3179.32	1599.66	3178.49	1600.49	-36.17
		251	14.73	-16.10	-22.03	-22.03	-16.10	0.14	3344.58	1619.57	3343.82	1620.33	-36.19
		241	14.76	-15.35	-21.94	-21.94	-15.35	0.14	3350.68	1613.53	3343.82	1620.39	-108.93
201	9	240	47.99	-64.60	-237.88	-217.82	-84.66	55.44	9979.84	7279.46	9300.15	7959.15	1171.94
		250	47.74	-77.02	-241.07	-219.50	-98.59	55.44	9424.24	7902.92	9307.42	8019.74	405.05
		251	40.89	-52.46	-173.48	-137.21	-88.72	55.44	8136.44	7238.63	7564.49	7810.59	431.71
		241	41.17	-41.95	-168.38	-135.54	-74.79	55.44	8856.08	6451.14	7557.22	7750.00	1198.60
201	14	240	10.67	-13.93	-31.34	-31.34	-13.94	0.32	2332.17	1185.59	2325.13	1192.63	-89.59
		250	10.65	-14.61	-31.42	-31.42	-14.61	0.32	2326.24	1194.47	2325.44	1195.28	-30.11
		251	11.19	-14.44	-30.09	-30.08	-14.45	0.32	2461.30	1210.83	2460.63	1211.50	-28.95
		241	11.21	-13.77	-30.01	-30.00	-13.78	0.32	2466.53	1202.64	2460.31	1208.86	-88.43
201	16	240	10.59	-14.68	-36.28	-36.27	-14.68	0.40	2285.52	1169.83	2277.90	1177.45	-91.88
		250	10.57	-15.39	-36.36	-36.35	-15.40	0.40	2279.22	1180.27	2278.35	1181.14	-31.01
		251	11.13	-15.26	-35.27	-35.26	-15.26	0.40	2417.40	1197.04	2416.69	1197.74	-29.38
		241	11.15	-14.55	-35.18	-35.18	-14.55	0.40	2422.87	1187.42	2416.24	1194.05	-90.25
202	2	241	14.98	-14.87	-21.91	-21.88	-14.90	0.42	3390.47	1944.16	3383.51	1951.11	-100.05
		251	14.99	-15.65	-22.00	-21.98	-15.68	0.42	3387.56	1976.17	3386.63	1977.10	-36.19
		252	15.58	-15.69	-22.31	-22.28	-15.71	0.42	3532.17	1994.12	3531.77	1994.52	-24.75
		242	15.58	-14.91	-22.21	-22.19	-14.93	0.42	3533.67	1963.51	3528.66	1968.53	-88.62
202	9	241	38.18	-41.62	-154.70	-134.04	-62.28	43.70	8237.73	5703.63	7410.87	6530.48	1188.13
		251	37.46	-43.44	-155.32	-134.30	-64.46	43.70	7604.97	6357.53	7413.14	6549.36	450.00
		252	31.74	-25.77	-116.88	-84.20	-58.45	43.70	6593.03	5490.61	5735.58	6348.06	458.31
		242	32.59	-24.27	-115.94	-83.94	-56.26	43.70	7264.22	4798.27	5733.31	6329.17	1196.44
202	14	241	11.36	-12.97	-29.92	-29.91	-12.98	0.51	2495.06	1442.19	2489.03	1448.22	-79.45
		251	11.36	-13.63	-30.00	-29.99	-13.65	0.51	2492.46	1469.13	2491.64	1469.95	-28.95
		252	11.85	-13.74	-30.89	-30.88	-13.75	0.51	2606.76	1483.39	2606.43	1483.72	-19.39
		242	11.84	-13.07	-30.81	-30.80	-13.09	0.51	2608.08	1457.73	2603.82	1461.99	-69.89
202	16	241	11.29	-13.56	-35.07	-35.06	-13.58	0.58	2450.58	1421.16	2444.26	1427.48	-80.44
		251	11.30	-14.25	-35.16	-35.14	-14.27	0.58	2447.81	1449.03	2446.95	1449.89	-29.38
		252	11.80	-14.39	-36.30	-36.29	-14.41	0.58	2563.32	1463.47	2562.97	1463.82	-19.52
		242	11.79	-13.70	-36.22	-36.20	-13.72	0.58	2564.71	1436.97	2560.28	1441.40	-70.57
203	2	242	15.68	-14.58	-22.15	-22.15	-14.58	0.15	3546.47	2100.83	3544.74	2102.57	-50.03
		252	15.74	-15.00	-22.20	-22.20	-15.01	0.15	3551.93	2158.39	3551.49	2158.83	-24.75
		253	15.98	-15.04	-22.48	-22.48	-15.04	0.15	3608.95	2165.72	3608.95	2165.72	-9.60e-06
		243	15.92	-14.61	-22.43	-22.43	-14.62	0.15	3602.62	2109.03	3602.19	2109.46	-25.28
203	5	242	25.94	-32.16	-85.75	-68.40	-49.51	25.08	5750.52	2503.58	5674.16	2579.94	492.05
		252	25.71	-4.27	-74.72	-64.23	-14.75	25.08	5672.38	2370.69	5651.55	2391.52	261.43
		253	23.09	-1.01	-64.46	-52.16	-13.30	25.08	5138.74	2317.28	5127.40	2328.62	178.52
		243	23.35	-26.78	-77.61	-56.33	-48.06	25.08	5212.12	2454.93	5150.01	2517.04	409.15
203	14	242	11.91	-12.51	-30.73	-30.73	-12.51	0.19	2616.75	1556.19	2615.30	1557.64	-39.17
		252	11.96	-12.89	-30.78	-30.77	-12.90	0.19	2620.96	1601.33	2620.59	1601.70	-19.39
		253	12.15	-12.95	-31.26	-31.25	-12.95	0.19	2665.55	1607.09	2665.55	1607.09	-7.13e-06
		243	12.10	-12.57	-31.21	-31.21	-12.57	0.19	2660.62	1562.68	2660.26	1563.03	-19.78
203	16	242	11.85	-13.02	-36.12	-36.12	-13.02	0.22	2572.90	1532.61	2571.41	1534.11	-39.44
		252	11.90	-13.43	-36.17	-36.17	-13.43	0.22	2577.11	1578.10	2576.73	1578.48	-19.52
		253	12.09	-13.50	-36.76	-36.76	-13.50	0.22	2621.99	1583.91	2621.99	1583.91	-7.03e-06
		243	12.05	-13.09	-36.71	-36.71	-13.09	0.22	2617.04	1539.17	2616.67	1539.54	-19.92
204	2	243	15.92	-14.61	-22.43	-22.43	-14.62	-0.15	3602.62	2109.03	3602.19	2109.46	25.28
		253	15.98	-15.04	-22.48	-22.48	-15.04	-0.15	3608.95	2165.72	3608.95	2165.72	1.79e-05
		254	15.74	-15.00	-22.20	-22.20	-15.01	-0.15	3551.93	2158.39	3551.49	2158.83	24.75
		244	15.68	-14.58	-22.15	-22.15	-14.58	-0.15	3546.47	2100.83	3544.74	2102.57	50.03
204	10	243	20.14	-6.34	-69.19	-39.48	-36.05	-31.38	4700.60	2201.41	3564.12	3337.89	-1244.47
		253	18.06	-2.14	-65.62	-38.64	-29.12	-31.38	3904.83	3004.82	3564.94	3344.71	-436.32
		254	25.34	-18.55	-96.99	-81.30	-34.24	-31.38	5498.74	3468.00	5401.63	3565.11	-433.33
		244	26.84	-24.18	-99.12	-82.13	-41.17	-31.38	6025.50	2933.60	5400.81	3558.29	-1241.47
204	14	243	12.10	-12.57	-31.21	-31.21	-12.57	-0.19	2660.62	1562.68	2660.26	1563.03	19.78
		253	12.15	-12.95	-31.26	-31.25	-12.95	-0.19	2665.55	1607.09	2665.55	1607.09	1.27e-05
		254	11.96	-12.89	-30.78	-30.77	-12.90	-0.19	2620.96	1601.33	2620.59	1601.70	19.39
		244	11.91	-12.51	-30.73	-30.73	-12.51	-0.19	2616.75	1556.19	2615.30	1557.64	39.17
204	16	243	12.05	-13.09	-36.71	-36.71	-13.09	-0.22	2617.04	1539.17	2616.67	1539.54	19.92
		253	12.09	-13.50	-36.76	-36.76	-13.50	-0.22	2621.99	1583.91	2621.99	1583.91	1.23e-05
		254	11.90	-13.43	-36.17	-36.17	-13.43	-0.22	2577.11	1578.10	2576.73	1578.48	19.52
		244	11.85	-13.02	-36.12	-36.12	-13.02	-0.22	2572.90	1532.61	2571.41	1534.11	39.44
205	2	244	15.58	-14.91	-22.21	-22.19	-14.93	-0.42	3533.67	1963.51	3528.66	1968.53	88.62
		254	15.58	-15.69	-22.31	-22.28	-15.71	-0.42	3532.17	1994.12	3531.77	1994.52	24.75
		255	14.99	-15.65	-22.00	-21.98	-15.68	-0.42	3387.56	1976.17	3386.63	1977.10	36.19
		245	14.98	-14.87	-21.91	-21.88	-14.90	-0.42	3390.47	1944.16	3383.51	1951.11	100.05
205	10	244	32.59	-24.27	-115.94	-83.94	-56.26	-43.70	7264.22	4798.27	5733.31	6329.17	-1196.44
		254	31.74	-25.77	-116.88	-84.20	-58.45	-43.70	6593.03	5490.61	5735.58	6348.06	-458.31
		255	37.46	-43.44	-155.32	-134.30	-64.46	-43.70	7604.97	6357.53	7413.14	6549.36	-450.00
		245	38.18	-41.62	-154.70	-134.04	-62.28	-43.70	8237.73	5703.63	7410.87	6530.48	-1188.13
205	14	244	11.84	-13.07	-30.81	-30.80	-13.09	-0.51	2608.08	1457.73	2603.82	1461.99	69.89
		254	11.85	-13.74	-30.89	-30.88	-13.75	-0.51	2606.76	1483.39	2606.43	1483.72	19.39
		255	11.36	-13.63	-30.00	-29.99	-13.65	-0.51	2492.46	1469.13	2491.64	1469.95	28.95
		245	11.36	-12.97	-29.92	-29.91	-12.98	-0.51	2495.06	1442.19	2489.03	1448.22	79.45
205	16	244	11.79	-13.70	-36.22	-36.20	-13.72	-0.58	2564.71	1436.97	2560.28	1441.40	70.57

		254	11.80	-14.39	-36.30	-36.29	-14.41	-0.58	2563.32	1463.47	2562.97	1463.82	19.52
		255	11.30	-14.25	-35.16	-35.14	-14.27	-0.58	2447.81	1449.03	2446.95	1449.89	29.38
		245	11.29	-13.56	-35.07	-35.06	-13.58	-0.58	2450.58	1421.16	2444.26	1427.48	80.44
206	2	245	14.76	-15.35	-21.94	-21.94	-15.35	-0.14	3350.68	1613.53	3343.82	1620.39	108.93
		255	14.73	-16.10	-22.03	-22.03	-16.10	-0.14	3344.58	1619.57	3343.82	1620.33	36.19
		256	14.09	-16.40	-24.56	-24.55	-16.41	-0.14	3179.32	1599.66	3178.49	1600.49	36.17
		246	14.12	-15.65	-24.47	-24.46	-15.65	-0.14	3185.98	1593.07	3178.49	1600.55	108.91
206	10	245	41.17	-41.95	-168.38	-135.54	-74.79	-55.44	8856.08	6451.14	7557.22	7750.00	-1198.60
		255	40.89	-52.46	-173.48	-137.21	-88.72	-55.44	8136.44	7238.63	7564.49	7810.59	-431.71
		256	47.74	-77.02	-241.07	-219.50	-98.59	-55.44	9424.24	7902.92	9307.42	8019.74	-405.05
		246	47.99	-64.60	-237.88	-217.82	-84.66	-55.44	9979.84	7279.46	9300.15	7959.15	-1171.94
206	14	245	11.21	-13.77	-30.01	-30.00	-13.78	-0.32	2466.53	1202.64	2460.31	1208.86	88.43
		255	11.19	-14.44	-30.09	-30.08	-14.45	-0.32	2461.30	1210.83	2460.63	1211.50	28.95
		256	10.65	-14.61	-31.42	-31.42	-14.61	-0.32	2326.24	1194.47	2325.44	1195.28	30.11
		246	10.67	-13.93	-31.34	-31.34	-13.94	-0.32	2332.17	1185.59	2325.13	1192.63	89.59
206	16	245	11.15	-14.55	-35.18	-35.18	-14.55	-0.40	2422.87	1187.42	2416.24	1194.05	90.25
		255	11.13	-15.26	-35.27	-35.26	-15.26	-0.40	2417.40	1197.04	2416.69	1197.74	29.38
		256	10.57	-15.39	-36.36	-36.35	-15.40	-0.40	2279.22	1180.27	2278.35	1181.14	31.01
		246	10.59	-14.68	-36.28	-36.27	-14.68	-0.40	2285.52	1169.83	2277.90	1177.45	91.88
207	2	246	13.99	-13.59	-24.69	-24.27	-14.01	2.12	3125.52	1157.67	3125.37	1157.82	17.10
		256	14.09	-12.68	-24.55	-24.15	-13.08	2.12	3092.84	881.25	3092.25	881.84	36.17
		257	14.65	-14.39	-36.98	-36.78	-14.59	2.12	3138.80	883.81	3135.57	887.04	-85.26
		247	14.55	-15.32	-37.10	-36.90	-15.53	2.12	3174.10	1157.60	3168.69	1163.01	-104.33
207	10	246	46.60	-52.48	-239.30	-216.68	-75.10	-60.95	9944.41	6185.38	9179.13	6950.66	-1513.62
		256	44.32	-78.84	-246.54	-220.28	-105.10	-60.95	9083.11	5848.76	9050.79	5881.09	-321.74
		257	59.84	-113.31	-410.65	-397.58	-126.38	-60.95	1.187e+04	6095.31	1.176e+04	6206.15	-792.35
		247	61.85	-84.38	-405.98	-393.98	-96.38	-60.95	1.262e+04	6539.57	1.189e+04	7275.71	-1984.22
207	14	246	10.57	-12.79	-31.36	-31.22	-12.93	1.61	2286.79	869.84	2286.43	870.19	22.36
		256	10.63	-12.16	-31.28	-31.14	-12.29	1.61	2262.47	665.21	2261.90	665.78	30.11
		257	11.00	-13.41	-41.35	-41.26	-13.51	1.61	2281.74	665.68	2279.52	667.89	-59.83
		247	10.93	-14.05	-41.43	-41.34	-14.15	1.61	2307.24	869.12	2304.05	872.31	-67.59
207	16	246	10.49	-13.67	-36.27	-36.16	-13.78	1.60	2240.56	861.65	2240.07	862.14	25.98
		256	10.55	-13.06	-36.20	-36.09	-13.17	1.60	2216.53	660.22	2215.91	660.83	31.01
		257	10.89	-14.33	-46.45	-46.37	-14.41	1.60	2229.46	660.09	2227.35	662.21	-57.56
		247	10.82	-14.93	-46.52	-46.44	-15.01	1.60	2254.32	860.70	2251.50	863.52	-62.60
208	2	247	15.59	3.91	-36.53	-34.77	2.15	8.25	3056.80	185.14	3051.93	190.01	-118.19
		257	15.32	-0.27	-37.24	-35.30	-2.21	8.25	3070.63	321.19	3067.98	323.83	-85.27
		258	16.82	-6.54	-80.12	-79.18	-7.48	8.25	3143.05	332.56	3142.81	332.81	-26.38
		248	17.08	-2.23	-79.55	-78.66	-3.12	8.25	3127.95	197.79	3126.75	198.99	-59.30
208	10	247	62.23	6.29	-381.79	-381.68	6.18	-6.59	1.149e+04	2228.50	1.131e+04	2418.19	-1312.15
		257	61.50	-40.17	-387.38	-387.25	-40.29	-6.59	1.135e+04	2175.83	1.128e+04	2242.15	-777.21
		258	79.19	-94.02	-835.54	-835.48	-94.08	-6.59	1.257e+04	2316.32	1.250e+04	2388.05	-854.66
		248	79.83	-47.55	-829.96	-829.90	-47.61	-6.59	1.271e+04	2373.78	1.252e+04	2564.09	-1389.61
208	14	247	11.71	1.24	-40.99	-39.65	-0.10	7.40	2219.51	137.67	2216.28	140.90	-81.90
		257	11.50	-0.96	-41.33	-39.92	-2.37	7.40	2231.09	247.41	2229.28	249.22	-59.83
		258	12.74	-6.17	-78.75	-77.99	-6.94	7.40	2279.50	255.17	2279.43	255.24	-12.17
		248	12.93	-3.92	-78.46	-77.72	-4.67	7.40	2266.98	146.36	2266.43	146.91	-34.23
208	16	247	11.59	0.56	-46.08	-44.73	-0.79	7.81	2167.57	135.80	2164.54	138.82	-78.34
		257	11.39	-1.23	-46.35	-44.95	-2.63	7.81	2179.51	247.55	2177.79	249.27	-57.57
		258	12.66	-6.62	-85.50	-84.72	-7.40	7.81	2225.06	254.89	2225.02	254.93	-8.97
		248	12.85	-4.79	-85.26	-84.50	-5.56	7.81	2212.19	144.06	2211.76	144.49	-29.75
209	2	365	16.82	-6.54	-80.12	-79.18	-7.48	8.25	3143.06	332.56	3142.81	332.81	-26.38
		260	17.08	-2.23	-79.55	-78.66	-3.12	8.25	3127.95	197.79	3126.75	198.99	-59.31
		259	15.59	3.91	-36.53	-34.77	2.15	8.25	3056.80	185.14	3051.92	190.01	-118.19
		249	15.32	-0.27	-37.24	-35.30	-2.21	8.25	3070.63	321.19	3067.98	323.83	-85.26
209	11	365	79.19	-94.02	-835.54	-835.48	-94.08	-6.59	1.257e+04	2316.32	1.250e+04	2388.05	-854.67
		260	79.83	-47.55	-829.96	-829.90	-47.61	-6.59	1.271e+04	2373.79	1.252e+04	2564.10	-1389.62
		259	62.23	6.29	-381.79	-381.68	6.18	-6.59	1.149e+04	2228.51	1.131e+04	2418.20	-1312.16
		249	61.50	-40.17	-387.38	-387.25	-40.29	-6.59	1.135e+04	2175.83	1.128e+04	2242.15	-777.20
209	14	365	12.74	-6.17	-78.75	-77.99	-6.94	7.40	2279.50	255.17	2279.43	255.24	-12.17
		260	12.93	-3.92	-78.46	-77.72	-4.67	7.40	2266.98	146.36	2266.43	146.92	-34.23
		259	11.71	1.24	-40.99	-39.65	-0.10	7.40	2219.51	137.67	2216.28	140.90	-81.90
		249	11.50	-0.96	-41.33	-39.92	-2.37	7.40	2231.09	247.41	2229.28	249.22	-59.83
209	16	365	12.66	-6.62	-85.50	-84.72	-7.40	7.81	2225.06	254.89	2225.02	254.93	-8.97
		260	12.85	-4.79	-85.26	-84.50	-5.56	7.81	2212.19	144.06	2211.77	144.49	-29.75
		259	11.59	0.56	-46.08	-44.73	-0.79	7.81	2167.56	135.80	2164.54	138.82	-78.34
		249	11.39	-1.23	-46.35	-44.95	-2.63	7.81	2179.51	247.55	2177.79	249.27	-57.56
210	2	249	14.65	-14.39	-36.98	-36.78	-14.59	2.12	3138.80	883.81	3135.57	887.04	-85.27
		259	14.55	-15.32	-37.10	-36.90	-15.53	2.12	3174.10	1157.60	3168.68	1163.01	-104.32
		261	13.99	-13.59	-24.69	-24.27	-14.01	2.12	3125.52	1157.67	3125.37	1157.82	17.10
		250	14.09	-12.68	-24.55	-24.15	-13.08	2.12	3092.84	881.25	3092.25	881.84	36.16
210	11	249	59.84	-113.31	-410.65	-397.58	-126.38	-60.95	1.187e+04	6095.31	1.176e+04	6206.15	-792.35
		259	61.85	-84.38	-405.98	-393.98	-96.38	-60.95	1.262e+04	6539.57	1.189e+04	7275.70	-1984.22
		261	46.60	-52.48	-239.30	-216.68	-75.10	-60.95	9944.41	6185.38	9179.13	6950.65	-1513.62
		250	44.32	-78.84	-246.54	-220.28	-105.10	-60.95	9083.12	5848.76	9050.79	5881.09	-321.75
210	14	249	11.00	-13.41	-41.35	-41.26	-13.51	1.61	2281.74	665.68	2279.52	667.89	-59.83
		259	10.93	-14.05	-41.43	-41.34	-14.15	1.61	2307.24	869.12	2304.05	872.31	-67.59

		261	10.57	-12.79	-31.36	-31.22	-12.93	1.61	2286.79	869.84	2286.43	870.19	22.36
		250	10.63	-12.16	-31.28	-31.14	-12.29	1.61	2262.47	665.21	2261.90	665.78	30.11
210	16	249	10.89	-14.33	-46.45	-46.37	-14.41	1.60	2229.46	660.09	2227.35	662.21	-57.57
		259	10.82	-14.93	-46.52	-46.44	-15.01	1.60	2254.32	860.70	2251.50	863.51	-62.60
		261	10.49	-13.67	-36.27	-36.16	-13.78	1.60	2240.56	861.65	2240.07	862.14	25.98
		250	10.55	-13.06	-36.20	-36.09	-13.17	1.60	2216.53	660.22	2215.91	660.83	31.01
211	2	250	14.09	-16.40	-24.56	-24.55	-16.41	-0.14	3179.32	1599.66	3178.49	1600.49	36.16
		261	14.12	-15.65	-24.47	-24.46	-15.65	-0.14	3185.98	1593.07	3178.50	1600.55	108.91
		262	14.76	-15.35	-21.94	-21.94	-15.35	-0.14	3350.68	1613.53	3343.82	1620.39	108.93
		251	14.73	-16.10	-22.03	-22.03	-16.10	-0.14	3344.58	1619.57	3343.82	1620.33	36.19
211	11	250	47.74	-77.02	-241.07	-219.50	-98.59	-55.44	9424.24	7902.92	9307.42	8019.74	-405.05
		261	47.99	-64.60	-237.88	-217.82	-84.66	-55.44	9979.85	7279.46	9300.15	7959.15	-1171.94
		262	41.17	-41.95	-168.38	-135.54	-74.79	-55.44	8856.08	6451.14	7557.21	7750.00	-1198.60
		251	40.89	-52.46	-173.48	-137.21	-88.72	-55.44	8136.44	7238.63	7564.49	7810.59	-431.71
211	14	250	10.65	-14.61	-31.42	-31.42	-14.61	-0.32	2326.24	1194.47	2325.44	1195.28	30.11
		261	10.67	-13.93	-31.34	-31.34	-13.94	-0.32	2332.17	1185.59	2325.13	1192.63	89.59
		262	11.21	-13.77	-30.01	-30.00	-13.78	-0.32	2466.53	1202.64	2460.31	1208.86	88.43
		251	11.19	-14.44	-30.09	-30.08	-14.45	-0.32	2461.30	1210.83	2460.63	1211.50	28.95
211	16	250	10.57	-15.39	-36.36	-36.35	-15.40	-0.40	2279.22	1180.27	2278.35	1181.14	31.01
		261	10.59	-14.68	-36.28	-36.27	-14.68	-0.40	2285.52	1169.83	2277.90	1177.45	91.88
		262	11.15	-14.55	-35.18	-35.18	-14.55	-0.40	2422.87	1187.42	2416.24	1194.05	90.25
		251	11.13	-15.26	-35.27	-35.26	-15.26	-0.40	2417.40	1197.04	2416.69	1197.74	29.38
212	2	251	14.99	-15.65	-22.00	-21.98	-15.68	-0.42	3387.56	1976.17	3386.63	1977.10	36.19
		262	14.98	-14.87	-21.91	-21.88	-14.90	-0.42	3390.47	1944.16	3383.51	1951.11	100.05
		263	15.58	-14.91	-22.21	-22.19	-14.93	-0.42	3533.67	1963.51	3528.66	1968.53	88.62
		252	15.58	-15.69	-22.31	-22.28	-15.71	-0.42	3532.17	1994.12	3531.77	1994.52	24.75
212	11	251	37.46	-43.44	-155.32	-134.30	-64.46	-43.70	7604.97	6357.53	7413.14	6549.36	-450.00
		262	38.18	-41.62	-154.70	-134.04	-62.28	-43.70	8237.73	5703.63	7410.87	6530.48	-1188.13
		263	32.59	-24.27	-115.94	-83.94	-56.26	-43.70	7264.22	4798.27	5733.31	6329.18	-1196.44
		252	31.74	-25.77	-116.88	-84.20	-58.45	-43.70	6593.03	5490.61	5735.58	6348.06	-458.31
212	14	251	11.36	-13.63	-30.00	-29.99	-13.65	-0.51	2492.46	1469.13	2491.64	1469.95	28.95
		262	11.36	-12.97	-29.92	-29.91	-12.98	-0.51	2495.06	1442.19	2489.03	1448.22	79.45
		263	11.84	-13.07	-30.81	-30.80	-13.09	-0.51	2608.08	1457.73	2603.82	1461.99	69.89
		252	11.85	-13.74	-30.89	-30.88	-13.75	-0.51	2606.76	1483.39	2606.43	1483.72	19.39
212	16	251	11.30	-14.25	-35.16	-35.14	-14.27	-0.58	2447.81	1449.03	2446.95	1449.89	29.38
		262	11.29	-13.56	-35.07	-35.06	-13.58	-0.58	2450.58	1421.16	2444.26	1427.48	80.43
		263	11.79	-13.70	-36.22	-36.20	-13.72	-0.58	2564.71	1436.97	2560.28	1441.40	70.57
		252	11.80	-14.39	-36.30	-36.29	-14.41	-0.58	2563.32	1463.47	2562.97	1463.82	19.52
213	2	252	15.74	-15.00	-22.20	-22.20	-15.01	-0.15	3551.93	2158.39	3551.49	2158.83	24.75
		263	15.68	-14.58	-22.15	-22.15	-14.58	-0.15	3546.47	2100.83	3544.74	2102.57	50.03
		264	15.92	-14.61	-22.43	-22.43	-14.62	-0.15	3602.62	2109.03	3602.19	2109.46	25.28
		253	15.98	-15.04	-22.48	-22.48	-15.04	-0.15	3608.95	2165.72	3608.95	2165.72	-1.14e-05
213	11	252	25.34	-18.55	-96.99	-81.30	-34.24	-31.38	5498.74	3468.00	5401.63	3565.11	-433.33
		263	26.84	-24.18	-99.12	-82.13	-41.17	-31.38	6025.50	2933.60	5400.81	3558.29	-1241.47
		264	20.14	-6.34	-69.19	-39.48	-36.05	-31.38	4700.60	2201.41	3564.12	3337.89	-1244.47
		253	18.06	-2.14	-65.62	-38.64	-29.12	-31.38	3904.83	3004.82	3564.94	3344.71	-436.33
213	14	252	11.96	-12.89	-30.78	-30.77	-12.90	-0.19	2620.96	1601.33	2620.59	1601.70	19.39
		263	11.91	-12.51	-30.73	-30.73	-12.51	-0.19	2616.75	1556.19	2615.30	1557.64	39.17
		264	12.10	-12.57	-31.21	-31.21	-12.57	-0.19	2660.62	1562.68	2660.26	1563.03	19.78
		253	12.15	-12.95	-31.26	-31.25	-12.95	-0.19	2665.55	1607.09	2665.55	1607.09	-8.34e-06
213	16	252	11.90	-13.43	-36.17	-36.17	-13.43	-0.22	2577.11	1578.10	2576.73	1578.48	19.52
		263	11.85	-13.02	-36.12	-36.12	-13.02	-0.22	2572.90	1532.61	2571.41	1534.11	39.44
		264	12.05	-13.09	-36.71	-36.71	-13.09	-0.22	2617.04	1539.17	2616.67	1539.54	19.92
		253	12.09	-13.50	-36.76	-36.76	-13.50	-0.22	2621.99	1583.91	2621.99	1583.91	-8.17e-06
214	2	253	15.98	-15.04	-22.48	-22.48	-15.04	0.15	3608.95	2165.72	3608.95	2165.72	1.61e-05
		264	15.92	-14.61	-22.43	-22.43	-14.62	0.15	3602.62	2109.03	3602.19	2109.46	-25.28
		265	15.68	-14.58	-22.15	-22.15	-14.58	0.15	3546.47	2100.83	3544.74	2102.57	-50.03
		254	15.74	-15.00	-22.20	-22.20	-15.01	0.15	3551.93	2158.39	3551.49	2158.83	-24.75
214	12	253	18.06	-2.14	-65.62	-38.64	-29.12	31.38	3904.83	3004.82	3564.94	3344.71	436.33
		264	20.14	-6.34	-69.19	-39.48	-36.05	31.38	4700.60	2201.41	3564.12	3337.89	1244.47
		265	26.84	-24.18	-99.12	-82.13	-41.17	31.38	6025.50	2933.60	5400.81	3558.29	1241.47
		254	25.34	-18.55	-96.99	-81.30	-34.24	31.38	5498.74	3468.00	5401.63	3565.11	433.33
214	14	253	12.15	-12.95	-31.26	-31.25	-12.95	0.19	2665.55	1607.09	2665.55	1607.09	1.15e-05
		264	12.10	-12.57	-31.21	-31.21	-12.57	0.19	2660.62	1562.68	2660.26	1563.03	-19.78
		265	11.91	-12.51	-30.73	-30.73	-12.51	0.19	2616.75	1556.19	2615.30	1557.64	-39.17
		254	11.96	-12.89	-30.78	-30.77	-12.90	0.19	2620.96	1601.33	2620.59	1601.70	-19.39
214	16	253	12.09	-13.50	-36.76	-36.76	-13.50	0.22	2621.99	1583.91	2621.99	1583.91	1.12e-05
		264	12.05	-13.09	-36.71	-36.71	-13.09	0.22	2617.04	1539.17	2616.67	1539.54	-19.92
		265	11.85	-13.02	-36.12	-36.12	-13.02	0.22	2572.90	1532.61	2571.41	1534.11	-39.44
		254	11.90	-13.43	-36.17	-36.17	-13.43	0.22	2577.11	1578.10	2576.73	1578.48	-19.52
215	2	254	15.58	-15.69	-22.31	-22.28	-15.71	0.42	3532.17	1994.12	3531.77	1994.52	-24.75
		265	15.58	-14.91	-22.21	-22.19	-14.93	0.42	3533.67	1963.51	3528.66	1968.53	-88.62
		266	14.98	-14.87	-21.91	-21.88	-14.90	0.42	3390.47	1944.16	3383.51	1951.11	-100.05
		255	14.99	-15.65	-22.00	-21.98	-15.68	0.42	3387.56	1976.17	3386.63	1977.10	-36.19
215	12	254	31.74	-25.77	-116.88	-84.20	-58.45	43.70	6593.03	5490.61	5735.58	6348.06	458.31
		265	32.59	-24.27	-115.94	-83.94	-56.26	43.70	7264.22	4798.27	5733.31	6329.18	1196.44
		266	38.18	-41.62	-154.70	-134.04	-62.28	43.70	8237.73	5703.63	7410.87	6530.48	1188.13

		255	37.46	-43.44	-155.32	-134.30	-64.46	43.70	7604.97	6357.53	7413.14	6549.37	450.00
215	14	254	11.85	-13.74	-30.89	-30.88	-13.75	0.51	2606.76	1483.39	2606.43	1483.72	-19.39
		265	11.84	-13.07	-30.81	-30.80	-13.09	0.51	2608.08	1457.73	2603.82	1461.99	-69.89
		266	11.36	-12.97	-29.92	-29.91	-12.98	0.51	2495.06	1442.19	2489.03	1448.22	-79.45
		255	11.36	-13.63	-30.00	-29.99	-13.65	0.51	2492.46	1469.13	2491.64	1469.95	-28.95
215	16	254	11.80	-14.39	-36.30	-36.29	-14.41	0.58	2563.32	1463.47	2562.97	1463.82	-19.52
		265	11.79	-13.70	-36.22	-36.20	-13.72	0.58	2564.71	1436.97	2560.28	1441.40	-70.57
		266	11.29	-13.56	-35.07	-35.06	-13.58	0.58	2450.58	1421.16	2444.26	1427.48	-80.43
		255	11.30	-14.25	-35.16	-35.14	-14.27	0.58	2447.81	1449.03	2446.95	1449.89	-29.38
216	2	255	14.73	-16.10	-22.03	-22.03	-16.10	0.14	3344.58	1619.57	3343.82	1620.33	-36.19
		266	14.76	-15.35	-21.94	-21.94	-15.35	0.14	3350.68	1613.53	3343.82	1620.39	-108.93
		267	14.12	-15.65	-24.47	-24.46	-15.65	0.14	3185.98	1593.07	3178.50	1600.55	-108.91
		256	14.09	-16.40	-24.56	-24.55	-16.41	0.14	3179.32	1599.66	3178.49	1600.49	-36.16
216	12	255	40.89	-52.46	-173.48	-137.21	-88.72	55.44	8136.44	7238.63	7564.49	7810.59	431.71
		266	41.17	-41.95	-168.38	-135.54	-74.79	55.44	8856.08	6451.14	7557.21	7750.00	1198.60
		267	47.99	-64.60	-237.88	-217.82	-84.66	55.44	9979.85	7279.46	9300.15	7959.15	1171.94
		256	47.74	-77.02	-241.07	-219.50	-98.59	55.44	9424.24	7902.92	9307.42	8019.74	405.05
216	14	255	11.19	-14.44	-30.09	-30.08	-14.45	0.32	2461.30	1210.83	2460.63	1211.50	-28.95
		266	11.21	-13.77	-30.01	-30.00	-13.78	0.32	2466.53	1202.64	2460.31	1208.86	-88.43
		267	10.67	-13.93	-31.34	-31.34	-13.94	0.32	2332.17	1185.59	2325.13	1192.63	-89.59
		256	10.65	-14.61	-31.42	-31.42	-14.61	0.32	2326.24	1194.47	2325.44	1195.28	-30.11
216	16	255	11.13	-15.26	-35.27	-35.26	-15.26	0.40	2417.40	1197.04	2416.69	1197.74	-29.38
		266	11.15	-14.55	-35.18	-35.18	-14.55	0.40	2422.87	1187.42	2416.24	1194.05	-90.25
		267	10.59	-14.68	-36.28	-36.27	-14.68	0.40	2285.52	1169.83	2277.90	1177.45	-91.88
		256	10.57	-15.39	-36.36	-36.35	-15.40	0.40	2279.22	1180.27	2278.35	1181.14	-31.01
217	2	256	14.09	-12.68	-24.55	-24.15	-13.08	-2.12	3092.84	881.25	3092.25	881.84	-36.16
		267	13.99	-13.59	-24.69	-24.27	-14.01	-2.12	3125.52	1157.67	3125.37	1157.82	-17.10
		268	14.55	-15.32	-37.10	-36.90	-15.53	-2.12	3174.10	1157.60	3168.68	1163.01	104.32
		257	14.65	-14.39	-36.98	-36.78	-14.59	-2.12	3138.80	883.81	3135.57	887.04	85.27
217	12	256	44.32	-78.84	-246.54	-220.28	-105.10	60.95	9083.12	5848.76	9050.79	5881.09	321.75
		267	46.60	-52.48	-239.30	-216.68	-75.10	60.95	9944.41	6185.38	9179.13	6950.65	1513.62
		268	61.85	-84.38	-405.98	-393.98	-96.38	60.95	1.262e+04	6539.57	1.189e+04	7275.70	1984.22
		257	59.84	-113.31	-410.65	-397.58	-126.38	60.95	1.187e+04	6095.31	1.176e+04	6206.15	792.35
217	14	256	10.63	-12.16	-31.28	-31.14	-12.29	-1.61	2262.47	665.21	2261.90	665.78	-30.11
		267	10.57	-12.79	-31.36	-31.22	-12.93	-1.61	2286.79	869.84	2286.43	870.19	-22.36
		268	10.93	-14.05	-41.43	-41.34	-14.15	-1.61	2307.24	869.12	2304.05	872.31	67.59
		257	11.00	-13.41	-41.35	-41.26	-13.51	-1.61	2281.74	665.68	2279.52	667.89	59.83
217	16	256	10.55	-13.06	-36.20	-36.09	-13.17	-1.60	2216.53	660.22	2215.91	660.83	-31.01
		267	10.49	-13.67	-36.27	-36.16	-13.78	-1.60	2240.56	861.65	2240.07	862.14	-25.98
		268	10.82	-14.93	-46.52	-46.44	-15.01	-1.60	2254.32	860.70	2251.50	863.51	62.60
		257	10.89	-14.33	-46.45	-46.37	-14.41	-1.60	2229.46	660.09	2227.35	662.21	57.57
218	2	257	15.32	-0.27	-37.24	-35.30	-2.21	-8.25	3070.63	321.19	3067.98	323.83	85.26
		268	15.59	3.91	-36.53	-34.77	2.15	-8.25	3056.80	185.14	3051.92	190.01	118.19
		269	17.08	-2.23	-79.55	-78.66	-3.12	-8.25	3127.95	197.79	3126.75	198.99	59.31
		258	16.82	-6.54	-80.12	-79.18	-7.48	-8.25	3143.06	332.56	3142.81	332.81	26.38
218	12	257	61.50	-40.17	-387.38	-387.25	-40.29	6.59	1.135e+04	2175.83	1.128e+04	2242.15	777.20
		268	62.23	6.29	-381.79	-381.68	6.18	6.59	1.149e+04	2228.51	1.131e+04	2418.20	1312.16
		269	79.83	-47.55	-829.96	-829.90	-47.61	6.59	1.271e+04	2373.79	1.252e+04	2564.10	1389.62
		258	79.19	-94.02	-835.54	-835.48	-94.08	6.59	1.257e+04	2316.32	1.250e+04	2388.05	854.67
218	14	257	11.50	-0.96	-41.33	-39.92	-2.37	-7.40	2231.09	247.41	2229.28	249.22	59.83
		268	11.71	1.24	-40.99	-39.65	-0.10	-7.40	2219.51	137.67	2216.28	140.90	81.90
		269	12.93	-3.92	-78.46	-77.72	-4.67	-7.40	2266.98	146.36	2266.43	146.92	34.23
		258	12.74	-6.17	-78.75	-77.99	-6.94	-7.40	2279.50	255.17	2279.43	255.24	12.17
218	16	257	11.39	-1.23	-46.35	-44.95	-2.63	-7.81	2179.51	247.55	2177.79	249.27	57.56
		268	11.59	0.56	-46.08	-44.73	-0.79	-7.81	2167.56	135.80	2164.54	138.82	78.34
		269	12.85	-4.79	-85.26	-84.50	-5.56	-7.81	2212.19	144.06	2211.77	144.49	29.75
		258	12.66	-6.62	-85.50	-84.72	-7.40	-7.81	2225.06	254.89	2225.02	254.93	8.97
219	2	177	8.05	6.85	-78.47	2.32	-73.94	19.12	1369.02	-220.99	926.83	221.21	-712.43
		271	8.05	6.85	-78.47	2.32	-73.94	19.12	1369.02	-220.99	926.83	221.21	-712.43
		270	8.05	6.85	-78.47	2.32	-73.94	19.12	1369.02	-220.99	926.83	221.21	-712.43
219	7	177	64.81	19.54	-353.83	-285.81	-48.48	144.12	1.228e+04	1267.46	5270.67	8278.34	-5297.74
		271	64.81	19.54	-353.83	-285.81	-48.48	144.12	1.228e+04	1267.46	5270.67	8278.34	-5297.74
		270	64.81	19.54	-353.83	-285.81	-48.48	144.12	1.228e+04	1267.46	5270.67	8278.34	-5297.74
219	14	177	5.99	2.36	-69.20	-2.62	-64.22	18.21	965.77	-197.09	671.43	97.24	-505.61
		271	5.99	2.36	-69.20	-2.62	-64.22	18.21	965.77	-197.09	671.43	97.24	-505.61
		270	5.99	2.36	-69.20	-2.62	-64.22	18.21	965.77	-197.09	671.43	97.24	-505.61
219	16	177	5.90	1.26	-72.72	-4.35	-67.10	19.59	931.91	-208.32	655.08	68.52	-488.90
		271	5.90	1.26	-72.72	-4.35	-67.10	19.59	931.91	-208.32	655.08	68.52	-488.90
		270	5.90	1.26	-72.72	-4.35	-67.10	19.59	931.91	-208.32	655.08	68.52	-488.90
220	2	259	8.45	-12.81	-28.11	-26.62	-14.29	4.53	1840.16	988.35	1826.55	1001.96	106.80
		270	8.96	-11.83	-27.89	-26.49	-13.23	4.53	1980.43	843.51	1826.06	997.88	389.46
		272	11.44	-10.65	-23.13	-21.18	-12.59	4.53	2569.05	974.38	2468.46	1074.96	387.66
		261	11.04	-11.55	-23.41	-21.30	-13.66	4.53	2476.84	1071.16	2468.95	1079.05	105.01
220	7	259	55.98	41.31	-224.38	-161.58	-21.48	-112.87	1.172e+04	2400.68	1.155e+04	2573.54	-1257.37
		270	55.81	5.08	-241.19	-167.27	-68.83	-112.87	1.201e+04	2950.52	1.164e+04	3319.41	-1790.01
		272	48.50	28.32	-202.92	-112.35	-62.24	-112.87	1.071e+04	2890.55	1.043e+04	3174.14	-1461.83
		261	48.75	61.06	-182.62	-106.67	-14.89	-112.87	1.044e+04	2320.56	1.034e+04	2428.27	-929.19

220	14	259	6.35	-12.47	-32.80	-32.22	-13.05	3.40	1314.54	734.03	1297.09	751.47	99.11
		270	6.78	-11.66	-32.68	-32.12	-12.22	3.40	1438.18	594.58	1295.40	737.36	316.33
		272	8.67	-11.14	-29.25	-28.59	-11.80	3.40	1878.03	707.67	1789.09	796.61	310.13
		261	8.34	-11.94	-29.38	-28.69	-12.63	3.40	1799.51	801.99	1790.78	810.71	92.90
220	16	259	6.29	-13.38	-37.33	-36.84	-13.86	3.37	1275.61	722.84	1254.57	743.88	105.79
		270	6.74	-12.56	-37.21	-36.74	-13.03	3.37	1405.67	572.14	1252.35	725.46	322.93
		272	8.62	-12.10	-33.97	-33.43	-12.63	3.37	1839.80	690.74	1745.87	784.68	314.82
		261	8.28	-12.92	-34.09	-33.53	-13.47	3.37	1758.07	793.11	1748.08	803.10	97.68
221	2	261	11.44	-15.27	-21.53	-21.50	-15.30	-0.42	2559.41	1484.45	2522.08	1521.78	196.81
		272	11.67	-12.65	-21.21	-21.19	-12.67	-0.42	2624.61	1442.74	2524.60	1542.75	328.94
		273	12.88	-12.73	-21.87	-21.85	-12.75	-0.42	2910.75	1492.93	2824.90	1578.79	338.17
		262	12.67	-15.35	-22.19	-22.16	-15.38	-0.42	2855.10	1525.09	2822.38	1557.82	206.04
221	7	261	47.94	24.35	-187.70	-111.14	-52.20	-101.85	1.063e+04	3641.96	1.050e+04	3777.47	-963.88
		272	48.02	8.89	-198.39	-113.95	-75.56	-101.85	1.073e+04	3922.28	1.054e+04	4117.38	-1136.20
		273	45.52	22.10	-182.16	-87.65	-72.40	-101.85	1.030e+04	3914.22	1.015e+04	4070.39	-986.64
		262	45.45	36.46	-170.36	-84.85	-49.05	-101.85	1.021e+04	3628.12	1.011e+04	3730.47	-814.32
221	14	261	8.65	-13.58	-28.86	-28.81	-13.63	-0.91	1864.54	1098.10	1829.48	1133.16	160.14
		272	8.83	-11.46	-28.60	-28.55	-11.51	-0.91	1918.14	1053.42	1830.43	1141.12	261.05
		273	9.77	-11.64	-30.03	-29.99	-11.68	-0.91	2132.41	1096.02	2059.78	1168.64	264.55
		262	9.61	-13.76	-30.29	-30.24	-13.81	-0.91	2087.71	1131.79	2058.83	1160.68	163.64
221	16	261	8.59	-14.30	-33.71	-33.64	-14.37	-1.14	1823.85	1080.48	1785.91	1118.41	163.58
		272	8.77	-12.14	-33.44	-33.38	-12.20	-1.14	1878.86	1030.78	1786.48	1123.15	264.21
		273	9.71	-12.36	-35.24	-35.18	-12.42	-1.14	2090.62	1075.16	2015.19	1150.60	266.30
		262	9.55	-14.52	-35.50	-35.44	-14.59	-1.14	2045.14	1115.33	2014.62	1145.85	165.67
222	2	262	13.02	-14.84	-22.19	-22.11	-14.92	-0.77	2900.48	1850.13	2862.07	1888.54	197.16
		273	12.98	-13.48	-22.01	-21.94	-13.55	-0.77	2919.62	1696.87	2847.70	1768.79	287.70
		274	13.73	-13.56	-22.60	-22.54	-13.62	-0.77	3095.87	1751.08	3053.46	1793.48	235.01
		263	13.77	-14.92	-22.78	-22.70	-15.00	-0.77	3085.64	1895.43	3067.83	1913.23	144.47
222	7	262	45.49	3.51	-142.74	-85.42	-53.81	-71.40	1.021e+04	3716.14	1.012e+04	3805.55	-756.43
		273	45.58	-15.65	-158.51	-89.16	-85.00	-71.40	1.025e+04	3744.53	1.012e+04	3872.14	-902.27
		274	43.70	-6.76	-149.88	-73.52	-83.12	-71.40	9917.43	3707.13	9792.20	3832.37	-872.97
		263	43.60	11.10	-132.81	-69.78	-51.93	-71.40	9870.81	3679.17	9784.21	3765.78	-727.13
222	14	262	9.84	-12.94	-30.22	-30.15	-13.01	-1.13	2120.74	1366.85	2087.55	1400.04	154.67
		273	9.82	-11.77	-30.08	-30.01	-11.84	-1.13	2136.21	1244.91	2076.14	1304.98	223.45
		274	10.41	-11.93	-31.37	-31.30	-12.00	-1.13	2267.42	1288.78	2232.47	1323.73	181.62
		263	10.44	-13.10	-31.51	-31.44	-13.16	-1.13	2259.03	1403.64	2243.87	1418.80	112.84
222	16	262	9.78	-13.53	-35.41	-35.32	-13.61	-1.34	2077.42	1344.49	2042.63	1379.28	155.85
		273	9.76	-12.33	-35.26	-35.18	-12.40	-1.34	2093.18	1220.96	2031.08	1283.06	224.29
		274	10.35	-12.52	-36.87	-36.80	-12.60	-1.34	2222.58	1265.77	2186.63	1301.73	181.95
		263	10.38	-13.73	-37.02	-36.95	-13.81	-1.34	2213.97	1382.16	2198.18	1397.95	113.51
223	2	263	13.91	-14.64	-22.67	-22.66	-14.65	-0.28	3094.62	2036.56	3083.92	2047.27	105.88
		274	13.71	-14.18	-22.61	-22.61	-14.19	-0.28	3077.40	1848.62	3061.94	1864.08	136.95
		275	13.95	-14.21	-22.86	-22.85	-14.22	-0.28	3135.07	1870.04	3132.55	1872.55	56.35
		264	14.16	-14.67	-22.91	-22.90	-14.68	-0.28	3155.12	2055.16	3154.53	2055.74	25.28
223	7	263	43.84	-20.15	-98.99	-69.50	-49.64	-38.15	9768.18	2994.73	9699.88	3063.03	-676.74
		274	43.92	-42.46	-120.07	-74.15	-88.38	-38.15	9820.74	3011.62	9707.32	3125.04	-871.45
		275	41.58	-33.32	-113.99	-60.55	-86.75	-38.15	9377.79	2958.92	9264.79	3071.93	-844.17
		264	41.47	-13.60	-90.30	-55.90	-48.01	-38.15	9324.14	2943.13	9257.34	3009.93	-649.45
223	14	263	10.52	-12.58	-31.38	-31.37	-12.59	-0.42	2264.34	1505.45	2255.35	1514.44	82.11
		274	10.37	-12.13	-31.33	-31.32	-12.14	-0.42	2251.06	1360.07	2238.35	1372.78	105.65
		275	10.57	-12.19	-31.84	-31.83	-12.20	-0.42	2293.89	1377.15	2291.84	1379.20	43.32
		264	10.72	-12.64	-31.89	-31.88	-12.65	-0.42	2309.34	1520.37	2308.84	1520.86	19.78
223	16	263	10.45	-13.10	-36.87	-36.86	-13.11	-0.51	2218.62	1481.34	2209.30	1490.66	82.38
		274	10.31	-12.61	-36.81	-36.80	-12.62	-0.51	2205.33	1335.64	2192.27	1348.70	105.77
		275	10.50	-12.69	-37.45	-37.44	-12.70	-0.51	2247.53	1352.98	2245.43	1355.08	43.31
		264	10.65	-13.17	-37.51	-37.50	-13.18	-0.51	2262.98	1496.52	2262.46	1497.04	19.92
224	2	264	14.16	-14.67	-22.91	-22.90	-14.68	0.28	3155.12	2055.16	3154.53	2055.74	-25.28
		275	13.95	-14.21	-22.86	-22.85	-14.22	0.28	3135.07	1870.04	3132.55	1872.55	-56.35
		276	13.71	-14.18	-22.61	-22.61	-14.19	0.28	3077.40	1848.62	3061.94	1864.08	-136.95
		265	13.91	-14.64	-22.67	-22.66	-14.65	0.28	3094.62	2036.56	3083.92	2047.27	-105.88
224	8	264	41.47	-13.60	-90.30	-55.90	-48.01	38.15	9324.14	2943.13	9257.34	3009.93	649.45
		275	41.58	-33.32	-113.99	-60.55	-86.75	38.15	9377.79	2958.92	9264.79	3071.93	844.17
		276	43.92	-42.46	-120.07	-74.15	-88.38	38.15	9820.74	3011.62	9707.32	3125.04	871.45
		265	43.84	-20.15	-98.99	-69.50	-49.64	38.15	9768.18	2994.73	9699.88	3063.03	676.74
224	14	264	10.72	-12.64	-31.89	-31.88	-12.65	0.42	2309.34	1520.37	2308.84	1520.86	-19.78
		275	10.57	-12.19	-31.84	-31.83	-12.20	0.42	2293.89	1377.15	2291.84	1379.20	-43.32
		276	10.37	-12.13	-31.33	-31.32	-12.14	0.42	2251.06	1360.07	2238.35	1372.78	-105.65
		265	10.52	-12.58	-31.38	-31.37	-12.59	0.42	2264.34	1505.45	2255.35	1514.44	-82.11
224	16	264	10.65	-13.17	-37.51	-37.50	-13.18	0.51	2262.98	1496.52	2262.46	1497.04	-19.92
		275	10.50	-12.69	-37.45	-37.44	-12.70	0.51	2247.53	1352.98	2245.43	1355.08	-43.31
		276	10.31	-12.61	-36.81	-36.80	-12.62	0.51	2205.33	1335.64	2192.27	1348.70	-105.77
		265	10.45	-13.10	-36.87	-36.86	-13.11	0.51	2218.62	1481.34	2209.30	1490.66	-82.38
225	2	265	13.77	-14.92	-22.78	-22.70	-15.00	0.77	3085.64	1895.43	3067.83	1913.23	-144.47
		276	13.73	-13.56	-22.60	-22.54	-13.62	0.77	3095.87	1751.08	3053.46	1793.48	-235.01
		277	12.98	-13.48	-22.01	-21.94	-13.55	0.77	2919.62	1696.87	2847.70	1768.79	-287.70
		266	13.02	-14.84	-22.19	-22.11	-14.92	0.77	2900.48	1850.13	2862.07	1888.54	-197.16
225	8	265	43.60	11.10	-132.81	-69.78	-51.93	71.40	9870.81	3679.17	9784.21	3765.78	727.13

		276	43.70	-6.76	-149.88	-73.52	-83.12	71.40	9917.43	3707.13	9792.20	3832.37	872.97
		277	45.58	-15.65	-158.51	-89.16	-85.00	71.40	1.025e+04	3744.53	1.012e+04	3872.14	902.27
		266	45.49	3.51	-142.74	-85.42	-53.81	71.40	1.021e+04	3716.14	1.012e+04	3805.55	756.43
225	14	265	10.44	-13.10	-31.51	-31.44	-13.16	1.13	2259.03	1403.64	2243.87	1418.80	-112.84
		276	10.41	-11.93	-31.37	-31.30	-12.00	1.13	2267.42	1288.78	2232.47	1323.73	-181.62
		277	9.82	-11.77	-30.08	-30.01	-11.84	1.13	2136.21	1244.91	2076.14	1304.98	-223.45
		266	9.84	-12.94	-30.22	-30.15	-13.01	1.13	2120.74	1366.85	2087.55	1400.04	-154.67
225	16	265	10.38	-13.73	-37.02	-36.95	-13.81	1.34	2213.97	1382.16	2198.18	1397.95	-113.51
		276	10.35	-12.52	-36.87	-36.80	-12.60	1.34	2222.58	1265.77	2186.63	1301.73	-181.95
		277	9.76	-12.33	-35.26	-35.18	-12.40	1.34	2093.18	1220.96	2031.08	1283.06	-224.29
		266	9.78	-13.53	-35.41	-35.32	-13.61	1.34	2077.42	1344.49	2042.63	1379.28	-155.85
226	2	266	12.67	-15.35	-22.19	-22.16	-15.38	0.42	2855.10	1525.09	2822.38	1557.82	-206.04
		277	12.88	-12.73	-21.87	-21.85	-12.75	0.42	2910.75	1492.93	2824.90	1578.79	-338.17
		278	11.67	-12.65	-21.21	-21.19	-12.67	0.42	2624.61	1442.74	2524.60	1542.75	-328.94
		267	11.44	-15.27	-21.53	-21.50	-15.30	0.42	2559.41	1484.45	2522.08	1521.78	-196.81
226	8	266	45.45	36.46	-170.36	-84.85	-49.05	101.85	1.021e+04	3628.12	1.011e+04	3730.47	814.32
		277	45.52	22.10	-182.16	-87.65	-72.40	101.85	1.030e+04	3914.22	1.015e+04	4070.39	986.64
		278	48.02	8.89	-198.39	-113.95	-75.56	101.85	1.073e+04	3922.28	1.054e+04	4117.38	1136.20
		267	47.94	24.35	-187.70	-111.14	-52.20	101.85	1.063e+04	3641.96	1.050e+04	3777.47	963.88
226	14	266	9.61	-13.76	-30.29	-30.24	-13.81	0.91	2087.71	1131.79	2058.83	1160.68	-163.64
		277	9.77	-11.64	-30.03	-29.99	-11.68	0.91	2132.41	1096.02	2059.78	1168.64	-264.55
		278	8.83	-11.46	-28.60	-28.55	-11.51	0.91	1918.14	1053.42	1830.43	1141.12	-261.05
		267	8.65	-13.58	-28.86	-28.81	-13.63	0.91	1864.54	1098.10	1829.48	1133.16	-160.14
226	16	266	9.55	-14.52	-35.50	-35.44	-14.59	1.14	2045.14	1115.33	2014.62	1145.85	-165.67
		277	9.71	-12.36	-35.24	-35.18	-12.42	1.14	2090.62	1075.16	2015.19	1150.60	-266.30
		278	8.77	-12.14	-33.44	-33.38	-12.20	1.14	1878.86	1030.78	1786.48	1123.15	-264.21
		267	8.59	-14.30	-33.71	-33.64	-14.37	1.14	1823.85	1080.48	1785.91	1118.41	-163.58
227	2	267	11.04	-11.55	-23.41	-21.30	-13.66	-4.53	2476.84	1071.16	2468.95	1079.05	-105.01
		278	11.44	-10.65	-23.13	-21.18	-12.59	-4.53	2569.05	974.38	2468.46	1074.96	-387.66
		279	8.96	-11.83	-27.89	-26.49	-13.23	-4.53	1980.43	843.51	1826.06	997.88	-389.46
		268	8.45	-12.81	-28.11	-26.62	-14.29	-4.53	1840.16	988.35	1826.55	1001.96	-106.80
227	8	267	48.75	61.06	-182.62	-106.67	-14.89	112.87	1.044e+04	2320.56	1.034e+04	2428.27	929.19
		278	48.50	28.32	-202.92	-112.35	-62.24	112.87	1.071e+04	2890.55	1.043e+04	3174.14	1461.83
		279	55.81	5.08	-241.19	-167.27	-68.83	112.87	1.201e+04	2950.52	1.164e+04	3319.41	1790.01
		268	55.98	41.31	-224.38	-161.58	-21.48	112.87	1.172e+04	2400.68	1.155e+04	2573.54	1257.37
227	14	267	8.34	-11.94	-29.38	-28.69	-12.63	-3.40	1799.51	801.99	1790.78	810.71	-92.90
		278	8.67	-11.14	-29.25	-28.59	-11.80	-3.40	1878.03	707.67	1789.09	796.61	-310.13
		279	6.78	-11.66	-32.68	-32.12	-12.22	-3.40	1438.18	594.58	1295.40	737.36	-316.33
		268	6.35	-12.47	-32.80	-32.22	-13.05	-3.40	1314.54	734.03	1297.09	751.47	-99.11
227	16	267	8.28	-12.92	-34.09	-33.53	-13.47	-3.37	1758.07	793.11	1748.08	803.10	-97.68
		278	8.62	-12.10	-33.97	-33.43	-12.63	-3.37	1839.80	690.74	1745.87	784.68	-314.82
		279	6.74	-12.56	-37.21	-36.74	-13.03	-3.37	1405.67	572.14	1252.35	725.46	-322.93
		268	6.29	-13.38	-37.33	-36.84	-13.86	-3.37	1275.61	722.84	1254.57	743.88	-105.79
228	2	625	8.05	6.85	-78.47	2.32	-73.94	-19.12	1369.02	-220.99	926.83	221.21	712.43
		279	8.05	6.85	-78.47	2.32	-73.94	-19.12	1369.02	-220.99	926.83	221.21	712.43
		280	8.05	6.85	-78.47	2.32	-73.94	-19.12	1369.02	-220.99	926.83	221.21	712.43
228	8	625	64.81	19.54	-353.83	-285.81	-48.48	-144.12	1.228e+04	1267.46	5270.67	8278.34	5297.74
		279	64.81	19.54	-353.83	-285.81	-48.48	-144.12	1.228e+04	1267.46	5270.67	8278.34	5297.74
		280	64.81	19.54	-353.83	-285.81	-48.48	-144.12	1.228e+04	1267.46	5270.67	8278.34	5297.74
228	14	625	5.99	2.36	-69.20	-2.62	-64.22	-18.21	965.77	-197.09	671.43	97.24	505.61
		279	5.99	2.36	-69.20	-2.62	-64.22	-18.21	965.77	-197.09	671.43	97.24	505.61
		280	5.99	2.36	-69.20	-2.62	-64.22	-18.21	965.77	-197.09	671.43	97.24	505.61
228	16	625	5.90	1.26	-72.72	-4.35	-67.10	-19.59	931.91	-208.32	655.08	68.52	488.90
		279	5.90	1.26	-72.72	-4.35	-67.10	-19.59	931.91	-208.32	655.08	68.52	488.90
		280	5.90	1.26	-72.72	-4.35	-67.10	-19.59	931.91	-208.32	655.08	68.52	488.90
229	2	271	6.57	57.52	-15.86	48.44	-6.78	24.16	503.42	-647.99	151.46	-296.03	530.45
		282	9.53	55.57	-23.87	47.38	-15.68	24.16	548.15	-1246.24	92.15	-790.24	781.22
		281	8.65	9.88	-40.46	-8.23	-22.35	24.16	862.69	-922.43	662.10	-721.84	563.77
		270	5.76	14.05	-34.67	-7.17	-13.46	24.16	815.33	-321.57	721.40	-227.64	313.00
229	5	271	53.53	377.99	-38.33	306.03	33.63	157.42	670.00	-9260.81	-8973.53	382.72	1664.46
		282	52.16	388.14	-8.20	310.35	69.59	157.42	-60.18	-9572.78	-9085.18	-547.77	2097.74
		281	46.23	147.65	-177.48	-55.52	25.69	157.42	-74.45	-8455.60	-8100.45	-429.60	1688.32
		270	45.83	124.30	-194.41	-59.83	-10.27	157.42	682.54	-8170.44	-7988.79	500.89	1255.04
229	14	271	4.98	37.42	-16.30	28.70	-7.59	19.81	345.40	-533.36	51.49	-239.45	414.60
		282	7.22	35.70	-22.27	27.88	-14.45	19.81	375.78	-977.56	7.15	-608.93	602.49
		281	6.42	1.68	-38.06	-16.59	-19.79	19.81	601.18	-724.69	434.18	-557.68	439.92
		270	4.17	5.51	-34.20	-15.77	-12.92	19.81	563.07	-272.76	478.52	-188.21	252.03
229	16	271	4.97	34.82	-18.02	25.33	-8.52	20.29	329.38	-547.58	25.87	-244.08	417.18
		282	7.19	33.01	-23.90	24.50	-15.40	20.29	358.04	-985.34	-17.96	-609.34	603.10
		281	6.35	-0.43	-41.01	-20.63	-20.81	20.29	576.93	-730.98	404.59	-558.64	442.39
		270	4.10	3.63	-37.37	-19.81	-13.94	20.29	538.32	-283.27	448.42	-193.37	256.47
230	2	270	6.94	-3.51	-14.22	-6.86	-10.88	4.97	1508.49	227.27	854.47	881.29	640.47
		281	8.57	-2.27	-12.32	-6.52	-8.07	4.97	1690.47	-64.87	842.67	782.93	877.16
		283	9.33	-7.28	-20.62	-18.41	-9.50	4.97	1989.51	238.59	1380.61	847.49	833.89
		272	8.09	-9.60	-21.44	-18.74	-12.30	4.97	1806.70	531.56	1392.42	945.84	597.19
230	7	270	46.98	26.60	-186.81	-99.50	-60.70	-104.93	1.048e+04	2632.19	9989.21	3121.74	-1897.80
		281	46.11	13.55	-197.28	-102.02	-81.70	-104.93	1.045e+04	3849.71	1.012e+04	4183.30	-1445.88

		283	50.04	16.21	-194.24	-96.93	-81.09	-104.93	1.128e+04	4169.19	1.114e+04	4306.55	-978.80
		272	50.70	29.07	-183.57	-94.41	-60.09	-104.93	1.127e+04	2989.96	1.102e+04	3244.99	-1430.71
230	14	270	5.32	-8.38	-17.28	-15.44	-10.22	3.60	1121.48	109.23	579.28	651.43	504.84
		281	6.40	-6.86	-16.78	-15.23	-8.42	3.60	1242.80	-110.55	568.73	563.52	676.67
		283	7.06	-8.94	-26.70	-25.93	-9.70	3.60	1446.23	123.41	959.26	610.38	637.99
		272	6.16	-10.67	-26.99	-26.15	-11.51	3.60	1319.57	348.53	969.81	698.29	466.16
230	16	270	5.33	-9.68	-20.72	-19.45	-10.95	3.52	1106.50	83.05	548.54	641.00	509.63
		281	6.36	-8.17	-20.37	-19.25	-9.29	3.52	1220.29	-134.62	537.42	548.26	677.43
		283	7.02	-10.04	-31.17	-30.57	-10.65	3.52	1413.41	99.39	918.78	594.02	636.63
		272	6.13	-11.66	-31.42	-30.77	-12.31	3.52	1292.67	324.00	929.91	686.76	468.83
231	2	272	8.73	-12.29	-18.83	-18.75	-12.37	0.73	1969.84	892.33	1448.55	1413.63	538.47
		283	9.36	-11.07	-18.67	-18.60	-11.14	0.73	2075.97	603.85	1429.01	1250.81	730.65
		284	10.28	-11.45	-21.70	-21.64	-11.50	0.73	2301.02	867.97	1865.77	1303.22	659.01
		273	9.75	-12.68	-21.85	-21.79	-12.74	0.73	2187.42	1163.93	1885.31	1466.04	466.83
231	7	272	50.17	11.16	-180.57	-96.01	-73.41	-95.20	1.130e+04	4016.54	1.113e+04	4188.23	-1105.09
		283	50.07	-9.55	-200.16	-100.33	-109.38	-95.20	1.128e+04	4244.37	1.115e+04	4373.58	-944.74
		284	51.27	-1.16	-192.76	-86.24	-107.69	-95.20	1.162e+04	4313.86	1.152e+04	4417.31	-863.19
		273	51.35	18.52	-172.15	-81.92	-71.72	-95.20	1.164e+04	4090.46	1.149e+04	4231.96	-1023.53
231	14	272	6.61	-11.21	-26.12	-26.11	-11.22	-0.36	1444.36	609.60	1011.15	1042.81	417.08
		283	7.07	-10.30	-26.01	-26.00	-10.31	-0.36	1513.22	395.45	995.58	913.09	557.36
		284	7.73	-10.78	-29.96	-29.96	-10.79	-0.36	1665.08	600.68	1314.40	951.35	500.28
		273	7.35	-11.68	-30.07	-30.07	-11.69	-0.36	1586.43	824.61	1329.97	1081.07	360.00
231	16	272	6.57	-11.86	-30.74	-30.72	-11.88	-0.73	1416.99	578.78	970.53	1025.24	418.21
		283	7.02	-10.97	-30.64	-30.61	-11.00	-0.73	1480.61	367.90	954.75	893.76	555.52
		284	7.67	-11.53	-35.22	-35.20	-11.55	-0.73	1624.21	573.81	1266.81	931.21	497.67
		273	7.29	-12.41	-35.33	-35.30	-12.43	-0.73	1549.40	795.88	1282.59	1062.69	360.36
232	2	273	9.97	-13.54	-21.89	-21.89	-13.55	0.14	2217.09	1347.06	1908.11	1656.04	416.36
		284	9.83	-14.05	-21.95	-21.95	-14.05	0.14	2203.36	1060.16	1875.90	1387.62	516.84
		285	10.24	-14.16	-22.85	-22.85	-14.16	0.14	2286.67	1232.62	2104.27	1415.02	398.73
		274	10.42	-13.65	-22.79	-22.79	-13.65	0.14	2284.48	1535.44	2136.48	1683.44	298.25
232	7	273	51.40	-10.93	-156.81	-83.43	-84.31	-72.94	1.159e+04	3916.94	1.147e+04	4033.72	-939.17
		284	51.39	-33.27	-184.60	-88.80	-129.07	-72.94	1.157e+04	3796.20	1.146e+04	3913.24	-946.81
		285	51.00	-23.78	-178.75	-75.11	-127.42	-72.94	1.157e+04	3780.62	1.144e+04	3911.16	-999.82
		274	51.01	-2.98	-149.43	-69.74	-82.67	-72.94	1.158e+04	3901.27	1.145e+04	4031.64	-992.18
232	14	273	7.47	-11.83	-30.11	-30.08	-11.85	-0.72	1607.21	956.51	1346.33	1217.40	318.90
		284	7.37	-12.29	-30.17	-30.14	-12.31	-0.72	1587.71	745.49	1321.63	1011.57	391.54
		285	7.67	-12.51	-32.03	-32.00	-12.54	-0.72	1636.43	881.67	1486.72	1031.38	300.97
		274	7.80	-12.05	-31.97	-31.95	-12.08	-0.72	1640.65	1107.98	1511.42	1237.21	228.33
232	16	273	7.39	-12.37	-35.35	-35.30	-12.42	-1.05	1569.34	924.30	1298.48	1195.15	318.36
		284	7.29	-12.86	-35.41	-35.36	-12.91	-1.05	1546.00	717.39	1273.81	989.58	389.16
		285	7.59	-13.14	-37.73	-37.68	-13.19	-1.05	1588.64	854.98	1434.74	1008.89	298.71
		274	7.71	-12.65	-37.67	-37.62	-12.70	-1.05	1595.66	1078.21	1459.41	1214.46	227.90
233	2	274	10.39	-14.22	-22.86	-22.86	-14.22	0.05	2229.29	1669.71	2144.95	1754.04	200.20
		285	9.90	-15.64	-23.03	-23.03	-15.64	0.05	2177.57	1355.26	2105.72	1427.11	232.21
		286	10.01	-15.65	-23.16	-23.16	-15.65	0.05	2188.84	1425.47	2178.48	1435.84	88.36
		275	10.51	-14.23	-22.99	-22.99	-14.23	0.05	2224.58	1755.89	2217.71	1762.77	56.35
233	7	274	51.33	-32.50	-125.80	-70.37	-87.93	-45.81	1.149e+04	3204.09	1.137e+04	3324.30	-990.66
		285	51.41	-52.53	-163.84	-76.59	-139.78	-45.81	1.150e+04	3047.17	1.135e+04	3198.41	-1120.76
		286	49.78	-40.51	-159.56	-62.03	-138.03	-45.81	1.123e+04	2991.42	1.106e+04	3162.93	-1176.15
		275	49.68	-22.73	-119.26	-55.81	-86.18	-45.81	1.121e+04	3150.69	1.107e+04	3288.82	-1046.05
233	14	274	7.75	-12.21	-31.97	-31.96	-12.22	-0.28	1592.99	1210.57	1517.30	1286.26	152.36
		285	7.39	-13.45	-32.12	-32.11	-13.46	-0.28	1547.95	978.04	1487.56	1038.43	175.41
		286	7.47	-13.52	-32.64	-32.64	-13.52	-0.28	1548.68	1035.97	1539.94	1044.71	66.36
		275	7.84	-12.28	-32.50	-32.49	-12.28	-0.28	1576.30	1285.93	1569.68	1292.54	43.32
233	16	274	7.66	-12.72	-37.63	-37.63	-12.72	-0.41	1545.95	1180.53	1465.04	1261.43	151.72
		285	7.30	-14.01	-37.79	-37.78	-14.02	-0.41	1498.24	952.29	1435.48	1015.05	174.14
		286	7.38	-14.10	-38.49	-38.48	-14.11	-0.41	1495.55	1012.06	1486.44	1021.16	65.73
		275	7.74	-12.80	-38.33	-38.32	-12.81	-0.41	1523.34	1260.22	1516.01	1267.55	43.31
234	2	275	10.51	-14.23	-22.99	-22.99	-14.23	-0.05	2224.58	1755.89	2217.71	1762.77	-56.35
		286	10.01	-15.65	-23.16	-23.16	-15.65	-0.05	2188.84	1425.47	2178.48	1435.84	-88.36
		287	9.90	-15.64	-23.03	-23.03	-15.64	-0.05	2177.57	1355.26	2105.72	1427.11	-232.21
		276	10.39	-14.22	-22.86	-22.86	-14.22	-0.05	2229.29	1669.71	2144.95	1754.04	-200.20
234	8	275	49.68	-22.73	-119.26	-55.81	-86.18	45.81	1.121e+04	3150.69	1.107e+04	3288.82	1046.05
		286	49.78	-40.51	-159.56	-62.03	-138.03	45.81	1.123e+04	2991.42	1.106e+04	3162.93	1176.15
		287	51.41	-52.53	-163.84	-76.59	-139.78	45.81	1.150e+04	3047.17	1.135e+04	3198.41	1120.76
		276	51.33	-32.50	-125.80	-70.37	-87.93	45.81	1.149e+04	3204.09	1.137e+04	3324.30	990.66
234	14	275	7.84	-12.28	-32.50	-32.49	-12.28	0.28	1576.30	1285.93	1569.68	1292.54	-43.32
		286	7.47	-13.52	-32.64	-32.64	-13.52	0.28	1548.68	1035.97	1539.94	1044.71	-66.36
		287	7.39	-13.45	-32.12	-32.11	-13.46	0.28	1547.95	978.04	1487.56	1038.43	-175.41
		276	7.75	-12.21	-31.97	-31.96	-12.22	0.28	1592.99	1210.57	1517.30	1286.26	-152.36
234	16	275	7.74	-12.80	-38.33	-38.32	-12.81	0.41	1523.34	1260.22	1516.01	1267.55	-43.31
		286	7.38	-14.10	-38.49	-38.48	-14.11	0.41	1495.55	1012.06	1486.44	1021.16	-65.73
		287	7.30	-14.01	-37.79	-37.78	-14.02	0.41	1498.24	952.29	1435.48	1015.05	-174.14
		276	7.66	-12.72	-37.63	-37.63	-12.72	0.41	1545.95	1180.53	1465.04	1261.43	-151.72
235	2	276	10.42	-13.65	-22.79	-22.79	-13.65	-0.14	2284.48	1535.44	2136.48	1683.44	-298.25
		287	10.24	-14.16	-22.85	-22.85	-14.16	-0.14	2286.67	1232.62	2104.27	1415.02	-398.73
		288	9.83	-14.05	-21.95	-21.95	-14.05	-0.14	2203.36	1060.16	1875.90	1387.62	-516.84

		277	9.97	-13.54	-21.89	-21.89	-13.55	-0.14	2217.09	1347.06	1908.11	1656.04	-416.36
235	8	276	51.01	-2.98	-149.43	-69.74	-82.67	72.94	1.158e+04	3901.27	1.145e+04	4031.64	992.18
		287	51.00	-23.78	-178.75	-75.11	-127.42	72.94	1.157e+04	3780.62	1.144e+04	3911.16	999.82
		288	51.39	-33.27	-184.60	-88.80	-129.07	72.94	1.157e+04	3796.20	1.146e+04	3913.24	946.81
		277	51.40	-10.93	-156.81	-83.43	-84.31	72.94	1.159e+04	3916.94	1.147e+04	4033.72	939.17
235	14	276	7.80	-12.05	-31.97	-31.95	-12.08	0.72	1640.65	1107.98	1511.42	1237.21	-228.33
		287	7.67	-12.51	-32.03	-32.00	-12.54	0.72	1636.43	881.67	1486.72	1031.38	-300.97
		288	7.37	-12.29	-30.17	-30.14	-12.31	0.72	1587.71	745.49	1321.63	1011.57	-391.54
		277	7.47	-11.83	-30.11	-30.08	-11.85	0.72	1607.21	956.51	1346.33	1217.40	-318.90
235	16	276	7.71	-12.65	-37.67	-37.62	-12.70	1.05	1595.66	1078.21	1459.41	1214.46	-227.90
		287	7.59	-13.14	-37.73	-37.68	-13.19	1.05	1588.64	854.98	1434.74	1008.89	-298.71
		288	7.29	-12.86	-35.41	-35.36	-12.91	1.05	1546.00	717.39	1273.81	989.58	-389.16
		277	7.39	-12.37	-35.35	-35.30	-12.42	1.05	1569.34	924.30	1298.48	1195.15	-318.36
236	2	277	9.75	-12.68	-21.85	-21.79	-12.74	-0.73	2187.42	1163.93	1885.31	1466.04	-466.83
		288	10.28	-11.45	-21.70	-21.64	-11.50	-0.73	2301.02	867.97	1865.77	1303.22	-659.01
		289	9.36	-11.07	-18.67	-18.60	-11.14	-0.73	2075.97	603.85	1429.01	1250.81	-730.65
		278	8.73	-12.29	-18.83	-18.75	-12.37	-0.73	1969.84	892.33	1448.55	1413.63	-538.47
236	8	277	51.35	18.52	-172.15	-81.92	-71.72	95.20	1.164e+04	4090.46	1.149e+04	4231.96	1023.53
		288	51.27	-1.16	-192.76	-86.24	-107.69	95.20	1.162e+04	4313.86	1.152e+04	4417.31	863.19
		289	50.07	-9.55	-200.16	-100.33	-109.38	95.20	1.128e+04	4244.37	1.115e+04	4373.58	944.74
		278	50.17	11.16	-180.57	-96.01	-73.41	95.20	1.130e+04	4016.54	1.113e+04	4188.23	1105.09
236	14	277	7.35	-11.68	-30.07	-30.07	-11.69	0.36	1586.43	824.61	1329.97	1081.07	-360.00
		288	7.73	-10.78	-29.96	-29.96	-10.79	0.36	1665.08	600.68	1314.40	951.35	-500.28
		289	7.07	-10.30	-26.01	-26.00	-10.31	0.36	1513.22	395.45	995.58	913.09	-557.36
		278	6.61	-11.21	-26.12	-26.11	-11.22	0.36	1444.36	609.60	1011.15	1042.81	-417.08
236	16	277	7.29	-12.41	-35.33	-35.30	-12.43	0.73	1549.40	795.88	1282.59	1062.69	-360.36
		288	7.67	-11.53	-35.22	-35.20	-11.55	0.73	1624.21	573.81	1266.81	931.21	-497.67
		289	7.02	-10.97	-30.64	-30.61	-11.00	0.73	1480.61	367.90	954.75	893.76	-555.52
		278	6.57	-11.86	-30.74	-30.72	-11.88	0.73	1416.99	578.78	970.53	1025.24	-418.21
237	2	278	8.09	-9.60	-21.44	-18.74	-12.30	-4.97	1806.70	531.56	1392.42	945.84	-597.19
		289	9.33	-7.28	-20.62	-18.41	-9.50	-4.97	1989.51	238.59	1380.61	847.49	-833.89
		290	8.57	-2.27	-12.32	-6.52	-8.07	-4.97	1690.47	-64.87	842.67	782.93	-877.16
		279	6.94	-3.51	-14.22	-6.86	-10.88	-4.97	1508.49	227.27	854.47	881.29	-640.47
237	6	278	48.04	87.58	-111.98	-77.02	52.61	-75.86	2212.15	-7681.71	-7555.92	2086.36	-1108.47
		289	45.01	122.40	-101.77	-72.19	92.82	-75.86	663.56	-7923.80	-7747.78	487.54	-1216.78
		290	47.63	128.59	-79.86	-47.10	95.83	-75.86	873.82	-8409.76	-7993.94	458.00	-1920.27
		279	50.41	94.84	-91.14	-51.93	55.62	-75.86	2379.29	-8124.55	-7802.08	2056.82	-1811.96
237	14	278	6.16	-10.67	-26.99	-26.15	-11.51	-3.60	1319.57	348.53	969.81	698.29	-466.16
		289	7.06	-8.94	-26.70	-25.93	-9.70	-3.60	1446.23	123.41	959.26	610.38	-637.99
		290	6.40	-6.86	-16.78	-15.23	-8.42	-3.60	1242.80	-110.55	568.73	563.52	-676.67
		279	5.32	-8.38	-17.28	-15.44	-10.22	-3.60	1121.48	109.23	579.28	651.43	-504.84
237	16	278	6.13	-11.66	-31.42	-30.77	-12.31	-3.52	1292.67	324.00	929.91	686.76	-468.83
		289	7.02	-10.04	-31.17	-30.57	-10.65	-3.52	1413.41	99.39	918.78	594.02	-636.63
		290	6.36	-8.17	-20.37	-19.25	-9.29	-3.52	1220.29	-134.62	537.42	548.26	-677.43
		279	5.33	-9.68	-20.72	-19.45	-10.95	-3.52	1106.50	83.05	548.54	641.00	-509.63
238	2	279	5.76	14.05	-34.67	-7.17	-13.46	-24.16	815.33	-321.57	721.40	-227.64	-313.00
		290	8.65	9.88	-40.46	-8.23	-22.35	-24.16	862.69	-922.43	662.10	-721.84	-563.77
		291	9.53	55.57	-23.87	47.38	-15.68	-24.16	548.15	-1246.24	92.15	-790.24	-781.22
		280	6.57	57.52	-15.86	48.44	-6.78	-24.16	503.42	-647.99	151.46	-296.03	-530.45
238	6	279	45.83	124.30	-194.41	-59.83	-10.27	-157.42	682.54	-8170.44	-7988.79	500.89	-1255.04
		290	46.23	147.65	-177.48	-55.52	25.69	-157.42	-74.45	-8455.60	-8100.45	-429.60	-1688.32
		291	52.16	388.14	-8.20	310.35	69.59	-157.42	-60.18	-9572.78	-9085.18	-547.77	-2097.74
		280	53.53	377.99	-38.33	306.03	33.63	-157.42	670.00	-9260.81	-8973.53	382.72	-1664.46
238	14	279	4.17	5.51	-34.20	-15.77	-12.92	-19.81	563.07	-272.76	478.52	-188.21	-252.03
		290	6.42	1.68	-38.06	-16.59	-19.79	-19.81	601.18	-724.69	434.18	-557.68	-439.92
		291	7.22	35.70	-22.27	27.88	-14.45	-19.81	375.78	-977.56	7.15	-608.93	-602.49
		280	4.98	37.42	-16.30	28.70	-7.59	-19.81	345.40	-533.36	51.49	-239.45	-414.60
238	16	279	4.10	3.63	-37.37	-19.81	-13.94	-20.29	538.32	-283.27	448.42	-193.37	-256.47
		290	6.35	-0.43	-41.01	-20.63	-20.81	-20.29	576.93	-730.98	404.59	-558.64	-442.39
		291	7.19	33.01	-23.90	24.50	-15.40	-20.29	358.04	-985.34	-17.96	-609.34	-603.10
		280	4.97	34.82	-18.02	25.33	-8.52	-20.29	329.38	-547.58	25.87	-244.08	-417.18
239	2	282	7.47	66.59	-14.07	65.97	-13.45	7.06	-38.60	-1434.11	-599.48	-873.23	684.19
		293	7.94	66.23	-16.91	65.62	-16.31	7.06	281.66	-1387.73	-560.20	-545.88	834.66
		292	9.09	3.32	-25.83	1.50	-24.00	7.06	627.60	-1350.67	-218.22	-504.85	978.70
		281	8.49	3.84	-23.14	1.84	-21.14	7.06	331.81	-1421.50	-257.50	-832.20	828.23
239	5	282	33.38	153.75	8.50	115.98	46.27	63.71	118.57	-6435.52	-6124.46	-192.48	1393.53
		293	32.83	159.19	19.76	117.77	61.18	63.71	163.61	-6252.98	-6100.08	10.71	978.64
		292	37.04	90.84	-45.44	-1.47	46.87	63.71	58.19	-7203.64	-7043.01	-102.45	1068.05
		281	37.85	80.45	-51.75	-3.26	31.96	63.71	5.29	-7378.32	-7067.39	-305.64	1482.93
239	14	282	5.71	44.11	-13.35	43.35	-12.60	6.56	-59.56	-1108.97	-498.88	-669.65	517.71
		293	6.01	43.80	-15.69	43.07	-14.96	6.56	175.47	-1069.88	-469.51	-424.90	622.27
		292	6.88	-4.63	-23.63	-7.26	-21.00	6.56	420.47	-1048.71	-231.86	-396.38	729.97
		281	6.48	-4.03	-21.58	-6.98	-18.64	6.56	202.43	-1104.80	-261.23	-641.13	625.40
239	16	282	5.70	41.34	-14.38	40.44	-13.48	7.01	-71.16	-1111.43	-513.75	-668.84	514.32
		293	5.98	41.01	-16.77	40.15	-15.91	7.01	159.38	-1070.95	-484.71	-426.86	614.48
		292	6.85	-7.25	-25.33	-10.58	-22.00	7.01	396.15	-1052.77	-257.08	-399.54	720.95
		281	6.47	-6.52	-23.33	-10.28	-19.57	7.01	181.91	-1109.54	-286.11	-641.52	620.79

240	2	281	10.53	6.78	-10.09	3.55	-6.86	6.64	1499.38	-903.72	-76.93	672.58	1141.62
		292	11.37	5.06	-16.14	2.72	-13.80	6.64	1454.98	-1162.48	-109.41	401.91	1283.52
		294	10.32	-9.44	-22.72	-16.10	-16.06	6.64	1496.82	-843.11	213.10	440.61	1164.42
		283	9.46	-4.88	-19.51	-15.26	-9.12	6.64	1527.13	-570.26	245.58	711.28	1022.52
240	5	281	40.95	125.72	-18.45	5.16	102.10	53.36	953.54	-7332.45	-6960.88	581.97	1714.88
		292	37.26	124.82	-18.73	5.03	101.05	53.36	-334.18	-7352.36	-7100.98	-585.57	1304.25
		294	41.99	108.22	-85.12	-69.06	92.16	53.36	-613.34	-8118.44	-8034.22	-697.56	790.54
		283	45.19	109.19	-84.91	-68.93	93.21	53.36	639.06	-8063.20	-7894.12	469.98	1201.16
240	14	281	7.98	-1.88	-11.00	-5.61	-7.26	4.49	1090.66	-737.28	-126.69	480.07	862.15
		292	8.47	-3.90	-14.85	-6.24	-12.51	4.49	1036.73	-915.77	-151.59	272.55	952.94
		294	7.64	-12.73	-25.43	-23.58	-14.59	4.49	1046.15	-694.10	54.75	297.31	861.63
		283	7.16	-8.00	-24.29	-22.95	-9.34	4.49	1091.86	-507.38	79.65	504.83	770.84
240	16	281	7.94	-4.21	-12.74	-8.90	-8.05	4.24	1066.07	-753.98	-153.29	465.37	855.84
		292	8.37	-6.76	-16.02	-9.53	-13.25	4.24	1004.37	-924.40	-178.16	258.13	939.39
		294	7.55	-14.17	-29.29	-27.99	-15.47	4.24	1005.14	-712.49	11.74	280.91	848.20
		283	7.13	-9.27	-28.36	-27.36	-10.26	4.24	1059.67	-534.90	36.61	488.16	764.65
241	2	283	9.28	-8.64	-17.58	-15.46	-10.76	3.80	1710.99	-302.40	293.98	1114.61	919.28
		294	9.37	-12.21	-19.82	-16.08	-15.95	3.80	1562.84	-551.75	251.39	759.70	1026.30
		295	8.16	-14.43	-23.33	-21.19	-16.56	3.80	1524.24	-240.74	494.62	788.88	870.14
		284	8.12	-10.00	-21.93	-20.57	-11.37	3.80	1661.68	19.32	537.21	1143.79	763.12
241	5	283	44.34	106.57	-68.81	-67.49	105.25	15.18	705.57	-7914.95	-7871.11	661.73	613.21
		294	42.13	140.60	-64.51	-63.38	139.47	15.18	-441.64	-8029.63	-8006.31	-464.96	420.02
		295	44.24	139.09	-76.55	-75.48	138.02	15.18	-516.93	-8446.11	-8445.38	-517.65	-75.73
		284	46.27	105.05	-80.83	-79.58	103.80	15.18	610.59	-8311.73	-8310.18	609.04	117.46
241	14	283	7.01	-9.72	-23.26	-23.02	-9.95	1.76	1233.74	-310.23	115.97	807.54	690.21
		294	6.93	-13.83	-23.85	-23.52	-14.15	1.76	1102.12	-479.88	83.69	538.55	757.60
		295	6.01	-14.69	-30.01	-29.80	-14.90	1.76	1055.86	-262.08	236.85	556.93	639.24
		284	6.07	-10.54	-29.47	-29.30	-10.71	1.76	1183.54	-88.49	269.13	825.92	571.85
241	16	283	6.98	-10.51	-27.51	-27.41	-10.61	1.31	1201.70	-341.22	72.58	787.90	683.54
		294	6.85	-14.76	-28.05	-27.92	-14.89	1.31	1063.24	-502.26	40.49	520.49	745.05
		295	5.91	-15.66	-35.21	-35.12	-15.75	1.31	1011.06	-293.52	180.27	537.27	627.39
		284	6.05	-11.41	-34.68	-34.61	-11.48	1.31	1147.21	-130.18	212.36	804.68	565.88
242	1	284	8.22	-22.80	-100.36	-100.22	-22.94	-3.37	1087.01	-512.76	-307.52	881.77	534.98
		295	7.16	-31.47	-101.42	-101.26	-31.63	-3.37	790.98	-599.38	-348.52	540.12	534.65
		296	6.69	-32.68	-111.32	-111.17	-32.82	-3.37	683.10	-492.35	-349.28	540.03	384.32
		285	7.83	-24.00	-110.26	-110.13	-24.13	-3.37	995.19	-421.80	-308.28	881.68	384.66
242	5	284	45.34	109.80	-79.54	-78.93	109.19	-10.68	133.56	-8382.10	-8368.83	120.29	-335.84
		295	44.41	161.26	-73.23	-72.75	160.77	-10.68	-648.64	-8490.86	-8464.29	-675.21	-455.66
		296	45.91	161.86	-68.30	-67.80	161.36	-10.68	-627.84	-8816.67	-8736.62	-707.89	-805.68
		285	46.76	110.40	-74.61	-73.99	109.79	-10.68	141.17	-8694.72	-8641.16	87.61	-685.86
242	13	284	6.33	-17.54	-77.20	-77.09	-17.65	-2.60	836.16	-394.43	-236.56	678.29	411.53
		295	5.51	-24.21	-78.02	-77.89	-24.33	-2.60	608.44	-461.06	-268.09	415.48	411.27
		296	5.14	-25.14	-85.63	-85.52	-25.25	-2.60	525.46	-378.73	-268.68	415.41	295.63
		285	6.02	-18.46	-84.82	-84.72	-18.56	-2.60	765.53	-324.46	-237.14	678.22	295.89
242	15	284	6.33	-17.54	-77.20	-77.09	-17.65	-2.60	836.16	-394.43	-236.56	678.29	411.53
		295	5.51	-24.21	-78.02	-77.89	-24.33	-2.60	608.44	-461.06	-268.09	415.48	411.27
		296	5.14	-25.14	-85.63	-85.52	-25.25	-2.60	525.46	-378.73	-268.68	415.41	295.63
		285	6.02	-18.46	-84.82	-84.72	-18.56	-2.60	765.53	-324.46	-237.14	678.22	295.89
243	1	285	7.44	-24.32	-110.18	-110.16	-24.34	-1.32	924.54	-352.49	-308.43	880.47	233.09
		296	6.16	-34.76	-111.43	-111.41	-34.79	-1.32	586.42	-406.93	-350.49	529.98	229.97
		297	6.01	-35.14	-114.56	-114.54	-35.16	-1.32	535.55	-364.01	-357.59	529.13	75.75
		286	7.31	-24.69	-113.30	-113.28	-24.71	-1.32	884.80	-320.71	-315.53	879.62	78.87
243	10	285	46.28	149.31	-120.97	6.59	21.76	134.93	2565.79	-6562.38	-3064.59	-932.00	4437.78
		296	48.13	161.81	-110.11	9.09	42.61	134.93	2827.09	-6746.42	-3056.31	-863.01	4659.44
		297	48.10	138.86	-141.56	-39.48	36.78	134.93	3093.17	-6448.27	-2552.54	-802.56	4689.79
		286	46.24	124.97	-151.02	-41.98	15.93	134.93	2831.08	-6263.45	-2560.82	-871.54	4468.13
243	13	285	5.72	-18.70	-84.75	-84.73	-18.72	-1.01	711.18	-271.15	-237.25	677.29	179.30
		296	4.74	-26.74	-85.72	-85.70	-26.76	-1.01	451.09	-313.02	-269.60	407.67	176.90
		297	4.62	-27.03	-88.12	-88.11	-27.05	-1.01	411.96	-280.01	-275.07	407.02	58.27
		286	5.62	-18.99	-87.16	-87.14	-19.01	-1.01	680.62	-246.70	-242.71	676.63	60.67
243	15	285	5.72	-18.70	-84.75	-84.73	-18.72	-1.01	711.18	-271.15	-237.25	677.29	179.30
		296	4.74	-26.74	-85.72	-85.70	-26.76	-1.01	451.09	-313.02	-269.60	407.67	176.90
		297	4.62	-27.03	-88.12	-88.11	-27.05	-1.01	411.96	-280.01	-275.07	407.02	58.27
		286	5.62	-18.99	-87.16	-87.14	-19.01	-1.01	680.62	-246.70	-242.71	676.63	60.67
244	1	286	7.31	-24.69	-113.30	-113.28	-24.71	1.32	884.80	-320.71	-315.53	879.62	-78.87
		297	6.01	-35.14	-114.56	-114.54	-35.16	1.32	535.55	-364.01	-357.59	529.13	-75.75
		298	6.16	-34.76	-111.43	-111.41	-34.79	1.32	586.42	-406.93	-350.49	529.98	-229.97
		287	7.44	-24.32	-110.18	-110.16	-24.34	1.32	924.54	-352.49	-308.43	880.47	-233.09
244	9	286	46.24	124.97	-151.02	-41.98	15.93	-134.93	2831.08	-6263.45	-2560.82	-871.54	-4468.13
		297	48.10	138.86	-141.56	-39.48	36.78	-134.93	3093.17	-6448.27	-2552.54	-802.56	-4689.79
		298	48.13	161.81	-110.11	9.09	42.61	-134.93	2827.09	-6746.42	-3056.31	-863.01	-4659.44
		287	46.28	149.31	-120.97	6.59	21.76	-134.93	2565.79	-6562.38	-3064.59	-932.00	-4437.78
244	13	286	5.62	-18.99	-87.16	-87.14	-19.01	1.01	680.62	-246.70	-242.71	676.63	-60.67
		297	4.62	-27.03	-88.12	-88.11	-27.05	1.01	411.96	-280.01	-275.07	407.02	-58.27
		298	4.74	-26.74	-85.72	-85.70	-26.76	1.01	451.09	-313.02	-269.60	407.67	-176.90
		287	5.72	-18.70	-84.75	-84.73	-18.72	1.01	711.18	-271.15	-237.25	677.29	-179.30
244	15	286	5.62	-18.99	-87.16	-87.14	-19.01	1.01	680.62	-246.70	-242.71	676.63	-60.67

		297	4.62	-27.03	-88.12	-88.11	-27.05	1.01	411.96	-280.01	-275.07	407.02	-58.27
		298	4.74	-26.74	-85.72	-85.70	-26.76	1.01	451.09	-313.02	-269.60	407.67	-176.90
		287	5.72	-18.70	-84.75	-84.73	-18.72	1.01	711.18	-271.15	-237.25	677.29	-179.30
245	1	287	7.83	-24.00	-110.26	-110.13	-24.13	3.37	995.19	-421.80	-308.28	881.68	-384.66
		298	6.69	-32.68	-111.32	-111.17	-32.82	3.37	683.10	-492.35	-349.28	540.03	-384.32
		299	7.16	-31.47	-101.42	-101.26	-31.63	3.37	790.98	-599.38	-348.52	540.12	-534.65
		288	8.22	-22.80	-100.36	-100.22	-22.94	3.37	1087.01	-512.76	-307.52	881.77	-534.98
245	5	287	46.57	126.75	-70.69	-46.74	102.79	-64.47	-1687.38	-9561.96	-9196.54	-2052.80	-1656.49
		298	46.74	180.15	-58.63	-39.72	161.24	-64.47	-1797.80	-9559.85	-9208.14	-2149.50	-1614.38
		299	45.95	184.08	-39.95	-19.53	163.67	-64.47	-1764.39	-9486.07	-9112.44	-2138.02	-1656.93
		288	45.79	131.51	-52.84	-26.55	105.21	-64.47	-1653.69	-9488.47	-9100.84	-2041.32	-1699.04
245	13	287	6.02	-18.46	-84.82	-84.72	-18.56	2.60	765.53	-324.46	-237.14	678.22	-295.89
		298	5.14	-25.14	-85.63	-85.52	-25.25	2.60	525.46	-378.73	-268.68	415.41	-295.63
		299	5.51	-24.21	-78.02	-77.89	-24.33	2.60	608.44	-461.06	-268.09	415.48	-411.27
		288	6.33	-17.54	-77.20	-77.09	-17.65	2.60	836.16	-394.43	-236.56	678.29	-411.53
245	15	287	6.02	-18.46	-84.82	-84.72	-18.56	2.60	765.53	-324.46	-237.14	678.22	-295.89
		298	5.14	-25.14	-85.63	-85.52	-25.25	2.60	525.46	-378.73	-268.68	415.41	-295.63
		299	5.51	-24.21	-78.02	-77.89	-24.33	2.60	608.44	-461.06	-268.09	415.48	-411.27
		288	6.33	-17.54	-77.20	-77.09	-17.65	2.60	836.16	-394.43	-236.56	678.29	-411.53
246	1	288	8.76	-22.83	-100.34	-100.22	-22.95	3.06	1137.60	-626.77	-314.32	825.15	-673.54
		299	7.99	-29.19	-101.11	-100.98	-29.32	3.06	881.80	-741.89	-354.06	493.98	-692.32
		300	8.74	-26.87	-82.16	-81.99	-27.04	3.06	993.88	-901.76	-396.74	488.86	-838.03
		289	9.41	-20.52	-81.38	-81.23	-20.67	3.06	1240.24	-777.21	-356.99	820.03	-819.26
246	5	288	45.84	126.10	-68.26	-28.78	86.62	-78.20	-2152.18	-9648.64	-9171.41	-2629.41	-1830.25
		299	45.15	165.93	-55.49	-23.14	133.58	-78.20	-2357.63	-9550.80	-9182.94	-2725.49	-1584.54
		300	42.35	172.09	-35.06	0.60	136.43	-78.20	-2243.71	-9039.27	-8624.51	-2658.48	-1626.81
		289	43.12	133.58	-49.15	-5.04	89.47	-78.20	-2029.78	-9145.60	-8612.98	-2562.40	-1872.52
246	13	288	6.74	-17.56	-77.18	-77.09	-17.66	2.35	875.08	-482.13	-241.78	634.73	-518.11
		299	6.15	-22.45	-77.78	-77.68	-22.55	2.35	678.31	-570.68	-272.35	379.98	-532.55
		300	6.72	-20.67	-63.20	-63.07	-20.80	2.35	764.53	-693.66	-305.18	376.04	-644.64
		289	7.23	-15.78	-62.60	-62.48	-15.90	2.35	954.03	-597.85	-274.61	630.79	-630.20
246	15	288	6.74	-17.56	-77.18	-77.09	-17.66	2.35	875.08	-482.13	-241.78	634.73	-518.11
		299	6.15	-22.45	-77.78	-77.68	-22.55	2.35	678.31	-570.68	-272.35	379.98	-532.55
		300	6.72	-20.67	-63.20	-63.07	-20.80	2.35	764.53	-693.66	-305.18	376.04	-644.64
		289	7.23	-15.78	-62.60	-62.48	-15.90	2.35	954.03	-597.85	-274.61	630.79	-630.20
247	2	289	9.46	-4.88	-19.51	-15.26	-9.12	-6.64	1527.13	-570.26	245.58	711.28	-1022.52
		300	10.32	-9.44	-22.72	-16.10	-16.06	-6.64	1496.82	-843.11	213.10	440.61	-1164.42
		301	11.37	5.06	-16.14	2.72	-13.80	-6.64	1454.98	-1162.48	-109.41	401.91	-1283.52
		290	10.53	6.78	-10.09	3.55	-6.86	-6.64	1499.38	-903.72	-76.93	672.58	-1141.62
247	6	289	45.19	109.19	-84.91	-68.93	93.21	-53.36	639.06	-8063.20	-7894.12	469.98	-1201.16
		300	41.99	108.22	-85.12	-69.06	92.16	-53.36	-613.34	-8118.44	-8034.22	-697.56	-790.54
		301	37.26	124.82	-18.73	5.03	101.05	-53.36	-334.18	-7352.36	-7100.98	-585.57	-1304.25
		290	40.95	125.72	-18.45	5.16	102.10	-53.36	953.54	-7332.45	-6960.88	581.97	-1714.88
247	14	289	7.16	-8.00	-24.29	-22.95	-9.34	-4.49	1091.86	-507.38	79.65	504.83	-770.84
		300	7.64	-12.73	-25.43	-23.58	-14.59	-4.49	1046.15	-694.10	54.75	297.31	-861.63
		301	8.47	-3.90	-14.85	-6.24	-12.51	-4.49	1036.73	-915.77	-151.59	272.55	-952.94
		290	7.98	-1.88	-11.00	-5.61	-7.26	-4.49	1090.66	-737.28	-126.69	480.07	-862.15
247	16	289	7.13	-9.27	-28.36	-27.36	-10.26	-4.24	1059.67	-534.90	36.61	488.16	-764.65
		300	7.55	-14.17	-29.29	-27.99	-15.47	-4.24	1005.14	-712.49	11.74	280.91	-848.20
		301	8.37	-6.76	-16.02	-9.53	-13.25	-4.24	1004.37	-924.40	-178.16	258.13	-939.39
		290	7.94	-4.21	-12.74	-8.90	-8.05	-4.24	1066.07	-753.98	-153.29	465.37	-855.84
248	2	290	8.49	3.84	-23.14	1.84	-21.14	-7.06	331.81	-1421.50	-257.50	-832.20	-828.23
		301	9.09	3.32	-25.83	1.50	-24.00	-7.06	627.60	-1350.67	-218.22	-504.85	-978.70
		302	7.94	66.23	-16.91	65.62	-16.31	-7.06	281.66	-1387.73	-560.20	-545.88	-834.66
		291	7.47	66.59	-14.07	65.97	-13.45	-7.06	-38.60	-1434.11	-599.48	-873.23	-684.19
248	6	290	37.85	80.45	-51.75	-3.26	31.96	-63.71	5.29	-7378.32	-7067.39	-305.64	-1482.93
		301	37.04	90.84	-45.44	-1.47	46.87	-63.71	58.19	-7203.64	-7043.01	-102.45	-1068.05
		302	32.83	159.19	19.76	117.77	61.18	-63.71	163.61	-6252.98	-6100.08	10.71	-978.64
		291	33.38	153.75	8.50	115.98	46.27	-63.71	118.57	-6435.52	-6124.46	-192.49	-1393.53
248	14	290	6.48	-4.03	-21.58	-6.98	-18.64	-6.56	202.43	-1104.80	-261.23	-641.13	-625.40
		301	6.88	-4.63	-23.63	-7.26	-21.00	-6.56	420.47	-1048.71	-231.86	-396.38	-729.97
		302	6.01	43.80	-15.69	43.07	-14.96	-6.56	175.47	-1069.88	-469.51	-424.90	-622.27
		291	5.71	44.11	-13.35	43.35	-12.60	-6.56	-59.56	-1108.97	-498.88	-669.65	-517.71
248	16	290	6.47	-6.52	-23.33	-10.28	-19.57	-7.01	181.91	-1109.54	-286.11	-641.52	-620.79
		301	6.85	-7.25	-25.33	-10.58	-22.00	-7.01	396.15	-1052.77	-257.08	-399.54	-720.95
		302	5.98	41.01	-16.77	40.15	-15.91	-7.01	159.38	-1070.95	-484.71	-426.86	-614.48
		291	5.70	41.34	-14.38	40.44	-13.48	-7.01	-71.16	-1111.43	-513.75	-668.84	-514.32
249	1	293	6.10	11.48	-31.84	11.47	-31.83	0.69	-277.94	-1321.97	-999.24	-600.66	482.48
		304	5.37	12.38	-24.38	12.36	-24.37	0.69	-221.90	-1102.79	-969.76	-354.93	315.42
		303	7.71	-30.62	-40.24	-40.19	-30.67	0.69	-238.95	-1510.98	-1349.44	-400.49	423.54
		292	8.52	-37.98	-41.24	-41.08	-38.14	0.69	-317.58	-1707.57	-1378.93	-646.23	590.60
249	9	293	22.73	148.86	7.36	138.27	17.95	-37.23	872.43	-3302.32	-3029.40	599.52	1031.92
		304	22.66	137.52	-57.29	130.13	-49.90	-37.23	818.28	-3139.96	-3017.81	696.13	684.53
		303	22.73	10.61	-84.39	-7.39	-66.40	-37.23	718.19	-3924.13	-3807.33	601.39	727.04
		292	22.85	38.33	-36.13	0.75	1.44	-37.23	757.05	-4071.19	-3818.92	504.78	1074.43
249	13	293	4.70	8.83	-24.50	8.82	-24.49	0.53	-213.80	-1016.90	-768.65	-462.05	371.14
		304	4.13	9.52	-18.75	9.51	-18.74	0.53	-170.69	-848.30	-745.97	-273.03	242.63

		303	5.93	-23.56	-30.95	-30.91	-23.59	0.53	-183.81	-1162.29	-1038.03	-308.07	325.80
		292	6.56	-29.22	-31.72	-31.60	-29.34	0.53	-244.29	-1313.52	-1060.71	-497.10	454.31
249	15	293	4.70	8.83	-24.50	8.82	-24.49	0.53	-213.80	-1016.90	-768.65	-462.05	371.14
		304	4.13	9.52	-18.75	9.51	-18.74	0.53	-170.69	-848.30	-745.97	-273.03	242.63
		303	5.93	-23.56	-30.95	-30.91	-23.59	0.53	-183.81	-1162.29	-1038.03	-308.07	325.80
		292	6.56	-29.22	-31.72	-31.60	-29.34	0.53	-244.29	-1313.52	-1060.71	-497.10	454.31
250	1	292	10.25	-23.58	-39.95	-39.40	-24.13	2.94	478.68	-1677.39	-1290.38	91.67	827.44
		303	8.23	-30.47	-41.15	-40.27	-31.35	2.94	83.93	-1485.26	-1312.09	-89.25	491.69
		305	12.13	-35.73	-78.65	-78.45	-35.93	2.94	-95.05	-2160.91	-2075.15	-180.81	412.08
		294	13.54	-28.53	-77.76	-77.58	-28.71	2.94	243.57	-2296.91	-2053.44	0.10	747.83
250	9	292	29.79	95.93	-47.87	5.67	42.40	-69.52	3368.68	-3593.57	-3487.93	3263.04	851.10
		303	25.74	48.61	-95.49	-4.51	-42.38	-69.52	1949.76	-3676.68	-3648.86	1921.94	394.68
		305	30.44	-1.97	-147.40	-96.01	-53.36	-69.52	1803.34	-4692.06	-4686.18	1797.46	-195.41
		294	35.68	63.73	-118.15	-85.84	31.41	-69.52	3147.44	-4534.13	-4525.25	3138.56	261.01
250	13	292	7.88	-18.14	-30.73	-30.31	-18.56	2.26	368.22	-1290.30	-992.60	70.52	636.49
		303	6.33	-23.44	-31.65	-30.97	-24.11	2.26	64.56	-1142.51	-1009.30	-68.65	378.22
		305	9.33	-27.48	-60.50	-60.34	-27.64	2.26	-73.12	-1662.24	-1596.27	-139.09	316.99
		294	10.42	-21.95	-59.81	-59.68	-22.08	2.26	187.36	-1766.85	-1579.57	0.08	575.26
250	15	292	7.88	-18.14	-30.73	-30.31	-18.56	2.26	368.22	-1290.30	-992.60	70.52	636.49
		303	6.33	-23.44	-31.65	-30.97	-24.11	2.26	64.56	-1142.51	-1009.30	-68.65	378.22
		305	9.33	-27.48	-60.50	-60.34	-27.64	2.26	-73.12	-1662.24	-1596.27	-139.09	316.99
		294	10.42	-21.95	-59.81	-59.68	-22.08	2.26	187.36	-1766.85	-1579.57	0.08	575.26
251	1	294	13.56	-26.41	-77.38	-77.31	-26.48	1.81	451.37	-2175.22	-2018.14	294.29	622.82
		305	12.36	-42.92	-79.39	-79.29	-43.01	1.81	164.90	-2106.34	-2041.45	100.01	378.38
		306	15.28	-45.55	-101.00	-100.95	-45.61	1.81	65.57	-2629.21	-2596.99	33.34	292.90
		295	16.26	-29.03	-99.01	-98.96	-29.07	1.81	327.16	-2673.21	-2573.68	227.62	537.34
251	9	294	38.00	106.79	-151.52	-84.80	40.08	-113.06	3250.31	-4604.22	-4521.73	3167.83	-800.66
		305	33.48	58.08	-177.52	-92.80	-26.64	-113.06	2147.63	-4744.39	-4654.90	2058.14	-780.24
		306	35.35	51.87	-187.66	-107.40	-28.39	-113.06	2296.74	-4841.52	-4608.50	2063.71	-1268.51
		295	39.69	101.84	-162.92	-99.40	38.32	-113.06	3384.76	-4686.70	-4475.33	3173.40	-1288.92
251	13	294	10.43	-20.32	-59.52	-59.47	-20.37	1.39	347.21	-1673.24	-1552.41	226.38	479.09
		305	9.51	-33.01	-61.07	-61.00	-33.08	1.39	126.85	-1620.27	-1570.35	76.93	291.06
		306	11.76	-35.04	-77.70	-77.65	-35.08	1.39	50.44	-2022.47	-1997.69	25.65	225.31
		295	12.50	-22.33	-76.16	-76.12	-22.36	1.39	251.66	-2056.32	-1979.75	175.09	413.34
251	15	294	10.43	-20.32	-59.52	-59.47	-20.37	1.39	347.21	-1673.24	-1552.41	226.38	479.09
		305	9.51	-33.01	-61.07	-61.00	-33.08	1.39	126.85	-1620.27	-1570.35	76.93	291.06
		306	11.76	-35.04	-77.70	-77.65	-35.08	1.39	50.44	-2022.47	-1997.69	25.65	225.31
		295	12.50	-22.33	-76.16	-76.12	-22.36	1.39	251.66	-2056.32	-1979.75	175.09	413.34
252	1	295	15.98	-31.38	-99.25	-99.24	-31.39	0.79	323.62	-2617.99	-2568.14	273.77	379.67
		306	15.24	-52.97	-101.84	-101.83	-52.98	0.79	118.29	-2609.22	-2589.20	98.27	232.81
		307	16.99	-54.27	-112.70	-112.69	-54.28	0.79	66.32	-2931.09	-2922.99	58.22	155.59
		296	17.66	-32.69	-110.11	-110.10	-32.69	0.79	262.62	-2930.84	-2901.93	233.71	302.46
252	9	295	41.37	127.59	-194.43	-100.02	33.17	-146.59	2687.28	-5270.16	-4612.58	2029.69	-2190.95
		306	37.40	104.38	-207.05	-103.85	1.18	-146.59	1809.68	-5211.36	-4700.31	1298.63	-1823.99
		307	36.04	113.22	-192.50	-82.97	3.69	-146.59	2162.37	-4629.97	-3866.31	1398.71	-2145.66
		296	40.21	135.70	-179.16	-79.13	35.67	-146.59	3053.80	-4702.60	-3778.58	2129.77	-2512.62
252	13	295	12.29	-24.14	-76.34	-76.34	-24.15	0.61	248.93	-2013.84	-1975.49	210.59	292.06
		306	11.72	-40.74	-78.34	-78.33	-40.75	0.61	90.99	-2007.09	-1991.69	75.60	179.08
		307	13.07	-41.75	-86.69	-86.68	-41.76	0.61	51.01	-2254.68	-2248.45	44.78	119.69
		296	13.58	-25.14	-84.70	-84.69	-25.15	0.61	202.02	-2254.49	-2232.25	179.78	232.66
252	15	295	12.29	-24.14	-76.34	-76.34	-24.15	0.61	248.93	-2013.84	-1975.49	210.59	292.06
		306	11.72	-40.74	-78.34	-78.33	-40.75	0.61	90.99	-2007.09	-1991.69	75.60	179.08
		307	13.07	-41.75	-86.69	-86.68	-41.76	0.61	51.01	-2254.68	-2248.45	44.78	119.69
		296	13.58	-25.14	-84.70	-84.69	-25.15	0.61	202.02	-2254.49	-2232.25	179.78	232.66
253	1	296	17.47	-34.66	-110.33	-110.33	-34.66	0.21	230.66	-2910.13	-2903.13	223.66	148.10
		307	16.92	-58.51	-113.20	-113.20	-58.51	0.21	62.52	-2926.16	-2922.87	59.22	99.13
		308	17.51	-58.91	-116.52	-116.52	-58.91	0.21	46.10	-3034.39	-3034.15	45.87	26.78
		297	18.04	-35.06	-113.66	-113.66	-35.06	0.21	212.08	-3016.20	-3014.42	210.30	75.75
253	10	296	37.21	184.11	-154.92	-11.01	40.20	167.57	2298.66	-4423.54	-1454.12	-670.75	3338.20
		307	32.09	208.08	-137.38	-6.56	77.26	167.57	1717.69	-3778.17	-1447.22	-613.26	2716.11
		308	34.69	192.67	-161.66	-42.00	73.01	167.57	1109.73	-4753.71	-2861.06	-782.92	2741.41
		297	39.43	167.31	-177.81	-46.44	35.95	167.57	1658.77	-5367.14	-2867.96	-840.41	3363.50
253	13	296	13.44	-26.66	-84.87	-84.87	-26.66	0.16	177.43	-2238.56	-2233.18	172.05	113.92
		307	13.02	-45.01	-87.07	-87.07	-45.01	0.16	48.09	-2250.89	-2248.36	45.56	76.26
		308	13.47	-45.31	-89.63	-89.63	-45.31	0.16	35.46	-2334.14	-2333.96	35.28	20.60
		297	13.88	-26.97	-87.43	-87.43	-26.97	0.16	163.14	-2320.15	-2318.79	161.77	58.27
253	15	296	13.44	-26.66	-84.87	-84.87	-26.66	0.16	177.43	-2238.56	-2233.18	172.05	113.92
		307	13.02	-45.01	-87.07	-87.07	-45.01	0.16	48.09	-2250.89	-2248.36	45.56	76.26
		308	13.47	-45.31	-89.63	-89.63	-45.31	0.16	35.46	-2334.14	-2333.96	35.28	20.60
		297	13.88	-26.97	-87.43	-87.43	-26.97	0.16	163.14	-2320.15	-2318.79	161.77	58.27
254	1	297	18.04	-35.06	-113.66	-113.66	-35.06	-0.21	212.08	-3016.20	-3014.42	210.30	-75.75
		308	17.51	-58.91	-116.52	-116.52	-58.91	-0.21	46.10	-3034.39	-3034.15	45.87	-26.78
		309	16.92	-58.51	-113.20	-113.20	-58.51	-0.21	62.52	-2926.16	-2922.87	59.22	-99.13
		298	17.47	-34.66	-110.33	-110.33	-34.66	-0.21	230.66	-2910.13	-2903.13	223.66	-148.10
254	10	297	39.41	165.45	-174.38	-46.28	37.34	164.69	2685.37	-4598.86	-2675.65	762.16	3210.98
		308	34.75	167.64	-172.91	-45.88	40.62	164.69	1934.17	-4220.58	-2715.61	429.20	2645.34
		309	37.38	153.36	-195.74	-79.02	36.64	164.69	1425.56	-5151.79	-4001.16	274.93	2498.83

		298	41.67	151.05	-197.10	-79.41	33.36	164.69	2145.67	-5498.98	-3961.20	607.89	3064.48
254	13	297	13.88	-26.97	-87.43	-87.43	-26.97	-0.16	163.14	-2320.15	-2318.79	161.77	-58.27
		308	13.47	-45.31	-89.63	-89.63	-45.31	-0.16	35.46	-2334.14	-2333.96	35.28	-20.60
		309	13.02	-45.01	-87.07	-87.07	-45.01	-0.16	48.09	-2250.89	-2248.36	45.56	-76.26
		298	13.44	-26.66	-84.87	-84.87	-26.66	-0.16	177.43	-2238.56	-2233.18	172.05	-113.92
254	15	297	13.88	-26.97	-87.43	-87.43	-26.97	-0.16	163.14	-2320.15	-2318.79	161.77	-58.27
		308	13.47	-45.31	-89.63	-89.63	-45.31	-0.16	35.46	-2334.14	-2333.96	35.28	-20.60
		309	13.02	-45.01	-87.07	-87.07	-45.01	-0.16	48.09	-2250.89	-2248.36	45.56	-76.26
		298	13.44	-26.66	-84.87	-84.87	-26.66	-0.16	177.43	-2238.56	-2233.18	172.05	-113.92
255	1	298	17.66	-32.69	-110.11	-110.10	-32.69	-0.79	262.62	-2930.84	-2901.93	233.71	-302.46
		309	16.99	-54.27	-112.70	-112.69	-54.28	-0.79	66.32	-2931.09	-2922.99	58.22	-155.59
		310	15.24	-52.97	-101.84	-101.83	-52.98	-0.79	118.29	-2609.22	-2589.20	98.27	-232.81
		299	15.98	-31.38	-99.25	-99.24	-31.39	-0.79	323.62	-2617.99	-2568.14	273.77	-379.67
255	10	298	40.21	135.70	-179.16	-79.13	35.67	146.59	3053.80	-4702.60	-3778.58	2129.77	2512.62
		309	36.04	113.22	-192.50	-82.97	3.69	146.59	2162.37	-4629.97	-3866.31	1398.71	2145.66
		310	37.40	104.38	-207.05	-103.85	1.18	146.59	1809.68	-5211.36	-4700.31	1298.63	1823.99
		299	41.37	127.59	-194.43	-100.02	33.17	146.59	2687.28	-5270.16	-4612.58	2029.69	2190.95
255	13	298	13.58	-25.14	-84.70	-84.69	-25.15	-0.61	202.02	-2254.49	-2232.25	179.78	-232.66
		309	13.07	-41.75	-86.69	-86.68	-41.76	-0.61	51.01	-2254.68	-2248.45	44.78	-119.69
		310	11.72	-40.74	-78.34	-78.33	-40.75	-0.61	90.99	-2007.09	-1991.69	75.60	-179.08
		299	12.29	-24.14	-76.34	-76.34	-24.15	-0.61	248.93	-2013.84	-1975.49	210.59	-292.06
255	15	298	13.58	-25.14	-84.70	-84.69	-25.15	-0.61	202.02	-2254.49	-2232.25	179.78	-232.66
		309	13.07	-41.75	-86.69	-86.68	-41.76	-0.61	51.01	-2254.68	-2248.45	44.78	-119.69
		310	11.72	-40.74	-78.34	-78.33	-40.75	-0.61	90.99	-2007.09	-1991.69	75.60	-179.08
		299	12.29	-24.14	-76.34	-76.34	-24.15	-0.61	248.93	-2013.84	-1975.49	210.59	-292.06
256	1	299	16.26	-29.03	-99.01	-98.96	-29.07	-1.81	327.16	-2673.21	-2573.68	227.62	-537.34
		310	15.28	-45.55	-101.00	-100.95	-45.61	-1.81	65.57	-2629.21	-2596.99	33.34	-292.90
		311	12.36	-42.92	-79.39	-79.29	-43.01	-1.81	164.90	-2106.34	-2041.45	100.01	-378.38
		300	13.56	-26.41	-77.38	-77.31	-26.48	-1.81	451.37	-2175.22	-2018.14	294.29	-622.82
256	10	299	39.69	101.84	-162.92	-99.40	38.32	113.06	3384.76	-4686.70	-4475.33	3173.40	1288.92
		310	35.35	51.87	-187.66	-107.40	-28.39	113.06	2296.74	-4841.52	-4608.50	2063.71	1268.51
		311	33.48	58.08	-177.52	-92.80	-26.64	113.06	2147.63	-4744.39	-4654.90	2058.14	780.24
		300	38.00	106.79	-151.52	-84.80	40.08	113.06	3250.31	-4604.22	-4521.73	3167.83	800.66
256	13	299	12.50	-22.33	-76.16	-76.12	-22.36	-1.39	251.66	-2056.32	-1979.75	175.09	-413.34
		310	11.76	-35.04	-77.70	-77.65	-35.08	-1.39	50.44	-2022.47	-1997.69	25.65	-225.31
		311	9.51	-33.01	-61.07	-61.00	-33.08	-1.39	126.85	-1620.27	-1570.35	76.93	-291.06
		300	10.43	-20.32	-59.52	-59.47	-20.37	-1.39	347.21	-1673.24	-1552.41	226.38	-479.09
256	15	299	12.50	-22.33	-76.16	-76.12	-22.36	-1.39	251.66	-2056.32	-1979.75	175.09	-413.34
		310	11.76	-35.04	-77.70	-77.65	-35.08	-1.39	50.44	-2022.47	-1997.69	25.65	-225.31
		311	9.51	-33.01	-61.07	-61.00	-33.08	-1.39	126.85	-1620.27	-1570.35	76.93	-291.06
		300	10.43	-20.32	-59.52	-59.47	-20.37	-1.39	347.21	-1673.24	-1552.41	226.38	-479.09
257	1	300	13.54	-28.53	-77.76	-77.58	-28.71	-2.94	243.57	-2296.91	-2053.44	0.10	-747.83
		311	12.13	-35.73	-78.65	-78.45	-35.93	-2.94	-95.05	-2160.91	-2075.15	-180.81	-412.08
		312	8.23	-30.47	-41.15	-40.27	-31.35	-2.94	83.93	-1485.26	-1312.09	-89.25	-491.69
		301	10.25	-23.58	-39.95	-39.40	-24.13	-2.94	478.68	-1677.39	-1290.38	91.67	-827.44
257	10	300	35.68	63.73	-118.15	-85.84	31.41	69.52	3147.44	-4534.13	-4525.25	3138.56	-261.01
		311	30.44	-1.97	-147.40	-96.01	-53.36	69.52	1803.34	-4692.06	-4686.18	1797.46	195.41
		312	25.74	48.61	-95.49	-4.51	-42.38	69.52	1949.76	-3676.68	-3648.86	1921.94	-394.68
		301	29.79	95.93	-47.87	5.67	42.40	69.52	3368.68	-3593.57	-3487.93	3263.04	-851.10
257	13	300	10.42	-21.95	-59.81	-59.68	-22.08	-2.26	187.36	-1766.85	-1579.57	0.08	-575.26
		311	9.33	-27.48	-60.50	-60.34	-27.64	-2.26	-73.12	-1662.24	-1596.27	-139.09	-316.99
		312	6.33	-23.44	-31.65	-30.97	-24.11	-2.26	64.56	-1142.51	-1009.30	-68.65	-378.22
		301	7.88	-18.14	-30.73	-30.31	-18.56	-2.26	368.22	-1290.30	-992.60	70.52	-636.49
257	15	300	10.42	-21.95	-59.81	-59.68	-22.08	-2.26	187.36	-1766.85	-1579.57	0.08	-575.26
		311	9.33	-27.48	-60.50	-60.34	-27.64	-2.26	-73.12	-1662.24	-1596.27	-139.09	-316.99
		312	6.33	-23.44	-31.65	-30.97	-24.11	-2.26	64.56	-1142.51	-1009.30	-68.65	-378.22
		301	7.88	-18.14	-30.73	-30.31	-18.56	-2.26	368.22	-1290.30	-992.60	70.52	-636.49
258	1	301	8.52	-37.98	-41.24	-41.08	-38.14	-0.69	-317.58	-1707.57	-1378.93	-646.23	-590.60
		312	7.71	-30.62	-40.24	-40.19	-30.67	-0.69	-238.95	-1510.98	-1349.44	-400.49	-423.54
		313	5.37	12.38	-24.38	12.36	-24.37	-0.69	-221.90	-1102.79	-969.76	-354.93	-315.42
		302	6.10	11.48	-31.84	11.47	-31.83	-0.69	-277.94	-1321.97	-999.24	-600.66	-482.48
258	10	301	22.85	38.33	-36.13	0.75	1.44	37.23	757.05	-4071.19	-3818.92	504.78	-1074.43
		312	22.73	10.61	-84.39	-7.39	-66.40	37.23	718.19	-3924.13	-3807.33	601.39	-727.04
		313	22.66	137.52	-57.29	130.13	-49.90	37.23	818.28	-3139.96	-3017.81	696.13	-684.53
		302	22.73	148.86	7.36	138.27	17.95	37.23	872.43	-3302.32	-3029.40	599.52	-1031.92
258	13	301	6.56	-29.22	-31.72	-31.60	-29.34	-0.53	-244.29	-1313.52	-1060.71	-497.10	-454.31
		312	5.93	-23.56	-30.95	-30.91	-23.59	-0.53	-183.81	-1162.29	-1038.03	-308.07	-325.80
		313	4.13	9.52	-18.75	9.51	-18.74	-0.53	-170.69	-848.30	-745.97	-273.03	-242.63
		302	4.70	8.83	-24.50	8.82	-24.49	-0.53	-213.80	-1016.90	-768.65	-462.05	-371.14
258	15	301	6.56	-29.22	-31.72	-31.60	-29.34	-0.53	-244.29	-1313.52	-1060.71	-497.10	-454.31
		312	5.93	-23.56	-30.95	-30.91	-23.59	-0.53	-183.81	-1162.29	-1038.03	-308.07	-325.80
		313	4.13	9.52	-18.75	9.51	-18.74	-0.53	-170.69	-848.30	-745.97	-273.03	-242.63
		302	4.70	8.83	-24.50	8.82	-24.49	-0.53	-213.80	-1016.90	-768.65	-462.05	-371.14
259	2	314	6.49	78.95	-35.35	-18.03	61.63	40.98	337.45	-646.09	335.23	-643.86	46.68
		315	8.66	-22.60	-137.28	-39.83	-120.05	40.98	294.02	-987.34	294.02	-987.34	-2.74
		197	8.61	25.63	-125.70	13.58	-113.64	40.98	147.49	-1099.94	62.65	-1015.10	-314.06
		194	6.58	95.82	7.59	35.38	68.04	40.98	185.57	-753.33	103.87	-671.63	-264.65

259	9	314	10.27	24.89	-193.98	-128.40	-40.69	100.27	-615.12	-1649.37	-860.14	-1404.35	-439.75
		315	26.46	-189.91	-732.54	-209.12	-713.33	100.27	-793.94	-2109.72	-928.62	-1975.03	-398.84
		197	28.24	71.80	-694.57	58.45	-681.22	100.27	-245.36	-2443.79	-737.10	-1952.05	-916.11
		194	14.80	189.84	-59.25	139.17	-8.58	100.27	-3.78	-2046.21	-668.62	-1381.37	-957.02
259	14	314	4.36	48.25	-28.43	-19.62	39.44	24.45	136.31	-480.40	135.93	-480.01	15.37
		315	5.96	-25.01	-96.24	-34.74	-86.51	24.45	105.56	-733.23	105.55	-733.22	-3.20
		197	6.20	15.35	-87.44	9.16	-81.25	24.45	84.00	-809.09	18.57	-743.66	-232.71
		194	4.61	60.99	7.99	24.28	44.70	24.45	123.63	-565.12	48.96	-490.45	-214.13
259	16	314	4.12	43.48	-29.07	-21.89	36.30	21.67	87.99	-474.09	87.89	-474.00	7.29
		315	5.70	-28.00	-92.57	-36.35	-84.22	21.67	58.04	-722.89	58.03	-722.87	-3.63
		197	6.03	13.73	-83.89	8.66	-78.81	21.67	72.45	-794.56	6.90	-729.01	-229.21
		194	4.43	55.98	8.84	23.12	41.70	21.67	116.62	-559.98	36.77	-480.13	-218.29
260	2	316	4.94	91.46	-21.06	23.26	47.14	-54.98	381.33	-236.43	346.38	-201.49	142.71
		317	8.10	5.08	-231.11	-8.50	-217.53	-54.98	387.84	-228.87	347.89	-188.92	151.79
		315	7.60	-35.98	-238.95	-52.16	-222.77	-54.98	433.57	-226.95	390.44	-183.82	163.18
		314	5.70	73.94	-52.44	-20.40	41.90	-54.98	427.02	-234.47	388.93	-196.38	154.10
260	9	316	11.07	139.81	-241.43	-31.17	-70.45	-189.61	-795.75	-853.58	-841.88	-807.45	-23.23
		317	34.66	-122.82	-1166.96	-158.47	-1131.31	-189.61	-853.51	-923.19	-855.52	-921.18	-11.67
		315	34.56	-221.75	-1182.58	-260.75	-1143.58	-189.61	-730.06	-985.99	-801.38	-914.68	-114.74
		314	12.63	83.21	-299.38	-133.45	-82.73	-189.61	-667.87	-920.83	-787.73	-800.96	-126.31
260	13	316	4.67	14.79	-71.27	-24.21	-32.26	-42.84	-279.27	-903.42	-895.82	-286.87	68.45
		317	5.97	-17.60	-140.14	-35.06	-122.67	-42.84	-287.27	-969.97	-903.81	-353.43	201.97
		315	4.41	-35.86	-145.77	-56.40	-125.23	-42.84	-136.92	-420.20	-278.71	-278.42	141.64
		314	3.15	2.99	-83.36	-45.55	-34.82	-42.84	-210.76	-271.82	-270.72	-211.85	8.12
260	15	316	4.67	14.79	-71.27	-24.21	-32.26	-42.84	-279.27	-903.42	-895.82	-286.87	68.45
		317	5.97	-17.60	-140.14	-35.06	-122.67	-42.84	-287.27	-969.97	-903.81	-353.43	201.97
		315	4.41	-35.86	-145.77	-56.40	-125.23	-42.84	-136.92	-420.20	-278.71	-278.42	141.64
		314	3.15	2.99	-83.36	-45.55	-34.82	-42.84	-210.76	-271.82	-270.72	-211.85	8.12
261	1	318	9.98	-68.76	-119.29	-70.20	-117.86	-8.39	-146.94	-1915.78	-1911.89	-150.82	82.81
		319	10.16	-68.55	-117.90	-70.02	-116.43	-8.39	-7.15	-1931.82	-1898.64	-40.34	250.54
		317	7.57	-39.03	-113.78	-39.98	-112.82	-8.39	151.15	-1210.61	-1113.35	53.89	350.68
		316	6.70	-39.22	-115.19	-40.16	-114.25	-8.39	-26.17	-1157.03	-1126.61	-56.59	182.95
261	9	318	21.58	259.42	-484.15	134.80	-359.52	-277.73	389.50	-329.30	-113.63	173.83	329.41
		319	28.48	174.66	-819.28	89.81	-734.43	-277.73	346.92	-189.53	-103.21	260.60	197.11
		317	27.85	-10.68	-861.95	-113.78	-758.86	-277.73	263.40	-799.76	-722.63	186.27	275.77
		316	21.18	92.95	-545.69	-68.79	-383.95	-277.73	266.15	-899.70	-733.04	99.50	408.07
261	13	318	7.67	-52.89	-91.76	-54.00	-90.66	-6.46	-113.03	-1473.68	-1470.69	-116.02	63.70
		319	7.81	-52.73	-90.69	-53.86	-89.56	-6.46	-5.50	-1486.02	-1460.49	-31.03	192.72
		317	5.82	-30.02	-87.52	-30.76	-86.79	-6.46	116.27	-931.24	-856.43	41.46	269.76
		316	5.16	-30.17	-88.61	-30.89	-87.89	-6.46	-20.13	-890.02	-866.62	-43.53	140.73
261	15	318	7.67	-52.89	-91.76	-54.00	-90.66	-6.46	-113.03	-1473.68	-1470.69	-116.02	63.70
		319	7.81	-52.73	-90.69	-53.86	-89.56	-6.46	-5.50	-1486.02	-1460.49	-31.03	192.72
		317	5.82	-30.02	-87.52	-30.76	-86.79	-6.46	116.27	-931.24	-856.43	41.46	269.76
		316	5.16	-30.17	-88.61	-30.89	-87.89	-6.46	-20.13	-890.02	-866.62	-43.53	140.73
262	1	320	10.93	-73.36	-126.74	-84.84	-115.26	21.93	-87.04	-1994.22	-1992.17	-89.08	62.40
		321	11.10	-59.20	-103.06	-80.79	-81.47	21.93	-76.01	-1994.48	-1991.02	-79.47	81.41
		319	10.31	-49.60	-95.66	-65.61	-79.65	21.93	-64.37	-1906.47	-1902.05	-68.79	90.12
		318	10.15	-60.57	-122.54	-69.67	-113.44	21.93	-75.64	-1905.97	-1903.20	-78.41	71.12
262	9	320	18.49	64.34	-543.63	48.02	-527.31	-98.26	672.97	236.84	404.25	505.56	212.10
		321	17.08	69.90	-506.26	52.62	-488.98	-98.26	552.75	323.24	400.62	475.37	108.50
		319	18.85	135.89	-496.52	120.24	-480.87	-98.26	429.96	-97.22	-84.43	417.16	81.13
		318	20.20	130.50	-534.06	115.64	-519.20	-98.26	505.56	-139.00	-80.80	447.36	184.73
262	13	320	8.41	-56.43	-97.49	-65.26	-88.66	16.87	-66.95	-1534.01	-1532.44	-68.53	48.00
		321	8.54	-45.54	-79.28	-62.14	-62.67	16.87	-58.47	-1534.22	-1531.55	-61.13	62.62
		319	7.93	-38.16	-73.58	-50.47	-61.27	16.87	-49.52	-1466.52	-1463.12	-52.92	69.32
		318	7.81	-46.59	-94.26	-53.59	-87.26	16.87	-58.18	-1466.13	-1464.00	-60.31	54.71
262	15	320	8.41	-56.43	-97.49	-65.26	-88.66	16.87	-66.95	-1534.01	-1532.44	-68.53	48.00
		321	8.54	-45.54	-79.28	-62.14	-62.67	16.87	-58.47	-1534.22	-1531.55	-61.13	62.62
		319	7.93	-38.16	-73.58	-50.47	-61.27	16.87	-49.52	-1466.52	-1463.12	-52.92	69.32
		318	7.81	-46.59	-94.26	-53.59	-87.26	16.87	-58.18	-1466.13	-1464.00	-60.31	54.71
263	1	322	10.00	-58.36	-100.76	-72.07	-87.05	19.83	-151.56	-1856.82	-1856.67	-151.71	16.05
		323	10.10	-48.30	-88.07	-69.63	-66.74	19.83	-108.32	-1851.61	-1851.48	-108.45	-14.94
		321	11.05	-52.90	-94.14	-79.16	-67.88	19.83	-125.55	-1996.90	-1996.59	-125.86	24.27
		320	10.95	-64.79	-105.00	-81.59	-88.19	19.83	-167.46	-2003.44	-2001.78	-169.13	55.27
263	9	322	13.90	-0.81	-457.50	-1.01	-457.30	9.55	464.05	344.56	440.91	367.71	47.22
		323	11.08	11.98	-351.40	11.73	-351.15	9.55	457.96	361.79	442.11	377.65	35.69
		321	11.70	70.22	-344.37	70.00	-344.15	9.55	425.15	334.15	388.12	371.17	44.70
		320	14.51	57.44	-450.49	57.26	-450.31	9.55	431.76	316.39	386.93	361.23	56.23
263	13	322	7.69	-44.89	-77.51	-55.44	-66.96	15.26	-116.59	-1428.33	-1428.21	-116.70	12.35
		323	7.77	-37.15	-67.75	-53.56	-51.34	15.26	-83.32	-1424.31	-1424.22	-83.42	-11.49
		321	8.50	-40.69	-72.41	-60.89	-52.21	15.26	-96.58	-1536.08	-1535.84	-96.82	18.67
		320	8.43	-49.84	-80.77	-62.77	-67.84	15.26	-128.82	-1541.11	-1539.83	-130.10	42.51
263	15	322	7.69	-44.89	-77.51	-55.44	-66.96	15.26	-116.59	-1428.33	-1428.21	-116.70	12.35
		323	7.77	-37.15	-67.75	-53.56	-51.34	15.26	-83.32	-1424.31	-1424.22	-83.42	-11.49
		321	8.50	-40.69	-72.41	-60.89	-52.21	15.26	-96.58	-1536.08	-1535.84	-96.82	18.67
		320	8.43	-49.84	-80.77	-62.77	-67.84	15.26	-128.82	-1541.11	-1539.83	-130.10	42.51
264	1	324	8.17	-47.07	-74.48	-55.76	-65.79	12.76	-148.19	-1538.04	-1538.03	-148.20	3.14

		325	8.18	-43.17	-68.80	-54.73	-57.24	12.76	-134.10	-1539.80	-1536.71	-137.18	-65.82
		323	10.04	-50.15	-77.47	-68.70	-58.92	12.76	-174.08	-1861.43	-1859.58	-175.93	-55.83
		322	10.02	-55.78	-81.40	-69.72	-67.46	12.76	-186.84	-1861.00	-1860.90	-186.95	13.13
264	8	324	9.64	142.74	-57.44	-52.02	137.33	-32.47	-266.90	-1302.50	-1300.66	-268.73	-43.61
		325	9.66	141.78	-57.58	-52.14	136.34	-32.47	-264.03	-1304.04	-1300.52	-267.54	-60.38
		323	10.59	138.37	-81.14	-76.22	133.45	-32.47	-273.79	-1382.23	-1379.05	-276.97	-59.31
		322	10.58	139.33	-81.00	-76.10	134.44	-32.47	-276.52	-1380.83	-1379.19	-278.16	-42.53
264	13	324	6.28	-36.20	-57.29	-42.89	-50.60	9.81	-114.00	-1183.10	-1183.10	-114.00	2.42
		325	6.30	-33.21	-52.93	-42.10	-44.03	9.81	-103.15	-1184.46	-1182.08	-105.53	-50.63
		323	7.73	-38.57	-59.59	-52.84	-45.32	9.81	-133.91	-1431.87	-1430.44	-135.33	-42.95
		322	7.71	-42.91	-62.61	-53.63	-51.89	9.81	-143.73	-1431.54	-1431.46	-143.80	10.10
264	15	324	6.28	-36.20	-57.29	-42.89	-50.60	9.81	-114.00	-1183.10	-1183.10	-114.00	2.42
		325	6.30	-33.21	-52.93	-42.10	-44.03	9.81	-103.15	-1184.46	-1182.08	-105.53	-50.63
		323	7.73	-38.57	-59.59	-52.84	-45.32	9.81	-133.91	-1431.87	-1430.44	-135.33	-42.95
		322	7.71	-42.91	-62.61	-53.63	-51.89	9.81	-143.73	-1431.54	-1431.46	-143.80	10.10
265	1	326	6.08	-36.32	-55.53	-40.13	-51.72	7.66	-125.94	-1164.19	-1164.04	-126.08	-12.17
		327	6.11	-35.34	-53.05	-39.76	-48.63	7.66	-110.69	-1171.33	-1163.18	-118.84	-92.65
		325	8.20	-44.25	-59.98	-53.90	-50.33	7.66	-158.69	-1545.30	-1539.93	-164.05	-86.08
		324	8.18	-46.17	-61.52	-54.27	-53.42	7.66	-171.27	-1540.82	-1540.80	-171.29	-5.61
265	8	326	7.83	113.81	-49.55	-37.92	102.17	-42.02	-192.32	-1082.56	-1082.45	-192.43	9.76
		327	7.76	102.92	-51.73	-39.32	90.50	-42.02	-192.55	-1084.06	-1082.64	-193.97	-35.54
		325	9.13	99.49	-69.13	-57.91	88.27	-42.02	-218.16	-1296.01	-1294.75	-219.43	-36.94
		324	9.21	110.51	-67.08	-56.51	99.94	-42.02	-217.82	-1294.62	-1294.56	-217.88	8.36
265	13	326	4.68	-27.94	-42.72	-30.87	-39.79	5.89	-96.88	-895.53	-895.42	-96.99	-9.37
		327	4.70	-27.19	-40.81	-30.58	-37.41	5.89	-85.14	-901.02	-894.75	-91.42	-71.27
		325	6.31	-34.04	-46.14	-41.46	-38.72	5.89	-122.07	-1188.69	-1184.56	-126.20	-66.22
		324	6.29	-35.52	-47.32	-41.75	-41.09	5.89	-131.75	-1185.25	-1185.23	-131.77	-4.32
265	15	326	4.68	-27.94	-42.72	-30.87	-39.79	5.89	-96.88	-895.53	-895.42	-96.99	-9.37
		327	4.70	-27.19	-40.81	-30.58	-37.41	5.89	-85.14	-901.02	-894.75	-91.42	-71.27
		325	6.31	-34.04	-46.14	-41.46	-38.72	5.89	-122.07	-1188.69	-1184.56	-126.20	-66.22
		324	6.29	-35.52	-47.32	-41.75	-41.09	5.89	-131.75	-1185.25	-1185.23	-131.77	-4.32
266	4	328	6.54	36.66	-37.90	34.55	-35.79	12.36	1078.16	108.29	1077.54	108.91	-24.59
		329	6.49	37.40	-32.99	35.16	-30.75	12.36	1077.46	103.96	1077.00	104.43	-21.28
		327	6.55	37.33	-33.00	35.09	-30.76	12.36	1093.11	105.63	1092.46	106.29	-25.35
		326	6.60	36.59	-37.91	34.48	-35.80	12.36	1093.83	109.93	1093.00	110.77	-28.65
266	8	328	5.78	79.83	-43.40	-29.02	65.44	-39.57	-120.22	-813.29	-811.13	-122.38	38.60
		329	5.82	72.90	-45.17	-29.95	57.67	-39.57	-123.75	-811.84	-811.35	-124.24	-18.38
		327	7.30	69.87	-57.27	-43.45	56.05	-39.57	-155.82	-1078.55	-1078.11	-156.26	-20.07
		326	7.28	76.93	-55.63	-42.52	63.82	-39.57	-152.92	-1079.36	-1077.89	-154.39	36.90
266	13	328	3.09	-18.75	-32.79	-19.66	-31.88	3.46	-71.43	-604.88	-604.42	-71.89	-15.65
		329	3.13	-18.74	-32.71	-19.65	-31.80	3.46	-61.14	-615.69	-604.48	-72.36	-78.06
		327	4.72	-27.79	-35.32	-30.06	-33.04	3.46	-99.69	-904.40	-896.67	-107.42	-78.48
		326	4.69	-27.82	-35.38	-30.07	-33.13	3.46	-106.63	-896.94	-896.61	-106.95	-16.07
266	15	328	3.09	-18.75	-32.79	-19.66	-31.88	3.46	-71.43	-604.88	-604.42	-71.89	-15.65
		329	3.13	-18.74	-32.71	-19.65	-31.80	3.46	-61.14	-615.69	-604.48	-72.36	-78.06
		327	4.72	-27.79	-35.32	-30.06	-33.04	3.46	-99.69	-904.40	-896.67	-107.42	-78.48
		326	4.69	-27.82	-35.38	-30.07	-33.13	3.46	-106.63	-896.94	-896.61	-106.95	-16.07
267	4	330	6.24	36.34	-27.55	35.29	-26.51	8.10	1037.77	101.16	1037.72	101.21	-7.15
		331	6.24	36.48	-26.52	35.42	-25.46	8.10	1036.76	93.17	1036.75	93.17	1.28
		329	6.43	36.85	-26.46	35.80	-25.41	8.10	1076.25	97.87	1076.22	97.91	-6.01
		328	6.42	36.71	-27.50	35.67	-26.46	8.10	1077.39	105.74	1077.18	105.95	-14.43
267	5	330	6.19	34.01	-109.46	19.95	-95.39	42.67	748.88	69.52	748.88	69.53	1.89
		331	6.05	35.35	-103.65	20.71	-89.01	42.67	748.30	62.33	748.04	62.59	-13.24
		329	5.73	34.19	-103.92	19.43	-89.16	42.67	677.81	53.47	677.20	54.08	-19.53
		328	5.87	32.85	-109.72	18.67	-95.54	42.67	678.06	61.00	678.03	61.03	-4.40
267	14	330	3.18	18.04	-26.70	17.30	-25.96	5.71	484.01	39.49	483.74	39.76	-10.98
		331	3.19	18.04	-26.69	17.30	-25.95	5.71	484.66	31.25	482.92	32.99	-28.01
		329	2.74	14.60	-27.16	13.81	-26.37	5.71	406.22	20.37	403.17	23.42	-34.16
		328	2.73	14.60	-27.17	13.81	-26.38	5.71	404.77	29.41	403.99	30.19	-17.12
267	15	330	1.72	-9.41	-25.42	-9.69	-25.14	2.11	-51.47	-348.18	-347.23	-52.41	-16.73
		331	1.86	-9.62	-26.96	-9.88	-26.69	2.11	-40.45	-364.67	-347.82	-57.29	-71.96
		329	3.14	-18.69	-28.30	-19.18	-27.81	2.11	-77.30	-617.42	-606.39	-88.32	-76.38
		328	3.10	-18.42	-26.82	-18.99	-26.25	2.11	-82.59	-606.66	-605.81	-83.44	-21.15
268	4	332	5.64	33.84	-20.36	33.38	-19.90	4.96	936.64	81.52	936.52	81.64	9.92
		333	5.69	33.65	-21.81	33.20	-21.36	4.96	936.18	68.20	935.05	69.33	31.34
		331	6.22	36.38	-21.46	35.95	-21.03	4.96	1035.76	80.94	1035.34	81.37	20.19
		330	6.17	36.56	-20.01	36.13	-19.57	4.96	1036.82	93.67	1036.81	93.67	-1.23
268	5	332	5.70	35.32	-75.62	23.92	-64.23	33.68	768.61	56.78	768.07	57.32	19.65
		333	5.71	35.41	-75.19	23.98	-63.76	33.68	767.00	45.42	766.68	45.74	15.18
		331	5.59	35.20	-75.24	23.74	-63.78	33.68	745.75	43.20	745.72	43.23	4.69
		330	5.58	35.10	-75.67	23.68	-64.26	33.68	747.23	54.68	747.11	54.80	9.16
268	14	332	3.22	19.43	-19.91	19.13	-19.61	3.44	499.28	31.70	499.27	31.70	1.61
		333	3.27	19.17	-21.96	18.88	-21.66	3.44	497.88	20.04	497.87	20.05	-1.96
		331	3.17	18.10	-22.09	17.80	-21.79	3.44	481.47	17.70	481.13	18.04	-12.53
		330	3.11	18.36	-20.05	18.05	-19.74	3.44	482.71	29.52	482.53	29.69	-8.95
268	16	332	2.82	17.03	-19.84	16.76	-19.56	3.19	426.40	23.38	426.40	23.38	0.23
		333	2.88	16.76	-21.98	16.50	-21.72	3.19	425.15	11.70	425.01	11.83	-7.51

		331	2.67	15.05	-22.20	14.77	-21.92	3.19	389.61	6.64	388.76	7.48	-17.98
		330	2.61	15.32	-20.06	15.03	-19.77	3.19	390.43	18.75	390.15	19.03	-10.24
269	4	398	7.64	120.83	-110.10	67.82	-57.09	-97.11	570.47	165.08	518.23	217.32	-135.82
		409	7.64	120.83	-110.10	67.82	-57.09	-97.11	570.47	165.08	518.23	217.32	-135.82
		191	7.64	120.83	-110.10	67.82	-57.09	-97.11	570.47	165.08	518.23	217.32	-135.82
269	7	398	28.71	43.10	-969.41	-729.24	-197.07	-430.69	118.94	-569.18	-494.05	43.81	214.60
		409	28.71	43.10	-969.41	-729.24	-197.07	-430.69	118.94	-569.18	-494.05	43.81	214.60
		191	28.71	43.10	-969.41	-729.24	-197.07	-430.69	118.94	-569.18	-494.05	43.81	214.60
269	13	398	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	140.31	-719.05	-574.27	-4.48	321.65
		409	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	140.31	-719.05	-574.27	-4.48	321.65
		191	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	140.31	-719.05	-574.27	-4.48	321.65
269	15	398	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	140.31	-719.05	-574.27	-4.48	321.65
		409	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	140.31	-719.05	-574.27	-4.48	321.65
		191	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	140.31	-719.05	-574.27	-4.48	321.65
270	2	191	6.77	77.81	-184.81	-10.85	-96.15	124.19	238.65	179.65	215.60	202.70	28.79
		409	6.39	87.12	-161.27	-35.42	-38.73	124.19	198.07	171.63	195.95	173.75	7.19
		408	7.49	88.66	-192.86	-118.37	14.16	124.19	167.93	118.13	145.99	140.07	-24.72
		189	7.96	13.39	-258.56	-177.95	-67.22	124.19	173.48	120.62	123.98	170.13	-12.89
270	11	191	33.98	128.92	-1074.50	-119.14	-826.43	486.82	351.60	-636.24	132.40	-417.03	-410.47
		409	29.46	166.99	-840.81	-206.82	-467.00	486.82	368.51	-580.41	117.57	-329.47	-418.51
		408	31.09	200.21	-858.27	-536.65	-121.41	486.82	328.75	-516.69	55.92	-243.85	-395.25
		189	33.72	-208.82	-1201.60	-802.23	-608.19	486.82	202.35	-560.72	1.83	-360.20	-335.86
270	14	191	5.26	44.42	-132.55	-11.92	-76.21	82.44	143.23	-61.19	78.11	3.94	-95.24
		409	5.00	49.85	-115.42	-27.12	-38.44	82.44	142.43	-58.76	80.64	3.03	-92.81
		408	5.52	49.48	-131.86	-78.94	-3.44	82.44	145.64	-54.89	88.09	2.66	-90.71
		189	5.88	1.10	-174.33	-116.58	-56.64	82.44	152.69	-55.49	92.52	4.68	-94.37
270	16	191	5.31	38.38	-128.81	-13.33	-77.10	77.28	143.78	-156.17	43.54	-55.93	-141.49
		409	5.04	43.17	-112.10	-27.08	-41.85	77.28	143.29	-138.69	53.03	-48.43	-131.55
		408	5.43	42.23	-125.48	-74.18	-9.08	77.28	152.53	-112.72	78.55	-38.74	-118.95
		189	5.80	-2.36	-164.81	-108.59	-58.59	77.28	167.91	-121.54	91.40	-45.03	-127.64
271	2	189	10.91	65.06	-321.79	-238.97	-17.75	-158.68	176.36	-68.87	-65.78	173.26	-27.39
		408	10.91	65.06	-321.79	-238.97	-17.75	-158.68	176.36	-68.87	-65.78	173.26	-27.39
		188	10.91	65.06	-321.79	-238.97	-17.75	-158.68	176.36	-68.87	-65.78	173.26	-27.39
271	7	189	50.72	321.62	-1496.90	-1397.60	222.31	-413.19	-535.12	-901.88	-847.28	-589.72	-130.56
		408	50.72	321.62	-1496.90	-1397.60	222.31	-413.19	-535.12	-901.88	-847.28	-589.72	-130.56
		188	50.72	321.62	-1496.90	-1397.60	222.31	-413.19	-535.12	-901.88	-847.28	-589.72	-130.56
271	14	189	7.45	34.38	-225.57	-165.57	-25.61	-109.53	62.23	-169.39	-166.22	59.06	26.90
		408	7.45	34.38	-225.57	-165.57	-25.61	-109.53	62.23	-169.39	-166.22	59.06	26.90
		188	7.45	34.38	-225.57	-165.57	-25.61	-109.53	62.23	-169.39	-166.22	59.06	26.90
271	16	189	7.10	28.28	-216.99	-158.38	-30.32	-104.59	38.22	-220.16	-211.77	29.83	45.80
		408	7.10	28.28	-216.99	-158.38	-30.32	-104.59	38.22	-220.16	-211.77	29.83	45.80
		188	7.10	28.28	-216.99	-158.38	-30.32	-104.59	38.22	-220.16	-211.77	29.83	45.80
272	4	321	6.02	74.08	-85.56	72.83	-84.31	-14.09	556.79	108.51	544.33	120.97	-73.69
		334	5.61	78.93	-48.24	77.34	-46.66	-14.09	551.64	47.98	537.29	62.33	-83.78
		336	6.38	112.72	-43.85	111.44	-42.57	-14.09	529.69	17.01	490.04	56.66	-136.94
		319	6.76	107.97	-81.27	106.92	-80.22	-14.09	535.38	77.00	497.08	115.30	-126.85
272	9	321	17.07	88.47	-485.36	87.86	-484.75	-18.69	512.27	111.80	175.69	448.38	146.65
		334	13.69	103.80	-359.04	103.04	-358.29	-18.69	465.11	166.01	176.45	454.68	54.88
		336	16.64	204.94	-346.77	204.31	-346.14	-18.69	408.67	-258.74	-253.19	403.12	60.60
		319	19.76	189.66	-473.13	189.13	-472.60	-18.69	430.73	-287.85	-253.95	396.82	152.36
272	13	321	4.35	-44.22	-86.36	-67.30	-63.29	20.97	58.99	-561.47	-558.16	55.68	45.21
		334	4.59	-27.31	-76.26	-64.40	-39.17	20.97	191.94	-543.31	-541.97	190.61	31.30
		336	4.81	-19.88	-62.74	-45.70	-36.92	20.97	211.62	-635.88	-607.05	182.80	153.61
		319	4.62	-32.94	-76.69	-48.59	-61.04	20.97	87.35	-662.73	-623.25	47.87	167.51
272	15	321	4.35	-44.22	-86.36	-67.30	-63.29	20.97	58.99	-561.47	-558.16	55.68	45.21
		334	4.59	-27.31	-76.26	-64.40	-39.17	20.97	191.94	-543.31	-541.97	190.61	31.30
		336	4.81	-19.88	-62.74	-45.70	-36.92	20.97	211.62	-635.88	-607.05	182.80	153.61
		319	4.62	-32.94	-76.69	-48.59	-61.04	20.97	87.35	-662.73	-623.25	47.87	167.51
273	4	323	4.44	42.30	-69.28	38.72	-65.70	19.66	496.21	42.17	475.49	62.90	-94.77
		338	3.91	46.96	-40.62	42.29	-35.96	19.66	493.64	64.57	477.61	80.60	-81.36
		334	5.18	82.55	-34.93	79.16	-31.54	19.66	549.63	78.89	540.39	88.13	-65.32
		321	5.64	78.36	-64.04	75.59	-61.27	19.66	551.15	57.54	538.26	70.43	-78.72
273	9	323	11.52	10.97	-360.73	2.49	-352.25	55.49	367.14	249.39	260.65	355.88	34.62
		338	9.43	24.10	-272.63	13.34	-261.87	55.49	410.42	265.71	267.04	409.09	13.81
		334	10.77	124.33	-257.77	116.09	-249.54	55.49	413.19	153.77	169.57	397.39	62.03
		321	12.81	112.06	-346.74	105.24	-339.92	55.49	376.38	130.99	163.19	344.18	82.85
273	13	323	3.64	-37.88	-71.35	-57.44	-51.80	16.50	28.79	-490.56	-490.40	28.63	-9.07
		338	3.67	-28.84	-65.95	-55.89	-38.90	16.50	41.15	-490.16	-489.03	40.02	-24.45
		334	4.24	-31.64	-72.78	-64.49	-39.93	16.50	31.71	-561.41	-561.08	31.38	-14.13
		321	4.20	-41.67	-77.21	-66.04	-52.83	16.50	19.99	-562.45	-562.44	19.99	1.26
273	15	323	3.64	-37.88	-71.35	-57.44	-51.80	16.50	28.79	-490.56	-490.40	28.63	-9.07
		338	3.67	-28.84	-65.95	-55.89	-38.90	16.50	41.15	-490.16	-489.03	40.02	-24.45
		334	4.24	-31.64	-72.78	-64.49	-39.93	16.50	31.71	-561.41	-561.08	31.38	-14.13
		321	4.20	-41.67	-77.21	-66.04	-52.83	16.50	19.99	-562.45	-562.44	19.99	1.26
274	1	325	3.76	-43.36	-72.48	-58.18	-57.66	14.56	-1.59	-556.25	-540.23	-17.61	-92.88
		339	3.79	-37.32	-67.78	-57.03	-48.07	14.56	49.54	-557.69	-534.91	26.75	-115.39
		338	4.68	-42.81	-79.70	-72.58	-49.93	14.56	22.63	-648.82	-640.29	14.11	-75.19

		323	4.64	-50.43	-82.82	-73.73	-59.52	14.56	-25.78	-650.09	-645.62	-30.25	-52.68
274	8	325	8.31	153.41	-70.86	-53.62	136.16	-59.75	-203.43	-849.65	-840.71	-212.37	-75.47
		339	8.15	147.43	-72.08	-54.39	129.74	-59.75	-210.28	-847.34	-841.20	-216.42	-62.26
		338	8.79	140.40	-108.31	-93.01	125.10	-59.75	-201.48	-786.92	-779.39	-209.00	-65.94
		323	8.95	146.48	-107.20	-92.24	131.53	-59.75	-194.24	-789.62	-778.91	-204.95	-79.14
274	13	325	2.89	-33.35	-55.75	-44.75	-44.35	11.20	-1.22	-427.88	-415.56	-13.54	-71.45
		339	2.92	-28.71	-52.14	-43.87	-36.97	11.20	38.10	-428.99	-411.47	20.58	-88.76
		338	3.60	-32.93	-61.31	-55.83	-38.41	11.20	17.41	-499.09	-492.53	10.85	-57.84
		323	3.57	-38.79	-63.71	-56.71	-45.79	11.20	-19.83	-500.07	-496.63	-23.27	-40.52
274	15	325	2.89	-33.35	-55.75	-44.75	-44.35	11.20	-1.22	-427.88	-415.56	-13.54	-71.45
		339	2.92	-28.71	-52.14	-43.87	-36.97	11.20	38.10	-428.99	-411.47	20.58	-88.76
		338	3.60	-32.93	-61.31	-55.83	-38.41	11.20	17.41	-499.09	-492.53	10.85	-57.84
		323	3.57	-38.79	-63.71	-56.71	-45.79	11.20	-19.83	-500.07	-496.63	-23.27	-40.52
275	1	327	2.85	-35.82	-54.54	-41.51	-48.84	8.61	9.43	-449.96	-411.85	-28.68	-126.71
		340	2.90	-34.21	-51.88	-41.05	-45.03	8.61	39.59	-463.36	-410.05	-13.72	-154.82
		339	3.84	-41.97	-61.86	-56.89	-46.93	8.61	6.86	-578.03	-541.66	-29.51	-141.26
		325	3.79	-44.83	-63.27	-57.35	-50.75	8.61	-20.02	-567.91	-543.45	-44.48	-113.15
275	8	327	6.83	116.72	-61.57	-35.78	90.93	-62.72	-152.64	-764.45	-761.63	-155.45	-41.43
		340	6.65	102.97	-65.66	-37.69	75.01	-62.72	-161.73	-768.45	-763.03	-167.15	-57.08
		339	7.50	97.02	-86.14	-61.30	72.18	-62.72	-169.08	-843.21	-836.34	-175.94	-67.68
		325	7.67	111.16	-82.45	-59.39	88.09	-62.72	-160.24	-838.95	-834.94	-164.25	-52.02
275	13	327	2.19	-27.55	-41.95	-31.93	-37.57	6.62	7.25	-346.12	-316.81	-22.06	-97.47
		340	2.23	-26.31	-39.91	-31.58	-34.64	6.62	30.45	-356.43	-315.43	-10.56	-119.09
		339	2.95	-32.28	-47.58	-43.76	-36.10	6.62	5.28	-444.64	-416.66	-22.70	-108.66
		325	2.92	-34.48	-48.67	-44.12	-39.04	6.62	-15.40	-436.86	-418.04	-34.21	-87.04
275	15	327	2.19	-27.55	-41.95	-31.93	-37.57	6.62	7.25	-346.12	-316.81	-22.06	-97.47
		340	2.23	-26.31	-39.91	-31.58	-34.64	6.62	30.45	-356.43	-315.43	-10.56	-119.09
		339	2.95	-32.28	-47.58	-43.76	-36.10	6.62	5.28	-444.64	-416.66	-22.70	-108.66
		325	2.92	-34.48	-48.67	-44.12	-39.04	6.62	-15.40	-436.86	-418.04	-34.21	-87.04
276	4	329	3.20	35.18	-33.66	32.58	-31.06	13.12	364.25	16.40	362.02	18.63	-27.78
		341	3.16	36.11	-27.92	33.30	-25.11	13.12	361.68	2.37	360.24	3.81	-22.67
		340	3.21	34.64	-28.17	31.76	-25.29	13.12	387.55	3.25	384.13	6.67	-36.11
		327	3.26	33.70	-33.89	31.05	-31.24	13.12	390.51	16.90	385.91	21.50	-41.21
276	8	329	5.34	85.08	-52.86	-25.93	58.15	-54.67	-101.68	-629.10	-628.48	-102.30	-18.07
		341	5.30	74.94	-56.62	-27.42	45.75	-54.67	-107.04	-633.49	-629.53	-111.01	-45.54
		340	6.12	70.72	-68.06	-41.40	44.07	-54.67	-121.95	-762.64	-758.15	-126.44	-53.43
		327	6.18	81.16	-64.60	-39.92	56.48	-54.67	-116.68	-758.16	-757.11	-117.73	-25.96
276	13	329	1.62	-19.05	-33.05	-20.23	-31.86	3.89	20.83	-267.47	-220.37	-26.27	-106.58
		341	1.70	-18.94	-32.56	-20.16	-31.34	3.89	38.72	-283.01	-220.12	-24.18	-127.59
		340	2.30	-28.06	-35.96	-31.34	-32.68	3.89	11.85	-366.30	-318.48	-35.98	-125.69
		327	2.24	-28.31	-36.30	-31.41	-33.21	3.89	-3.32	-353.47	-318.73	-38.07	-104.68
276	15	329	1.62	-19.05	-33.05	-20.23	-31.86	3.89	20.83	-267.47	-220.37	-26.27	-106.58
		341	1.70	-18.94	-32.56	-20.16	-31.34	3.89	38.72	-283.01	-220.12	-24.18	-127.59
		340	2.30	-28.06	-35.96	-31.34	-32.68	3.89	11.85	-366.30	-318.48	-35.98	-125.69
		327	2.24	-28.31	-36.30	-31.41	-33.21	3.89	-3.32	-353.47	-318.73	-38.07	-104.68
277	4	331	3.04	34.97	-26.75	33.86	-25.64	8.20	333.77	8.71	333.68	8.80	5.44
		342	3.07	35.23	-24.88	34.09	-23.74	8.20	331.68	-11.36	331.31	-10.98	11.32
		341	3.15	34.60	-24.96	33.45	-23.81	8.20	358.98	-7.80	358.86	-7.68	-6.61
		329	3.13	34.34	-26.84	33.22	-25.72	8.20	361.68	11.66	361.24	12.11	-12.50
277	8	331	3.80	61.28	-39.66	-14.32	35.94	-43.77	-64.92	-473.80	-473.77	-64.95	3.57
		342	3.84	54.64	-42.73	-15.36	27.27	-43.77	-73.76	-477.17	-475.08	-75.85	-28.99
		341	4.77	49.63	-53.95	-29.85	25.53	-43.77	-91.32	-630.32	-627.50	-94.14	-38.87
		329	4.75	56.62	-51.23	-28.81	34.20	-43.77	-83.17	-626.27	-626.19	-83.24	-6.31
277	14	331	1.71	17.06	-26.87	16.27	-26.08	5.86	152.63	-15.36	144.85	-7.58	-35.31
		342	1.74	17.17	-26.12	16.36	-25.31	5.86	151.65	-31.87	142.98	-23.20	-38.95
		341	1.59	13.01	-26.70	12.13	-25.82	5.86	142.74	-42.02	125.95	-25.24	-53.10
		329	1.55	12.90	-27.45	12.03	-26.58	5.86	143.77	-25.57	127.83	-9.63	-49.46
277	15	331	1.28	-9.79	-27.05	-10.12	-26.72	2.35	24.81	-195.37	-138.39	-32.16	-96.43
		342	1.38	-9.92	-27.99	-10.23	-27.67	2.35	33.89	-214.92	-139.51	-41.51	-114.35
		341	1.73	-19.28	-29.41	-19.86	-28.83	2.35	12.40	-287.39	-223.41	-51.58	-122.82
		329	1.64	-19.12	-28.51	-19.75	-27.88	2.35	5.98	-270.50	-222.29	-42.23	-104.90
278	4	333	2.80	32.39	-21.90	31.99	-21.50	4.64	298.62	-15.12	291.41	-7.91	47.01
		343	2.89	32.38	-22.02	31.98	-21.62	4.64	297.80	-42.31	288.41	-32.92	55.74
		342	3.08	34.76	-21.71	34.37	-21.33	4.64	332.30	-31.05	329.26	-28.02	33.07
		331	3.00	34.77	-21.60	34.39	-21.22	4.64	334.02	-4.76	332.26	-3.00	24.34
278	10	333	4.02	49.51	-26.23	12.65	10.63	37.86	399.10	-136.68	257.13	5.29	-236.45
		343	3.96	51.63	-24.10	13.11	14.43	37.86	381.89	-142.62	254.65	-15.38	-224.83
		342	4.22	49.88	-25.95	9.89	14.04	37.86	440.96	-140.73	309.07	-8.85	-243.56
		331	4.27	47.70	-28.02	9.44	10.24	37.86	457.63	-134.25	311.55	11.82	-255.19
278	14	333	1.71	18.28	-22.03	18.02	-21.77	3.24	143.37	-22.50	143.37	-22.49	0.71
		343	1.80	18.19	-22.78	17.93	-22.52	3.24	140.65	-45.15	140.65	-45.15	0.65
		342	1.77	16.94	-22.94	16.68	-22.67	3.24	142.45	-47.29	140.34	-45.18	-19.89
		331	1.67	17.04	-22.19	16.77	-21.92	3.24	145.40	-24.87	143.06	-22.53	-19.82
278	16	333	1.55	15.93	-22.05	15.69	-21.81	3.01	119.03	-25.26	118.69	-24.92	-7.01
		343	1.64	15.82	-22.91	15.59	-22.67	3.01	116.47	-47.63	116.02	-47.19	-8.54
		342	1.57	13.97	-23.14	13.73	-22.90	3.01	113.94	-53.14	108.85	-48.05	-28.72
		331	1.48	14.08	-22.29	13.83	-22.04	3.01	116.71	-30.97	111.52	-25.78	-27.18

279	2	165	16.08	15.77	-282.66	-164.98	-101.91	145.85	-322.06	-1811.25	-864.59	-1268.72	716.66
		565	18.62	-6.06	-307.29	-119.08	-194.27	145.85	95.36	-1979.95	-617.35	-1267.24	985.46
		282	18.51	20.05	-290.96	-81.50	-189.41	145.85	207.20	-1909.37	-454.55	-1247.61	981.19
		271	13.47	132.81	-160.58	1.88	-29.65	145.85	80.72	-1417.46	-166.81	-1169.93	556.39
279	9	165	54.37	29.16	-1663.61	-1291.53	-342.92	701.00	-783.07	-2306.66	-1122.02	-1967.71	633.67
		565	51.79	-235.47	-1638.80	-906.70	-967.57	701.00	-430.36	-1799.75	-1111.62	-1118.49	684.69
		282	50.29	-46.50	-1485.75	-603.47	-928.78	701.00	-366.19	-1934.90	-1172.27	-1128.81	784.05
		271	44.59	815.47	-592.42	47.23	175.82	701.00	-723.23	-3169.53	-1434.87	-2457.88	1111.06
279	14	165	12.19	8.22	-219.80	-137.99	-73.58	109.36	-231.92	-1365.69	-638.97	-958.64	543.88
		565	14.00	-10.81	-233.70	-100.81	-143.69	109.36	79.68	-1490.46	-454.94	-955.85	744.04
		282	13.89	9.41	-219.96	-70.74	-139.81	109.36	163.29	-1438.45	-333.90	-941.26	741.06
		271	10.10	98.30	-120.81	-4.72	-17.79	109.36	69.29	-1075.65	-120.27	-886.10	425.56
279	16	165	12.13	6.85	-220.90	-142.36	-71.69	108.25	-225.67	-1354.84	-628.68	-951.83	540.97
		565	13.87	-13.11	-232.75	-104.44	-141.42	108.25	82.17	-1477.63	-447.08	-948.38	738.53
		282	13.75	7.12	-218.52	-73.91	-137.49	108.25	164.84	-1426.52	-327.69	-933.99	735.67
		271	9.99	96.86	-119.82	-7.15	-15.81	108.25	72.12	-1069.86	-117.10	-880.64	424.60
280	1	177	9.68	1.29	-214.22	-148.80	-64.13	99.09	-450.16	-925.42	-700.62	-674.96	237.28
		165	9.68	1.29	-214.22	-148.80	-64.13	99.09	-450.16	-925.42	-700.62	-674.96	237.28
		271	9.68	1.29	-214.22	-148.80	-64.13	99.09	-450.16	-925.42	-700.62	-674.96	237.28
280	5	177	49.77	16.02	-1596.90	-424.38	-1156.50	718.59	-917.58	-1728.51	-1663.81	-982.27	219.72
		165	49.77	16.02	-1596.90	-424.38	-1156.50	718.59	-917.58	-1728.51	-1663.81	-982.27	219.72
		271	49.77	16.02	-1596.90	-424.38	-1156.50	718.59	-917.58	-1728.51	-1663.81	-982.27	219.72
280	13	177	7.45	0.99	-164.79	-114.47	-49.33	76.22	-346.28	-711.86	-538.94	-519.20	182.52
		165	7.45	0.99	-164.79	-114.47	-49.33	76.22	-346.28	-711.86	-538.94	-519.20	182.52
		271	7.45	0.99	-164.79	-114.47	-49.33	76.22	-346.28	-711.86	-538.94	-519.20	182.52
280	15	177	7.45	0.99	-164.79	-114.47	-49.33	76.22	-346.28	-711.86	-538.94	-519.20	182.52
		165	7.45	0.99	-164.79	-114.47	-49.33	76.22	-346.28	-711.86	-538.94	-519.20	182.52
		271	7.45	0.99	-164.79	-114.47	-49.33	76.22	-346.28	-711.86	-538.94	-519.20	182.52
281	4	357	5.10	102.42	19.63	102.31	19.74	3.02	-54.03	-519.17	-516.46	-56.73	-35.37
		368	4.85	96.55	30.01	96.42	30.15	3.02	-43.40	-517.93	-514.96	-46.37	-37.42
		172	9.43	266.30	51.57	266.25	51.61	3.02	-44.16	-522.95	-521.00	-46.11	-30.51
		174	9.30	257.30	38.61	257.26	38.65	3.02	-55.32	-523.85	-522.05	-57.12	-28.97
281	10	357	10.07	-7.42	-162.34	-110.53	-59.23	73.09	1445.17	97.60	1444.94	97.83	-17.64
		368	9.74	16.55	-142.03	-93.47	-32.01	73.09	1436.11	73.85	1435.56	74.39	27.17
		172	19.06	-54.34	-435.80	-421.24	-68.90	73.09	1591.58	90.76	1591.41	90.93	15.96
		174	18.49	-78.33	-426.04	-409.93	-94.44	73.09	1588.01	113.66	1587.38	114.29	-30.54
281	13	357	5.71	-12.31	-69.37	-69.36	-12.32	0.84	878.38	217.47	878.26	217.59	-8.94
		368	5.73	-10.38	-68.91	-68.89	-10.39	0.84	868.53	173.60	866.54	175.59	37.16
		172	6.61	-10.86	-74.47	-74.46	-10.87	0.84	1025.03	190.43	1024.81	190.64	13.32
		174	6.52	-12.87	-74.46	-74.45	-12.88	0.84	1024.45	232.41	1023.04	233.82	-33.41
281	15	357	5.71	-12.31	-69.37	-69.36	-12.32	0.84	878.38	217.47	878.26	217.59	-8.94
		368	5.73	-10.38	-68.91	-68.89	-10.39	0.84	868.53	173.60	866.54	175.59	37.16
		172	6.61	-10.86	-74.47	-74.46	-10.87	0.84	1025.03	190.43	1024.81	190.64	13.32
		174	6.52	-12.87	-74.46	-74.45	-12.88	0.84	1024.45	232.41	1023.04	233.82	-33.41
282	4	475	7.07	209.40	9.84	208.30	10.94	-14.77	23.96	-253.62	-230.40	0.73	76.86
		397	7.01	209.15	7.84	208.06	8.93	-14.77	-19.15	-258.44	-235.53	-42.06	70.40
		388	9.05	285.01	17.15	284.20	17.96	-14.77	-26.78	-259.86	-241.64	-45.00	62.57
		530	9.11	285.29	19.36	284.46	20.19	-14.77	21.17	-254.87	-235.97	2.27	69.70
282	5	475	20.85	705.01	19.55	696.98	27.59	73.76	19.58	-225.71	-214.94	8.81	50.26
		397	20.88	706.20	28.59	698.07	36.72	73.76	9.42	-221.70	-215.60	3.32	-37.05
		388	26.97	919.84	56.69	913.49	63.04	73.76	-0.30	-300.84	-294.67	-6.46	-42.59
		530	26.97	918.57	46.66	912.28	52.95	73.76	9.19	-303.52	-293.95	-0.39	53.88
282	13	475	5.02	-3.26	-67.81	-67.73	-3.34	2.24	644.32	5.79	635.37	14.74	-75.08
		397	4.88	-1.91	-67.64	-67.57	-1.99	2.24	646.83	83.24	643.94	86.14	-40.28
		388	5.06	-2.05	-69.36	-69.28	-2.13	2.24	677.05	92.51	675.89	93.66	-25.94
		530	5.20	-3.54	-69.54	-69.46	-3.62	2.24	672.73	8.48	666.43	14.78	-64.39
282	15	475	5.02	-3.26	-67.81	-67.73	-3.34	2.24	644.32	5.79	635.37	14.74	-75.08
		397	4.88	-1.91	-67.64	-67.57	-1.99	2.24	646.83	83.24	643.94	86.14	-40.28
		388	5.06	-2.05	-69.36	-69.28	-2.13	2.24	677.05	92.51	675.89	93.66	-25.94
		530	5.20	-3.54	-69.54	-69.46	-3.62	2.24	672.73	8.48	666.43	14.78	-64.39
283	4	338	2.71	45.12	-44.11	37.53	-36.53	24.88	55.95	-77.32	-39.87	18.50	-59.90
		348	2.17	52.98	-13.14	41.69	-1.85	24.88	20.18	-87.13	-44.75	-22.21	-52.46
		347	3.36	103.09	-1.54	96.80	4.76	24.88	75.49	-103.40	-9.89	-18.02	-89.36
		334	3.86	97.49	-34.78	92.64	-29.92	24.88	106.63	-88.95	-5.00	22.69	-96.80
283	5	338	13.31	92.31	-376.47	34.86	-319.01	153.73	232.40	28.18	41.63	218.96	-50.64
		348	11.83	113.25	-301.71	45.11	-233.57	153.73	253.25	-3.88	40.43	208.95	-97.10
		347	12.54	132.15	-296.03	67.05	-230.94	153.73	211.83	-206.07	-177.09	182.85	-106.18
		334	14.02	111.97	-371.55	56.80	-316.38	153.73	202.29	-185.32	-175.88	192.86	-59.72
283	13	338	2.50	-31.31	-67.97	-59.90	-39.38	15.19	191.65	92.53	165.60	118.58	-43.63
		348	2.51	-20.68	-64.51	-58.39	-26.80	15.19	230.84	137.70	174.64	193.90	-45.56
		347	2.45	-22.59	-72.02	-66.80	-27.81	15.19	205.69	152.75	165.62	192.82	22.71
		334	2.44	-33.71	-74.98	-68.30	-40.39	15.19	168.48	105.59	156.58	117.50	24.64
283	15	338	2.50	-31.31	-67.97	-59.90	-39.38	15.19	191.65	92.53	165.60	118.58	-43.63
		348	2.51	-20.68	-64.51	-58.39	-26.80	15.19	230.84	137.70	174.64	193.90	-45.56
		347	2.45	-22.59	-72.02	-66.80	-27.81	15.19	205.69	152.75	165.62	192.82	22.71
		334	2.44	-33.71	-74.98	-68.30	-40.39	15.19	168.48	105.59	156.58	117.50	24.64
284	1	339	2.92	-40.33	-68.50	-60.37	-48.47	12.77	282.20	27.77	195.57	114.41	-120.57

		349	2.87	-34.31	-65.93	-59.45	-40.80	12.77	288.89	46.35	198.28	136.97	-117.33
		348	3.17	-38.62	-81.13	-76.87	-42.89	12.77	279.94	72.29	213.44	138.79	-96.88
		338	3.21	-45.51	-82.84	-77.79	-50.56	12.77	274.19	52.77	210.73	116.23	-100.12
284	5	339	9.07	57.87	-259.22	-4.02	-197.33	125.67	178.47	46.18	79.38	145.27	-57.36
		349	8.32	72.72	-220.69	1.70	-149.67	125.67	182.89	34.99	78.66	139.22	-67.46
		348	8.84	116.73	-203.93	55.96	-143.16	125.67	171.51	-6.59	31.38	133.55	-72.94
		338	9.63	103.84	-244.42	50.24	-190.82	125.67	168.53	3.16	32.10	139.59	-62.84
284	13	339	2.24	-31.03	-52.70	-46.44	-37.28	9.82	217.08	21.36	150.44	88.01	-92.75
		349	2.21	-26.39	-50.72	-45.73	-31.38	9.82	222.22	35.66	152.52	105.36	-90.25
		348	2.44	-29.71	-62.41	-59.13	-32.99	9.82	215.34	55.61	164.18	106.76	-74.52
		338	2.47	-35.01	-63.72	-59.84	-38.89	9.82	210.91	40.59	162.10	89.41	-77.01
284	15	339	2.24	-31.03	-52.70	-46.44	-37.28	9.82	217.08	21.36	150.44	88.01	-92.75
		349	2.21	-26.39	-50.72	-45.73	-31.38	9.82	222.22	35.66	152.52	105.36	-90.25
		348	2.44	-29.71	-62.41	-59.13	-32.99	9.82	215.34	55.61	164.18	106.76	-74.52
		338	2.47	-35.01	-63.72	-59.84	-38.89	9.82	210.91	40.59	162.10	89.41	-77.01
285	1	340	2.52	-36.22	-51.92	-42.89	-45.25	7.76	271.48	-70.88	147.42	53.18	-164.56
		350	2.47	-34.28	-49.83	-42.46	-41.66	7.76	271.87	-48.87	149.82	73.18	-155.72
		349	2.78	-40.60	-62.94	-59.80	-43.74	7.76	283.44	-14.07	191.22	78.15	-137.59
		339	2.83	-43.69	-63.88	-60.23	-47.33	7.76	283.83	-36.87	188.82	58.14	-146.43
285	5	340	6.84	50.38	-194.24	-4.91	-138.95	102.31	115.55	8.66	65.24	58.97	-53.35
		350	6.30	62.54	-166.36	-0.62	-103.21	102.31	111.93	6.30	64.60	53.63	-52.53
		349	6.37	68.65	-163.50	7.39	-102.25	102.31	119.08	3.45	68.44	54.09	-57.37
		339	6.91	56.83	-191.72	3.10	-137.99	102.31	122.64	5.87	69.08	59.43	-58.19
285	13	340	1.94	-27.86	-39.94	-32.99	-34.81	5.97	208.83	-54.52	113.40	40.90	-126.59
		350	1.90	-26.37	-38.33	-32.66	-32.04	5.97	209.13	-37.59	115.25	56.29	-119.79
		349	2.14	-31.23	-48.41	-46.00	-33.64	5.97	218.03	-10.83	147.09	60.11	-105.84
		339	2.17	-33.61	-49.13	-46.33	-36.41	5.97	218.33	-28.36	145.24	44.73	-112.64
285	15	340	1.94	-27.86	-39.94	-32.99	-34.81	5.97	208.83	-54.52	113.40	40.90	-126.59
		350	1.90	-26.37	-38.33	-32.66	-32.04	5.97	209.13	-37.59	115.25	56.29	-119.79
		349	2.14	-31.23	-48.41	-46.00	-33.64	5.97	218.03	-10.83	147.09	60.11	-105.84
		339	2.17	-33.61	-49.13	-46.33	-36.41	5.97	218.33	-28.36	145.24	44.73	-112.64
286	1	341	2.10	-25.67	-42.20	-27.03	-40.84	4.54	233.34	-122.37	96.48	14.49	-173.07
		351	2.02	-25.49	-41.37	-26.92	-39.94	4.54	223.56	-112.68	96.47	14.41	-163.04
		350	2.34	-37.58	-46.69	-42.47	-41.80	4.54	256.13	-92.65	143.44	20.04	-163.11
		340	2.40	-38.10	-47.19	-42.58	-42.70	4.54	265.59	-102.01	143.45	20.13	-173.14
286	7	341	5.20	58.65	-81.27	-23.54	0.92	-68.88	-119.64	-660.05	-657.74	-121.95	-35.24
		351	5.19	52.42	-86.23	-24.74	-9.07	-68.88	-126.94	-662.13	-658.74	-130.33	-42.45
		350	5.72	43.03	-98.57	-44.14	-11.40	-68.88	-129.93	-696.96	-692.51	-134.38	-50.05
		340	5.74	49.77	-94.11	-42.94	-1.40	-68.88	-122.78	-694.73	-691.50	-126.00	-42.84
286	13	341	1.61	-19.75	-32.46	-20.79	-31.41	3.50	179.49	-94.13	74.21	11.15	-133.13
		351	1.56	-19.61	-31.82	-20.71	-30.72	3.50	171.97	-86.68	74.21	11.08	-125.41
		350	1.80	-28.91	-35.92	-32.67	-32.16	3.50	197.03	-71.27	110.34	15.42	-125.47
		340	1.85	-29.30	-36.30	-32.75	-32.85	3.50	204.30	-78.47	110.35	15.48	-133.19
286	15	341	1.61	-19.75	-32.46	-20.79	-31.41	3.50	179.49	-94.13	74.21	11.15	-133.13
		351	1.56	-19.61	-31.82	-20.71	-30.72	3.50	171.97	-86.68	74.21	11.08	-125.41
		350	1.80	-28.91	-35.92	-32.67	-32.16	3.50	197.03	-71.27	110.34	15.42	-125.47
		340	1.85	-29.30	-36.30	-32.75	-32.85	3.50	204.30	-78.47	110.35	15.48	-133.19
287	2	342	2.05	30.12	-33.18	29.20	-32.26	7.58	-73.38	-169.99	-165.36	-78.01	-20.64
		352	1.95	30.38	-31.26	29.44	-30.31	7.58	-96.99	-171.77	-168.08	-100.68	-16.19
		351	1.81	25.92	-31.87	24.91	-30.86	7.58	-78.54	-166.88	-147.24	-98.18	-36.73
		341	1.91	25.66	-33.78	24.68	-32.80	7.58	-56.29	-163.75	-144.52	-75.51	-41.18
287	7	342	4.14	51.77	-68.52	-9.13	-7.61	-60.14	-122.14	-591.33	-591.30	-122.17	-3.61
		352	4.20	46.30	-74.20	-10.33	-17.58	-60.14	-139.29	-594.15	-593.44	-140.01	-18.02
		351	4.80	37.51	-82.95	-25.99	-19.46	-60.14	-145.83	-663.15	-660.88	-148.10	-34.19
		341	4.76	43.48	-77.77	-24.79	-9.49	-60.14	-129.52	-659.48	-658.74	-130.26	-19.79
287	13	342	1.26	-10.39	-27.97	-10.63	-27.72	2.05	128.20	-114.72	34.15	-20.67	-118.32
		352	1.23	-10.45	-28.42	-10.69	-28.18	2.05	115.62	-114.56	32.82	-31.75	-110.47
		351	1.40	-20.09	-29.82	-20.55	-29.37	2.05	151.02	-108.77	69.60	-27.34	-120.51
		341	1.47	-20.02	-29.38	-20.49	-28.91	2.05	162.90	-108.23	70.93	-16.26	-128.37
287	15	342	1.26	-10.39	-27.97	-10.63	-27.72	2.05	128.20	-114.72	34.15	-20.67	-118.32
		352	1.23	-10.45	-28.42	-10.69	-28.18	2.05	115.62	-114.56	32.82	-31.75	-110.47
		351	1.40	-20.09	-29.82	-20.55	-29.37	2.05	151.02	-108.77	69.60	-27.34	-120.51
		341	1.47	-20.02	-29.38	-20.49	-28.91	2.05	162.90	-108.23	70.93	-16.26	-128.37
288	4	343	1.83	31.02	-22.04	30.75	-21.76	3.78	-57.09	-199.35	-168.67	-87.77	58.51
		353	1.78	31.08	-21.61	30.80	-21.34	3.78	-77.79	-205.72	-171.57	-111.94	56.59
		352	1.85	33.00	-21.37	32.73	-21.10	3.78	-98.38	-195.19	-180.55	-113.02	34.68
		342	1.90	32.94	-21.80	32.68	-21.53	3.78	-75.71	-190.79	-177.65	-88.85	36.60
288	10	343	3.75	44.17	-19.69	10.38	14.10	31.88	455.14	-95.84	361.81	-2.52	-206.67
		353	3.57	46.08	-18.00	10.77	17.31	31.88	427.46	-91.14	359.35	-23.03	-175.16
		352	4.09	45.14	-19.14	8.92	17.09	31.88	571.91	-70.37	506.87	-5.33	-193.76
		342	4.25	43.19	-20.78	8.53	13.88	31.88	596.61	-72.09	509.33	15.19	-225.26
288	13	343	1.13	-3.53	-23.97	-3.57	-23.93	0.94	64.52	-115.13	2.83	-53.43	-85.31
		353	1.20	-3.65	-24.94	-3.69	-24.90	0.94	51.10	-123.93	0.45	-73.29	-79.37
		352	1.27	-10.33	-25.76	-10.39	-25.71	0.94	88.18	-129.90	28.24	-69.95	-97.37
		342	1.22	-10.21	-24.79	-10.27	-24.73	0.94	101.16	-120.64	30.62	-50.10	-103.30
288	15	343	1.13	-3.53	-23.97	-3.57	-23.93	0.94	64.52	-115.13	2.83	-53.43	-85.31
		353	1.20	-3.65	-24.94	-3.69	-24.90	0.94	51.10	-123.93	0.45	-73.29	-79.37

		352	1.27	-10.33	-25.76	-10.39	-25.71	0.94	88.18	-129.90	28.24	-69.95	-97.37
		342	1.22	-10.21	-24.79	-10.27	-24.73	0.94	101.16	-120.64	30.62	-50.10	-103.30
289	4	347	4.50	99.43	-10.50	97.64	-8.71	13.89	3.57	-307.39	-293.63	-10.19	-63.94
		357	3.77	88.61	18.02	85.76	20.87	13.89	-28.00	-311.17	-298.77	-40.40	-57.94
		174	7.77	243.59	47.97	242.60	48.96	13.89	-20.64	-311.43	-284.54	-47.53	-84.24
		396	7.67	222.34	9.46	221.43	10.37	13.89	11.82	-306.65	-282.00	-12.83	-85.10
289	7	347	15.01	436.56	-134.47	57.70	244.38	-269.83	62.82	-347.19	-345.33	60.96	27.56
		357	14.10	317.11	-237.19	-23.33	103.24	-269.83	53.27	-373.86	-363.91	43.33	64.40
		174	22.01	740.18	19.50	618.67	141.01	-269.83	72.27	-211.91	-198.25	58.61	60.79
		396	20.18	731.57	123.63	567.57	287.63	-269.83	76.16	-215.52	-213.98	74.62	21.15
289	13	347	4.41	-19.46	-71.05	-70.88	-19.63	2.98	600.95	204.23	600.55	204.63	-12.59
		357	4.41	-11.38	-70.24	-70.09	-11.53	2.98	589.14	176.61	589.00	176.75	7.50
		174	4.77	-8.74	-68.15	-68.00	-8.89	2.98	671.07	178.37	670.80	178.64	-11.67
		396	4.68	-18.18	-69.50	-69.32	-18.35	2.98	667.53	206.93	665.63	208.83	-29.53
289	15	347	4.41	-19.46	-71.05	-70.88	-19.63	2.98	600.95	204.23	600.55	204.63	-12.59
		357	4.41	-11.38	-70.24	-70.09	-11.53	2.98	589.14	176.61	589.00	176.75	7.50
		174	4.77	-8.74	-68.15	-68.00	-8.89	2.98	671.07	178.37	670.80	178.64	-11.67
		396	4.68	-18.18	-69.50	-69.32	-18.35	2.98	667.53	206.93	665.63	208.83	-29.53
290	1	334	3.21	-21.94	-93.31	-41.49	-73.76	31.83	210.36	203.62	205.56	208.43	-3.05
		347	3.21	-21.94	-93.31	-41.49	-73.76	31.83	210.36	203.62	205.56	208.43	-3.05
		396	3.21	-21.94	-93.31	-41.49	-73.76	31.83	210.36	203.62	205.56	208.43	-3.05
290	5	334	15.51	91.34	-430.32	11.15	-350.13	-188.15	235.77	-192.12	-100.39	144.04	175.60
		347	15.51	91.34	-430.32	11.15	-350.13	-188.15	235.77	-192.12	-100.39	144.04	175.60
		396	15.51	91.34	-430.32	11.15	-350.13	-188.15	235.77	-192.12	-100.39	144.04	175.60
290	13	334	2.47	-16.88	-71.78	-31.92	-56.74	24.49	161.82	156.63	158.12	160.33	-2.35
		347	2.47	-16.88	-71.78	-31.92	-56.74	24.49	161.82	156.63	158.12	160.33	-2.35
		396	2.47	-16.88	-71.78	-31.92	-56.74	24.49	161.82	156.63	158.12	160.33	-2.35
290	15	334	2.47	-16.88	-71.78	-31.92	-56.74	24.49	161.82	156.63	158.12	160.33	-2.35
		347	2.47	-16.88	-71.78	-31.92	-56.74	24.49	161.82	156.63	158.12	160.33	-2.35
		396	2.47	-16.88	-71.78	-31.92	-56.74	24.49	161.82	156.63	158.12	160.33	-2.35
291	4	336	5.30	148.32	-23.61	113.34	11.37	-69.21	166.32	44.32	140.53	70.11	-49.81
		396	5.30	148.32	-23.61	113.34	11.37	-69.21	166.32	44.32	140.53	70.11	-49.81
		335	5.30	148.32	-23.61	113.34	11.37	-69.21	166.32	44.32	140.53	70.11	-49.81
291	7	336	28.93	966.43	-52.52	153.27	760.64	-409.07	139.00	-201.16	-198.59	136.43	29.42
		396	28.93	966.43	-52.52	153.27	760.64	-409.07	139.00	-201.16	-198.59	136.43	29.42
		335	28.93	966.43	-52.52	153.27	760.64	-409.07	139.00	-201.16	-198.59	136.43	29.42
291	14	336	2.39	63.50	-18.42	47.78	-2.71	-32.25	154.31	29.72	45.57	138.47	-41.51
		396	2.39	63.50	-18.42	47.78	-2.71	-32.25	154.31	29.72	45.57	138.47	-41.51
		335	2.39	63.50	-18.42	47.78	-2.71	-32.25	154.31	29.72	45.57	138.47	-41.51
291	15	336	2.39	-10.43	-63.95	-50.55	-23.83	23.19	243.49	-99.36	-96.88	241.01	-29.05
		396	2.39	-10.43	-63.95	-50.55	-23.83	23.19	243.49	-99.36	-96.88	241.01	-29.05
		335	2.39	-10.43	-63.95	-50.55	-23.83	23.19	243.49	-99.36	-96.88	241.01	-29.05
292	2	561	19.31	111.05	-449.24	-287.32	-50.88	253.98	-22.87	-972.79	-694.89	-300.76	432.15
		385	19.31	111.05	-449.24	-287.32	-50.88	253.98	-22.87	-972.79	-694.89	-300.76	432.15
		407	19.31	111.05	-449.24	-287.32	-50.88	253.98	-22.87	-972.79	-694.89	-300.76	432.15
292	11	561	70.45	372.14	-1968.21	-1296.07	-300.00	1058.90	-336.91	-2231.85	-2153.35	-415.42	377.62
		385	70.45	372.14	-1968.21	-1296.07	-300.00	1058.90	-336.91	-2231.85	-2153.35	-415.42	377.62
		407	70.45	372.14	-1968.21	-1296.07	-300.00	1058.90	-336.91	-2231.85	-2153.35	-415.42	377.62
292	14	561	13.70	71.56	-322.54	-215.23	-35.75	175.43	-50.58	-714.75	-527.05	-238.29	299.06
		385	13.70	71.56	-322.54	-215.23	-35.75	175.43	-50.58	-714.75	-527.05	-238.29	299.06
		407	13.70	71.56	-322.54	-215.23	-35.75	175.43	-50.58	-714.75	-527.05	-238.29	299.06
292	16	561	13.25	66.18	-313.55	-212.96	-34.42	167.57	-63.52	-701.59	-524.10	-241.01	285.92
		385	13.25	66.18	-313.55	-212.96	-34.42	167.57	-63.52	-701.59	-524.10	-241.01	285.92
		407	13.25	66.18	-313.55	-212.96	-34.42	167.57	-63.52	-701.59	-524.10	-241.01	285.92
293	1	348	5.43	-32.23	-82.68	-79.63	-35.29	12.03	794.99	317.47	792.53	319.93	-34.17
		358	5.44	-25.34	-81.47	-78.76	-28.05	12.03	793.22	293.92	789.82	297.33	-41.08
		357	5.62	-27.09	-92.26	-89.95	-29.39	12.03	765.51	285.42	757.48	293.45	-61.57
		347	5.60	-34.08	-93.37	-90.82	-36.63	12.03	766.82	309.42	760.19	316.05	-54.66
293	5	348	13.64	119.16	-353.38	4.25	-238.47	202.72	226.39	-150.09	-114.11	190.40	-110.70
		358	12.30	156.31	-277.32	16.38	-137.40	202.72	206.90	-166.00	-117.90	158.81	-124.99
		357	13.39	221.66	-244.81	103.77	-126.91	202.72	210.48	-244.51	-184.80	150.78	-153.63
		347	14.79	189.96	-326.31	91.64	-227.99	202.72	229.65	-228.29	-181.01	182.37	-139.34
293	13	348	4.18	-24.80	-63.60	-61.25	-27.14	9.25	611.53	244.21	609.64	246.10	-26.28
		358	4.19	-19.49	-62.67	-60.58	-21.58	9.25	610.17	226.10	607.56	228.71	-31.60
		357	4.32	-20.84	-70.97	-69.20	-22.61	9.25	588.85	219.55	582.67	225.73	-47.36
		347	4.31	-26.22	-71.83	-69.86	-28.18	9.25	589.86	238.02	584.76	243.11	-42.04
293	15	348	4.18	-24.80	-63.60	-61.25	-27.14	9.25	611.53	244.21	609.64	246.10	-26.28
		358	4.19	-19.49	-62.67	-60.58	-21.58	9.25	610.17	226.10	607.56	228.71	-31.60
		357	4.32	-20.84	-70.97	-69.20	-22.61	9.25	588.85	219.55	582.67	225.73	-47.36
		347	4.31	-26.22	-71.83	-69.86	-28.18	9.25	589.86	238.02	584.76	243.11	-42.04
294	1	349	4.59	-37.94	-65.25	-62.07	-41.11	8.75	691.80	172.18	670.36	193.62	-103.35
		359	4.54	-33.07	-64.13	-61.43	-35.77	8.75	688.49	214.44	674.53	228.40	-80.15
		358	5.43	-36.24	-81.70	-79.95	-37.99	8.75	787.45	237.10	783.11	241.43	-48.63
		348	5.46	-41.38	-82.55	-80.59	-43.33	8.75	787.82	197.77	778.94	206.65	-71.82
294	5	349	9.60	84.96	-252.61	-15.87	-151.78	154.50	136.75	-123.87	-104.38	117.26	-68.56
		359	8.78	114.66	-202.99	-7.37	-80.96	154.50	120.59	-129.92	-106.76	97.43	-72.57
		358	9.11	135.70	-189.34	23.60	-77.24	154.50	127.57	-157.92	-125.53	95.18	-90.54

		348	9.96	108.24	-241.20	15.10	-148.06	154.50	143.13	-151.28	-123.15	115.00	-86.53
294	13	349	3.53	-29.18	-50.19	-47.75	-31.62	6.73	532.15	132.45	515.66	148.94	-79.50
		359	3.49	-25.44	-49.33	-47.26	-27.52	6.73	529.61	164.95	518.87	175.69	-61.66
		358	4.17	-27.88	-62.85	-61.50	-29.22	6.73	605.73	182.38	602.40	185.71	-37.41
		348	4.20	-31.83	-63.50	-61.99	-33.33	6.73	606.01	152.13	599.18	158.96	-55.25
294	15	349	3.53	-29.18	-50.19	-47.75	-31.62	6.73	532.15	132.45	515.66	148.94	-79.50
		359	3.49	-25.44	-49.33	-47.26	-27.52	6.73	529.61	164.95	518.87	175.69	-61.66
		358	4.17	-27.88	-62.85	-61.50	-29.22	6.73	605.73	182.38	602.40	185.71	-37.41
		348	4.20	-31.83	-63.50	-61.99	-33.33	6.73	606.01	152.13	599.18	158.96	-55.25
295	1	350	3.58	-37.46	-48.32	-43.95	-41.83	5.33	561.17	77.55	521.00	117.72	-133.47
		360	3.49	-35.77	-47.25	-43.65	-39.37	5.33	547.66	103.25	522.30	128.60	-103.08
		359	4.52	-40.29	-63.43	-62.13	-41.59	5.33	680.84	129.44	664.60	145.68	-93.21
		349	4.59	-42.62	-63.86	-62.43	-44.05	5.33	690.78	107.31	663.30	134.79	-123.61
295	5	350	6.77	60.88	-180.67	-14.87	-104.92	112.07	38.03	-160.00	-149.86	27.90	-43.65
		360	6.27	76.78	-154.48	-10.36	-67.34	112.07	19.17	-159.45	-151.83	11.54	-36.11
		359	6.38	79.94	-152.38	-5.67	-66.77	112.07	33.11	-133.89	-116.56	15.78	-50.93
		349	6.88	64.29	-178.83	-10.18	-104.35	112.07	52.58	-135.05	-114.60	32.13	-58.47
295	13	350	2.76	-28.81	-37.17	-33.80	-32.18	4.10	431.67	59.65	400.77	90.55	-102.67
		360	2.68	-27.51	-36.35	-33.58	-30.28	4.10	421.28	79.42	401.77	98.93	-79.29
		359	3.48	-30.99	-48.79	-47.79	-31.99	4.10	523.72	99.57	511.23	112.06	-71.70
		349	3.53	-32.78	-49.12	-48.02	-33.89	4.10	531.37	82.55	510.23	103.69	-95.08
295	15	350	2.76	-28.81	-37.17	-33.80	-32.18	4.10	431.67	59.65	400.77	90.55	-102.67
		360	2.68	-27.51	-36.35	-33.58	-30.28	4.10	421.28	79.42	401.77	98.93	-79.29
		359	3.48	-30.99	-48.79	-47.79	-31.99	4.10	523.72	99.57	511.23	112.06	-71.70
		349	3.53	-32.78	-49.12	-48.02	-33.89	4.10	531.37	82.55	510.23	103.69	-95.08
296	1	351	2.58	-26.90	-40.77	-27.64	-40.02	3.12	410.72	-8.77	356.36	45.59	-140.88
		361	2.44	-26.77	-40.07	-27.55	-39.29	3.12	389.69	12.29	356.36	45.62	-107.08
		360	3.46	-39.17	-45.95	-43.88	-41.25	3.12	538.80	40.44	514.63	64.61	-107.06
		350	3.56	-39.69	-46.25	-43.96	-41.98	3.12	555.08	24.13	514.62	64.58	-140.86
296	7	351	5.32	63.00	-91.07	-19.61	-8.46	-76.83	-121.16	-624.49	-619.97	-125.68	-47.48
		361	5.25	54.76	-98.92	-21.33	-22.83	-76.83	-121.59	-623.50	-619.91	-125.18	-42.29
		360	5.50	44.46	-109.97	-40.39	-25.12	-76.83	-118.59	-599.27	-595.60	-122.26	-41.84
		350	5.57	53.39	-102.80	-38.67	-10.74	-76.83	-118.13	-600.29	-595.66	-122.76	-47.03
296	13	351	1.98	-20.69	-31.36	-21.26	-30.79	2.40	315.94	-6.74	274.12	35.07	-108.37
		361	1.88	-20.59	-30.82	-21.19	-30.22	2.40	299.76	9.46	274.13	35.09	-82.37
		360	2.66	-30.13	-35.35	-33.75	-31.73	2.40	414.46	31.11	395.87	49.70	-82.35
		350	2.74	-30.53	-35.58	-33.82	-32.29	2.40	426.98	18.56	395.86	49.68	-108.35
296	15	351	1.98	-20.69	-31.36	-21.26	-30.79	2.40	315.94	-6.74	274.12	35.07	-108.37
		361	1.88	-20.59	-30.82	-21.19	-30.22	2.40	299.76	9.46	274.13	35.09	-82.37
		360	2.66	-30.13	-35.35	-33.75	-31.73	2.40	414.46	31.11	395.87	49.70	-82.35
		350	2.74	-30.53	-35.58	-33.82	-32.29	2.40	426.98	18.56	395.86	49.68	-108.35
297	4	352	3.37	31.66	-22.43	31.26	-22.02	4.65	-130.07	-507.61	-507.04	-130.64	14.67
		362	3.33	31.86	-20.88	31.45	-20.46	4.65	-143.67	-509.15	-508.66	-144.16	13.36
		361	3.30	29.52	-21.18	29.09	-20.75	4.65	-144.89	-514.77	-514.76	-144.89	1.11
		351	3.34	29.32	-22.73	28.91	-22.31	4.65	-131.36	-513.16	-513.14	-131.38	2.42
297	7	352	4.41	53.63	-76.07	-5.45	-16.99	-64.59	-140.30	-613.26	-611.40	-142.16	-29.60
		362	4.44	47.79	-83.20	-6.84	-28.57	-64.59	-150.58	-614.87	-612.67	-152.78	-31.89
		361	4.78	38.39	-91.05	-22.25	-30.42	-64.59	-150.42	-627.02	-623.38	-154.07	-41.51
		351	4.77	44.75	-84.45	-20.86	-18.84	-64.59	-140.26	-625.29	-622.10	-143.45	-39.22
297	13	352	1.40	-10.95	-28.34	-11.06	-28.23	1.38	199.49	-59.28	157.06	-16.84	-95.81
		362	1.34	-10.97	-28.52	-11.08	-28.41	1.38	181.02	-50.28	156.04	-25.30	-71.79
		361	1.83	-20.90	-29.83	-21.12	-29.61	1.38	289.45	-32.76	268.50	-11.80	-79.45
		351	1.92	-20.88	-29.66	-21.10	-29.43	1.38	304.31	-38.15	269.51	-3.35	-103.47
297	15	352	1.40	-10.95	-28.34	-11.06	-28.23	1.38	199.49	-59.28	157.06	-16.84	-95.81
		362	1.34	-10.97	-28.52	-11.08	-28.41	1.38	181.02	-50.28	156.04	-25.30	-71.79
		361	1.83	-20.90	-29.83	-21.12	-29.61	1.38	289.45	-32.76	268.50	-11.80	-79.45
		351	1.92	-20.88	-29.66	-21.10	-29.43	1.38	304.31	-38.15	269.51	-3.35	-103.47
298	4	353	3.10	29.97	-21.57	29.85	-21.45	2.47	-140.36	-473.13	-466.20	-147.30	47.53
		363	3.06	30.03	-21.11	29.91	-20.99	2.47	-159.25	-472.94	-468.20	-163.99	38.24
		362	3.29	31.52	-20.93	31.40	-20.81	2.47	-167.65	-513.22	-511.66	-169.20	23.12
		352	3.33	31.46	-21.39	31.35	-21.27	2.47	-149.60	-512.57	-509.66	-152.51	32.40
298	10	353	3.33	39.02	-13.38	8.60	17.05	25.86	475.75	-55.04	434.71	-13.99	-141.78
		363	3.13	40.88	-11.99	8.94	19.94	25.86	453.58	-48.67	433.01	-28.10	-99.53
		362	3.90	40.46	-12.58	8.04	19.84	25.86	650.11	-23.64	630.83	-4.37	-112.32
		352	4.06	38.59	-13.95	7.70	16.94	25.86	668.78	-26.51	632.52	9.75	-154.58
298	14	353	1.75	16.38	-22.92	16.30	-22.85	1.73	-114.51	-253.04	-253.04	-114.51	0.56
		363	1.72	16.39	-22.85	16.31	-22.77	1.73	-130.14	-254.97	-254.92	-130.18	2.32
		362	1.65	14.59	-23.06	14.51	-22.98	1.73	-128.00	-247.88	-246.69	-129.19	-11.88
		352	1.68	14.58	-23.14	14.51	-23.06	1.73	-112.12	-246.21	-244.81	-113.52	-13.64
298	16	353	1.54	14.11	-23.15	14.04	-23.08	1.60	-108.56	-218.00	-217.52	-109.05	-7.27
		363	1.50	14.11	-23.13	14.05	-23.07	1.60	-124.40	-219.52	-219.38	-124.55	-3.67
		362	1.38	11.77	-23.42	11.70	-23.35	1.60	-118.78	-206.27	-202.52	-122.52	-17.72
		352	1.42	11.77	-23.43	11.70	-23.36	1.60	-102.40	-205.29	-200.66	-107.03	-21.32
299	4	387	5.87	112.84	-91.13	-40.13	61.85	88.33	364.90	84.59	299.58	149.92	118.51
		336	5.87	112.84	-91.13	-40.13	61.85	88.33	364.90	84.59	299.58	149.92	118.51
		335	5.87	112.84	-91.13	-40.13	61.85	88.33	364.90	84.59	299.58	149.92	118.51
299	5	387	34.81	-10.45	-1177.30	-1133.99	-53.77	-220.61	65.92	-526.51	-207.58	-253.01	-295.34

		336	34.81	-10.45	-1177.30	-1133.99	-53.77	-220.61	65.92	-526.51	-207.58	-253.01	-295.34
		335	34.81	-10.45	-1177.30	-1133.99	-53.77	-220.61	65.92	-526.51	-207.58	-253.01	-295.34
299	14	387	3.92	55.93	-76.33	-50.20	29.80	52.66	137.16	-13.17	125.83	-1.84	-39.67
		336	3.92	55.93	-76.33	-50.20	29.80	52.66	137.16	-13.17	125.83	-1.84	-39.67
		335	3.92	55.93	-76.33	-50.20	29.80	52.66	137.16	-13.17	125.83	-1.84	-39.67
299	16	387	3.79	46.61	-74.03	-51.88	24.46	46.71	125.45	-55.71	96.88	-27.14	-66.04
		336	3.79	46.61	-74.03	-51.88	24.46	46.71	125.45	-55.71	96.88	-27.14	-66.04
		335	3.79	46.61	-74.03	-51.88	24.46	46.71	125.45	-55.71	96.88	-27.14	-66.04
300	4	319	7.64	120.83	-110.10	3.84	6.89	-115.45	570.47	165.08	312.11	423.44	-194.90
		336	7.64	120.83	-110.10	3.84	6.89	-115.45	570.47	165.08	312.11	423.44	-194.90
		387	7.64	120.83	-110.10	3.84	6.89	-115.45	570.47	165.08	312.11	423.44	-194.90
300	5	319	28.71	43.10	-969.41	-9.32	-916.99	-224.34	118.94	-569.18	-110.70	-339.54	324.48
		336	28.71	43.10	-969.41	-9.32	-916.99	-224.34	118.94	-569.18	-110.70	-339.54	324.48
		387	28.71	43.10	-969.41	-9.32	-916.99	-224.34	118.94	-569.18	-110.70	-339.54	324.48
300	13	319	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	140.31	-719.05	-218.13	-360.62	423.73
		336	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	140.31	-719.05	-218.13	-360.62	423.73
		387	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	140.31	-719.05	-218.13	-360.62	423.73
300	15	319	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	140.31	-719.05	-218.13	-360.62	423.73
		336	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	140.31	-719.05	-218.13	-360.62	423.73
		387	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	140.31	-719.05	-218.13	-360.62	423.73
301	1	319	7.19	-7.93	-116.61	-34.71	-89.84	-46.83	196.33	-1012.71	-218.23	-598.14	573.90
		387	7.97	-9.94	-131.49	-31.98	-109.46	-46.83	194.11	-1192.37	-302.86	-695.39	664.88
		367	7.02	-26.57	-127.80	-57.98	-96.39	-46.83	381.12	-849.49	107.14	-575.52	511.95
		317	6.31	-10.37	-106.98	-46.83	-70.52	-46.83	270.46	-748.44	2.94	-480.92	448.34
301	5	319	26.69	-93.69	-931.81	-184.94	-840.55	-261.07	78.53	-710.14	-51.15	-580.46	292.33
		387	43.59	-81.13	-1476.74	-131.80	-1426.07	-261.07	64.22	-839.98	-60.24	-715.52	311.53
		367	30.65	-592.77	-1179.66	-752.22	-1020.20	-261.07	-33.44	-662.60	-86.12	-609.91	174.28
		317	18.68	-80.72	-642.53	-465.31	-257.94	-261.07	48.60	-544.63	-54.64	-441.39	224.92
301	13	319	5.53	-6.10	-89.70	-26.70	-69.11	-36.02	151.02	-779.00	-167.87	-460.11	441.46
		387	6.13	-7.65	-101.15	-24.60	-84.20	-36.02	149.32	-917.21	-232.97	-534.92	511.44
		367	5.40	-20.44	-98.31	-44.60	-74.15	-36.02	293.17	-653.45	82.42	-442.71	393.81
		317	4.86	-7.98	-82.29	-36.02	-54.25	-36.02	208.05	-575.73	2.26	-369.94	344.88
301	15	319	5.53	-6.10	-89.70	-26.70	-69.11	-36.02	151.02	-779.00	-167.87	-460.11	441.46
		387	6.13	-7.65	-101.15	-24.60	-84.20	-36.02	149.32	-917.21	-232.97	-534.92	511.44
		367	5.40	-20.44	-98.31	-44.60	-74.15	-36.02	293.17	-653.45	82.42	-442.71	393.81
		317	4.86	-7.98	-82.29	-36.02	-54.25	-36.02	208.05	-575.73	2.26	-369.94	344.88
302	2	561	8.24	-77.97	-138.82	-77.97	-138.82	0.21	140.65	-1042.35	35.10	-936.80	-337.24
		407	8.24	-77.97	-138.82	-77.97	-138.82	0.21	140.65	-1042.35	35.10	-936.80	-337.24
		293	8.24	-77.97	-138.82	-77.97	-138.82	0.21	140.65	-1042.35	35.10	-936.80	-337.24
302	11	561	30.00	-294.62	-786.19	-302.44	-778.38	-61.48	-360.52	-2324.35	-361.27	-2323.60	-38.40
		407	30.00	-294.62	-786.19	-302.44	-778.38	-61.48	-360.52	-2324.35	-361.27	-2323.60	-38.40
		293	30.00	-294.62	-786.19	-302.44	-778.38	-61.48	-360.52	-2324.35	-361.27	-2323.60	-38.40
302	14	561	6.06	-56.31	-108.12	-57.31	-107.12	7.12	73.12	-766.82	3.66	-697.36	-231.34
		407	6.06	-56.31	-108.12	-57.31	-107.12	7.12	73.12	-766.82	3.66	-697.36	-231.34
		293	6.06	-56.31	-108.12	-57.31	-107.12	7.12	73.12	-766.82	3.66	-697.36	-231.34
302	16	561	5.96	-54.42	-109.09	-56.26	-107.26	9.86	59.37	-753.11	-5.53	-688.20	-220.27
		407	5.96	-54.42	-109.09	-56.26	-107.26	9.86	59.37	-753.11	-5.53	-688.20	-220.27
		293	5.96	-54.42	-109.09	-56.26	-107.26	9.86	59.37	-753.11	-5.53	-688.20	-220.27
303	1	358	6.58	-27.92	-80.71	-80.38	-28.24	4.14	1049.62	327.08	1048.35	328.35	-30.32
		369	6.58	-25.43	-80.39	-80.08	-25.74	4.14	1048.62	329.41	1048.49	329.54	-9.73
		368	7.31	-26.78	-91.28	-91.02	-27.05	4.14	1144.98	341.02	1144.89	341.11	-8.65
		357	7.31	-29.28	-91.59	-91.32	-29.55	4.14	1145.81	338.86	1144.75	339.92	-29.24
303	5	358	14.09	167.86	-334.20	-24.08	-142.25	243.98	186.42	-267.15	-226.51	145.77	-129.55
		369	13.22	248.26	-240.06	-5.38	13.58	243.98	147.06	-276.26	-231.70	102.50	-129.91
		368	13.76	281.43	-207.61	53.21	20.61	243.98	172.73	-303.82	-233.39	102.30	-169.13
		357	14.74	207.96	-308.67	34.51	-135.22	243.98	210.49	-293.12	-228.20	145.57	-168.77
303	13	358	5.06	-21.47	-62.08	-61.83	-21.73	3.18	807.40	251.60	806.42	252.58	-23.32
		369	5.06	-19.56	-61.84	-61.60	-19.80	3.18	806.63	253.39	806.53	253.50	-7.48
		368	5.62	-20.60	-70.22	-70.01	-20.81	3.18	880.76	262.32	880.68	262.39	-6.65
		357	5.62	-22.52	-70.46	-70.24	-22.73	3.18	881.39	260.66	880.57	261.48	-22.49
303	15	358	5.06	-21.47	-62.08	-61.83	-21.73	3.18	807.40	251.60	806.42	252.58	-23.32
		369	5.06	-19.56	-61.84	-61.60	-19.80	3.18	806.63	253.39	806.53	253.50	-7.48
		368	5.62	-20.60	-70.22	-70.01	-20.81	3.18	880.76	262.32	880.68	262.39	-6.65
		357	5.62	-22.52	-70.46	-70.24	-22.73	3.18	881.39	260.66	880.57	261.48	-22.49
304	1	359	5.51	-35.61	-63.28	-62.95	-35.95	3.04	913.18	253.35	909.89	256.64	-46.48
		370	5.49	-33.91	-63.06	-62.74	-34.23	3.04	911.55	265.62	911.03	266.14	-18.34
		369	6.57	-36.26	-81.57	-81.37	-36.46	3.04	1042.91	281.82	1042.78	281.95	-9.73
		358	6.58	-37.97	-81.79	-81.58	-38.19	3.04	1043.50	270.59	1041.64	272.45	-37.87
304	5	359	9.02	103.42	-222.37	-34.71	-84.24	161.00	91.20	-272.81	-260.58	78.97	-65.59
		370	8.54	140.76	-181.46	-26.32	-14.37	161.00	57.57	-275.64	-264.49	46.41	-59.95
		369	8.83	150.66	-171.37	-8.48	-12.23	161.00	75.13	-263.60	-238.05	49.58	-89.46
		358	9.32	114.79	-213.75	-16.87	-82.10	161.00	108.54	-260.54	-234.14	82.14	-95.10
304	13	359	4.24	-27.39	-48.68	-48.42	-27.66	2.34	702.45	194.89	699.92	197.42	-35.75
		370	4.22	-26.08	-48.51	-48.26	-26.33	2.34	701.20	204.32	700.80	204.72	-14.10
		369	5.05	-27.89	-62.75	-62.59	-28.05	2.34	802.24	216.79	802.14	216.88	-7.48
		358	5.06	-29.21	-62.91	-62.75	-29.37	2.34	802.69	208.15	801.26	209.58	-29.13
304	15	359	4.24	-27.39	-48.68	-48.42	-27.66	2.34	702.45	194.89	699.92	197.42	-35.75

		370	4.22	-26.08	-48.51	-48.26	-26.33	2.34	701.20	204.32	700.80	204.72	-14.10
		369	5.05	-27.89	-62.75	-62.59	-28.05	2.34	802.24	216.79	802.14	216.88	-7.48
		358	5.06	-29.21	-62.91	-62.75	-29.37	2.34	802.69	208.15	801.26	209.58	-29.13
305	1	360	4.18	-38.82	-45.11	-44.46	-39.47	1.91	714.33	143.53	707.08	150.78	-63.92
		371	4.14	-37.98	-44.92	-44.35	-38.55	1.91	708.59	154.68	707.66	155.62	-22.72
		370	5.50	-40.70	-63.69	-63.53	-40.86	1.91	901.01	178.30	900.55	178.76	-18.34
		359	5.53	-41.60	-63.81	-63.64	-41.77	1.91	904.82	169.07	899.97	173.92	-59.54
305	5	360	6.34	69.39	-162.36	-23.99	-68.97	113.67	-7.83	-329.32	-327.60	-9.55	-23.44
		371	5.94	87.98	-139.71	-19.58	-32.16	113.67	-31.76	-330.74	-330.32	-32.18	-11.22
		370	6.01	82.78	-144.61	-28.59	-33.24	113.67	-21.31	-277.09	-273.09	-25.31	-31.73
		359	6.39	63.64	-166.70	-33.01	-70.05	113.67	4.35	-277.41	-270.38	-2.68	-43.96
305	13	360	3.21	-29.86	-34.70	-34.20	-30.36	1.47	549.48	110.40	543.91	115.98	-49.17
		371	3.18	-29.22	-34.56	-34.12	-29.66	1.47	545.07	118.99	544.35	119.70	-17.48
		370	4.23	-31.31	-49.00	-48.87	-31.43	1.47	693.09	137.15	692.73	137.51	-14.10
		359	4.25	-32.00	-49.08	-48.96	-32.13	1.47	696.01	130.06	692.28	133.79	-45.80
305	15	360	3.21	-29.86	-34.70	-34.20	-30.36	1.47	549.48	110.40	543.91	115.98	-49.17
		371	3.18	-29.22	-34.56	-34.12	-29.66	1.47	545.07	118.99	544.35	119.70	-17.48
		370	4.23	-31.31	-49.00	-48.87	-31.43	1.47	693.09	137.15	692.73	137.51	-14.10
		359	4.25	-32.00	-49.08	-48.96	-32.13	1.47	696.01	130.06	692.28	133.79	-45.80
306	1	361	2.84	-27.87	-39.45	-27.97	-39.34	1.11	498.35	50.93	487.88	61.40	-67.63
		372	2.78	-27.83	-39.18	-27.94	-39.07	1.11	489.02	59.92	487.84	61.10	-22.45
		371	4.15	-40.76	-44.97	-44.66	-41.08	1.11	700.20	85.64	699.36	86.48	-22.72
		360	4.19	-41.01	-45.02	-44.69	-41.35	1.11	706.83	79.35	699.40	86.78	-67.90
306	10	361	4.57	47.80	-8.95	9.56	29.29	26.60	934.40	200.82	929.64	205.58	-58.89
		372	4.48	50.67	-7.38	10.03	33.26	26.60	930.34	207.65	929.94	208.05	-17.12
		371	5.40	53.44	-2.48	16.89	34.08	26.60	1125.78	231.28	1125.53	231.53	-14.87
		360	5.34	50.74	-4.21	16.41	30.12	26.60	1128.80	225.48	1125.23	229.05	-56.65
306	13	361	2.18	-21.43	-30.34	-21.52	-30.26	0.85	383.34	39.18	375.29	47.23	-52.02
		372	2.14	-21.41	-30.14	-21.49	-30.05	0.85	376.17	46.09	375.26	47.00	-17.27
		371	3.19	-31.35	-34.59	-34.35	-31.60	0.85	538.62	65.88	537.97	66.52	-17.48
		360	3.22	-31.55	-34.63	-34.38	-31.81	0.85	543.72	61.04	538.00	66.76	-52.23
306	15	361	2.18	-21.43	-30.34	-21.52	-30.26	0.85	383.34	39.18	375.29	47.23	-52.02
		372	2.14	-21.41	-30.14	-21.49	-30.05	0.85	376.17	46.09	375.26	47.00	-17.27
		371	3.19	-31.35	-34.59	-34.35	-31.60	0.85	538.62	65.88	537.97	66.52	-17.48
		360	3.22	-31.55	-34.63	-34.38	-31.81	0.85	543.72	61.04	538.00	66.76	-52.23
307	4	362	4.06	30.72	-20.61	30.67	-20.56	1.63	-163.50	-670.77	-670.67	-163.60	7.09
		373	4.05	30.79	-20.04	30.74	-19.99	1.63	-168.42	-671.28	-671.25	-168.45	3.84
		372	4.04	28.02	-20.37	27.97	-20.32	1.63	-170.28	-686.46	-686.46	-170.28	-0.56
		361	4.05	27.95	-20.94	27.90	-20.89	1.63	-165.41	-685.89	-685.88	-165.43	2.69
307	7	362	4.37	54.50	-83.68	-1.27	-27.90	-67.79	-143.75	-563.80	-560.97	-146.58	-34.35
		373	4.38	48.52	-92.33	-2.84	-40.96	-67.79	-146.77	-563.31	-561.25	-148.83	-29.27
		372	4.53	39.42	-98.64	-16.60	-42.61	-67.79	-143.50	-539.99	-537.50	-145.98	-31.32
		361	4.52	45.89	-90.48	-15.04	-29.55	-67.79	-140.39	-540.56	-537.23	-143.73	-36.39
307	13	362	1.48	-11.28	-28.45	-11.30	-28.43	0.49	229.31	-26.25	220.61	-17.55	-46.34
		373	1.45	-11.29	-28.49	-11.30	-28.47	0.49	221.12	-21.47	220.25	-20.60	-14.51
		372	2.14	-21.42	-29.72	-21.45	-29.69	0.49	370.10	-3.51	369.30	-2.71	-17.27
		361	2.17	-21.41	-29.68	-21.44	-29.65	0.49	376.08	-6.08	369.66	0.34	-49.10
307	15	362	1.48	-11.28	-28.45	-11.30	-28.43	0.49	229.31	-26.25	220.61	-17.55	-46.34
		373	1.45	-11.29	-28.49	-11.30	-28.47	0.49	221.12	-21.47	220.25	-20.60	-14.51
		372	2.14	-21.42	-29.72	-21.45	-29.69	0.49	370.10	-3.51	369.30	-2.71	-17.27
		361	2.17	-21.41	-29.68	-21.44	-29.65	0.49	376.08	-6.08	369.66	0.34	-49.10
308	4	363	3.71	29.41	-21.07	29.40	-21.05	0.86	-180.20	-613.94	-612.81	-181.34	22.18
		374	3.70	29.43	-20.88	29.42	-20.86	0.86	-187.03	-613.71	-613.51	-187.23	9.18
		373	4.01	30.67	-20.73	30.65	-20.72	0.86	-194.51	-674.41	-674.38	-194.54	3.84
		362	4.02	30.64	-20.92	30.63	-20.90	0.86	-188.06	-674.26	-673.67	-188.64	16.84
308	7	363	3.87	47.65	-68.31	7.94	-28.59	-55.03	-164.36	-546.53	-545.64	-165.25	-18.45
		374	3.92	43.96	-74.76	6.85	-37.65	-55.03	-171.61	-547.88	-546.56	-172.94	-22.26
		373	3.89	37.25	-78.61	-2.58	-38.78	-55.03	-172.89	-566.58	-564.39	-175.08	-29.23
		362	3.82	41.21	-72.42	-1.49	-29.72	-55.03	-165.76	-565.10	-563.47	-167.39	-25.42
308	14	363	2.04	15.94	-22.82	15.93	-22.82	0.60	-138.87	-327.30	-327.30	-138.87	-0.43
		374	2.03	15.95	-22.77	15.94	-22.76	0.60	-144.42	-327.98	-327.96	-144.43	1.55
		373	1.94	13.98	-23.01	13.97	-23.00	0.60	-143.25	-318.80	-318.73	-143.32	-3.50
		362	1.95	13.97	-23.06	13.96	-23.05	0.60	-137.59	-318.23	-318.07	-137.76	-5.47
308	16	363	1.77	13.69	-23.12	13.69	-23.11	0.56	-131.67	-279.83	-279.71	-131.79	-4.19
		374	1.76	13.70	-23.09	13.69	-23.08	0.56	-137.30	-280.37	-280.37	-137.30	0.27
		373	1.60	11.20	-23.39	11.19	-23.38	0.56	-134.61	-259.64	-259.46	-134.79	-4.72
		362	1.61	11.19	-23.42	11.19	-23.41	0.56	-128.63	-259.45	-258.80	-129.28	-9.19
309	2	317	10.91	65.06	-321.79	-73.90	-182.82	-185.60	176.36	-68.87	158.36	-50.88	-63.95
		367	10.91	65.06	-321.79	-73.90	-182.82	-185.60	176.36	-68.87	158.36	-50.88	-63.95
		344	10.91	65.06	-321.79	-73.90	-182.82	-185.60	176.36	-68.87	158.36	-50.88	-63.95
309	5	317	50.72	321.62	-1496.90	49.06	-1224.35	-649.12	-535.12	-901.88	-637.87	-799.12	-164.71
		367	50.72	321.62	-1496.90	49.06	-1224.35	-649.12	-535.12	-901.88	-637.87	-799.12	-164.71
		344	50.72	321.62	-1496.90	49.06	-1224.35	-649.12	-535.12	-901.88	-637.87	-799.12	-164.71
309	14	317	7.45	34.38	-225.57	-64.04	-127.15	-126.09	62.23	-169.39	61.77	-168.93	-10.28
		367	7.45	34.38	-225.57	-64.04	-127.15	-126.09	62.23	-169.39	61.77	-168.93	-10.28
		344	7.45	34.38	-225.57	-64.04	-127.15	-126.09	62.23	-169.39	61.77	-168.93	-10.28
309	16	317	7.10	28.28	-216.99	-66.87	-121.83	-119.52	38.22	-220.16	38.12	-220.06	5.04

		367	7.10	28.28	-216.99	-66.87	-121.83	-119.52	38.22	-220.16	38.12	-220.06	5.04
		344	7.10	28.28	-216.99	-66.87	-121.83	-119.52	38.22	-220.16	38.12	-220.06	5.04
310	4	172	9.62	255.95	11.98	255.82	12.11	-5.65	-14.52	-518.30	-510.13	-22.70	63.65
		475	9.62	255.83	10.96	255.70	11.09	-5.65	-9.86	-509.32	-508.67	-10.51	-18.03
		530	12.22	339.44	20.97	339.34	21.07	-5.65	-18.03	-583.25	-582.53	-18.75	-20.18
		567	12.21	339.57	22.10	339.47	22.20	-5.65	-23.45	-592.90	-584.15	-32.21	70.07
310	12	172	19.32	-16.79	-419.98	-418.94	-17.84	-20.50	1592.19	34.98	1574.85	52.33	-163.43
		475	19.40	-18.25	-420.16	-419.11	-19.30	-20.50	1579.26	34.49	1573.41	40.34	94.87
		530	24.54	-36.70	-570.85	-570.06	-37.49	-20.50	1813.64	61.30	1807.16	67.77	106.32
		567	24.47	-35.09	-570.65	-569.87	-35.87	-20.50	1827.12	62.65	1808.75	81.02	-179.08
310	13	172	6.88	-2.73	-73.26	-73.24	-2.75	1.40	1008.36	46.03	1002.01	52.39	-77.96
		475	6.85	-3.34	-73.34	-73.31	-3.37	1.40	1003.16	41.53	1000.97	43.72	45.84
		530	7.51	-3.97	-78.25	-78.22	-3.99	1.40	1115.42	54.27	1112.98	56.71	50.81
		567	7.53	-3.28	-78.16	-78.14	-3.31	1.40	1121.14	59.28	1114.13	66.29	-85.97
310	15	172	6.88	-2.73	-73.26	-73.24	-2.75	1.40	1008.36	46.03	1002.01	52.39	-77.96
		475	6.85	-3.34	-73.34	-73.31	-3.37	1.40	1003.16	41.53	1000.97	43.72	45.84
		530	7.51	-3.97	-78.25	-78.22	-3.99	1.40	1115.42	54.27	1112.98	56.71	50.81
		567	7.53	-3.28	-78.16	-78.14	-3.31	1.40	1121.14	59.28	1114.13	66.29	-85.97
311	2	315	13.31	24.81	-428.08	-98.87	-304.39	201.79	152.01	-362.35	-313.55	103.21	150.72
		344	13.31	24.81	-428.08	-98.87	-304.39	201.79	152.01	-362.35	-313.55	103.21	150.72
		354	13.31	24.81	-428.08	-98.87	-304.39	201.79	152.01	-362.35	-313.55	103.21	150.72
311	9	315	60.50	26.04	-1900.41	-604.95	-1269.43	904.11	-208.62	-1297.37	-605.84	-900.15	524.11
		344	60.50	26.04	-1900.41	-604.95	-1269.43	904.11	-208.62	-1297.37	-605.84	-900.15	524.11
		354	60.50	26.04	-1900.41	-604.95	-1269.43	904.11	-208.62	-1297.37	-605.84	-900.15	524.11
311	14	315	9.59	16.64	-306.16	-70.33	-219.18	143.22	87.91	-296.25	-259.47	51.12	113.04
		344	9.59	16.64	-306.16	-70.33	-219.18	143.22	87.91	-296.25	-259.47	51.12	113.04
		354	9.59	16.64	-306.16	-70.33	-219.18	143.22	87.91	-296.25	-259.47	51.12	113.04
311	16	315	9.33	15.68	-297.05	-68.08	-213.29	138.49	76.48	-303.15	-266.67	39.99	111.90
		344	9.33	15.68	-297.05	-68.08	-213.29	138.49	76.48	-303.15	-266.67	39.99	111.90
		354	9.33	15.68	-297.05	-68.08	-213.29	138.49	76.48	-303.15	-266.67	39.99	111.90
312	2	565	16.45	5.74	-286.21	-39.07	-241.40	105.24	166.28	-1590.84	-17.62	-1406.94	537.88
		561	16.45	5.74	-286.21	-39.07	-241.40	105.24	166.28	-1590.84	-17.62	-1406.94	537.88
		293	16.45	5.74	-286.21	-39.07	-241.40	105.24	166.28	-1590.84	-17.62	-1406.94	537.88
312	9	565	51.18	-45.90	-1404.64	-421.07	-1029.48	607.46	90.46	-2342.56	-567.69	-1684.41	1080.80
		561	51.18	-45.90	-1404.64	-421.07	-1029.48	607.46	90.46	-2342.56	-567.69	-1684.41	1080.80
		293	51.18	-45.90	-1404.64	-421.07	-1029.48	607.46	90.46	-2342.56	-567.69	-1684.41	1080.80
312	14	565	12.13	1.88	-214.24	-37.24	-175.11	83.22	115.50	-1171.45	-21.57	-1034.39	397.00
		561	12.13	1.88	-214.24	-37.24	-175.11	83.22	115.50	-1171.45	-21.57	-1034.39	397.00
		293	12.13	1.88	-214.24	-37.24	-175.11	83.22	115.50	-1171.45	-21.57	-1034.39	397.00
312	16	565	11.92	1.06	-212.07	-40.08	-170.94	84.11	110.62	-1150.87	-24.72	-1015.53	390.41
		561	11.92	1.06	-212.07	-40.08	-170.94	84.11	110.62	-1150.87	-24.72	-1015.53	390.41
		293	11.92	1.06	-212.07	-40.08	-170.94	84.11	110.62	-1150.87	-24.72	-1015.53	390.41
313	1	369	6.58	-25.43	-80.39	-80.08	-25.74	-4.14	1048.62	329.41	1048.49	329.54	9.73
		379	6.58	-27.92	-80.71	-80.38	-28.24	-4.14	1049.62	327.08	1048.35	328.35	30.32
		378	7.31	-29.28	-91.59	-91.32	-29.55	-4.14	1145.81	338.86	1144.75	339.92	29.24
		368	7.31	-26.78	-91.28	-91.02	-27.05	-4.14	1144.98	341.02	1144.89	341.11	8.65
313	7	369	13.22	248.26	-240.06	-5.38	13.58	-243.98	147.06	-276.26	-231.70	102.50	129.91
		379	14.09	167.86	-334.20	-24.08	-142.25	-243.98	186.42	-267.15	-226.51	145.77	129.55
		378	14.74	207.96	-308.67	34.51	-135.22	-243.98	210.49	-293.12	-228.20	145.57	168.77
		368	13.76	281.43	-207.61	53.21	20.61	-243.98	172.73	-303.82	-233.39	102.30	169.13
313	13	369	5.06	-19.56	-61.84	-61.60	-19.80	-3.18	806.63	253.39	806.53	253.50	7.48
		379	5.06	-21.47	-62.08	-61.83	-21.73	-3.18	807.40	251.60	806.42	252.58	23.32
		378	5.62	-22.52	-70.46	-70.24	-22.73	-3.18	881.39	260.66	880.57	261.48	22.49
		368	5.62	-20.60	-70.22	-70.01	-20.81	-3.18	880.76	262.32	880.68	262.39	6.65
313	15	369	5.06	-19.56	-61.84	-61.60	-19.80	-3.18	806.63	253.39	806.53	253.50	7.48
		379	5.06	-21.47	-62.08	-61.83	-21.73	-3.18	807.40	251.60	806.42	252.58	23.32
		378	5.62	-22.52	-70.46	-70.24	-22.73	-3.18	881.39	260.66	880.57	261.48	22.49
		368	5.62	-20.60	-70.22	-70.01	-20.81	-3.18	880.76	262.32	880.68	262.39	6.65
314	1	370	5.49	-33.91	-63.06	-62.74	-34.23	-3.04	911.55	265.62	911.03	266.14	18.34
		380	5.51	-35.61	-63.28	-62.95	-35.95	-3.04	913.18	253.35	909.89	256.64	46.48
		379	6.58	-37.97	-81.79	-81.58	-38.19	-3.04	1043.50	270.59	1041.64	272.45	37.87
		369	6.57	-36.26	-81.57	-81.37	-36.46	-3.04	1042.91	281.82	1042.78	281.95	9.73
314	7	370	8.54	140.76	-181.46	-26.32	-14.37	-161.00	57.57	-275.64	-264.49	46.41	59.95
		380	9.02	103.42	-222.37	-34.71	-84.24	-161.00	91.20	-272.81	-260.58	78.97	65.59
		379	9.32	114.79	-213.75	-16.87	-82.10	-161.00	108.54	-260.54	-234.14	82.14	95.10
		369	8.83	150.66	-171.37	-8.48	-12.23	-161.00	75.13	-263.60	-238.05	49.58	89.46
314	13	370	4.22	-26.08	-48.51	-48.26	-26.33	-2.34	701.20	204.32	700.79	204.72	14.10
		380	4.24	-27.39	-48.68	-48.42	-27.66	-2.34	702.45	194.89	699.92	197.42	35.75
		379	5.06	-29.21	-62.91	-62.75	-29.37	-2.34	802.69	208.15	801.26	209.58	29.13
		369	5.05	-27.89	-62.75	-62.59	-28.05	-2.34	802.24	216.79	802.14	216.88	7.48
314	15	370	4.22	-26.08	-48.51	-48.26	-26.33	-2.34	701.20	204.32	700.79	204.72	14.10
		380	4.24	-27.39	-48.68	-48.42	-27.66	-2.34	702.45	194.89	699.92	197.42	35.75
		379	5.06	-29.21	-62.91	-62.75	-29.37	-2.34	802.69	208.15	801.26	209.58	29.13
		369	5.05	-27.89	-62.75	-62.59	-28.05	-2.34	802.24	216.79	802.14	216.88	7.48
315	1	371	4.14	-37.98	-44.92	-44.35	-38.55	-1.91	708.59	154.68	707.66	155.62	22.72
		381	4.18	-38.82	-45.11	-44.46	-39.47	-1.91	714.33	143.53	707.08	150.78	63.92
		380	5.53	-41.60	-63.81	-63.64	-41.77	-1.91	904.82	169.07	899.97	173.92	59.54

		370	5.50	-40.70	-63.69	-63.53	-40.86	-1.91	901.01	178.30	900.55	178.76	18.34
315	7	371	5.94	87.98	-139.71	-19.58	-32.16	-113.67	-31.76	-330.74	-330.32	-32.18	11.22
		381	6.34	69.39	-162.36	-23.99	-68.97	-113.67	-7.83	-329.32	-327.60	-9.55	23.44
		380	6.39	63.64	-166.70	-33.01	-70.05	-113.67	4.35	-277.41	-270.38	-2.68	43.96
		370	6.01	82.78	-144.61	-28.59	-33.24	-113.67	-21.31	-277.09	-273.09	-25.31	31.73
315	13	371	3.18	-29.22	-34.56	-34.12	-29.66	-1.47	545.07	118.99	544.35	119.70	17.48
		381	3.21	-29.86	-34.70	-34.20	-30.36	-1.47	549.48	110.40	543.91	115.98	49.17
		380	4.25	-32.00	-49.08	-48.96	-32.13	-1.47	696.01	130.06	692.28	133.79	45.80
		370	4.23	-31.31	-49.00	-48.87	-31.43	-1.47	693.09	137.15	692.73	137.51	14.10
315	15	371	3.18	-29.22	-34.56	-34.12	-29.66	-1.47	545.07	118.99	544.35	119.70	17.48
		381	3.21	-29.86	-34.70	-34.20	-30.36	-1.47	549.48	110.40	543.91	115.98	49.17
		380	4.25	-32.00	-49.08	-48.96	-32.13	-1.47	696.01	130.06	692.28	133.79	45.80
		370	4.23	-31.31	-49.00	-48.87	-31.43	-1.47	693.09	137.15	692.73	137.51	14.10
316	1	372	2.78	-27.83	-39.18	-27.94	-39.07	-1.11	489.02	59.92	487.84	61.10	22.45
		382	2.84	-27.87	-39.45	-27.97	-39.34	-1.11	498.35	50.93	487.88	61.40	67.63
		381	4.19	-41.01	-45.02	-44.69	-41.35	-1.11	706.83	79.35	699.40	86.78	67.90
		371	4.15	-40.76	-44.97	-44.66	-41.08	-1.11	700.20	85.64	699.36	86.48	22.72
316	12	372	4.48	50.67	-7.38	10.03	33.26	-26.60	930.34	207.65	929.94	208.05	17.12
		382	4.57	47.80	-8.95	9.56	29.29	-26.60	934.40	200.82	929.64	205.58	58.89
		381	5.34	50.74	-4.21	16.41	30.12	-26.60	1128.80	225.48	1125.23	229.05	56.65
		371	5.40	53.44	-2.48	16.89	34.08	-26.60	1125.78	231.28	1125.53	231.53	14.87
316	13	372	2.14	-21.41	-30.14	-21.49	-30.05	-0.85	376.17	46.09	375.26	47.00	17.27
		382	2.18	-21.43	-30.34	-21.52	-30.26	-0.85	383.34	39.18	375.29	47.23	52.02
		381	3.22	-31.55	-34.63	-34.38	-31.81	-0.85	543.72	61.04	538.00	66.76	52.23
		371	3.19	-31.35	-34.59	-34.35	-31.60	-0.85	538.62	65.88	537.97	66.52	17.48
316	15	372	2.14	-21.41	-30.14	-21.49	-30.05	-0.85	376.17	46.09	375.26	47.00	17.27
		382	2.18	-21.43	-30.34	-21.52	-30.26	-0.85	383.34	39.18	375.29	47.23	52.02
		381	3.22	-31.55	-34.63	-34.38	-31.81	-0.85	543.72	61.04	538.00	66.76	52.23
		371	3.19	-31.35	-34.59	-34.35	-31.60	-0.85	538.62	65.88	537.97	66.52	17.48
317	4	373	4.05	30.79	-20.04	30.74	-19.99	-1.63	-168.42	-671.28	-671.25	-168.45	-3.84
		383	4.06	30.72	-20.61	30.67	-20.56	-1.63	-163.50	-670.77	-670.67	-163.60	-7.09
		382	4.05	27.95	-20.94	27.90	-20.89	-1.63	-165.41	-685.89	-685.88	-165.43	-2.69
		372	4.04	28.02	-20.37	27.97	-20.32	-1.63	-170.28	-686.46	-686.46	-170.28	0.56
317	5	373	4.38	48.52	-92.33	-2.84	-40.96	67.79	-146.77	-563.31	-561.25	-148.83	29.27
		383	4.37	54.50	-83.68	-1.27	-27.90	67.79	-143.75	-563.80	-560.97	-146.58	34.35
		382	4.52	45.89	-90.48	-15.04	-29.55	67.79	-140.39	-540.56	-537.23	-143.73	36.39
		372	4.53	39.42	-98.64	-16.60	-42.61	67.79	-143.50	-539.99	-537.50	-145.98	31.32
317	13	373	1.45	-11.29	-28.49	-11.30	-28.47	-0.49	221.12	-21.47	220.25	-20.60	14.51
		383	1.48	-11.28	-28.45	-11.30	-28.43	-0.49	229.31	-26.25	220.61	-17.55	46.34
		382	2.17	-21.41	-29.68	-21.44	-29.65	-0.49	376.08	-6.08	369.66	0.34	49.10
		372	2.14	-21.42	-29.72	-21.45	-29.69	-0.49	370.10	-3.51	369.30	-2.71	17.27
317	15	373	1.45	-11.29	-28.49	-11.30	-28.47	-0.49	221.12	-21.47	220.25	-20.60	14.51
		383	1.48	-11.28	-28.45	-11.30	-28.43	-0.49	229.31	-26.25	220.61	-17.55	46.34
		382	2.17	-21.41	-29.68	-21.44	-29.65	-0.49	376.08	-6.08	369.66	0.34	49.10
		372	2.14	-21.42	-29.72	-21.45	-29.69	-0.49	370.10	-3.51	369.30	-2.71	17.27
318	4	374	3.70	29.43	-20.88	29.42	-20.86	-0.86	-187.03	-613.71	-613.51	-187.23	-9.18
		384	3.71	29.41	-21.07	29.40	-21.05	-0.86	-180.20	-613.94	-612.81	-181.34	-22.18
		383	4.02	30.64	-20.92	30.63	-20.90	-0.86	-188.06	-674.26	-673.67	-188.64	-16.84
		373	4.01	30.67	-20.73	30.65	-20.72	-0.86	-194.51	-674.41	-674.38	-194.54	-3.84
318	5	374	3.92	43.96	-74.76	6.85	-37.65	55.03	-171.61	-547.88	-546.56	-172.94	22.26
		384	3.87	47.65	-68.31	7.94	-28.59	55.03	-164.36	-546.53	-545.64	-165.25	18.45
		383	3.82	41.21	-72.42	-1.49	-29.72	55.03	-165.76	-565.10	-563.47	-167.39	25.42
		373	3.89	37.25	-78.61	-2.58	-38.78	55.03	-172.89	-566.58	-564.39	-175.08	29.23
318	14	374	2.03	15.95	-22.77	15.94	-22.76	-0.60	-144.42	-327.98	-327.96	-144.43	-1.55
		384	2.04	15.94	-22.82	15.93	-22.82	-0.60	-138.87	-327.30	-327.30	-138.87	0.43
		383	1.95	13.97	-23.06	13.96	-23.05	-0.60	-137.59	-318.23	-318.07	-137.76	5.47
		373	1.94	13.98	-23.01	13.97	-23.00	-0.60	-143.25	-318.80	-318.73	-143.32	3.50
318	16	374	1.76	13.70	-23.09	13.69	-23.08	-0.56	-137.30	-280.37	-280.37	-137.30	-0.27
		384	1.77	13.69	-23.12	13.69	-23.11	-0.56	-131.67	-279.83	-279.71	-131.79	4.19
		383	1.61	11.19	-23.42	11.19	-23.41	-0.56	-128.63	-259.45	-258.80	-129.28	9.19
		373	1.60	11.20	-23.39	11.19	-23.38	-0.56	-134.61	-259.64	-259.46	-134.79	4.72
319	2	315	19.31	111.05	-449.24	44.51	-382.70	-181.26	-22.87	-972.79	-133.30	-862.36	-304.47
		354	19.31	111.05	-449.24	44.51	-382.70	-181.26	-22.87	-972.79	-133.30	-862.36	-304.47
		355	19.31	111.05	-449.24	44.51	-382.70	-181.26	-22.87	-972.79	-133.30	-862.36	-304.47
319	9	315	70.45	372.14	-1968.21	91.17	-1687.23	-760.68	-336.91	-2231.85	-1150.38	-1418.39	-937.94
		354	70.45	372.14	-1968.21	91.17	-1687.23	-760.68	-336.91	-2231.85	-1150.38	-1418.39	-937.94
		355	70.45	372.14	-1968.21	91.17	-1687.23	-760.68	-336.91	-2231.85	-1150.38	-1418.39	-937.94
319	14	315	13.70	71.56	-322.54	19.91	-270.89	-132.99	-50.58	-714.75	-132.52	-632.81	-218.43
		354	13.70	71.56	-322.54	19.91	-270.89	-132.99	-50.58	-714.75	-132.52	-632.81	-218.43
		355	13.70	71.56	-322.54	19.91	-270.89	-132.99	-50.58	-714.75	-132.52	-632.81	-218.43
319	16	315	13.25	66.18	-313.55	14.26	-261.63	-130.46	-63.52	-701.59	-144.33	-620.78	-212.21
		354	13.25	66.18	-313.55	14.26	-261.63	-130.46	-63.52	-701.59	-144.33	-620.78	-212.21
		355	13.25	66.18	-313.55	14.26	-261.63	-130.46	-63.52	-701.59	-144.33	-620.78	-212.21
320	2	315	8.24	-77.97	-138.82	-137.28	-79.51	9.56	140.65	-1042.35	-1016.94	115.24	-171.51
		355	8.24	-77.97	-138.82	-137.28	-79.51	9.56	140.65	-1042.35	-1016.94	115.24	-171.51
		197	8.24	-77.97	-138.82	-137.28	-79.51	9.56	140.65	-1042.35	-1016.94	115.24	-171.51
320	9	315	30.00	-294.62	-786.19	-785.75	-295.06	14.66	-360.52	-2324.35	-2287.89	-396.99	265.10

		355	30.00	-294.62	-786.19	-785.75	-295.06	14.66	-360.52	-2324.35	-2287.89	-396.99	265.10
		197	30.00	-294.62	-786.19	-785.75	-295.06	14.66	-360.52	-2324.35	-2287.89	-396.99	265.10
320	14	315	6.06	-56.31	-108.12	-103.73	-60.70	14.43	73.12	-766.82	-751.51	57.81	-112.38
		355	6.06	-56.31	-108.12	-103.73	-60.70	14.43	73.12	-766.82	-751.51	57.81	-112.38
		197	6.06	-56.31	-108.12	-103.73	-60.70	14.43	73.12	-766.82	-751.51	57.81	-112.38
320	16	315	5.96	-54.42	-109.09	-102.99	-60.52	17.22	59.38	-753.11	-739.39	45.66	-104.67
		355	5.96	-54.42	-109.09	-102.99	-60.52	17.22	59.38	-753.11	-739.39	45.66	-104.67
		197	5.96	-54.42	-109.09	-102.99	-60.52	17.22	59.38	-753.11	-739.39	45.66	-104.67
321	2	197	16.45	5.74	-286.21	-33.22	-247.25	99.28	166.28	-1590.83	-162.17	-1262.39	685.01
		355	16.45	5.74	-286.21	-33.22	-247.25	99.28	166.28	-1590.83	-162.17	-1262.39	685.01
		366	16.45	5.74	-286.21	-33.22	-247.25	99.28	166.28	-1590.83	-162.17	-1262.39	685.01
321	11	197	51.18	-45.90	-1404.64	-112.52	-1338.02	293.38	90.46	-2342.56	-35.52	-2216.58	539.11
		355	51.18	-45.90	-1404.64	-112.52	-1338.02	293.38	90.46	-2342.56	-35.52	-2216.58	539.11
		366	51.18	-45.90	-1404.64	-112.52	-1338.02	293.38	90.46	-2342.56	-35.52	-2216.58	539.11
321	14	197	12.13	1.88	-214.24	-21.75	-190.60	67.45	115.50	-1171.45	-122.06	-933.89	499.29
		355	12.13	1.88	-214.24	-21.75	-190.60	67.45	115.50	-1171.45	-122.06	-933.89	499.29
		366	12.13	1.88	-214.24	-21.75	-190.60	67.45	115.50	-1171.45	-122.06	-933.89	499.29
321	16	197	11.92	1.06	-212.07	-20.25	-190.77	63.93	110.62	-1150.87	-121.00	-919.25	488.40
		355	11.92	1.06	-212.07	-20.25	-190.77	63.93	110.62	-1150.87	-121.00	-919.25	488.40
		366	11.92	1.06	-212.07	-20.25	-190.77	63.93	110.62	-1150.87	-121.00	-919.25	488.40
322	2	565	13.45	52.18	-138.16	-4.79	-81.19	-87.16	257.63	-1634.10	-101.33	-1275.14	-741.76
		293	13.45	52.18	-138.16	-4.79	-81.19	-87.16	257.63	-1634.10	-101.33	-1275.14	-741.76
		282	13.45	52.18	-138.16	-4.79	-81.19	-87.16	257.63	-1634.10	-101.33	-1275.14	-741.76
322	11	565	35.95	123.51	-730.17	-63.02	-543.65	-352.76	-224.96	-2859.92	-559.19	-2525.68	-876.92
		293	35.95	123.51	-730.17	-63.02	-543.65	-352.76	-224.96	-2859.92	-559.19	-2525.68	-876.92
		282	35.95	123.51	-730.17	-63.02	-543.65	-352.76	-224.96	-2859.92	-559.19	-2525.68	-876.92
322	14	565	9.91	34.17	-101.82	-3.36	-64.29	-60.79	185.50	-1216.71	-83.68	-947.53	-552.26
		293	9.91	34.17	-101.82	-3.36	-64.29	-60.79	185.50	-1216.71	-83.68	-947.53	-552.26
		282	9.91	34.17	-101.82	-3.36	-64.29	-60.79	185.50	-1216.71	-83.68	-947.53	-552.26
322	16	565	9.73	31.87	-100.12	-3.23	-65.01	-58.32	180.52	-1200.85	-85.94	-934.39	-545.05
		293	9.73	31.87	-100.12	-3.23	-65.01	-58.32	180.52	-1200.85	-85.94	-934.39	-545.05
		282	9.73	31.87	-100.12	-3.23	-65.01	-58.32	180.52	-1200.85	-85.94	-934.39	-545.05
323	1	379	5.44	-25.34	-81.47	-78.76	-28.05	-12.03	793.22	293.92	789.82	297.33	41.08
		390	5.43	-32.23	-82.68	-79.63	-35.29	-12.03	794.99	317.47	792.53	319.93	34.17
		389	5.60	-34.08	-93.37	-90.82	-36.63	-12.03	766.82	309.42	760.19	316.05	54.66
		378	5.62	-27.09	-92.26	-89.95	-29.39	-12.03	765.51	285.42	757.48	293.45	61.57
323	7	379	12.30	156.31	-277.32	16.38	-137.40	-202.72	206.90	-166.00	-117.90	158.80	124.99
		390	13.64	119.16	-353.38	4.25	-238.47	-202.72	226.39	-150.09	-114.11	190.40	110.70
		389	14.79	189.96	-326.31	91.64	-227.99	-202.72	229.65	-228.29	-181.01	182.37	139.34
		378	13.39	221.66	-244.81	103.77	-126.91	-202.72	210.48	-244.51	-184.80	150.78	153.63
323	13	379	4.19	-19.49	-62.67	-60.58	-21.58	-9.25	610.17	226.10	607.56	228.71	31.60
		390	4.18	-24.80	-63.60	-61.25	-27.14	-9.25	611.53	244.21	609.64	246.10	26.28
		389	4.31	-26.22	-71.83	-69.86	-28.18	-9.25	589.86	238.02	584.76	243.11	42.04
		378	4.32	-20.84	-70.97	-69.20	-22.61	-9.25	588.85	219.55	582.67	225.73	47.36
323	15	379	4.19	-19.49	-62.67	-60.58	-21.58	-9.25	610.17	226.10	607.56	228.71	31.60
		390	4.18	-24.80	-63.60	-61.25	-27.14	-9.25	611.53	244.21	609.64	246.10	26.28
		389	4.31	-26.22	-71.83	-69.86	-28.18	-9.25	589.86	238.02	584.76	243.11	42.04
		378	4.32	-20.84	-70.97	-69.20	-22.61	-9.25	588.85	219.55	582.67	225.73	47.36
324	1	380	4.54	-33.07	-64.13	-61.43	-35.77	-8.75	688.49	214.44	674.53	228.40	80.15
		391	4.59	-37.94	-65.25	-62.07	-41.11	-8.75	691.80	172.18	670.36	193.62	103.35
		390	5.46	-41.38	-82.55	-80.59	-43.33	-8.75	787.82	197.77	778.94	206.65	71.82
		379	5.43	-36.24	-81.70	-79.95	-37.99	-8.75	787.44	237.10	783.11	241.43	48.63
324	7	380	8.78	114.66	-202.99	-7.37	-80.96	-154.50	120.59	-129.92	-106.76	97.43	72.57
		391	9.60	84.96	-252.61	-15.87	-151.78	-154.50	136.75	-123.87	-104.38	117.26	68.56
		390	9.96	108.24	-241.20	15.10	-148.06	-154.50	143.13	-151.28	-123.15	115.00	86.53
		379	9.11	135.70	-189.34	23.60	-77.24	-154.50	127.57	-157.92	-125.53	95.18	90.54
324	13	380	3.49	-25.44	-49.33	-47.26	-27.52	-6.73	529.61	164.95	518.87	175.69	61.66
		391	3.53	-29.18	-50.19	-47.75	-31.62	-6.73	532.15	132.45	515.66	148.94	79.50
		390	4.20	-31.83	-63.50	-61.99	-33.33	-6.73	606.01	152.13	599.18	158.96	55.25
		379	4.17	-27.88	-62.85	-61.50	-29.22	-6.73	605.73	182.38	602.40	185.71	37.41
324	15	380	3.49	-25.44	-49.33	-47.26	-27.52	-6.73	529.61	164.95	518.87	175.69	61.66
		391	3.53	-29.18	-50.19	-47.75	-31.62	-6.73	532.15	132.45	515.66	148.94	79.50
		390	4.20	-31.83	-63.50	-61.99	-33.33	-6.73	606.01	152.13	599.18	158.96	55.25
		379	4.17	-27.88	-62.85	-61.50	-29.22	-6.73	605.73	182.38	602.40	185.71	37.41
325	1	381	3.49	-35.77	-47.25	-43.65	-39.37	-5.33	547.66	103.25	522.30	128.60	103.08
		392	3.58	-37.46	-48.32	-43.95	-41.83	-5.33	561.17	77.55	521.00	117.72	133.47
		391	4.59	-42.62	-63.86	-62.43	-44.05	-5.33	690.78	107.31	663.30	134.79	123.61
		380	4.52	-40.29	-63.43	-62.13	-41.59	-5.33	680.84	129.44	664.60	145.68	93.21
325	7	381	6.27	76.78	-154.48	-10.36	-67.34	-112.07	19.17	-159.45	-151.83	11.54	36.11
		392	6.77	60.88	-180.67	-14.87	-104.92	-112.07	38.03	-160.00	-149.86	27.90	43.65
		391	6.88	64.29	-178.83	-10.18	-104.35	-112.07	52.58	-135.05	-114.60	32.13	58.47
		380	6.38	79.94	-152.38	-5.67	-66.77	-112.07	33.11	-133.89	-116.56	15.78	50.93
325	13	381	2.68	-27.51	-36.35	-33.58	-30.28	-4.10	421.28	79.42	401.77	98.93	79.29
		392	2.76	-28.81	-37.17	-33.80	-32.18	-4.10	431.67	59.65	400.77	90.55	102.67
		391	3.53	-32.78	-49.12	-48.02	-33.89	-4.10	531.37	82.55	510.23	103.69	95.08
		380	3.48	-30.99	-48.79	-47.79	-31.99	-4.10	523.72	99.57	511.23	112.06	71.70
325	15	381	2.68	-27.51	-36.35	-33.58	-30.28	-4.10	421.28	79.42	401.77	98.93	79.29

		392	2.76	-28.81	-37.17	-33.80	-32.18	-4.10	431.67	59.65	400.77	90.55	102.67
		391	3.53	-32.78	-49.12	-48.02	-33.89	-4.10	531.37	82.55	510.23	103.69	95.08
		380	3.48	-30.99	-48.79	-47.79	-31.99	-4.10	523.72	99.57	511.23	112.06	71.70
326	1	382	2.44	-26.77	-40.07	-27.55	-39.29	-3.12	389.69	12.29	356.36	45.62	107.08
		393	2.58	-26.90	-40.77	-27.64	-40.02	-3.12	410.72	-8.77	356.36	45.59	140.88
		392	3.56	-39.69	-46.25	-43.96	-41.98	-3.12	555.08	24.13	514.62	64.58	140.86
		381	3.46	-39.17	-45.95	-43.88	-41.25	-3.12	538.80	40.44	514.63	64.61	107.06
326	5	382	5.25	54.76	-98.92	-21.33	-22.83	76.83	-121.59	-623.50	-619.91	-125.18	42.29
		393	5.32	63.00	-91.07	-19.61	-8.46	76.83	-121.16	-624.49	-619.97	-125.68	47.48
		392	5.57	53.39	-102.80	-38.67	-10.74	76.83	-118.13	-600.29	-595.66	-122.76	47.03
		381	5.50	44.46	-109.97	-40.39	-25.12	76.83	-118.59	-599.27	-595.60	-122.26	41.84
326	13	382	1.88	-20.59	-30.82	-21.19	-30.22	-2.40	299.76	9.46	274.13	35.09	82.37
		393	1.98	-20.69	-31.36	-21.26	-30.79	-2.40	315.94	-6.74	274.12	35.07	108.37
		392	2.74	-30.53	-35.58	-33.82	-32.29	-2.40	426.98	18.56	395.86	49.68	108.35
		381	2.66	-30.13	-35.35	-33.75	-31.73	-2.40	414.46	31.11	395.87	49.70	82.35
326	15	382	1.88	-20.59	-30.82	-21.19	-30.22	-2.40	299.76	9.46	274.13	35.09	82.37
		393	1.98	-20.69	-31.36	-21.26	-30.79	-2.40	315.94	-6.74	274.12	35.07	108.37
		392	2.74	-30.53	-35.58	-33.82	-32.29	-2.40	426.98	18.56	395.86	49.68	108.35
		381	2.66	-30.13	-35.35	-33.75	-31.73	-2.40	414.46	31.11	395.87	49.70	82.35
327	4	383	3.33	31.86	-20.88	31.45	-20.46	-4.65	-143.67	-509.15	-508.66	-144.16	-13.36
		394	3.37	31.66	-22.43	31.26	-22.02	-4.65	-130.07	-507.61	-507.04	-130.64	-14.67
		393	3.34	29.32	-22.73	28.91	-22.31	-4.65	-131.36	-513.16	-513.14	-131.38	-2.42
		382	3.30	29.52	-21.18	29.09	-20.75	-4.65	-144.89	-514.77	-514.76	-144.89	-1.11
327	5	383	4.44	47.79	-83.20	-6.84	-28.57	64.59	-150.58	-614.87	-612.67	-152.78	31.89
		394	4.41	53.63	-76.07	-5.45	-16.99	64.59	-140.30	-613.26	-611.40	-142.16	29.60
		393	4.77	44.75	-84.45	-20.86	-18.84	64.59	-140.26	-625.29	-622.10	-143.45	39.22
		382	4.78	38.39	-91.05	-22.25	-30.42	64.59	-150.42	-627.02	-623.38	-154.07	41.51
327	13	383	1.34	-10.97	-28.52	-11.08	-28.41	-1.38	181.02	-50.28	156.04	-25.30	71.79
		394	1.40	-10.95	-28.34	-11.06	-28.23	-1.38	199.49	-59.28	157.06	-16.84	95.81
		393	1.92	-20.88	-29.66	-21.10	-29.43	-1.38	304.31	-38.15	269.51	-3.35	103.47
		382	1.83	-20.90	-29.83	-21.12	-29.61	-1.38	289.45	-32.76	268.50	-11.80	79.45
327	15	383	1.34	-10.97	-28.52	-11.08	-28.41	-1.38	181.02	-50.28	156.04	-25.30	71.79
		394	1.40	-10.95	-28.34	-11.06	-28.23	-1.38	199.49	-59.28	157.06	-16.84	95.81
		393	1.92	-20.88	-29.66	-21.10	-29.43	-1.38	304.31	-38.15	269.51	-3.35	103.47
		382	1.83	-20.90	-29.83	-21.12	-29.61	-1.38	289.45	-32.76	268.50	-11.80	79.45
328	4	384	3.06	30.03	-21.11	29.91	-20.99	-2.47	-159.25	-472.94	-468.20	-163.99	-38.24
		395	3.10	29.97	-21.57	29.85	-21.45	-2.47	-140.36	-473.13	-466.20	-147.30	-47.53
		394	3.33	31.46	-21.39	31.35	-21.27	-2.47	-149.60	-512.57	-509.66	-152.51	-32.40
		383	3.29	31.52	-20.93	31.40	-20.81	-2.47	-167.65	-513.22	-511.66	-169.20	-23.12
328	12	384	3.13	40.88	-11.99	8.94	19.94	-25.86	453.58	-48.67	433.01	-28.10	99.53
		395	3.33	39.02	-13.38	8.60	17.05	-25.86	475.75	-55.04	434.71	-13.99	141.78
		394	4.06	38.59	-13.95	7.70	16.94	-25.86	668.78	-26.51	632.52	9.75	154.58
		383	3.90	40.46	-12.58	8.04	19.84	-25.86	650.11	-23.64	630.83	-4.37	112.32
328	14	384	1.72	16.39	-22.85	16.31	-22.77	-1.73	-130.14	-254.97	-254.92	-130.18	-2.32
		395	1.75	16.38	-22.92	16.30	-22.85	-1.73	-114.51	-253.04	-253.04	-114.51	-0.56
		394	1.68	14.58	-23.14	14.51	-23.06	-1.73	-112.12	-246.21	-244.81	-113.52	13.64
		383	1.65	14.59	-23.06	14.51	-22.98	-1.73	-128.00	-247.88	-246.69	-129.19	11.88
328	16	384	1.50	14.11	-23.13	14.05	-23.07	-1.60	-124.40	-219.52	-219.38	-124.55	3.67
		395	1.54	14.11	-23.15	14.04	-23.08	-1.60	-108.56	-218.00	-217.52	-109.05	7.27
		394	1.42	11.77	-23.43	11.70	-23.36	-1.60	-102.40	-205.29	-200.66	-107.03	21.32
		383	1.38	11.77	-23.42	11.70	-23.35	-1.60	-118.78	-206.27	-202.52	-122.52	17.72
329	2	197	13.45	52.18	-138.16	43.76	-129.74	39.13	257.63	-1634.10	244.40	-1620.87	157.67
		366	13.45	52.18	-138.16	43.76	-129.74	39.13	257.63	-1634.10	244.40	-1620.87	157.67
		217	13.45	52.18	-138.16	43.76	-129.74	39.13	257.63	-1634.10	244.40	-1620.87	157.67
329	9	197	35.95	123.51	-730.17	111.39	-718.06	100.97	-224.96	-2859.92	-224.98	-2859.90	-7.45
		366	35.95	123.51	-730.17	111.39	-718.06	100.97	-224.96	-2859.92	-224.98	-2859.90	-7.45
		217	35.95	123.51	-730.17	111.39	-718.06	100.97	-224.96	-2859.92	-224.98	-2859.90	-7.45
329	14	197	9.91	34.17	-101.82	29.51	-97.16	24.73	185.50	-1216.71	175.03	-1206.23	120.77
		366	9.91	34.17	-101.82	29.51	-97.16	24.73	185.50	-1216.71	175.03	-1206.23	120.77
		217	9.91	34.17	-101.82	29.51	-97.16	24.73	185.50	-1216.71	175.03	-1206.23	120.77
329	16	197	9.73	31.87	-100.12	27.88	-96.12	22.61	180.52	-1200.85	169.91	-1190.24	120.56
		366	9.73	31.87	-100.12	27.88	-96.12	22.61	180.52	-1200.85	169.91	-1190.24	120.56
		217	9.73	31.87	-100.12	27.88	-96.12	22.61	180.52	-1200.85	169.91	-1190.24	120.56
330	2	366	18.62	-6.06	-307.29	-119.08	-194.27	-145.85	95.36	-1979.95	-617.34	-1267.25	-985.46
		376	16.08	15.77	-282.66	-164.98	-101.91	-145.85	-322.06	-1811.25	-864.59	-1268.72	-716.65
		228	13.47	132.81	-160.58	1.88	-29.65	-145.85	80.72	-1417.46	-166.80	-1169.94	-556.38
		217	18.51	20.05	-290.96	-81.50	-189.41	-145.85	207.20	-1909.37	-454.55	-1247.61	-981.19
330	7	366	45.05	-250.28	-1253.56	-814.42	-689.43	-497.73	900.79	-2152.69	-790.19	-461.71	-1517.88
		376	55.44	282.72	-1550.25	-1403.31	135.79	-497.73	-483.53	-2258.85	-1329.97	-1412.41	-886.71
		228	37.33	1237.64	208.57	592.68	853.53	-497.73	361.40	-2298.14	-188.42	-1748.33	-1077.01
		217	42.25	19.55	-1012.13	-360.80	-631.78	-497.73	1149.41	-2090.79	-510.10	-431.27	-1619.62
330	14	366	14.00	-10.80	-233.69	-100.81	-143.69	-109.36	79.68	-1490.46	-454.93	-955.85	-744.04
		376	12.19	8.22	-219.79	-137.99	-73.58	-109.36	-231.93	-1365.69	-638.97	-958.65	-543.88
		228	10.10	98.30	-120.81	-4.72	-17.79	-109.36	69.29	-1075.66	-120.26	-886.11	-425.55
		217	13.89	9.41	-219.96	-70.74	-139.81	-109.36	163.29	-1438.45	-333.90	-941.26	-741.06
330	16	366	13.87	-13.11	-232.75	-104.44	-141.42	-108.25	82.17	-1477.63	-447.07	-948.39	-738.53
		376	12.13	6.85	-220.90	-142.36	-71.69	-108.25	-225.68	-1354.84	-628.68	-951.83	-540.97

		228	9.99	96.86	-119.82	-7.15	-15.81	-108.25	72.12	-1069.87	-117.09	-880.65	-424.59
		217	13.75	7.12	-218.52	-73.91	-137.49	-108.25	164.84	-1426.52	-327.69	-933.99	-735.66
331	1	228	9.68	1.29	-214.22	-73.84	-139.10	-102.70	-450.16	-925.42	-542.58	-833.00	-188.10
		376	9.68	1.29	-214.22	-73.84	-139.10	-102.70	-450.16	-925.42	-542.58	-833.00	-188.10
		386	9.68	1.29	-214.22	-73.84	-139.10	-102.70	-450.16	-925.42	-542.58	-833.00	-188.10
331	7	228	49.77	16.01	-1596.90	-43.99	-1536.90	-305.25	-917.59	-1728.56	-1437.71	-1208.44	-388.95
		376	49.77	16.01	-1596.90	-43.99	-1536.90	-305.25	-917.59	-1728.56	-1437.71	-1208.44	-388.95
		386	49.77	16.01	-1596.90	-43.99	-1536.90	-305.25	-917.59	-1728.56	-1437.71	-1208.44	-388.95
331	13	228	7.45	0.99	-164.79	-56.80	-107.00	-79.00	-346.28	-711.86	-417.37	-640.77	-144.69
		376	7.45	0.99	-164.79	-56.80	-107.00	-79.00	-346.28	-711.86	-417.37	-640.77	-144.69
		386	7.45	0.99	-164.79	-56.80	-107.00	-79.00	-346.28	-711.86	-417.37	-640.77	-144.69
331	15	228	7.45	0.99	-164.79	-56.80	-107.00	-79.00	-346.28	-711.86	-417.37	-640.77	-144.69
		376	7.45	0.99	-164.79	-56.80	-107.00	-79.00	-346.28	-711.86	-417.37	-640.77	-144.69
		386	7.45	0.99	-164.79	-56.80	-107.00	-79.00	-346.28	-711.86	-417.37	-640.77	-144.69
332	2	385	13.31	24.81	-428.08	-396.68	-6.59	115.04	152.01	-362.35	-10.32	-200.02	239.05
		188	13.31	24.81	-428.08	-396.68	-6.59	115.04	152.01	-362.35	-10.32	-200.02	239.05
		407	13.31	24.81	-428.08	-396.68	-6.59	115.04	152.01	-362.35	-10.32	-200.02	239.05
332	11	385	60.50	26.04	-1900.41	-1702.97	-171.41	584.29	-208.62	-1297.37	-1158.58	-347.41	363.11
		188	60.50	26.04	-1900.41	-1702.97	-171.41	584.29	-208.62	-1297.37	-1158.58	-347.41	363.11
		407	60.50	26.04	-1900.41	-1702.97	-171.41	584.29	-208.62	-1297.37	-1158.58	-347.41	363.11
332	14	385	9.59	16.64	-306.16	-284.45	-5.07	80.85	87.91	-296.25	-33.87	-174.47	178.75
		188	9.59	16.64	-306.16	-284.45	-5.07	80.85	87.91	-296.25	-33.87	-174.47	178.75
		407	9.59	16.64	-306.16	-284.45	-5.07	80.85	87.91	-296.25	-33.87	-174.47	178.75
332	16	385	9.33	15.68	-297.05	-276.30	-5.07	77.84	76.48	-303.15	-44.08	-182.59	176.73
		188	9.33	15.68	-297.05	-276.30	-5.07	77.84	76.48	-303.15	-44.08	-182.59	176.73
		407	9.33	15.68	-297.05	-276.30	-5.07	77.84	76.48	-303.15	-44.08	-182.59	176.73
333	4	390	2.17	52.98	-13.14	41.69	-1.85	-24.88	20.18	-87.13	-44.75	-22.21	52.46
		401	2.71	45.12	-44.11	37.53	-36.53	-24.88	55.95	-77.32	-39.87	18.50	59.90
		400	3.86	97.49	-34.78	92.64	-29.92	-24.88	106.63	-88.95	-5.00	22.69	96.80
		389	3.36	103.09	-1.54	96.80	4.76	-24.88	75.49	-103.40	-9.89	-18.02	89.36
333	7	390	11.83	113.25	-301.71	45.11	-233.57	-153.73	253.25	-3.88	40.43	208.95	97.10
		401	13.31	92.31	-376.47	34.86	-319.01	-153.73	232.40	28.18	41.63	218.96	50.64
		400	14.02	111.97	-371.55	56.80	-316.38	-153.73	202.29	-185.32	-175.88	192.86	59.72
		389	12.54	132.15	-296.03	67.05	-230.94	-153.73	211.83	-206.07	-177.09	182.85	106.18
333	13	390	2.51	-20.68	-64.51	-58.39	-26.80	-15.19	230.84	137.70	174.64	193.90	45.56
		401	2.50	-31.31	-67.97	-59.90	-39.38	-15.19	191.65	92.53	165.60	118.58	43.63
		400	2.44	-33.71	-74.98	-68.30	-40.39	-15.19	168.48	105.59	156.58	117.50	-24.64
		389	2.45	-22.59	-72.02	-66.80	-27.81	-15.19	205.69	152.75	165.62	192.82	-22.71
333	15	390	2.51	-20.68	-64.51	-58.39	-26.80	-15.19	230.84	137.70	174.64	193.90	45.56
		401	2.50	-31.31	-67.97	-59.90	-39.38	-15.19	191.65	92.53	165.60	118.58	43.63
		400	2.44	-33.71	-74.98	-68.30	-40.39	-15.19	168.48	105.59	156.58	117.50	-24.64
		389	2.45	-22.59	-72.02	-66.80	-27.81	-15.19	205.69	152.75	165.62	192.82	-22.71
334	1	391	2.87	-34.31	-65.93	-59.45	-40.80	-12.77	288.89	46.35	198.28	136.97	117.33
		402	2.92	-40.33	-68.50	-60.37	-48.47	-12.77	282.20	27.77	195.57	114.41	120.57
		401	3.21	-45.51	-82.84	-77.79	-50.56	-12.77	274.19	52.77	210.73	116.23	100.12
		390	3.17	-38.62	-81.13	-76.87	-42.89	-12.77	279.94	72.29	213.44	138.79	96.88
334	7	391	8.32	72.72	-220.69	1.70	-149.67	-125.67	182.89	34.99	78.66	139.22	67.46
		402	9.07	57.87	-259.22	-4.02	-197.33	-125.67	178.47	46.18	79.38	145.27	57.36
		401	9.63	103.84	-244.42	50.24	-190.82	-125.67	168.53	3.16	32.10	139.59	62.84
		390	8.84	116.73	-203.93	55.96	-143.16	-125.67	171.51	-6.59	31.38	133.55	72.94
334	13	391	2.21	-26.39	-50.72	-45.73	-31.38	-9.82	222.22	35.66	152.52	105.36	90.25
		402	2.24	-31.03	-52.70	-46.44	-37.28	-9.82	217.08	21.36	150.44	88.01	92.75
		401	2.47	-35.01	-63.72	-59.84	-38.89	-9.82	210.91	40.59	162.10	89.41	77.01
		390	2.44	-29.71	-62.41	-59.13	-32.99	-9.82	215.34	55.61	164.18	106.76	74.52
334	15	391	2.21	-26.39	-50.72	-45.73	-31.38	-9.82	222.22	35.66	152.52	105.36	90.25
		402	2.24	-31.03	-52.70	-46.44	-37.28	-9.82	217.08	21.36	150.44	88.01	92.75
		401	2.47	-35.01	-63.72	-59.84	-38.89	-9.82	210.91	40.59	162.10	89.41	77.01
		390	2.44	-29.71	-62.41	-59.13	-32.99	-9.82	215.34	55.61	164.18	106.76	74.52
335	1	392	2.47	-34.28	-49.83	-42.46	-41.66	-7.76	271.87	-48.87	149.82	73.18	155.72
		403	2.52	-36.22	-51.92	-42.89	-45.25	-7.76	271.48	-70.88	147.42	53.18	164.56
		402	2.83	-43.69	-63.88	-60.23	-47.33	-7.76	283.83	-36.87	188.82	58.14	146.43
		391	2.78	-40.60	-62.94	-59.80	-43.74	-7.76	283.44	-14.07	191.22	78.15	137.59
335	7	392	6.30	62.54	-166.36	-0.62	-103.21	-102.31	111.93	6.30	64.60	53.63	52.53
		403	6.84	50.38	-194.24	-4.91	-138.95	-102.31	115.55	8.66	65.24	58.97	53.35
		402	6.91	56.83	-191.72	3.10	-137.99	-102.31	122.64	5.87	69.08	59.43	58.19
		391	6.37	68.65	-163.50	7.39	-102.25	-102.31	119.08	3.45	68.44	54.09	57.37
335	13	392	1.90	-26.37	-38.33	-32.66	-32.04	-5.97	209.13	-37.59	115.25	56.29	119.79
		403	1.94	-27.86	-39.94	-32.99	-34.81	-5.97	208.83	-54.52	113.40	40.90	126.59
		402	2.17	-33.61	-49.13	-46.33	-36.41	-5.97	218.33	-28.36	145.24	44.73	112.64
		391	2.14	-31.23	-48.41	-46.00	-33.64	-5.97	218.03	-10.83	147.09	60.11	105.84
335	15	392	1.90	-26.37	-38.33	-32.66	-32.04	-5.97	209.13	-37.59	115.25	56.29	119.79
		403	1.94	-27.86	-39.94	-32.99	-34.81	-5.97	208.83	-54.52	113.40	40.90	126.59
		402	2.17	-33.61	-49.13	-46.33	-36.41	-5.97	218.33	-28.36	145.24	44.73	112.64
		391	2.14	-31.23	-48.41	-46.00	-33.64	-5.97	218.03	-10.83	147.09	60.11	105.84
336	1	393	2.02	-25.49	-41.37	-26.92	-39.94	-4.54	223.56	-112.68	96.47	14.41	163.04
		404	2.10	-25.67	-42.20	-27.03	-40.84	-4.54	233.34	-122.37	96.48	14.49	173.07
		403	2.40	-38.10	-47.19	-42.58	-42.70	-4.54	265.59	-102.01	143.45	20.13	173.14

		392	2.34	-37.58	-46.69	-42.47	-41.80	-4.54	256.13	-92.65	143.44	20.04	163.11
336	5	393	5.19	52.42	-86.23	-24.74	-9.07	68.88	-126.94	-662.13	-658.74	-130.33	42.45
		404	5.20	58.65	-81.27	-23.54	0.92	68.88	-119.64	-660.05	-657.74	-121.95	35.24
		403	5.74	49.77	-94.11	-42.94	-1.40	68.88	-122.78	-694.73	-691.50	-126.00	42.84
		392	5.72	43.03	-98.57	-44.14	-11.40	68.88	-129.93	-696.96	-692.51	-134.38	50.05
336	13	393	1.56	-19.61	-31.82	-20.71	-30.72	-3.50	171.97	-86.68	74.21	11.08	125.41
		404	1.61	-19.75	-32.46	-20.79	-31.41	-3.50	179.49	-94.13	74.21	11.15	133.13
		403	1.85	-29.30	-36.30	-32.75	-32.85	-3.50	204.30	-78.47	110.35	15.48	133.19
		392	1.80	-28.91	-35.92	-32.67	-32.16	-3.50	197.03	-71.27	110.34	15.42	125.47
336	15	393	1.56	-19.61	-31.82	-20.71	-30.72	-3.50	171.97	-86.68	74.21	11.08	125.41
		404	1.61	-19.75	-32.46	-20.79	-31.41	-3.50	179.49	-94.13	74.21	11.15	133.13
		403	1.85	-29.30	-36.30	-32.75	-32.85	-3.50	204.30	-78.47	110.35	15.48	133.19
		392	1.80	-28.91	-35.92	-32.67	-32.16	-3.50	197.03	-71.27	110.34	15.42	125.47
337	2	394	1.95	30.38	-31.26	29.44	-30.31	-7.58	-96.99	-171.77	-168.08	-100.68	16.19
		405	2.05	30.12	-33.18	29.20	-32.26	-7.58	-73.38	-169.99	-165.36	-78.01	20.64
		404	1.91	25.66	-33.78	24.68	-32.80	-7.58	-56.29	-163.75	-144.52	-75.51	41.18
		393	1.81	25.92	-31.87	24.91	-30.86	-7.58	-78.54	-166.88	-147.24	-98.18	36.73
337	5	394	4.20	46.30	-74.20	-10.33	-17.58	60.14	-139.29	-594.15	-593.44	-140.01	18.02
		405	4.14	51.77	-68.52	-9.13	-7.61	60.14	-122.14	-591.33	-591.30	-122.17	3.61
		404	4.76	43.48	-77.77	-24.79	-9.49	60.14	-129.52	-659.48	-658.74	-130.26	19.79
		393	4.80	37.51	-82.95	-25.99	-19.46	60.14	-145.83	-663.15	-660.88	-148.10	34.19
337	13	394	1.23	-10.45	-28.42	-10.69	-28.18	-2.05	115.62	-114.56	32.82	-31.75	110.47
		405	1.26	-10.39	-27.97	-10.63	-27.72	-2.05	128.20	-114.72	34.15	-20.67	118.32
		404	1.47	-20.02	-29.38	-20.49	-28.91	-2.05	162.90	-108.23	70.93	-16.26	128.37
		393	1.40	-20.09	-29.82	-20.55	-29.37	-2.05	151.02	-108.77	69.60	-27.34	120.51
337	15	394	1.23	-10.45	-28.42	-10.69	-28.18	-2.05	115.62	-114.56	32.82	-31.75	110.47
		405	1.26	-10.39	-27.97	-10.63	-27.72	-2.05	128.20	-114.72	34.15	-20.67	118.32
		404	1.47	-20.02	-29.38	-20.49	-28.91	-2.05	162.90	-108.23	70.93	-16.26	128.37
		393	1.40	-20.09	-29.82	-20.55	-29.37	-2.05	151.02	-108.77	69.60	-27.34	120.51
338	4	395	1.78	31.08	-21.61	30.80	-21.34	-3.78	-77.79	-205.72	-171.57	-111.94	-56.59
		406	1.83	31.02	-22.04	30.75	-21.76	-3.78	-57.09	-199.35	-168.67	-87.77	-58.51
		405	1.90	32.94	-21.80	32.68	-21.53	-3.78	-75.71	-190.79	-177.65	-88.85	-36.60
		394	1.85	33.00	-21.37	32.73	-21.10	-3.78	-98.38	-195.19	-180.55	-113.02	-34.68
338	12	395	3.57	46.08	-18.00	10.77	17.31	-31.88	427.46	-91.14	359.35	-23.03	175.16
		406	3.75	44.17	-19.69	10.38	14.10	-31.88	455.14	-95.84	361.81	-2.52	206.67
		405	4.25	43.19	-20.78	8.53	13.88	-31.88	596.61	-72.09	509.33	15.19	225.26
		394	4.09	45.14	-19.14	8.92	17.09	-31.88	571.91	-70.37	506.87	-5.33	193.76
338	13	395	1.20	-3.65	-24.94	-3.69	-24.90	-0.94	51.10	-123.93	0.45	-73.29	79.37
		406	1.13	-3.53	-23.97	-3.57	-23.93	-0.94	64.52	-115.13	2.83	-53.43	85.31
		405	1.22	-10.21	-24.79	-10.27	-24.73	-0.94	101.16	-120.64	30.62	-50.10	103.30
		394	1.27	-10.33	-25.76	-10.39	-25.71	-0.94	88.18	-129.90	28.24	-69.95	97.37
338	15	395	1.20	-3.65	-24.94	-3.69	-24.90	-0.94	51.10	-123.93	0.45	-73.29	79.37
		406	1.13	-3.53	-23.97	-3.57	-23.93	-0.94	64.52	-115.13	2.83	-53.43	85.31
		405	1.22	-10.21	-24.79	-10.27	-24.73	-0.94	101.16	-120.64	30.62	-50.10	103.30
		394	1.27	-10.33	-25.76	-10.39	-25.71	-0.94	88.18	-129.90	28.24	-69.95	97.37
339	4	336	5.43	145.99	-38.42	0.95	106.62	75.57	166.95	-26.46	100.88	39.61	91.73
		334	5.43	145.99	-38.42	0.95	106.62	75.57	166.95	-26.46	100.88	39.61	91.73
		396	5.43	145.99	-38.42	0.95	106.62	75.57	166.95	-26.46	100.88	39.61	91.73
339	5	336	20.28	32.22	-644.19	-643.19	31.22	26.01	192.79	-338.49	109.55	-255.25	-193.12
		334	20.28	32.22	-644.19	-643.19	31.22	26.01	192.79	-338.49	109.55	-255.25	-193.12
		396	20.28	32.22	-644.19	-643.19	31.22	26.01	192.79	-338.49	109.55	-255.25	-193.12
339	14	336	2.97	67.02	-39.00	-23.71	51.73	37.25	135.91	17.60	135.68	17.82	5.19
		334	2.97	67.02	-39.00	-23.71	51.73	37.25	135.91	17.60	135.68	17.82	5.19
		396	2.97	67.02	-39.00	-23.71	51.73	37.25	135.91	17.60	135.68	17.82	5.19
339	16	336	2.80	54.20	-39.43	-27.81	42.58	30.87	142.15	13.53	141.48	14.19	-9.23
		334	2.80	54.20	-39.43	-27.81	42.58	30.87	142.15	13.53	141.48	14.19	-9.23
		396	2.80	54.20	-39.43	-27.81	42.58	30.87	142.15	13.53	141.48	14.19	-9.23
340	4	356	5.87	112.84	-91.13	101.87	-80.16	-46.02	364.90	84.59	338.93	110.56	81.28
		398	5.87	112.84	-91.13	101.87	-80.16	-46.02	364.90	84.59	338.93	110.56	81.28
		191	5.87	112.84	-91.13	101.87	-80.16	-46.02	364.90	84.59	338.93	110.56	81.28
340	7	356	34.81	-10.45	-1177.31	-784.25	-403.51	-551.50	65.92	-526.51	-526.44	65.85	6.33
		398	34.81	-10.45	-1177.31	-784.25	-403.51	-551.50	65.92	-526.51	-526.44	65.85	6.33
		191	34.81	-10.45	-1177.31	-784.25	-403.51	-551.50	65.92	-526.51	-526.44	65.85	6.33
340	14	356	3.92	55.93	-76.33	44.59	-64.99	-37.03	137.16	-13.17	18.85	105.14	61.54
		398	3.92	55.93	-76.33	44.59	-64.99	-37.03	137.16	-13.17	18.85	105.14	61.54
		191	3.92	55.93	-76.33	44.59	-64.99	-37.03	137.16	-13.17	18.85	105.14	61.54
340	16	356	3.79	46.61	-74.03	35.04	-62.46	-35.53	125.45	-55.71	-34.50	104.24	58.25
		398	3.79	46.61	-74.03	35.04	-62.46	-35.53	125.45	-55.71	-34.50	104.24	58.25
		191	3.79	46.61	-74.03	35.04	-62.46	-35.53	125.45	-55.71	-34.50	104.24	58.25
341	1	389	3.21	-21.94	-93.31	-54.75	-60.50	35.57	210.36	203.62	206.62	207.36	-3.35
		400	3.21	-21.94	-93.31	-54.75	-60.50	35.57	210.36	203.62	206.62	207.36	-3.35
		397	3.21	-21.94	-93.31	-54.75	-60.50	35.57	210.36	203.62	206.62	207.36	-3.35
341	7	389	15.51	91.34	-430.32	-421.82	82.84	-66.04	235.77	-192.12	217.79	-174.14	85.86
		400	15.51	91.34	-430.32	-421.82	82.84	-66.04	235.77	-192.12	217.79	-174.14	85.86
		397	15.51	91.34	-430.32	-421.82	82.84	-66.04	235.77	-192.12	217.79	-174.14	85.86
341	13	389	2.47	-16.88	-71.78	-42.11	-46.54	27.36	161.82	156.63	158.94	159.51	-2.58
		400	2.47	-16.88	-71.78	-42.11	-46.54	27.36	161.82	156.63	158.94	159.51	-2.58

		397	2.47	-16.88	-71.78	-42.11	-46.54	27.36	161.82	156.63	158.94	159.51	-2.58
341	15	389	2.47	-16.88	-71.78	-42.11	-46.54	27.36	161.82	156.63	158.94	159.51	-2.58
		400	2.47	-16.88	-71.78	-42.11	-46.54	27.36	161.82	156.63	158.94	159.51	-2.58
		397	2.47	-16.88	-71.78	-42.11	-46.54	27.36	161.82	156.63	158.94	159.51	-2.58
342	4	400	5.61	78.93	-48.24	77.34	-46.66	14.09	551.64	47.98	537.29	62.33	83.78
		411	6.02	74.08	-85.56	72.83	-84.31	14.09	556.79	108.51	544.33	120.97	73.69
		409	6.76	107.97	-81.27	106.92	-80.22	14.09	535.38	77.00	497.08	115.30	126.85
		398	6.38	112.72	-43.85	111.44	-42.57	14.09	529.69	17.01	490.04	56.66	136.94
342	11	400	13.69	103.80	-359.04	103.04	-358.29	18.69	465.11	166.01	176.45	454.68	-54.88
		411	17.07	88.47	-485.36	87.86	-484.75	18.69	512.27	111.80	175.69	448.38	-146.65
		409	19.76	189.66	-473.13	189.13	-472.60	18.69	430.73	-287.85	-253.95	396.82	-152.36
		398	16.64	204.94	-346.77	204.31	-346.14	18.69	408.67	-258.74	-253.19	403.12	-60.59
342	13	400	4.59	-27.31	-76.26	-64.40	-39.17	-20.97	191.94	-543.31	-541.97	190.61	-31.30
		411	4.35	-44.22	-86.36	-67.30	-63.29	-20.97	58.99	-561.47	-558.16	55.68	-45.21
		409	4.62	-32.94	-76.69	-48.59	-61.04	-20.97	87.35	-662.73	-623.25	47.87	-167.51
		398	4.81	-19.88	-62.74	-45.70	-36.92	-20.97	211.62	-635.88	-607.05	182.80	-153.61
342	15	400	4.59	-27.31	-76.26	-64.40	-39.17	-20.97	191.94	-543.31	-541.97	190.61	-31.30
		411	4.35	-44.22	-86.36	-67.30	-63.29	-20.97	58.99	-561.47	-558.16	55.68	-45.21
		409	4.62	-32.94	-76.69	-48.59	-61.04	-20.97	87.35	-662.73	-623.25	47.87	-167.51
		398	4.81	-19.88	-62.74	-45.70	-36.92	-20.97	211.62	-635.88	-607.05	182.80	-153.61
343	4	401	3.91	46.96	-40.62	42.29	-35.96	-19.66	493.64	64.57	477.61	80.60	81.36
		412	4.44	42.30	-69.28	38.72	-65.70	-19.66	496.21	42.17	475.49	62.90	94.77
		411	5.64	78.36	-64.04	75.59	-61.27	-19.66	551.15	57.54	538.26	70.43	78.72
		400	5.18	82.55	-34.93	79.16	-31.54	-19.66	549.63	78.89	540.39	88.13	65.32
343	11	401	9.43	24.10	-272.63	13.34	-261.87	-55.49	410.42	265.71	267.04	409.09	-13.81
		412	11.52	10.97	-360.73	2.49	-352.25	-55.49	367.14	249.39	260.65	355.88	-34.62
		411	12.81	112.06	-346.74	105.24	-339.92	-55.49	376.38	130.99	163.19	344.18	-82.85
		400	10.77	124.33	-257.77	116.09	-249.54	-55.49	413.19	153.78	169.57	397.39	-62.04
343	13	401	3.67	-28.84	-65.95	-55.89	-38.90	-16.50	41.15	-490.16	-489.03	40.02	24.45
		412	3.64	-37.88	-71.35	-57.44	-51.80	-16.50	28.79	-490.56	-490.40	28.63	9.07
		411	4.20	-41.67	-77.21	-66.04	-52.83	-16.50	19.99	-562.45	-562.44	19.99	-1.26
		400	4.24	-31.64	-72.78	-64.49	-39.93	-16.50	31.71	-561.41	-561.08	31.38	14.13
343	15	401	3.67	-28.84	-65.95	-55.89	-38.90	-16.50	41.15	-490.16	-489.03	40.02	24.45
		412	3.64	-37.88	-71.35	-57.44	-51.80	-16.50	28.79	-490.56	-490.40	28.63	9.07
		411	4.20	-41.67	-77.21	-66.04	-52.83	-16.50	19.99	-562.45	-562.44	19.99	-1.26
		400	4.24	-31.64	-72.78	-64.49	-39.93	-16.50	31.71	-561.41	-561.08	31.38	14.13
344	1	402	3.79	-37.32	-67.78	-57.03	-48.07	-14.56	49.54	-557.69	-534.91	26.75	115.39
		413	3.76	-43.36	-72.48	-58.18	-57.66	-14.56	-1.59	-556.25	-540.23	-17.61	92.88
		412	4.64	-50.43	-82.82	-73.73	-59.52	-14.56	-25.78	-650.09	-645.62	-30.25	52.68
		401	4.68	-42.81	-79.70	-72.58	-49.93	-14.56	22.63	-648.82	-640.29	14.11	75.19
344	6	402	8.15	147.43	-72.08	-54.39	129.74	59.75	-210.28	-847.34	-841.20	-216.42	62.26
		413	8.31	153.41	-70.86	-53.62	136.16	59.75	-203.43	-849.65	-840.71	-212.37	75.47
		412	8.95	146.48	-107.20	-92.24	131.53	59.75	-194.24	-789.62	-778.91	-204.95	79.14
		401	8.79	140.40	-108.31	-93.01	125.10	59.75	-201.48	-786.92	-779.39	-209.00	65.94
344	13	402	2.92	-28.71	-52.14	-43.87	-36.97	-11.20	38.10	-428.99	-411.47	20.58	88.76
		413	2.89	-33.35	-55.75	-44.75	-44.35	-11.20	-1.22	-427.88	-415.56	-13.54	71.45
		412	3.57	-38.79	-63.71	-56.71	-45.79	-11.20	-19.83	-500.07	-496.63	-23.27	40.52
		401	3.60	-32.93	-61.31	-55.83	-38.41	-11.20	17.41	-499.09	-492.53	10.85	57.84
344	15	402	2.92	-28.71	-52.14	-43.87	-36.97	-11.20	38.10	-428.99	-411.47	20.58	88.76
		413	2.89	-33.35	-55.75	-44.75	-44.35	-11.20	-1.22	-427.88	-415.56	-13.54	71.45
		412	3.57	-38.79	-63.71	-56.71	-45.79	-11.20	-19.83	-500.07	-496.63	-23.27	40.52
		401	3.60	-32.93	-61.31	-55.83	-38.41	-11.20	17.41	-499.09	-492.53	10.85	57.84
345	1	403	2.90	-34.21	-51.88	-41.05	-45.03	-8.61	39.59	-463.36	-410.05	-13.72	154.82
		414	2.85	-35.82	-54.54	-41.51	-48.84	-8.61	9.43	-449.96	-411.85	-28.68	126.71
		413	3.79	-44.83	-63.27	-57.35	-50.75	-8.61	-20.02	-567.91	-543.45	-44.48	113.15
		402	3.84	-41.97	-61.86	-56.89	-46.93	-8.61	6.86	-578.03	-541.66	-29.51	141.26
345	6	403	6.65	102.97	-65.66	-37.69	75.01	62.72	-161.73	-768.45	-763.03	-167.15	57.08
		414	6.83	116.72	-61.57	-35.78	90.93	62.72	-152.64	-764.45	-761.63	-155.45	41.43
		413	7.67	111.16	-82.45	-59.39	88.09	62.72	-160.24	-838.95	-834.94	-164.25	52.02
		402	7.50	97.02	-86.14	-61.30	72.18	62.72	-169.08	-843.21	-836.34	-175.94	67.68
345	13	403	2.23	-26.31	-39.91	-31.58	-34.64	-6.62	30.45	-356.43	-315.43	-10.56	119.09
		414	2.19	-27.55	-41.95	-31.93	-37.57	-6.62	7.25	-346.12	-316.81	-22.06	97.47
		413	2.92	-34.48	-48.67	-44.12	-39.04	-6.62	-15.40	-436.86	-418.04	-34.21	87.04
		402	2.95	-32.28	-47.58	-43.76	-36.10	-6.62	5.28	-444.64	-416.66	-22.70	108.66
345	15	403	2.23	-26.31	-39.91	-31.58	-34.64	-6.62	30.45	-356.43	-315.43	-10.56	119.09
		414	2.19	-27.55	-41.95	-31.93	-37.57	-6.62	7.25	-346.12	-316.81	-22.06	97.47
		413	2.92	-34.48	-48.67	-44.12	-39.04	-6.62	-15.40	-436.86	-418.04	-34.21	87.04
		402	2.95	-32.28	-47.58	-43.76	-36.10	-6.62	5.28	-444.64	-416.66	-22.70	108.66
346	4	404	3.16	36.11	-27.92	33.30	-25.11	-13.12	361.68	2.37	360.24	3.81	22.67
		415	3.20	35.18	-33.66	32.58	-31.06	-13.12	364.25	16.40	362.02	18.63	27.78
		414	3.26	33.70	-33.89	31.05	-31.24	-13.12	390.51	16.90	385.91	21.50	41.21
		403	3.21	34.64	-28.17	31.76	-25.29	-13.12	387.55	3.25	384.13	6.67	36.11
346	6	404	5.30	74.94	-56.62	-27.42	45.75	54.67	-107.04	-633.49	-629.53	-111.01	45.54
		415	5.34	85.08	-52.86	-25.93	58.15	54.67	-101.68	-629.10	-628.48	-102.30	18.07
		414	6.18	81.16	-64.60	-39.92	56.48	54.67	-116.68	-758.16	-757.10	-117.73	25.96
		403	6.12	70.72	-68.06	-41.40	44.07	54.67	-121.95	-762.64	-758.15	-126.44	53.43
346	13	404	1.70	-18.94	-32.56	-20.16	-31.34	-3.89	38.72	-283.01	-220.12	-24.18	127.59

		415	1.62	-19.05	-33.05	-20.23	-31.86	-3.89	20.83	-267.47	-220.37	-26.27	106.58
		414	2.24	-28.31	-36.30	-31.41	-33.21	-3.89	-3.32	-353.47	-318.73	-38.07	104.68
		403	2.30	-28.06	-35.96	-31.34	-32.68	-3.89	11.85	-366.30	-318.48	-35.98	125.69
346	15	404	1.70	-18.94	-32.56	-20.16	-31.34	-3.89	38.72	-283.01	-220.12	-24.18	127.59
		415	1.62	-19.05	-33.05	-20.23	-31.86	-3.89	20.83	-267.47	-220.37	-26.27	106.58
		414	2.24	-28.31	-36.30	-31.41	-33.21	-3.89	-3.32	-353.47	-318.73	-38.07	104.68
		403	2.30	-28.06	-35.96	-31.34	-32.68	-3.89	11.85	-366.30	-318.48	-35.98	125.69
347	4	405	3.07	35.23	-24.88	34.09	-23.74	-8.20	331.68	-11.36	331.31	-10.98	-11.32
		416	3.04	34.97	-26.75	33.86	-25.64	-8.20	333.77	8.71	333.68	8.80	-5.44
		415	3.13	34.34	-26.84	33.22	-25.72	-8.20	361.68	11.66	361.24	12.11	12.50
		404	3.15	34.60	-24.96	33.45	-23.81	-8.20	358.98	-7.80	358.86	-7.68	6.61
347	6	405	3.84	54.64	-42.73	-15.36	27.27	43.77	-73.76	-477.17	-475.08	-75.85	28.99
		416	3.80	61.28	-39.66	-14.32	35.94	43.77	-64.92	-473.80	-473.77	-64.95	-3.57
		415	4.75	56.62	-51.23	-28.81	34.20	43.77	-83.17	-626.27	-626.19	-83.24	6.31
		404	4.77	49.63	-53.95	-29.85	25.53	43.77	-91.32	-630.32	-627.50	-94.14	38.87
347	13	405	1.38	-9.92	-27.99	-10.23	-27.67	-2.35	33.89	-214.92	-139.51	-41.51	114.35
		416	1.28	-9.79	-27.05	-10.12	-26.72	-2.35	24.81	-195.37	-138.39	-32.16	96.43
		415	1.64	-19.12	-28.51	-19.75	-27.88	-2.35	5.98	-270.50	-222.29	-42.23	104.90
		404	1.73	-19.28	-29.41	-19.86	-28.83	-2.35	12.40	-287.39	-223.41	-51.58	122.82
347	15	405	1.38	-9.92	-27.99	-10.23	-27.67	-2.35	33.89	-214.92	-139.51	-41.51	114.35
		416	1.28	-9.79	-27.05	-10.12	-26.72	-2.35	24.81	-195.37	-138.39	-32.16	96.43
		415	1.64	-19.12	-28.51	-19.75	-27.88	-2.35	5.98	-270.50	-222.29	-42.23	104.90
		404	1.73	-19.28	-29.41	-19.86	-28.83	-2.35	12.40	-287.39	-223.41	-51.58	122.82
348	4	406	2.89	32.38	-22.02	31.98	-21.62	-4.64	297.80	-42.31	288.41	-32.92	-55.74
		417	2.80	32.39	-21.90	31.99	-21.50	-4.64	298.62	-15.12	291.41	-7.91	-47.01
		416	3.00	34.77	-21.60	34.39	-21.22	-4.64	334.02	-4.76	332.26	-3.00	-24.34
		405	3.08	34.76	-21.71	34.37	-21.33	-4.64	332.30	-31.05	329.26	-28.02	-33.07
348	12	406	3.96	51.63	-24.10	13.11	14.43	-37.86	381.89	-142.62	254.65	-15.38	224.83
		417	4.02	49.51	-26.23	12.65	10.63	-37.86	399.10	-136.68	257.13	5.29	236.45
		416	4.27	47.70	-28.02	9.44	10.24	-37.86	457.63	-134.25	311.55	11.82	255.19
		405	4.22	49.88	-25.95	9.89	14.04	-37.86	440.96	-140.73	309.07	-8.85	243.56
348	14	406	1.80	18.19	-22.78	17.93	-22.52	-3.24	140.65	-45.15	140.65	-45.15	-0.65
		417	1.71	18.28	-22.03	18.02	-21.77	-3.24	143.37	-22.50	143.37	-22.49	-0.71
		416	1.67	17.04	-22.19	16.77	-21.92	-3.24	145.40	-24.87	143.06	-22.53	19.82
		405	1.77	16.94	-22.94	16.68	-22.67	-3.24	142.45	-47.29	140.34	-45.18	19.89
348	16	406	1.64	15.82	-22.91	15.59	-22.67	-3.01	116.47	-47.63	116.02	-47.19	8.54
		417	1.55	15.93	-22.05	15.69	-21.81	-3.01	119.03	-25.26	118.69	-24.92	7.01
		416	1.48	14.08	-22.29	13.83	-22.04	-3.01	116.71	-30.97	111.52	-25.78	27.18
		405	1.57	13.97	-23.14	13.73	-22.90	-3.01	113.94	-53.14	108.85	-48.05	28.72
349	2	407	8.66	-22.60	-137.28	-39.83	-120.05	-40.98	294.02	-987.34	294.02	-987.34	2.74
		418	6.49	78.95	-35.35	-18.03	61.63	-40.98	337.45	-646.09	335.23	-643.87	-46.68
		304	6.58	95.82	7.59	35.38	68.04	-40.98	185.58	-753.33	103.87	-671.63	264.65
		293	8.61	25.63	-125.70	13.58	-113.64	-40.98	147.50	-1099.94	62.65	-1015.10	314.06
349	11	407	26.46	-189.91	-732.54	-209.12	-713.33	-100.27	-793.94	-2109.72	-928.62	-1975.03	398.84
		418	10.27	24.89	-193.98	-128.40	-40.69	-100.27	-615.12	-1649.37	-860.14	-1404.35	439.75
		304	14.80	189.84	-59.25	139.17	-8.58	-100.27	-3.78	-2046.21	-668.62	-1381.37	957.02
		293	28.24	71.80	-694.57	58.45	-681.22	-100.27	-245.36	-2443.79	-737.10	-1952.05	916.11
349	14	407	5.96	-25.01	-96.24	-34.74	-86.51	-24.45	105.56	-733.23	105.55	-733.22	3.20
		418	4.36	48.25	-28.43	-19.62	39.44	-24.45	136.31	-480.40	135.93	-480.01	-15.37
		304	4.61	60.99	7.99	24.28	44.70	-24.45	123.63	-565.12	48.96	-490.45	214.13
		293	6.20	15.35	-87.44	9.16	-81.25	-24.45	84.00	-809.09	18.57	-743.66	232.71
349	16	407	5.70	-28.00	-92.57	-36.35	-84.22	-21.67	58.04	-722.89	58.03	-722.87	3.63
		418	4.12	43.48	-29.07	-21.89	36.30	-21.67	87.99	-474.09	87.89	-474.00	-7.29
		304	4.43	55.98	8.84	23.12	41.70	-21.67	116.62	-559.98	36.77	-480.13	218.29
		293	6.03	13.73	-83.89	8.66	-78.81	-21.67	72.45	-794.56	6.90	-729.01	229.21
350	2	408	8.10	5.08	-231.11	-8.50	-217.53	54.98	387.84	-228.87	347.89	-188.92	-151.79
		419	4.94	91.46	-21.06	23.26	47.14	54.98	381.33	-236.43	346.38	-201.49	-142.71
		418	5.70	73.94	-52.44	-20.40	41.90	54.98	427.02	-234.47	388.93	-196.38	-154.10
		407	7.60	-35.98	-238.95	-52.16	-222.77	54.98	433.57	-226.95	390.44	-183.82	-163.18
350	11	408	34.66	-122.82	-1166.95	-158.47	-1131.31	189.61	-853.51	-923.19	-855.52	-921.17	11.67
		419	11.07	139.81	-241.43	-31.17	-70.45	189.61	-795.75	-853.58	-841.88	-807.45	23.23
		418	12.63	83.21	-299.38	-133.44	-82.73	189.61	-667.87	-920.82	-787.73	-800.96	126.31
		407	34.56	-221.75	-1182.58	-260.75	-1143.58	189.61	-730.06	-985.99	-801.38	-914.68	114.74
350	14	408	5.37	-1.30	-169.02	-12.81	-157.51	42.41	78.10	-259.32	9.90	-191.11	-135.51
		419	3.28	57.78	-27.97	8.63	21.19	42.41	53.44	-226.70	10.75	-184.00	-100.68
		418	3.78	44.45	-49.22	-22.26	17.48	42.41	198.29	-188.93	173.80	-164.44	-94.24
		407	5.35	-29.99	-174.92	-43.70	-161.21	42.41	215.94	-214.54	172.95	-171.54	-129.07
350	16	408	5.11	-3.29	-165.63	-15.29	-153.64	42.46	4.12	-304.89	-91.63	-209.14	-142.89
		419	3.17	52.88	-32.65	4.98	15.25	42.46	-32.21	-253.20	-89.98	-195.43	-97.10
		418	3.55	39.63	-52.81	-24.85	11.67	42.46	147.04	-192.34	124.41	-169.71	-84.67
		407	5.18	-30.85	-171.48	-45.11	-157.22	42.46	170.81	-231.47	122.76	-183.42	-130.47
351	1	409	10.16	-68.55	-117.90	-70.02	-116.43	8.39	-7.15	-1931.82	-1898.64	-40.34	-250.54
		420	9.98	-68.76	-119.29	-70.20	-117.86	8.39	-146.94	-1915.78	-1911.90	-150.82	-82.81
		419	6.70	-39.22	-115.19	-40.16	-114.25	8.39	-26.17	-1157.03	-1126.61	-56.59	-182.95
		408	7.57	-39.03	-113.78	-39.98	-112.82	8.39	151.15	-1210.61	-1113.35	53.89	-350.68
351	11	409	28.48	174.66	-819.28	89.81	-734.43	277.73	346.92	-189.53	-103.21	260.60	-197.11
		420	21.58	259.42	-484.15	134.80	-359.52	277.73	389.50	-329.30	-113.63	173.83	-329.41

		419	21.18	92.95	-545.69	-68.79	-383.95	277.73	266.15	-899.70	-733.04	99.50	-408.07
		408	27.85	-10.68	-861.95	-113.78	-758.86	277.73	263.40	-799.75	-722.63	186.27	-275.77
351	13	409	7.81	-52.73	-90.69	-53.86	-89.56	6.46	-5.50	-1486.02	-1460.49	-31.03	-192.72
		420	7.67	-52.89	-91.76	-54.00	-90.66	6.46	-113.03	-1473.68	-1470.69	-116.02	-63.70
		419	5.16	-30.17	-88.61	-30.89	-87.89	6.46	-20.13	-890.02	-866.62	-43.53	-140.73
		408	5.82	-30.02	-87.52	-30.76	-86.79	6.46	116.27	-931.24	-856.43	41.46	-269.76
351	15	409	7.81	-52.73	-90.69	-53.86	-89.56	6.46	-5.50	-1486.02	-1460.49	-31.03	-192.72
		420	7.67	-52.89	-91.76	-54.00	-90.66	6.46	-113.03	-1473.68	-1470.69	-116.02	-63.70
		419	5.16	-30.17	-88.61	-30.89	-87.89	6.46	-20.13	-890.02	-866.62	-43.53	-140.73
		408	5.82	-30.02	-87.52	-30.76	-86.79	6.46	116.27	-931.24	-856.43	41.46	-269.76
352	1	411	11.10	-59.20	-103.06	-80.79	-81.47	-21.93	-76.01	-1994.48	-1991.02	-79.47	-81.41
		422	10.93	-73.36	-126.74	-84.84	-115.26	-21.93	-87.04	-1994.22	-1992.17	-89.08	-62.40
		420	10.15	-60.57	-122.54	-69.67	-113.44	-21.93	-75.64	-1905.97	-1903.21	-78.41	-71.12
		409	10.31	-49.60	-95.66	-65.61	-79.65	-21.93	-64.37	-1906.47	-1902.05	-68.79	-90.12
352	11	411	17.08	69.90	-506.26	52.62	-488.98	98.26	552.75	323.24	400.62	475.37	-108.50
		422	18.49	64.34	-543.63	48.02	-527.31	98.26	672.97	236.84	404.25	505.56	-212.10
		420	20.20	130.50	-534.06	115.64	-519.20	98.26	505.56	-139.00	-80.80	447.36	-184.73
		409	18.85	135.89	-496.52	120.24	-480.87	98.26	429.96	-97.22	-84.43	417.16	-81.13
352	13	411	8.54	-45.54	-79.28	-62.14	-62.67	-16.87	-58.47	-1534.22	-1531.55	-61.13	-62.62
		422	8.41	-56.43	-97.49	-65.26	-88.66	-16.87	-66.95	-1534.01	-1532.44	-68.53	-48.00
		420	7.81	-46.59	-94.26	-53.59	-87.26	-16.87	-58.18	-1466.13	-1464.00	-60.31	-54.71
		409	7.93	-38.16	-73.58	-50.47	-61.27	-16.87	-49.52	-1466.52	-1463.12	-52.92	-69.32
352	15	411	8.54	-45.54	-79.28	-62.14	-62.67	-16.87	-58.47	-1534.22	-1531.55	-61.13	-62.62
		422	8.41	-56.43	-97.49	-65.26	-88.66	-16.87	-66.95	-1534.01	-1532.44	-68.53	-48.00
		420	7.81	-46.59	-94.26	-53.59	-87.26	-16.87	-58.18	-1466.13	-1464.00	-60.31	-54.71
		409	7.93	-38.16	-73.58	-50.47	-61.27	-16.87	-49.52	-1466.52	-1463.12	-52.92	-69.32
353	1	412	10.10	-48.30	-88.07	-69.63	-66.74	-19.83	-108.32	-1851.61	-1851.48	-108.45	14.94
		423	10.00	-58.36	-100.76	-72.07	-87.05	-19.83	-151.56	-1856.82	-1856.67	-151.71	-16.05
		422	10.95	-64.79	-105.00	-81.59	-88.19	-19.83	-167.46	-2003.44	-2001.78	-169.13	-55.27
		411	11.05	-52.90	-94.14	-79.16	-67.88	-19.83	-125.55	-1996.90	-1996.59	-125.86	-24.27
353	11	412	11.08	11.98	-351.40	11.73	-351.15	-9.55	457.96	361.79	442.11	377.65	-35.69
		423	13.90	-0.81	-457.50	-1.01	-457.30	-9.55	464.05	344.56	440.91	367.71	-47.22
		422	14.51	57.44	-450.49	57.26	-450.31	-9.55	431.76	316.39	386.93	361.23	-56.23
		411	11.70	70.22	-344.37	70.00	-344.15	-9.55	425.15	334.15	388.12	371.17	-44.70
353	13	412	7.77	-37.15	-67.75	-53.56	-51.34	-15.26	-83.33	-1424.31	-1424.22	-83.42	11.49
		423	7.69	-44.89	-77.51	-55.44	-66.96	-15.26	-116.59	-1428.33	-1428.21	-116.70	-12.35
		422	8.43	-49.84	-80.77	-62.77	-67.84	-15.26	-128.82	-1541.11	-1539.83	-130.10	-42.51
		411	8.50	-40.69	-72.41	-60.89	-52.21	-15.26	-96.58	-1536.08	-1535.84	-96.82	-18.67
353	15	412	7.77	-37.15	-67.75	-53.56	-51.34	-15.26	-83.33	-1424.31	-1424.22	-83.42	11.49
		423	7.69	-44.89	-77.51	-55.44	-66.96	-15.26	-116.59	-1428.33	-1428.21	-116.70	-12.35
		422	8.43	-49.84	-80.77	-62.77	-67.84	-15.26	-128.82	-1541.11	-1539.83	-130.10	-42.51
		411	8.50	-40.69	-72.41	-60.89	-52.21	-15.26	-96.58	-1536.08	-1535.84	-96.82	-18.67
354	1	413	8.18	-43.17	-68.80	-54.73	-57.24	-12.76	-134.10	-1539.80	-1536.71	-137.18	65.82
		424	8.17	-47.07	-74.48	-55.76	-65.79	-12.76	-148.19	-1538.04	-1538.03	-148.20	-3.14
		423	10.02	-55.78	-81.40	-69.72	-67.46	-12.76	-186.84	-1861.00	-1860.90	-186.95	-13.13
		412	10.04	-50.15	-77.47	-68.70	-58.92	-12.76	-174.08	-1861.43	-1859.58	-175.93	55.83
354	6	413	9.66	141.78	-57.58	-52.14	136.34	32.47	-264.03	-1304.04	-1300.52	-267.54	60.38
		424	9.64	142.74	-57.44	-52.02	137.33	32.47	-266.90	-1302.50	-1300.66	-268.73	43.61
		423	10.58	139.33	-81.00	-76.10	134.44	32.47	-276.52	-1380.83	-1379.19	-278.16	42.53
		412	10.59	138.37	-81.14	-76.22	133.45	32.47	-273.79	-1382.23	-1379.05	-276.97	59.31
354	13	413	6.30	-33.21	-52.93	-42.10	-44.03	-9.81	-103.15	-1184.46	-1182.08	-105.53	50.63
		424	6.28	-36.20	-57.29	-42.89	-50.60	-9.81	-114.00	-1183.10	-1183.10	-114.00	-2.42
		423	7.71	-42.91	-62.61	-53.63	-51.89	-9.81	-143.73	-1431.54	-1431.46	-143.80	-10.10
		412	7.73	-38.57	-59.59	-52.84	-45.32	-9.81	-133.91	-1431.87	-1430.44	-135.33	42.95
354	15	413	6.30	-33.21	-52.93	-42.10	-44.03	-9.81	-103.15	-1184.46	-1182.08	-105.53	50.63
		424	6.28	-36.20	-57.29	-42.89	-50.60	-9.81	-114.00	-1183.10	-1183.10	-114.00	-2.42
		423	7.71	-42.91	-62.61	-53.63	-51.89	-9.81	-143.73	-1431.54	-1431.46	-143.80	-10.10
		412	7.73	-38.57	-59.59	-52.84	-45.32	-9.81	-133.91	-1431.87	-1430.44	-135.33	42.95
355	1	414	6.11	-35.34	-53.05	-39.76	-48.63	-7.66	-110.69	-1171.33	-1163.18	-118.84	92.65
		425	6.08	-36.32	-55.53	-40.13	-51.72	-7.66	-125.94	-1164.19	-1164.04	-126.08	12.17
		424	8.18	-46.17	-61.52	-54.27	-53.42	-7.66	-171.27	-1540.82	-1540.80	-171.29	5.61
		413	8.20	-44.25	-59.98	-53.90	-50.33	-7.66	-158.69	-1545.30	-1539.93	-164.05	86.08
355	6	414	7.76	102.92	-51.73	-39.32	90.50	42.02	-192.55	-1084.06	-1082.64	-193.97	35.54
		425	7.83	113.81	-49.55	-37.92	102.17	42.02	-192.32	-1082.56	-1082.45	-192.43	-9.76
		424	9.21	110.51	-67.08	-56.51	99.94	42.02	-217.82	-1294.62	-1294.56	-217.88	-8.36
		413	9.13	99.49	-69.13	-57.91	88.27	42.02	-218.16	-1296.01	-1294.75	-219.43	36.94
355	13	414	4.70	-27.19	-40.81	-30.58	-37.41	-5.89	-85.14	-901.02	-894.75	-91.42	71.27
		425	4.68	-27.94	-42.72	-30.87	-39.79	-5.89	-96.88	-895.53	-895.42	-96.99	9.37
		424	6.29	-35.52	-47.32	-41.75	-41.09	-5.89	-131.75	-1185.25	-1185.23	-131.77	4.32
		413	6.31	-34.04	-46.14	-41.46	-38.72	-5.89	-122.07	-1188.69	-1184.56	-126.20	66.22
355	15	414	4.70	-27.19	-40.81	-30.58	-37.41	-5.89	-85.14	-901.02	-894.75	-91.42	71.27
		425	4.68	-27.94	-42.72	-30.87	-39.79	-5.89	-96.88	-895.53	-895.42	-96.99	9.37
		424	6.29	-35.52	-47.32	-41.75	-41.09	-5.89	-131.75	-1185.25	-1185.23	-131.77	4.32
		413	6.31	-34.04	-46.14	-41.46	-38.72	-5.89	-122.07	-1188.69	-1184.56	-126.20	66.22
356	4	415	6.49	37.40	-32.99	35.16	-30.75	-12.36	1077.46	103.96	1077.00	104.43	21.28
		426	6.54	36.66	-37.90	34.55	-35.79	-12.36	1078.16	108.29	1077.54	108.91	24.59
		425	6.60	36.59	-37.91	34.48	-35.80	-12.36	1093.83	109.93	1093.00	110.77	28.65

		414	6.55	37.33	-33.00	35.09	-30.76	-12.36	1093.11	105.63	1092.46	106.29	25.35
356	6	415	5.82	72.90	-45.17	-29.95	57.67	39.57	-123.75	-811.84	-811.35	-124.24	18.38
		426	5.78	79.83	-43.40	-29.02	65.44	39.57	-120.22	-813.29	-811.13	-122.38	-38.60
		425	7.28	76.93	-55.63	-42.52	63.82	39.57	-152.92	-1079.36	-1077.89	-154.39	-36.90
		414	7.30	69.87	-57.27	-43.45	56.05	39.57	-155.82	-1078.55	-1078.11	-156.26	20.07
356	13	415	3.13	-18.74	-32.71	-19.65	-31.80	-3.46	-61.14	-615.69	-604.48	-72.36	78.06
		426	3.09	-18.75	-32.79	-19.66	-31.88	-3.46	-71.43	-604.88	-604.42	-71.89	15.65
		425	4.69	-27.82	-35.38	-30.07	-33.13	-3.46	-106.63	-896.94	-896.61	-106.95	16.07
		414	4.72	-27.79	-35.32	-30.06	-33.04	-3.46	-99.69	-904.40	-896.67	-107.42	78.48
356	15	415	3.13	-18.74	-32.71	-19.65	-31.80	-3.46	-61.14	-615.69	-604.48	-72.36	78.06
		426	3.09	-18.75	-32.79	-19.66	-31.88	-3.46	-71.43	-604.88	-604.42	-71.89	15.65
		425	4.69	-27.82	-35.38	-30.07	-33.13	-3.46	-106.63	-896.94	-896.61	-106.95	16.07
		414	4.72	-27.79	-35.32	-30.06	-33.04	-3.46	-99.69	-904.40	-896.67	-107.42	78.48
357	4	416	6.24	36.48	-26.52	35.42	-25.46	-8.10	1036.76	93.17	1036.75	93.17	-1.28
		427	6.24	36.34	-27.55	35.29	-26.51	-8.10	1037.77	101.16	1037.72	101.21	7.15
		426	6.42	36.71	-27.50	35.67	-26.46	-8.10	1077.39	105.74	1077.18	105.95	14.43
		415	6.43	36.85	-26.46	35.80	-25.41	-8.10	1076.25	97.87	1076.22	97.91	6.01
357	7	416	6.05	35.35	-103.65	20.71	-89.01	-42.67	748.30	62.33	748.04	62.59	13.24
		427	6.19	34.01	-109.46	19.95	-95.39	-42.67	748.88	69.52	748.88	69.53	-1.89
		426	5.87	32.85	-109.72	18.67	-95.54	-42.67	678.06	61.00	678.03	61.03	4.40
		415	5.73	34.19	-103.92	19.43	-89.16	-42.67	677.81	53.47	677.20	54.08	19.53
357	14	416	3.19	18.04	-26.69	17.30	-25.95	-5.71	484.66	31.25	482.92	32.99	28.01
		427	3.18	18.04	-26.70	17.30	-25.96	-5.71	484.01	39.49	483.74	39.76	10.98
		426	2.73	14.60	-27.17	13.81	-26.38	-5.71	404.77	29.41	403.99	30.19	17.12
		415	2.74	14.60	-27.16	13.81	-26.37	-5.71	406.22	20.37	403.17	23.42	34.16
357	15	416	1.86	-9.62	-26.96	-9.88	-26.69	-2.11	-40.45	-364.67	-347.82	-57.29	71.96
		427	1.72	-9.41	-25.42	-9.69	-25.14	-2.11	-51.47	-348.18	-347.23	-52.41	16.73
		426	3.10	-18.42	-26.82	-18.99	-26.25	-2.11	-82.59	-606.66	-605.81	-83.44	21.15
		415	3.14	-18.69	-28.30	-19.18	-27.81	-2.11	-77.30	-617.42	-606.39	-88.32	76.38
358	4	417	5.69	33.65	-21.81	33.20	-21.36	-4.96	936.18	68.20	935.05	69.33	-31.34
		428	5.64	33.84	-20.36	33.38	-19.90	-4.96	936.64	81.52	936.52	81.64	-9.92
		427	6.17	36.56	-20.01	36.13	-19.57	-4.96	1036.82	93.67	1036.81	93.67	1.23
		416	6.22	36.38	-21.46	35.95	-21.03	-4.96	1035.76	80.94	1035.34	81.37	-20.19
358	7	417	5.71	35.41	-75.19	23.98	-63.76	-33.68	767.00	45.42	766.68	45.74	-15.18
		428	5.70	35.32	-75.62	23.92	-64.23	-33.68	768.61	56.78	768.07	57.32	-19.65
		427	5.58	35.10	-75.67	23.68	-64.26	-33.68	747.23	54.68	747.11	54.80	-9.16
		416	5.59	35.20	-75.24	23.74	-63.78	-33.68	745.75	43.20	745.72	43.23	-4.69
358	14	417	3.27	19.17	-21.96	18.88	-21.66	-3.44	497.88	20.04	497.87	20.05	1.96
		428	3.22	19.43	-19.91	19.13	-19.61	-3.44	499.28	31.70	499.27	31.70	-1.61
		427	3.11	18.36	-20.05	18.05	-19.74	-3.44	482.71	29.52	482.53	29.69	8.95
		416	3.17	18.10	-22.09	17.80	-21.79	-3.44	481.47	17.70	481.13	18.04	12.53
358	16	417	2.88	16.76	-21.98	16.50	-21.72	-3.19	425.15	11.70	425.01	11.83	7.51
		428	2.82	17.03	-19.84	16.76	-19.56	-3.19	426.40	23.38	426.40	23.38	-0.23
		427	2.61	15.32	-20.06	15.03	-19.77	-3.19	390.43	18.75	390.15	19.03	10.24
		416	2.67	15.05	-22.20	14.77	-21.92	-3.19	389.61	6.64	388.76	7.48	17.98
359	2	499	3.25	17.58	-17.94	17.55	-17.91	1.07	533.73	51.93	532.19	53.46	27.17
		500	3.33	17.46	-18.95	17.43	-18.92	1.07	542.32	37.99	531.62	48.69	72.70
		612	4.53	26.93	-17.81	26.90	-17.78	1.07	751.66	67.37	744.76	74.27	68.37
		611	4.48	27.05	-16.80	27.02	-16.78	1.07	746.11	78.26	745.33	79.04	22.85
359	5	499	4.04	26.43	-33.83	19.14	-26.55	19.65	622.24	58.29	620.14	60.39	34.33
		500	4.14	25.81	-36.31	18.81	-29.31	19.65	625.17	51.91	619.78	57.31	55.36
		612	4.69	30.89	-35.12	24.40	-28.63	19.65	722.50	64.90	718.27	69.13	52.57
		611	4.60	31.47	-32.61	24.74	-25.88	19.65	720.17	70.67	718.64	72.21	31.53
359	14	499	2.00	10.69	-13.53	10.67	-13.52	0.59	318.91	28.38	317.99	29.30	16.27
		500	2.05	10.57	-14.50	10.56	-14.48	0.59	323.30	19.44	317.50	25.24	41.56
		612	2.73	16.25	-13.81	16.24	-13.80	0.59	439.50	35.86	435.91	39.45	37.88
		611	2.69	16.37	-12.85	16.36	-12.84	0.59	436.80	43.10	436.39	43.51	12.59
359	16	499	1.81	9.57	-13.43	9.56	-13.42	0.50	282.80	23.83	281.99	24.64	14.45
		500	1.85	9.44	-14.47	9.43	-14.46	0.50	286.33	15.58	281.49	20.43	35.90
		612	2.43	14.50	-13.86	14.49	-13.85	0.50	384.87	29.56	381.94	32.48	32.09
		611	2.39	14.62	-12.82	14.61	-12.81	0.50	382.78	36.37	382.45	36.69	10.63
360	2	500	1.88	17.39	-18.93	17.39	-18.92	0.42	221.51	-40.92	174.72	5.86	100.44
		502	1.97	17.29	-19.75	17.29	-19.75	0.42	228.00	-59.47	173.43	-4.91	112.73
		1	2.37	26.35	-18.67	26.35	-18.66	0.42	270.46	-37.50	230.97	2.00	102.97
		612	2.29	26.45	-17.84	26.45	-17.84	0.42	264.88	-19.85	232.26	12.77	90.68
360	5	500	3.04	28.09	-39.35	18.12	-29.39	23.93	312.90	-3.03	291.90	17.96	78.68
		502	3.09	27.90	-40.01	18.03	-30.14	23.93	314.08	-10.10	291.27	12.71	82.91
		1	3.23	32.20	-38.82	22.93	-29.55	23.93	330.41	-4.28	311.04	15.08	78.14
		612	3.19	32.38	-38.16	23.02	-28.80	23.93	329.36	2.66	311.67	20.34	73.92
360	14	500	1.18	10.57	-14.48	10.57	-14.48	0.13	128.17	-26.32	102.42	-0.57	57.58
		502	1.25	10.48	-15.27	10.48	-15.27	0.13	130.47	-38.76	101.33	-9.62	63.89
		1	1.46	15.89	-14.62	15.89	-14.62	0.13	150.65	-25.86	130.87	-6.08	55.68
		612	1.40	15.98	-13.83	15.98	-13.83	0.13	148.68	-13.76	131.95	2.97	49.37
360	16	500	1.08	9.47	-14.45	9.47	-14.45	0.05	111.57	-24.32	89.82	-2.57	49.82
		502	1.14	9.36	-15.30	9.36	-15.30	0.05	112.85	-36.08	88.70	-11.93	54.89
		1	1.32	14.17	-14.72	14.17	-14.72	0.05	128.13	-24.78	112.43	-9.08	46.41
		612	1.26	14.27	-13.88	14.27	-13.88	0.05	127.04	-13.21	113.55	0.28	41.34

361	2	502	1.53	17.35	-19.74	17.35	-19.74	0.20	53.29	-182.98	-92.83	-36.86	114.78
		504	1.47	17.28	-20.30	17.28	-20.30	0.20	37.09	-179.69	-94.21	-48.38	105.94
		163	1.76	25.72	-19.29	25.72	-19.28	0.20	9.51	-198.43	-135.58	-53.34	95.49
		1	1.81	25.79	-18.73	25.79	-18.73	0.20	26.09	-202.10	-134.19	-41.82	104.33
361	7	502	3.16	33.86	-40.98	6.10	-13.22	-36.15	-20.74	-357.17	-331.38	-46.53	89.51
		504	3.08	31.90	-44.06	5.56	-17.72	-36.15	-34.77	-350.07	-332.12	-52.72	73.07
		163	3.31	33.17	-43.29	7.38	-17.50	-36.15	-49.31	-421.74	-409.09	-61.96	67.46
		1	3.38	35.09	-40.17	7.92	-13.00	-36.15	-36.82	-427.29	-408.35	-55.77	83.90
361	14	502	0.95	10.55	-15.26	10.55	-15.26	-4.08e-03	23.27	-109.44	-57.49	-28.68	64.78
		504	0.91	10.49	-15.79	10.49	-15.79	-4.08e-03	11.83	-108.99	-58.66	-38.50	59.56
		163	1.07	15.47	-15.19	15.47	-15.19	-4.08e-03	-7.48	-117.03	-83.08	-41.43	50.66
		1	1.11	15.54	-14.66	15.54	-14.66	-4.08e-03	4.52	-118.03	-81.90	-31.61	55.88
361	16	502	0.86	9.45	-15.29	9.45	-15.29	-0.07	16.30	-97.12	-52.00	-28.81	55.51
		504	0.82	9.38	-15.86	9.38	-15.86	-0.07	5.30	-97.53	-53.23	-39.00	50.92
		163	0.97	13.78	-15.33	13.78	-15.33	-0.07	-13.29	-103.01	-74.72	-41.58	41.69
		1	1.00	13.84	-14.76	13.84	-14.76	-0.07	-1.61	-103.29	-73.50	-31.39	46.28
362	4	504	2.06	17.14	-15.38	17.13	-15.37	0.22	-20.85	-305.82	-269.78	-56.88	94.71
		506	1.98	17.12	-15.53	17.12	-15.53	0.22	-39.83	-292.93	-270.44	-62.33	72.03
		168	2.65	25.22	-14.55	25.22	-14.55	0.22	-60.82	-390.89	-376.63	-75.08	67.09
		163	2.70	25.23	-14.40	25.23	-14.40	0.22	-45.26	-400.35	-375.98	-69.63	89.77
362	7	504	3.22	33.81	-42.96	8.25	-17.40	-36.18	-51.03	-404.44	-395.17	-60.29	56.45
		506	3.13	32.14	-45.93	7.75	-21.54	-36.18	-64.44	-400.42	-396.18	-68.68	37.48
		168	3.43	33.28	-45.31	9.32	-21.35	-36.18	-77.14	-487.18	-484.99	-79.33	29.88
		163	3.51	34.93	-42.32	9.81	-17.21	-36.18	-65.25	-489.68	-483.98	-70.95	48.85
362	14	504	1.28	10.53	-15.78	10.53	-15.78	-0.02	-31.93	-182.02	-162.94	-51.01	50.00
		506	1.24	10.50	-16.08	10.50	-16.08	-0.02	-45.79	-176.23	-163.81	-58.21	38.29
		168	1.59	15.14	-15.52	15.14	-15.52	-0.02	-58.49	-224.92	-218.62	-64.79	31.76
		163	1.62	15.17	-15.23	15.17	-15.22	-0.02	-46.55	-228.79	-217.76	-57.59	43.47
362	16	504	1.16	9.43	-15.85	9.43	-15.85	-0.06	-33.78	-161.39	-145.14	-50.03	42.54
		506	1.12	9.39	-16.17	9.39	-16.17	-0.06	-46.78	-156.79	-146.04	-57.53	32.66
		168	1.42	13.46	-15.68	13.46	-15.68	-0.06	-58.09	-197.27	-192.29	-63.08	25.87
		163	1.45	13.50	-15.36	13.50	-15.36	-0.06	-46.75	-200.22	-191.39	-55.58	35.75
363	4	506	2.32	17.11	-15.53	17.11	-15.53	0.07	-66.25	-366.40	-359.62	-73.03	44.60
		508	2.29	17.11	-15.57	17.11	-15.57	0.07	-74.16	-360.69	-359.85	-74.99	15.43
		170	3.13	24.97	-14.63	24.97	-14.63	0.07	-90.92	-496.89	-496.43	-91.38	13.66
		168	3.15	24.98	-14.58	24.98	-14.58	0.07	-84.96	-500.66	-496.20	-89.42	42.83
363	11	506	3.19	20.05	-41.62	17.22	-38.80	-12.89	-127.34	-479.55	-479.37	-127.52	8.01
		508	3.19	19.79	-43.19	17.03	-40.43	-12.89	-131.62	-479.86	-479.86	-131.62	1.27
		170	3.43	23.65	-42.56	21.04	-39.95	-12.89	-135.39	-511.41	-511.40	-135.41	-2.44
		168	3.42	23.90	-40.99	21.23	-38.32	-12.89	-131.26	-510.95	-510.91	-131.31	4.29
363	14	506	1.45	10.52	-16.08	10.52	-16.08	-8.79e-03	-60.94	-218.83	-215.37	-64.40	23.11
		508	1.43	10.50	-16.17	10.50	-16.17	-8.79e-03	-66.53	-216.16	-215.68	-67.01	8.47
		170	1.86	14.96	-15.64	14.96	-15.64	-8.79e-03	-75.06	-284.39	-284.22	-75.24	6.10
		168	1.87	14.97	-15.54	14.97	-15.54	-8.79e-03	-70.61	-285.92	-283.90	-72.63	20.74
363	16	506	1.30	9.42	-16.17	9.42	-16.17	-0.02	-60.06	-194.23	-191.33	-62.96	19.52
		508	1.29	9.40	-16.27	9.40	-16.27	-0.02	-65.26	-192.08	-191.65	-65.68	7.31
		170	1.65	13.29	-15.81	13.29	-15.81	-0.02	-72.41	-248.98	-248.85	-72.55	4.84
		168	1.66	13.30	-15.70	13.30	-15.70	-0.02	-68.21	-250.13	-248.52	-69.83	17.06
364	4	508	2.29	17.11	-15.57	17.11	-15.57	-0.07	-74.16	-360.69	-359.85	-74.99	-15.43
		510	2.32	17.11	-15.53	17.11	-15.53	-0.07	-66.25	-366.40	-359.62	-73.03	-44.60
		176	3.15	24.98	-14.58	24.98	-14.58	-0.07	-84.96	-500.66	-496.20	-89.42	-42.83
		170	3.13	24.97	-14.63	24.97	-14.63	-0.07	-90.92	-496.89	-496.43	-91.38	-13.66
364	9	508	3.19	19.79	-43.19	17.03	-40.43	12.89	-131.62	-479.86	-479.86	-131.62	-1.27
		510	3.19	20.05	-41.62	17.22	-38.80	12.89	-127.34	-479.55	-479.37	-127.52	-8.01
		176	3.42	23.90	-40.99	21.23	-38.32	12.89	-131.26	-510.95	-510.91	-131.31	-4.29
		170	3.43	23.65	-42.56	21.04	-39.95	12.89	-135.39	-511.41	-511.40	-135.41	2.44
364	14	508	1.43	10.50	-16.17	10.50	-16.17	8.79e-03	-66.53	-216.16	-215.68	-67.01	-8.47
		510	1.45	10.52	-16.08	10.52	-16.08	8.79e-03	-60.94	-218.83	-215.37	-64.40	-23.11
		176	1.87	14.97	-15.54	14.97	-15.54	8.79e-03	-70.61	-285.92	-283.90	-72.63	-20.74
		170	1.86	14.96	-15.64	14.96	-15.64	8.79e-03	-75.06	-284.39	-284.22	-75.24	-6.10
364	16	508	1.29	9.40	-16.27	9.40	-16.27	0.02	-65.26	-192.08	-191.65	-65.68	-7.31
		510	1.30	9.42	-16.17	9.42	-16.17	0.02	-60.06	-194.23	-191.33	-62.96	-19.52
		176	1.66	13.30	-15.70	13.30	-15.70	0.02	-68.21	-250.13	-248.52	-69.83	-17.06
		170	1.65	13.29	-15.81	13.29	-15.81	0.02	-72.41	-248.98	-248.85	-72.55	-4.84
365	4	510	1.98	17.12	-15.53	17.12	-15.53	-0.22	-39.83	-292.93	-270.44	-62.33	-72.03
		512	2.06	17.14	-15.38	17.13	-15.37	-0.22	-20.85	-305.82	-269.78	-56.88	-94.71
		180	2.70	25.23	-14.40	25.23	-14.40	-0.22	-45.26	-400.35	-375.98	-69.63	-89.77
		176	2.65	25.22	-14.55	25.22	-14.55	-0.22	-60.82	-390.89	-376.63	-75.08	-67.09
365	5	510	3.13	32.14	-45.93	7.75	-21.54	36.18	-64.44	-400.42	-396.18	-68.68	-37.48
		512	3.22	33.81	-42.96	8.25	-17.40	36.18	-51.03	-404.44	-395.17	-60.29	-56.45
		180	3.51	34.93	-42.32	9.81	-17.21	36.18	-65.25	-489.68	-483.98	-70.95	-48.85
		176	3.43	33.28	-45.31	9.32	-21.35	36.18	-77.14	-487.18	-484.99	-79.33	-29.88
365	14	510	1.24	10.50	-16.08	10.50	-16.08	0.02	-45.79	-176.23	-163.81	-58.21	-38.29
		512	1.28	10.53	-15.78	10.53	-15.78	0.02	-31.93	-182.02	-162.94	-51.01	-50.00
		180	1.62	15.17	-15.23	15.17	-15.22	0.02	-46.55	-228.79	-217.76	-57.59	-43.47
		176	1.59	15.14	-15.52	15.14	-15.52	0.02	-58.49	-224.92	-218.62	-64.79	-31.76
365	16	510	1.12	9.39	-16.17	9.39	-16.17	0.06	-46.78	-156.79	-146.04	-57.53	-32.66

		512	1.16	9.43	-15.85	9.43	-15.85	0.06	-33.78	-161.39	-145.14	-50.03	-42.54
		180	1.45	13.50	-15.36	13.50	-15.36	0.06	-46.75	-200.22	-191.39	-55.58	-35.75
		176	1.42	13.46	-15.68	13.46	-15.68	0.06	-58.09	-197.27	-192.29	-63.08	-25.87
366	2	512	1.47	17.28	-20.30	17.28	-20.30	-0.20	37.09	-179.69	-94.21	-48.38	-105.94
		514	1.53	17.35	-19.74	17.35	-19.74	-0.20	53.29	-182.98	-92.83	-36.86	-114.78
		183	1.81	25.79	-18.73	25.79	-18.73	-0.20	26.09	-202.10	-134.19	-41.82	-104.33
		180	1.76	25.72	-19.29	25.72	-19.28	-0.20	9.51	-198.43	-135.58	-53.34	-95.49
366	5	512	3.08	31.90	-44.06	5.56	-17.72	36.15	-34.77	-350.07	-332.12	-52.72	-73.07
		514	3.16	33.86	-40.98	6.10	-13.22	36.15	-20.74	-357.17	-331.38	-46.53	-89.51
		183	3.38	35.09	-40.17	7.92	-13.00	36.15	-36.82	-427.29	-408.35	-55.77	-83.90
		180	3.31	33.17	-43.29	7.38	-17.50	36.15	-49.31	-421.74	-409.09	-61.96	-67.46
366	14	512	0.91	10.49	-15.79	10.49	-15.79	4.08e-03	11.83	-108.99	-58.66	-38.50	-59.56
		514	0.95	10.55	-15.26	10.55	-15.26	4.08e-03	23.27	-109.44	-57.49	-28.68	-64.78
		183	1.11	15.54	-14.66	15.54	-14.66	4.08e-03	4.52	-118.03	-81.90	-31.61	-55.88
		180	1.07	15.47	-15.19	15.47	-15.19	4.08e-03	-7.48	-117.03	-83.08	-41.43	-50.66
366	16	512	0.82	9.38	-15.86	9.38	-15.86	0.07	5.30	-97.53	-53.23	-39.00	-50.92
		514	0.86	9.45	-15.29	9.45	-15.29	0.07	16.30	-97.12	-52.00	-28.81	-55.51
		183	1.00	13.84	-14.76	13.84	-14.76	0.07	-1.61	-103.29	-73.50	-31.39	-46.28
		180	0.97	13.78	-15.33	13.78	-15.33	0.07	-13.29	-103.01	-74.72	-41.58	-41.69
367	2	514	1.97	17.29	-19.75	17.29	-19.75	-0.42	228.00	-59.47	173.43	-4.91	-112.73
		516	1.88	17.39	-18.93	17.39	-18.92	-0.42	221.51	-40.92	174.72	5.86	-100.44
		193	2.29	26.45	-17.84	26.45	-17.84	-0.42	264.88	-19.85	232.26	12.77	-90.68
		183	2.37	26.35	-18.67	26.35	-18.66	-0.42	270.46	-37.50	230.97	2.00	-102.97
367	7	514	3.09	27.90	-40.01	18.03	-30.14	-23.93	314.08	-10.10	291.27	12.71	-82.91
		516	3.04	28.09	-39.35	18.12	-29.39	-23.93	312.90	-3.03	291.90	17.96	-78.68
		193	3.19	32.38	-38.16	23.02	-28.80	-23.93	329.36	2.66	311.67	20.34	-73.92
		183	3.23	32.20	-38.82	22.93	-29.55	-23.93	330.41	-4.28	311.04	15.08	-78.14
367	14	514	1.25	10.48	-15.27	10.48	-15.27	-0.13	130.47	-38.76	101.33	-9.62	-63.89
		516	1.18	10.57	-14.48	10.57	-14.48	-0.13	128.17	-26.32	102.42	-0.57	-57.58
		193	1.40	15.98	-13.83	15.98	-13.83	-0.13	148.68	-13.76	131.95	2.97	-49.37
		183	1.46	15.89	-14.62	15.89	-14.62	-0.13	150.65	-25.86	130.87	-6.08	-55.68
367	16	514	1.14	9.36	-15.30	9.36	-15.30	-0.05	112.85	-36.08	88.70	-11.93	-54.89
		516	1.08	9.47	-14.45	9.47	-14.45	-0.05	111.57	-24.32	89.82	-2.57	-49.82
		193	1.26	14.27	-13.88	14.27	-13.88	-0.05	127.04	-13.21	113.55	0.28	-41.34
		183	1.32	14.17	-14.72	14.17	-14.72	-0.05	128.13	-24.78	112.43	-9.08	-46.41
368	2	516	3.33	17.46	-18.95	17.43	-18.92	-1.07	542.32	37.99	531.62	48.69	-72.70
		518	3.25	17.58	-17.94	17.55	-17.91	-1.07	533.73	51.93	532.19	53.46	-27.17
		345	4.48	27.05	-16.80	27.02	-16.78	-1.07	746.11	78.26	745.33	79.04	-22.85
		193	4.53	26.93	-17.81	26.90	-17.78	-1.07	751.66	67.37	744.76	74.27	-68.37
368	7	516	4.14	25.81	-36.31	18.81	-29.31	-19.65	625.17	51.91	619.78	57.31	-55.36
		518	4.04	26.43	-33.83	19.14	-26.55	-19.65	622.24	58.29	620.14	60.39	-34.33
		345	4.60	31.47	-32.61	24.74	-25.88	-19.65	720.17	70.67	718.64	72.21	-31.53
		193	4.69	30.89	-35.12	24.40	-28.63	-19.65	722.50	64.90	718.27	69.13	-52.57
368	14	516	2.05	10.57	-14.50	10.56	-14.48	-0.59	323.30	19.44	317.50	25.24	-41.56
		518	2.00	10.69	-13.53	10.67	-13.52	-0.59	318.91	28.38	317.99	29.30	-16.27
		345	2.69	16.37	-12.85	16.36	-12.84	-0.59	436.80	43.10	436.39	43.51	-12.59
		193	2.73	16.25	-13.81	16.24	-13.80	-0.59	439.50	35.86	435.91	39.45	-37.88
368	16	516	1.85	9.44	-14.47	9.43	-14.46	-0.50	286.33	15.58	281.49	20.43	-35.90
		518	1.81	9.57	-13.43	9.56	-13.42	-0.50	282.80	23.83	281.99	24.64	-14.45
		345	2.39	14.62	-12.82	14.61	-12.81	-0.50	382.78	36.37	382.45	36.69	-10.63
		193	2.43	14.50	-13.86	14.49	-13.85	-0.50	384.87	29.56	381.94	32.48	-32.09
369	2	536	0.71	2.71	-2.29	2.69	-2.27	0.33	130.61	13.71	127.52	16.80	-18.75
		497	0.77	2.69	-2.47	2.67	-2.45	0.33	141.85	5.02	127.79	19.08	-41.55
		532	0.43	-3.51	-6.51	-6.47	-3.55	0.33	53.84	-26.49	21.08	6.28	-39.47
		178	0.30	-3.33	-6.48	-6.45	-3.37	0.33	31.08	-6.28	20.80	3.99	-16.68
369	9	536	2.50	13.92	-1.80	13.15	-1.03	-3.39	441.94	32.97	440.02	34.89	-27.98
		497	2.51	13.73	-2.95	13.01	-2.23	-3.39	443.09	34.49	440.31	37.27	-33.62
		532	2.38	13.33	-3.02	12.59	-2.28	-3.39	416.53	31.52	413.94	34.11	-31.46
		178	2.36	13.52	-1.87	12.74	-1.08	-3.39	415.39	29.99	413.66	31.73	-25.83
369	14	536	0.44	1.75	-1.85	1.74	-1.84	0.21	79.93	8.43	78.11	10.24	-11.24
		497	0.48	1.74	-1.96	1.73	-1.94	0.21	86.62	3.24	78.27	11.59	-25.03
		532	0.26	-2.59	-3.96	-3.93	-2.62	0.21	33.10	-15.52	13.73	3.85	-23.80
		178	0.18	-2.49	-3.95	-3.91	-2.52	0.21	19.48	-3.41	13.57	2.50	-10.02
369	16	536	0.40	1.62	-1.88	1.61	-1.87	0.20	71.83	7.59	70.24	9.18	-9.99
		497	0.43	1.61	-1.98	1.60	-1.97	0.20	77.76	3.00	70.38	10.38	-22.30
		532	0.24	-2.54	-3.55	-3.51	-2.58	0.20	29.83	-13.61	12.76	3.46	-21.22
		178	0.16	-2.45	-3.54	-3.50	-2.49	0.20	17.75	-2.86	12.62	2.27	-8.91
370	2	497	0.63	2.69	-2.47	2.68	-2.45	0.27	102.06	-27.88	62.88	11.29	-59.63
		501	0.65	2.69	-2.48	2.67	-2.47	0.27	109.43	-24.90	63.99	20.54	-63.56
		579	0.59	-3.48	-6.06	-6.03	-3.51	0.27	88.81	-24.85	45.62	18.34	-55.17
		532	0.56	-3.47	-6.06	-6.03	-3.50	0.27	81.02	-27.42	44.51	9.09	-51.25
370	11	497	1.72	11.25	-4.86	8.14	-1.75	-6.36	279.05	8.16	262.57	24.64	-64.75
		501	1.69	11.27	-4.80	8.15	-1.68	-6.36	276.61	12.50	262.78	26.34	-58.85
		579	1.74	9.32	-5.55	5.74	-1.97	-6.36	302.45	17.61	290.41	29.65	-57.31
		532	1.77	9.30	-5.60	5.74	-2.04	-6.36	304.65	13.52	290.21	27.96	-63.21
370	14	497	0.39	1.77	-1.95	1.76	-1.94	0.19	61.67	-16.64	38.24	6.79	-35.86
		501	0.39	1.76	-1.97	1.75	-1.96	0.19	66.06	-14.85	38.91	12.30	-38.20

		579	0.36	-2.58	-3.68	-3.64	-2.61	0.19	53.73	-14.80	27.94	10.99	-33.20
		532	0.34	-2.55	-3.67	-3.64	-2.59	0.19	49.10	-16.35	27.28	5.47	-30.86
370	16	497	0.35	1.65	-1.97	1.64	-1.96	0.19	55.04	-14.75	34.25	6.04	-31.92
		501	0.35	1.64	-2.00	1.63	-1.99	0.19	58.92	-13.15	34.84	10.93	-33.99
		579	0.32	-2.53	-3.30	-3.25	-2.58	0.19	47.99	-13.10	25.12	9.76	-29.56
		532	0.30	-2.50	-3.29	-3.25	-2.55	0.19	43.90	-14.49	24.54	4.87	-27.49
371	2	501	0.60	2.83	-2.46	2.82	-2.45	0.23	67.03	-63.46	-8.30	11.87	-64.46
		505	0.58	2.82	-2.51	2.81	-2.50	0.23	70.39	-53.21	-6.84	24.01	-59.84
		169	0.49	-3.50	-5.76	-5.74	-3.52	0.23	69.89	-28.50	14.78	26.61	-48.84
		579	0.51	-3.46	-5.76	-5.74	-3.48	0.23	67.35	-39.57	13.32	14.46	-53.45
371	7	501	1.31	2.49	-8.87	-5.79	-0.59	-5.05	252.96	15.37	244.40	23.93	-44.27
		505	1.32	2.88	-8.69	-5.73	-0.08	-5.05	249.97	9.01	243.40	15.58	-39.24
		169	1.72	0.18	-17.90	-16.36	-1.36	-5.05	275.47	9.88	266.95	18.40	-46.81
		579	1.71	-0.29	-18.00	-16.42	-1.87	-5.05	278.62	16.08	267.95	26.75	-51.83
371	14	501	0.37	1.88	-1.96	1.87	-1.95	0.17	40.11	-38.29	-5.20	7.01	-38.72
		505	0.36	1.87	-2.00	1.87	-1.99	0.17	42.07	-32.14	-4.33	14.26	-35.93
		169	0.30	-2.60	-3.47	-3.44	-2.63	0.17	41.86	-17.28	8.76	15.83	-29.36
		579	0.31	-2.55	-3.47	-3.43	-2.59	0.17	40.39	-23.92	7.89	8.58	-32.15
371	16	501	0.33	1.76	-1.98	1.75	-1.97	0.17	35.59	-34.15	-4.73	6.18	-34.44
		505	0.32	1.76	-2.03	1.75	-2.02	0.17	37.32	-28.68	-3.96	12.60	-31.94
		169	0.27	-2.54	-3.11	-3.05	-2.60	0.17	37.18	-15.44	7.73	14.00	-26.12
		579	0.28	-2.50	-3.10	-3.05	-2.55	0.17	35.89	-21.35	6.96	7.58	-28.62
372	2	505	0.67	2.99	-2.48	2.99	-2.48	0.16	38.68	-91.16	-69.03	16.55	-48.82
		509	0.64	2.99	-2.53	2.98	-2.53	0.16	39.97	-82.14	-67.93	25.75	-39.16
		433	0.39	-3.54	-5.56	-5.55	-3.55	0.16	45.17	-36.70	-22.71	31.18	-30.82
		169	0.44	-3.49	-5.55	-5.54	-3.50	0.16	45.58	-47.42	-23.81	21.98	-40.47
372	7	505	1.68	1.24	-9.31	-7.74	-0.33	-3.75	311.91	19.93	308.46	23.38	-31.55
		509	1.68	1.54	-9.22	-7.70	0.02	-3.75	310.06	17.80	308.03	19.83	-24.26
		433	2.19	-0.82	-21.32	-20.61	-1.53	-3.75	344.54	21.57	342.19	23.93	-27.48
		169	2.18	-1.15	-21.37	-20.65	-1.88	-3.75	346.41	23.69	342.61	27.48	-34.78
372	14	505	0.42	2.00	-1.98	2.00	-1.98	0.12	22.92	-55.29	-42.10	9.73	-29.29
		509	0.40	1.99	-2.02	1.99	-2.02	0.12	23.68	-49.91	-41.44	15.21	-23.48
		433	0.23	-2.63	-3.31	-3.29	-2.65	0.12	26.82	-22.60	-14.26	18.47	-18.51
		169	0.26	-2.59	-3.30	-3.28	-2.61	0.12	27.07	-29.00	-14.92	12.99	-24.32
372	16	505	0.38	1.88	-2.01	1.88	-2.01	0.12	20.23	-49.45	-37.77	8.54	-26.03
		509	0.37	1.87	-2.05	1.87	-2.05	0.12	20.90	-44.68	-37.18	13.40	-20.87
		433	0.21	-2.58	-2.95	-2.90	-2.62	0.12	23.69	-20.39	-13.00	16.30	-16.46
		169	0.23	-2.54	-2.94	-2.90	-2.58	0.12	23.92	-26.06	-13.58	11.45	-21.63
373	2	509	0.72	3.09	-2.51	3.09	-2.51	0.06	25.23	-106.85	-103.15	21.53	-21.79
		513	0.71	3.09	-2.54	3.09	-2.53	0.06	25.61	-103.48	-102.75	24.88	-9.68
		450	0.41	-3.56	-5.44	-5.44	-3.56	0.06	32.24	-46.62	-46.05	31.68	-6.65
		433	0.43	-3.54	-5.44	-5.44	-3.54	0.06	32.77	-50.90	-46.45	28.33	-18.76
373	6	509	2.34	13.33	-4.26	12.97	-3.90	2.52	-11.24	-396.17	-396.15	-11.26	-2.91
		513	2.35	13.30	-4.53	12.93	-4.16	2.52	-8.91	-395.88	-395.87	-8.92	-2.02
		450	2.42	16.74	-4.05	16.43	-3.74	2.52	-8.42	-391.72	-391.72	-8.42	0.10
		433	2.42	16.78	-3.79	16.46	-3.48	2.52	-10.76	-392.00	-392.00	-10.76	-0.78
373	14	509	0.45	2.07	-2.01	2.07	-2.01	0.04	14.85	-64.99	-62.79	12.65	-13.07
		513	0.45	2.07	-2.03	2.07	-2.03	0.04	15.08	-62.98	-62.55	14.65	-5.80
		450	0.24	-2.66	-3.21	-3.20	-2.66	0.04	19.06	-28.88	-28.55	18.73	-4.00
		433	0.25	-2.64	-3.21	-3.20	-2.64	0.04	19.36	-31.42	-28.79	16.73	-11.26
373	16	509	0.41	1.95	-2.04	1.95	-2.04	0.04	13.06	-58.21	-56.27	11.11	-11.61
		513	0.41	1.95	-2.06	1.95	-2.06	0.04	13.26	-56.44	-56.05	12.88	-5.16
		450	0.21	-2.62	-2.83	-2.82	-2.63	0.04	16.80	-26.13	-25.84	16.50	-3.56
		433	0.22	-2.60	-2.83	-2.82	-2.61	0.04	17.06	-28.37	-26.05	14.74	-10.01
374	2	513	0.71	3.09	-2.54	3.09	-2.53	-0.06	25.61	-103.48	-102.75	24.88	9.68
		517	0.72	3.09	-2.51	3.09	-2.51	-0.06	25.23	-106.85	-103.15	21.53	21.79
		522	0.43	-3.54	-5.44	-5.44	-3.54	-0.06	32.77	-50.90	-46.45	28.33	18.76
		450	0.41	-3.56	-5.44	-5.44	-3.56	-0.06	32.24	-46.62	-46.05	31.68	6.65
374	5	513	2.35	13.30	-4.53	12.93	-4.16	-2.52	-8.91	-395.88	-395.87	-8.92	2.02
		517	2.34	13.33	-4.26	12.97	-3.90	-2.52	-11.24	-396.17	-396.15	-11.26	2.91
		522	2.42	16.78	-3.79	16.46	-3.48	-2.52	-10.76	-392.00	-392.00	-10.76	0.78
		450	2.42	16.74	-4.05	16.43	-3.74	-2.52	-8.42	-391.72	-391.72	-8.42	-0.10
374	14	513	0.45	2.07	-2.03	2.07	-2.03	-0.04	15.08	-62.98	-62.55	14.65	5.80
		517	0.45	2.07	-2.01	2.07	-2.01	-0.04	14.85	-64.99	-62.79	12.65	13.07
		522	0.25	-2.64	-3.21	-3.20	-2.64	-0.04	19.36	-31.42	-28.79	16.73	11.26
		450	0.24	-2.66	-3.21	-3.20	-2.66	-0.04	19.06	-28.88	-28.55	18.73	4.00
374	16	513	0.41	1.95	-2.06	1.95	-2.06	-0.04	13.26	-56.44	-56.05	12.88	5.16
		517	0.41	1.95	-2.04	1.95	-2.04	-0.04	13.06	-58.21	-56.27	11.11	11.61
		522	0.22	-2.60	-2.83	-2.82	-2.61	-0.04	17.06	-28.37	-26.05	14.74	10.01
		450	0.21	-2.62	-2.83	-2.82	-2.63	-0.04	16.80	-26.13	-25.84	16.50	3.56
375	2	517	0.64	2.99	-2.53	2.98	-2.53	-0.16	39.97	-82.14	-67.93	25.75	39.16
		520	0.67	2.99	-2.48	2.99	-2.48	-0.16	38.68	-91.16	-69.03	16.55	48.82
		535	0.44	-3.49	-5.55	-5.54	-3.50	-0.16	45.58	-47.42	-23.81	21.98	40.47
		522	0.39	-3.54	-5.56	-5.55	-3.55	-0.16	45.17	-36.70	-22.71	31.18	30.82
375	8	517	1.68	1.54	-9.22	-7.70	0.02	3.75	310.06	17.80	308.03	19.83	24.26
		520	1.68	1.24	-9.31	-7.74	-0.33	3.75	311.91	19.93	308.46	23.38	31.55
		535	2.18	-1.15	-21.37	-20.65	-1.88	3.75	346.41	23.69	342.61	27.48	34.78

		522	2.19	-0.82	-21.32	-20.61	-1.53	3.75	344.54	21.57	342.19	23.93	27.48
375	14	517	0.40	1.99	-2.02	1.99	-2.02	-0.12	23.68	-49.91	-41.44	15.21	23.48
		520	0.42	2.00	-1.98	2.00	-1.98	-0.12	22.92	-55.29	-42.10	9.73	29.29
		535	0.26	-2.59	-3.30	-3.28	-2.61	-0.12	27.07	-29.00	-14.92	12.99	24.32
		522	0.23	-2.63	-3.31	-3.29	-2.65	-0.12	26.82	-22.60	-14.26	18.47	18.51
375	16	517	0.37	1.87	-2.05	1.87	-2.05	-0.12	20.90	-44.68	-37.18	13.40	20.87
		520	0.38	1.88	-2.01	1.88	-2.01	-0.12	20.23	-49.45	-37.77	8.54	26.03
		535	0.23	-2.54	-2.94	-2.90	-2.58	-0.12	23.92	-26.06	-13.58	11.45	21.63
		522	0.21	-2.58	-2.95	-2.90	-2.62	-0.12	23.69	-20.39	-13.00	16.30	16.46
376	2	520	0.58	2.82	-2.51	2.81	-2.50	-0.23	70.39	-53.21	-6.84	24.01	59.84
		525	0.60	2.83	-2.46	2.82	-2.45	-0.23	67.03	-63.46	-8.30	11.87	64.46
		583	0.51	-3.46	-5.76	-5.74	-3.48	-0.23	67.35	-39.57	13.32	14.46	53.45
		535	0.49	-3.50	-5.76	-5.74	-3.52	-0.23	69.89	-28.50	14.78	26.61	48.84
376	8	520	1.32	2.88	-8.69	-5.73	-0.08	5.05	249.97	9.01	243.40	15.58	39.24
		525	1.31	2.49	-8.87	-5.79	-0.59	5.05	252.96	15.37	244.40	23.93	44.27
		583	1.71	-0.29	-18.00	-16.42	-1.87	5.05	278.62	16.08	267.95	26.75	51.83
		535	1.72	0.18	-17.90	-16.36	-1.36	5.05	275.47	9.88	266.95	18.40	46.81
376	14	520	0.36	1.87	-2.00	1.87	-1.99	-0.17	42.07	-32.14	-4.33	14.26	35.93
		525	0.37	1.88	-1.96	1.87	-1.95	-0.17	40.11	-38.29	-5.20	7.01	38.72
		583	0.31	-2.55	-3.47	-3.43	-2.59	-0.17	40.39	-23.92	7.89	8.58	32.15
		535	0.30	-2.60	-3.47	-3.44	-2.63	-0.17	41.86	-17.28	8.76	15.83	29.36
376	16	520	0.32	1.76	-2.03	1.75	-2.02	-0.17	37.32	-28.68	-3.96	12.60	31.94
		525	0.33	1.76	-1.98	1.75	-1.97	-0.17	35.59	-34.15	-4.73	6.18	34.44
		583	0.28	-2.50	-3.10	-3.05	-2.55	-0.17	35.89	-21.35	6.96	7.58	28.62
		535	0.27	-2.54	-3.11	-3.05	-2.60	-0.17	37.18	-15.44	7.73	14.00	26.12
377	2	525	0.65	2.69	-2.48	2.67	-2.47	-0.27	109.43	-24.90	63.99	20.54	63.56
		529	0.63	2.69	-2.47	2.68	-2.45	-0.27	102.06	-27.88	62.88	11.29	59.63
		599	0.56	-3.47	-6.06	-6.03	-3.50	-0.27	81.02	-27.42	44.51	9.09	51.25
		583	0.59	-3.48	-6.06	-6.03	-3.51	-0.27	88.81	-24.85	45.62	18.34	55.17
377	12	525	1.69	11.27	-4.80	8.15	-1.68	6.36	276.61	12.50	262.78	26.34	58.85
		529	1.72	11.25	-4.86	8.14	-1.75	6.36	279.05	8.16	262.57	24.64	64.75
		599	1.77	9.30	-5.60	5.74	-2.04	6.36	304.65	13.52	290.21	27.96	63.21
		583	1.74	9.32	-5.55	5.74	-1.97	6.36	302.45	17.61	290.41	29.65	57.31
377	14	525	0.39	1.76	-1.97	1.75	-1.96	-0.19	66.06	-14.85	38.91	12.30	38.20
		529	0.39	1.77	-1.95	1.76	-1.94	-0.19	61.67	-16.64	38.24	6.79	35.86
		599	0.34	-2.55	-3.67	-3.64	-2.59	-0.19	49.10	-16.35	27.28	5.47	30.86
		583	0.36	-2.58	-3.68	-3.64	-2.61	-0.19	53.73	-14.80	27.94	10.99	33.20
377	16	525	0.35	1.64	-2.00	1.63	-1.99	-0.19	58.92	-13.15	34.84	10.93	33.99
		529	0.35	1.65	-1.97	1.64	-1.96	-0.19	55.04	-14.75	34.25	6.04	31.92
		599	0.30	-2.50	-3.29	-3.25	-2.55	-0.19	43.90	-14.49	24.54	4.87	27.49
		583	0.32	-2.53	-3.30	-3.25	-2.58	-0.19	47.99	-13.10	25.12	9.76	29.56
378	2	529	0.77	2.69	-2.47	2.67	-2.45	-0.33	141.85	5.02	127.79	19.08	41.55
		537	0.71	2.71	-2.29	2.69	-2.27	-0.33	130.61	13.71	127.52	16.80	18.75
		161	0.30	-3.33	-6.48	-6.45	-3.37	-0.33	31.08	-6.28	20.80	3.99	16.68
		599	0.43	-3.51	-6.51	-6.47	-3.55	-0.33	53.84	-26.49	21.08	6.28	39.47
378	10	529	2.51	13.73	-2.95	13.01	-2.23	3.39	443.09	34.49	440.31	37.27	33.62
		537	2.50	13.92	-1.80	13.15	-1.03	3.39	441.94	32.97	440.02	34.89	27.98
		161	2.36	13.52	-1.87	12.74	-1.08	3.39	415.39	29.99	413.66	31.73	25.83
		599	2.38	13.33	-3.02	12.59	-2.28	3.39	416.53	31.52	413.94	34.11	31.46
378	14	529	0.48	1.74	-1.96	1.73	-1.94	-0.21	86.62	3.24	78.27	11.59	25.03
		537	0.44	1.75	-1.85	1.74	-1.84	-0.21	79.93	8.43	78.11	10.24	11.24
		161	0.18	-2.49	-3.95	-3.91	-2.52	-0.21	19.48	-3.41	13.57	2.50	10.02
		599	0.26	-2.59	-3.96	-3.93	-2.62	-0.21	33.10	-15.52	13.73	3.85	23.80
378	16	529	0.43	1.61	-1.98	1.60	-1.97	-0.20	77.76	3.00	70.38	10.38	22.30
		537	0.40	1.62	-1.88	1.61	-1.87	-0.20	71.83	7.59	70.24	9.18	9.99
		161	0.16	-2.45	-3.54	-3.50	-2.49	-0.20	17.75	-2.86	12.62	2.27	8.91
		599	0.24	-2.54	-3.55	-3.51	-2.58	-0.20	29.83	-13.61	12.76	3.46	21.22
379	2	345	4.50	27.96	-16.84	27.80	-16.68	2.66	-76.50	-746.34	-745.43	-77.41	24.78
		460	4.55	27.67	-19.18	27.52	-19.03	2.66	-65.76	-752.18	-744.90	-73.03	70.30
		603	3.33	17.90	-20.39	17.72	-20.21	2.66	-36.32	-542.92	-531.79	-47.46	74.27
		518	3.26	18.19	-18.06	18.00	-17.86	2.66	-50.13	-534.03	-532.31	-51.84	28.75
379	11	345	4.59	30.82	-31.00	25.42	-25.60	-17.45	-67.17	-717.08	-715.31	-68.94	33.88
		460	4.69	30.09	-34.50	24.97	-29.38	-17.45	-61.65	-719.51	-714.98	-66.18	54.43
		603	4.13	24.61	-35.66	19.04	-30.09	-17.45	-48.95	-624.43	-618.75	-54.64	56.92
		518	4.02	25.39	-32.20	19.50	-26.31	-17.45	-55.04	-621.42	-619.08	-57.39	36.37
379	14	345	2.70	16.94	-12.88	16.84	-12.78	1.76	-41.62	-437.07	-436.66	-42.03	12.73
		460	2.74	16.72	-14.69	16.62	-14.59	1.76	-34.47	-439.79	-436.19	-38.07	38.05
		603	2.06	10.84	-15.42	10.73	-15.30	1.76	-18.06	-323.44	-317.66	-23.85	41.63
		518	2.01	11.07	-13.61	10.94	-13.49	1.76	-26.89	-319.05	-318.13	-27.80	16.32
379	16	345	2.41	15.14	-12.86	15.04	-12.76	1.65	-34.82	-383.09	-382.79	-35.12	10.24
		460	2.45	14.92	-14.66	14.83	-14.57	1.65	-28.09	-385.13	-382.29	-30.94	31.73
		603	1.86	9.69	-15.31	9.58	-15.20	1.65	-14.14	-286.37	-281.65	-18.86	35.53
		518	1.81	9.92	-13.51	9.80	-13.39	1.65	-22.29	-282.91	-282.15	-23.05	14.03
380	2	460	2.32	28.52	-19.11	28.34	-18.93	2.95	23.20	-266.50	-231.83	-11.46	94.02
		576	2.41	28.27	-21.15	28.10	-20.98	2.95	39.67	-272.42	-230.70	-2.05	106.20
		462	1.97	18.39	-22.38	18.18	-22.17	2.95	60.91	-229.78	-173.67	4.79	114.73
		603	1.87	18.65	-20.34	18.42	-20.12	2.95	43.55	-222.96	-174.80	-4.62	102.55

380	11	460	3.19	32.44	-37.28	24.58	-29.42	-22.05	1.88	-327.04	-307.83	-17.33	77.13
		576	3.24	32.11	-38.69	24.40	-30.98	-22.05	7.34	-328.11	-307.36	-13.41	80.81
		462	3.08	26.96	-39.97	18.67	-31.67	-22.05	12.20	-313.66	-290.12	-11.34	84.36
		603	3.03	27.33	-38.58	18.86	-30.11	-22.05	6.64	-312.49	-290.59	-15.26	80.68
380	14	460	1.43	17.30	-14.65	17.18	-14.52	2.00	15.15	-149.24	-132.47	-1.62	49.75
		576	1.49	17.11	-16.20	16.99	-16.08	2.00	26.94	-151.30	-131.43	7.07	56.09
		462	1.25	11.17	-16.93	11.03	-16.79	2.00	39.59	-130.72	-101.76	10.63	63.97
		603	1.18	11.37	-15.39	11.22	-15.24	2.00	27.44	-128.31	-102.81	1.94	57.64
380	16	460	1.29	15.47	-14.63	15.35	-14.51	1.90	14.20	-127.39	-114.41	1.21	40.86
		576	1.35	15.28	-16.17	15.17	-16.05	1.90	25.71	-128.52	-113.30	10.48	46.01
		462	1.16	10.00	-16.82	9.87	-16.69	1.90	36.85	-112.71	-89.23	13.37	54.41
		603	1.08	10.19	-15.29	10.05	-15.15	1.90	25.12	-111.36	-90.34	4.10	49.27
381	2	576	2.00	28.74	-21.04	28.62	-20.91	2.48	205.95	-28.24	135.78	41.93	107.28
		578	1.96	28.56	-22.56	28.44	-22.44	2.48	201.56	-12.24	137.02	52.30	98.15
		464	1.64	18.84	-23.75	18.70	-23.61	2.48	180.80	-39.39	94.25	47.16	107.55
		462	1.70	19.03	-22.23	18.88	-22.08	2.48	184.92	-55.12	93.00	36.79	116.68
381	12	576	3.44	37.00	-41.65	9.10	-13.75	37.63	420.73	36.53	401.96	55.30	82.83
		578	3.37	34.91	-45.12	8.50	-18.72	37.63	415.41	48.83	402.71	61.53	67.05
		464	3.15	33.26	-46.10	6.15	-19.00	37.63	346.82	34.70	328.85	52.67	72.70
		462	3.23	35.40	-42.68	6.75	-14.03	37.63	353.59	20.95	328.10	46.44	88.48
381	14	576	1.21	17.41	-16.12	17.33	-16.04	1.69	118.34	-4.33	81.40	32.61	56.28
		578	1.19	17.28	-17.26	17.19	-17.18	1.69	117.23	7.42	82.54	42.11	51.05
		464	1.01	11.47	-17.97	11.37	-17.88	1.69	109.02	-11.78	58.07	39.17	59.66
		462	1.04	11.61	-16.83	11.51	-16.73	1.69	109.60	-23.00	56.93	29.68	64.89
381	16	576	1.09	15.56	-16.10	15.48	-16.02	1.61	102.56	2.52	72.32	32.75	45.94
		578	1.06	15.43	-17.22	15.35	-17.14	1.61	102.36	14.02	73.53	42.85	41.42
		464	0.91	10.28	-17.86	10.19	-17.76	1.61	97.28	-4.58	52.38	40.31	50.57
		462	0.94	10.42	-16.73	10.32	-16.63	1.61	96.77	-15.38	51.17	30.22	55.09
382	4	578	2.90	28.62	-17.38	28.58	-17.34	1.42	406.69	41.45	381.14	67.01	93.17
		580	2.85	28.53	-18.13	28.49	-18.09	1.42	396.61	56.41	381.66	71.36	69.73
		466	2.13	18.91	-19.30	18.85	-19.24	1.42	294.85	35.26	271.91	58.19	73.67
		464	2.21	19.00	-18.55	18.94	-18.49	1.42	308.43	16.80	271.39	53.84	97.11
382	12	578	3.58	36.85	-43.65	11.55	-18.35	37.37	485.35	64.94	479.54	70.75	49.08
		580	3.51	35.07	-47.02	11.00	-22.95	37.37	482.82	76.62	480.52	78.92	30.48
		466	3.20	33.30	-47.94	8.60	-23.24	37.37	397.78	64.11	393.42	68.47	37.88
		464	3.28	35.13	-44.61	9.16	-18.64	37.37	401.79	50.96	392.44	60.30	56.48
382	14	578	1.73	17.43	-17.19	17.40	-17.15	1.11	228.57	47.03	217.31	58.28	43.78
		580	1.70	17.35	-17.88	17.31	-17.84	1.11	224.59	58.83	218.15	65.26	32.02
		466	1.33	11.67	-18.57	11.63	-18.53	1.11	175.68	46.09	163.11	58.66	38.35
		464	1.36	11.76	-17.88	11.72	-17.83	1.11	181.60	32.35	162.27	51.68	50.11
382	16	578	1.53	15.57	-17.16	15.53	-17.12	1.05	198.90	47.93	190.01	56.83	35.55
		580	1.51	15.48	-17.84	15.45	-17.80	1.05	195.93	59.22	190.90	64.25	25.74
		466	1.19	10.47	-18.44	10.43	-18.41	1.05	155.83	47.88	144.97	58.74	32.46
		464	1.23	10.55	-17.76	10.51	-17.73	1.05	160.46	34.94	144.08	51.32	42.27
383	4	580	3.35	28.65	-18.07	28.65	-18.07	0.49	506.87	81.15	502.20	85.82	44.33
		582	3.33	28.62	-18.32	28.62	-18.32	0.49	502.88	86.90	502.39	87.39	14.27
		468	2.43	19.06	-19.47	19.05	-19.47	0.49	362.54	69.67	361.69	70.51	15.70
		466	2.46	19.09	-19.22	19.08	-19.21	0.49	368.49	61.95	361.50	68.94	45.75
383	8	580	3.59	27.20	-42.59	24.54	-39.93	13.37	515.82	125.70	515.72	125.80	6.21
		582	3.60	26.93	-44.35	24.32	-41.75	13.37	516.16	129.37	516.15	129.37	-1.49
		468	3.29	21.23	-45.26	18.42	-42.46	13.37	480.12	125.04	480.11	125.05	1.74
		466	3.29	21.51	-43.51	18.64	-40.64	13.37	479.93	121.23	479.68	121.48	9.44
383	14	580	1.98	17.41	-17.84	17.41	-17.83	0.38	285.55	71.05	283.49	73.11	20.88
		582	1.96	17.39	-18.07	17.38	-18.06	0.38	283.98	75.46	283.80	75.64	6.17
		468	1.51	11.78	-18.74	11.78	-18.74	0.38	215.43	66.89	214.94	67.38	8.47
		466	1.52	11.81	-18.51	11.81	-18.51	0.38	218.14	61.34	214.64	64.84	23.17
383	16	580	1.75	15.54	-17.80	15.54	-17.79	0.36	248.66	69.37	247.04	70.99	16.97
		582	1.74	15.51	-18.02	15.51	-18.02	0.36	247.50	73.55	247.37	73.68	4.82
		468	1.35	10.57	-18.62	10.56	-18.61	0.36	190.91	66.43	190.48	66.85	7.26
		466	1.36	10.60	-18.39	10.59	-18.39	0.36	193.08	61.24	190.16	64.16	19.41
384	4	582	3.33	28.62	-18.32	28.62	-18.32	-0.49	502.88	86.90	502.39	87.39	-14.27
		584	3.35	28.65	-18.07	28.65	-18.07	-0.49	506.87	81.15	502.20	85.82	-44.33
		470	2.46	19.09	-19.22	19.08	-19.21	-0.49	368.49	61.95	361.50	68.94	-45.75
		468	2.43	19.06	-19.47	19.05	-19.47	-0.49	362.54	69.67	361.69	70.51	-15.70
384	7	582	3.60	26.93	-44.35	24.32	-41.75	-13.37	516.16	129.37	516.15	129.37	1.49
		584	3.59	27.20	-42.59	24.54	-39.93	-13.37	515.82	125.70	515.72	125.80	-6.21
		470	3.29	21.51	-43.51	18.64	-40.64	-13.37	479.93	121.23	479.68	121.48	-9.44
		468	3.29	21.23	-45.26	18.42	-42.46	-13.37	480.12	125.04	480.11	125.05	-1.74
384	14	582	1.96	17.39	-18.07	17.38	-18.06	-0.38	283.98	75.46	283.80	75.64	-6.17
		584	1.98	17.41	-17.84	17.41	-17.83	-0.38	285.55	71.05	283.49	73.11	-20.88
		470	1.52	11.81	-18.51	11.81	-18.51	-0.38	218.14	61.34	214.64	64.84	-23.17
		468	1.51	11.78	-18.74	11.78	-18.74	-0.38	215.43	66.89	214.94	67.38	-8.47
384	16	582	1.74	15.51	-18.02	15.51	-18.02	-0.36	247.50	73.55	247.37	73.68	-4.82
		584	1.75	15.54	-17.80	15.54	-17.79	-0.36	248.66	69.37	247.04	70.99	-16.97
		470	1.36	10.60	-18.39	10.59	-18.39	-0.36	193.08	61.24	190.16	64.16	-19.41
		468	1.35	10.57	-18.62	10.56	-18.61	-0.36	190.91	66.43	190.48	66.85	-7.26
385	4	584	2.85	28.53	-18.13	28.49	-18.09	-1.42	396.61	56.41	381.66	71.36	-69.73

		586	2.90	28.62	-17.38	28.58	-17.34	-1.42	406.69	41.45	381.14	67.01	-93.17
		472	2.21	19.00	-18.55	18.94	-18.49	-1.42	308.43	16.80	271.39	53.84	-97.11
		470	2.13	18.91	-19.30	18.85	-19.24	-1.42	294.85	35.26	271.91	58.19	-73.67
385	11	584	3.51	35.07	-47.02	11.00	-22.95	-37.37	482.82	76.62	480.52	78.92	-30.48
		586	3.58	36.85	-43.65	11.55	-18.35	-37.37	485.35	64.94	479.54	70.75	-49.08
		472	3.28	35.13	-44.61	9.16	-18.64	-37.37	401.79	50.96	392.44	60.30	-56.48
		470	3.20	33.30	-47.94	8.60	-23.24	-37.37	397.78	64.11	393.42	68.47	-37.88
385	14	584	1.70	17.35	-17.88	17.31	-17.84	-1.11	224.59	58.83	218.15	65.26	-32.02
		586	1.73	17.43	-17.19	17.40	-17.15	-1.11	228.57	47.03	217.31	58.28	-43.78
		472	1.36	11.76	-17.88	11.72	-17.83	-1.11	181.60	32.35	162.27	51.68	-50.11
		470	1.33	11.67	-18.57	11.63	-18.53	-1.11	175.68	46.09	163.11	58.66	-38.35
385	16	584	1.51	15.48	-17.84	15.45	-17.80	-1.05	195.93	59.22	190.90	64.25	-25.74
		586	1.53	15.57	-17.16	15.53	-17.12	-1.05	198.90	47.93	190.01	56.83	-35.55
		472	1.23	10.55	-17.76	10.51	-17.73	-1.05	160.46	34.94	144.08	51.32	-42.27
		470	1.19	10.47	-18.44	10.43	-18.41	-1.05	155.83	47.88	144.97	58.74	-32.46
386	2	586	1.96	28.56	-22.56	28.44	-22.44	-2.48	201.56	-12.24	137.02	52.30	-98.15
		588	2.00	28.74	-21.04	28.62	-20.91	-2.48	205.95	-28.24	135.78	41.93	-107.28
		474	1.70	19.03	-22.23	18.88	-22.08	-2.48	184.92	-55.12	93.00	36.79	-116.68
		472	1.64	18.84	-23.75	18.70	-23.61	-2.48	180.80	-39.39	94.25	47.16	-107.55
386	11	586	3.37	34.91	-45.12	8.50	-18.72	-37.63	415.41	48.83	402.71	61.53	-67.05
		588	3.44	37.00	-41.65	9.10	-13.75	-37.63	420.73	36.53	401.96	55.30	-82.83
		474	3.23	35.40	-42.68	6.75	-14.03	-37.63	353.59	20.95	328.10	46.44	-88.48
		472	3.15	33.26	-46.10	6.15	-19.00	-37.63	346.82	34.70	328.85	52.67	-72.70
386	14	586	1.19	17.28	-17.26	17.19	-17.18	-1.69	117.23	7.42	82.54	42.11	-51.05
		588	1.21	17.41	-16.12	17.33	-16.04	-1.69	118.34	-4.33	81.40	32.61	-56.28
		474	1.04	11.61	-16.83	11.51	-16.73	-1.69	109.60	-23.00	56.93	29.68	-64.89
		472	1.01	11.47	-17.97	11.37	-17.88	-1.69	109.02	-11.78	58.07	39.17	-59.66
386	16	586	1.06	15.43	-17.22	15.35	-17.14	-1.61	102.36	14.02	73.53	42.85	-41.42
		588	1.09	15.56	-16.10	15.48	-16.02	-1.61	102.56	2.52	72.32	32.75	-45.94
		474	0.94	10.42	-16.73	10.32	-16.63	-1.61	96.77	-15.38	51.17	30.22	-55.09
		472	0.91	10.28	-17.86	10.19	-17.76	-1.61	97.28	-4.58	52.38	40.31	-50.57
387	2	588	2.41	28.27	-21.15	28.10	-20.98	-2.95	39.67	-272.42	-230.70	-2.05	-106.20
		590	2.32	28.52	-19.11	28.34	-18.93	-2.95	23.20	-266.50	-231.83	-11.46	-94.02
		477	1.87	18.65	-20.34	18.42	-20.12	-2.95	43.55	-222.96	-174.80	-4.62	-102.55
		474	1.97	18.39	-22.38	18.18	-22.17	-2.95	60.91	-229.78	-173.67	4.79	-114.73
387	12	588	3.24	32.11	-38.69	24.40	-30.98	22.05	7.34	-328.11	-307.36	-13.41	-80.81
		590	3.19	32.44	-37.28	24.58	-29.42	22.05	1.88	-327.04	-307.83	-17.33	-77.13
		477	3.03	27.33	-38.58	18.86	-30.11	22.05	6.64	-312.49	-290.59	-15.26	-80.68
		474	3.08	26.96	-39.97	18.67	-31.67	22.05	12.20	-313.66	-290.12	-11.34	-84.36
387	14	588	1.49	17.11	-16.20	16.99	-16.08	-2.00	26.94	-151.30	-131.43	7.07	-56.09
		590	1.43	17.30	-14.65	17.18	-14.52	-2.00	15.15	-149.24	-132.47	-1.62	-49.75
		477	1.18	11.37	-15.39	11.22	-15.24	-2.00	27.44	-128.31	-102.81	1.94	-57.64
		474	1.25	11.17	-16.93	11.03	-16.79	-2.00	39.59	-130.72	-101.76	10.63	-63.97
387	16	588	1.35	15.28	-16.17	15.17	-16.05	-1.90	25.71	-128.52	-113.30	10.48	-46.01
		590	1.29	15.47	-14.63	15.35	-14.51	-1.90	14.20	-127.39	-114.41	1.21	-40.86
		477	1.08	10.19	-15.29	10.05	-15.15	-1.90	25.12	-111.36	-90.34	4.10	-49.27
		474	1.16	10.00	-16.82	9.87	-16.69	-1.90	36.85	-112.71	-89.23	13.37	-54.41
388	2	590	4.55	27.67	-19.18	27.52	-19.03	-2.66	-65.76	-752.18	-744.90	-73.03	-70.30
		458	4.50	27.96	-16.84	27.80	-16.68	-2.66	-76.50	-746.34	-745.43	-77.41	-24.78
		587	3.26	18.19	-18.06	18.00	-17.86	-2.66	-50.13	-534.03	-532.31	-51.84	-28.75
		477	3.33	17.90	-20.39	17.72	-20.21	-2.66	-36.32	-542.92	-531.79	-47.46	-74.27
388	12	590	4.69	30.09	-34.50	24.97	-29.38	17.45	-61.65	-719.51	-714.98	-66.18	-54.43
		458	4.59	30.82	-31.00	25.42	-25.60	17.45	-67.17	-717.08	-715.31	-68.94	-33.88
		587	4.02	25.39	-32.20	19.50	-26.31	17.45	-55.04	-621.42	-619.08	-57.39	-36.37
		477	4.13	24.61	-35.66	19.04	-30.09	17.45	-48.95	-624.43	-618.75	-54.64	-56.92
388	14	590	2.74	16.72	-14.69	16.62	-14.59	-1.76	-34.47	-439.79	-436.19	-38.07	-38.05
		458	2.70	16.94	-12.88	16.84	-12.78	-1.76	-41.62	-437.07	-436.66	-42.03	-12.73
		587	2.01	11.07	-13.61	10.94	-13.49	-1.76	-26.89	-319.05	-318.13	-27.80	-16.32
		477	2.06	10.84	-15.42	10.73	-15.30	-1.76	-18.06	-323.44	-317.66	-23.85	-41.63
388	16	590	2.45	14.92	-14.66	14.83	-14.57	-1.65	-28.09	-385.13	-382.29	-30.94	-31.73
		458	2.41	15.14	-12.86	15.04	-12.76	-1.65	-34.82	-383.09	-382.79	-35.12	-10.24
		587	1.81	9.92	-13.51	9.80	-13.39	-1.65	-22.29	-282.91	-282.15	-23.05	-14.03
		477	1.86	9.69	-15.31	9.58	-15.20	-1.65	-14.14	-286.37	-281.65	-18.86	-35.53
389	2	499	3.18	18.61	-13.50	18.53	-13.42	1.57	536.02	66.73	534.30	68.44	-28.29
		479	3.22	18.57	-13.76	18.50	-13.68	1.57	546.55	59.96	534.71	71.80	-74.98
		443	1.98	9.01	-14.94	8.91	-14.83	1.57	334.07	27.64	316.14	45.57	-71.93
		541	1.92	9.04	-14.68	8.94	-14.57	1.57	318.04	39.90	315.73	42.21	-25.25
389	9	499	3.78	25.32	-18.52	20.96	-14.16	-13.12	622.88	70.39	620.88	72.39	-33.18
		479	3.86	24.72	-21.22	20.60	-17.11	-13.12	626.90	70.94	621.37	76.47	-55.17
		443	3.25	19.54	-22.40	14.93	-17.79	-13.12	524.19	58.36	518.43	64.12	-51.47
		541	3.17	20.20	-19.75	15.29	-14.84	-13.12	519.83	58.15	517.94	60.04	-29.48
389	14	499	1.94	11.39	-10.26	11.34	-10.21	1.05	320.51	38.90	319.58	39.84	-16.22
		479	1.97	11.35	-10.56	11.30	-10.51	1.05	326.46	34.64	319.76	41.34	-43.70
		443	1.24	5.47	-11.28	5.40	-11.22	1.05	201.33	15.68	191.11	25.90	-42.34
		541	1.20	5.51	-10.98	5.44	-10.91	1.05	192.25	23.09	190.93	24.40	-14.87
389	16	499	1.74	10.24	-10.21	10.19	-10.16	0.99	284.35	34.01	283.56	34.80	-14.04
		479	1.77	10.19	-10.55	10.15	-10.51	0.99	289.44	30.11	283.69	35.87	-38.20

		443	1.13	4.89	-11.20	4.83	-11.14	0.99	179.42	13.48	170.60	22.30	-37.23
		541	1.09	4.94	-10.86	4.87	-10.80	0.99	171.60	20.09	170.47	21.23	-13.07
390	2	479	1.75	19.30	-13.69	19.21	-13.60	1.78	230.60	-23.92	177.72	28.96	-103.26
		481	1.80	19.20	-14.53	19.11	-14.43	1.78	243.45	-30.24	178.42	34.79	-116.48
		448	1.34	9.56	-15.72	9.43	-15.59	1.78	191.73	-47.87	116.50	27.36	-111.20
		443	1.27	9.67	-14.89	9.54	-14.76	1.78	177.38	-40.06	115.80	21.53	-97.97
390	11	479	2.66	30.47	-25.96	16.61	-12.10	-24.29	313.67	29.85	296.80	46.72	-67.12
		481	2.69	30.53	-25.83	16.63	-11.93	-24.29	315.34	25.04	296.46	43.92	-71.58
		448	2.54	26.38	-27.72	11.24	-12.58	-24.29	297.06	19.92	275.57	41.41	-74.12
		443	2.51	26.32	-27.85	11.22	-12.75	-24.29	295.24	24.88	275.91	44.21	-69.65
390	14	479	1.08	11.86	-10.52	11.79	-10.45	1.24	134.80	-14.34	104.91	15.56	-59.71
		481	1.11	11.78	-11.19	11.71	-11.12	1.24	141.69	-18.77	105.17	17.75	-67.28
		448	0.84	5.83	-11.92	5.74	-11.83	1.24	112.69	-29.48	69.72	13.50	-65.29
		443	0.80	5.91	-11.26	5.82	-11.17	1.24	105.00	-24.25	69.45	11.30	-57.72
390	16	479	0.97	10.68	-10.52	10.61	-10.45	1.19	118.04	-12.75	92.38	12.91	-51.94
		481	1.00	10.60	-11.19	10.53	-11.13	1.19	123.76	-17.02	92.53	14.20	-58.48
		448	0.77	5.23	-11.85	5.15	-11.77	1.19	99.00	-26.60	61.88	10.52	-57.31
		443	0.73	5.31	-11.18	5.23	-11.10	1.19	92.63	-21.67	61.72	9.23	-50.77
391	2	481	1.66	19.88	-14.42	19.81	-14.35	1.58	84.15	-169.61	-88.25	2.79	-118.43
		483	1.64	19.78	-15.23	19.71	-15.16	1.58	79.91	-159.01	-87.57	8.47	-109.38
		451	1.32	10.02	-16.43	9.92	-16.34	1.58	92.47	-124.12	-45.21	13.56	-104.23
		448	1.35	10.12	-15.62	10.02	-15.52	1.58	97.42	-135.43	-45.89	7.88	-113.28
391	10	481	2.85	28.12	-31.35	7.18	-10.41	28.40	-3.48	-348.36	-325.67	-26.17	-85.51
		483	2.82	26.91	-33.35	6.84	-13.28	28.40	-1.71	-341.89	-324.78	-18.81	-74.34
		451	2.54	23.71	-35.32	2.22	-13.83	28.40	4.02	-289.05	-272.49	-12.54	-67.67
		448	2.58	25.00	-33.40	2.57	-10.97	28.40	2.62	-295.89	-273.38	-19.90	-78.84
391	14	481	1.03	12.24	-11.11	12.19	-11.06	1.11	45.61	-100.43	-53.52	-1.29	-68.19
		483	1.02	12.17	-11.74	12.12	-11.69	1.11	42.00	-94.66	-53.29	0.62	-62.79
		451	0.82	6.14	-12.48	6.07	-12.41	1.11	50.90	-75.24	-28.00	3.66	-61.05
		448	0.84	6.21	-11.86	6.14	-11.79	1.11	54.88	-81.37	-28.23	1.74	-66.45
391	16	481	0.93	11.04	-11.12	10.99	-11.07	1.07	38.08	-88.59	-47.86	-2.65	-59.17
		483	0.92	10.97	-11.75	10.91	-11.70	1.07	34.33	-83.77	-47.75	-1.70	-54.38
		451	0.75	5.52	-12.42	5.45	-12.35	1.07	42.94	-67.28	-25.33	0.99	-53.52
		448	0.77	5.59	-11.79	5.53	-11.73	1.07	46.98	-72.38	-25.44	0.04	-58.31
392	2	483	2.24	20.25	-15.13	20.22	-15.10	1.06	17.81	-294.84	-264.29	-12.73	-92.83
		486	2.20	20.18	-15.69	20.15	-15.65	1.06	9.39	-281.94	-263.81	-8.73	-70.38
		456	1.52	10.33	-16.88	10.29	-16.84	1.06	27.77	-182.60	-158.71	3.88	-66.75
		451	1.59	10.40	-16.33	10.36	-16.29	1.06	39.86	-199.16	-159.19	-0.12	-89.20
392	10	483	2.98	28.59	-31.66	9.84	-12.91	27.90	-17.34	-397.48	-388.38	-26.45	-58.12
		486	2.92	27.55	-33.63	9.52	-15.60	27.90	-19.31	-392.67	-388.08	-23.91	-41.17
		456	2.54	24.16	-35.46	4.86	-16.16	27.90	-9.34	-313.75	-308.71	-14.39	-38.87
		451	2.61	25.27	-33.56	5.18	-13.47	27.90	-6.62	-319.32	-309.01	-16.92	-55.82
392	14	483	1.38	12.48	-11.67	12.46	-11.65	0.75	5.51	-174.88	-157.50	-11.88	-53.23
		486	1.35	12.43	-12.09	12.41	-12.07	0.75	-0.35	-167.63	-157.35	-10.63	-40.18
		456	0.95	6.35	-12.83	6.32	-12.80	0.75	10.93	-110.46	-96.23	-3.30	-39.05
		451	0.99	6.40	-12.41	6.37	-12.38	0.75	18.98	-119.91	-96.38	-4.55	-52.10
392	16	483	1.24	11.26	-11.68	11.24	-11.66	0.73	2.28	-154.43	-139.45	-12.70	-46.08
		486	1.22	11.21	-12.10	11.19	-12.07	0.73	-3.33	-148.23	-139.39	-12.17	-34.69
		456	0.87	5.72	-12.76	5.69	-12.73	0.73	6.82	-98.65	-86.05	-5.77	-34.20
		451	0.90	5.77	-12.35	5.74	-12.32	0.73	14.38	-106.80	-86.11	-6.30	-45.60
393	2	486	2.53	20.41	-15.63	20.41	-15.62	0.37	-13.65	-357.37	-351.73	-19.28	-43.64
		488	2.51	20.39	-15.82	20.39	-15.82	0.37	-17.18	-352.23	-351.56	-17.85	-14.98
		478	1.66	10.50	-17.01	10.49	-17.00	0.37	-0.89	-218.27	-217.41	-1.75	-13.68
		456	1.69	10.52	-16.82	10.52	-16.81	0.37	4.87	-225.64	-217.58	-3.19	-42.34
393	6	486	3.15	22.59	-27.38	20.48	-25.28	10.04	-79.34	-475.03	-474.67	-79.70	-11.96
		488	3.15	22.41	-28.45	20.35	-26.38	10.04	-79.91	-474.71	-474.69	-79.93	-2.67
		478	2.79	16.37	-29.45	14.05	-27.14	10.04	-74.69	-431.23	-431.21	-74.71	-2.87
		456	2.79	16.55	-28.40	14.18	-26.03	10.04	-74.07	-431.59	-431.18	-74.48	-12.16
393	14	486	1.55	12.58	-12.05	12.58	-12.04	0.27	-13.61	-212.08	-208.87	-16.82	-25.01
		488	1.54	12.57	-12.19	12.56	-12.19	0.27	-16.01	-209.19	-208.82	-16.38	-8.47
		478	1.04	6.46	-12.93	6.46	-12.92	0.27	-6.57	-131.91	-131.39	-7.09	-8.07
		456	1.06	6.48	-12.78	6.48	-12.78	0.27	-2.81	-136.15	-131.44	-7.52	-24.61
393	16	486	1.39	11.35	-12.06	11.35	-12.05	0.26	-14.84	-187.33	-184.57	-17.60	-21.63
		488	1.38	11.34	-12.20	11.33	-12.20	0.26	-17.11	-184.87	-184.55	-17.43	-7.26
		478	0.95	5.83	-12.86	5.82	-12.86	0.26	-8.89	-117.73	-117.27	-9.35	-7.11
		456	0.96	5.84	-12.72	5.84	-12.72	0.26	-5.40	-121.41	-117.29	-9.52	-21.48
394	2	488	2.51	20.39	-15.82	20.39	-15.82	-0.37	-17.18	-352.23	-351.56	-17.85	14.98
		490	2.53	20.41	-15.63	20.41	-15.62	-0.37	-13.65	-357.37	-351.73	-19.28	43.64
		511	1.69	10.52	-16.82	10.52	-16.81	-0.37	4.87	-225.64	-217.58	-3.19	42.34
		478	1.66	10.50	-17.01	10.49	-17.00	-0.37	-0.89	-218.27	-217.41	-1.75	13.68
394	5	488	3.15	22.41	-28.45	20.35	-26.38	-10.04	-79.91	-474.71	-474.69	-79.93	2.67
		490	3.15	22.59	-27.38	20.48	-25.28	-10.04	-79.34	-475.03	-474.67	-79.70	11.96
		511	2.79	16.55	-28.40	14.18	-26.03	-10.04	-74.07	-431.59	-431.18	-74.48	12.16
		478	2.79	16.37	-29.45	14.05	-27.14	-10.04	-74.69	-431.23	-431.21	-74.71	2.87
394	14	488	1.54	12.57	-12.19	12.56	-12.19	-0.27	-16.01	-209.19	-208.82	-16.38	8.47
		490	1.55	12.58	-12.05	12.58	-12.04	-0.27	-13.61	-212.08	-208.87	-16.82	25.01
		511	1.06	6.48	-12.78	6.48	-12.78	-0.27	-2.81	-136.15	-131.44	-7.52	24.61

		478	1.04	6.46	-12.93	6.46	-12.92	-0.27	-6.57	-131.91	-131.39	-7.09	8.07
394	16	488	1.38	11.34	-12.20	11.33	-12.20	-0.26	-17.11	-184.87	-184.55	-17.43	7.26
		490	1.39	11.35	-12.06	11.35	-12.05	-0.26	-14.84	-187.33	-184.57	-17.60	21.63
		511	0.96	5.84	-12.72	5.84	-12.72	-0.26	-5.40	-121.41	-117.29	-9.52	21.48
		478	0.95	5.83	-12.86	5.82	-12.86	-0.26	-8.89	-117.73	-117.27	-9.35	7.11
395	2	490	2.20	20.18	-15.69	20.15	-15.65	-1.06	9.39	-281.94	-263.81	-8.73	70.38
		492	2.24	20.25	-15.13	20.22	-15.10	-1.06	17.81	-294.84	-264.29	-12.73	92.83
		524	1.59	10.40	-16.33	10.36	-16.29	-1.06	39.86	-199.16	-159.19	-0.12	89.20
		511	1.52	10.33	-16.88	10.29	-16.84	-1.06	27.77	-182.60	-158.71	3.88	66.75
395	9	490	2.92	27.55	-33.63	9.52	-15.60	-27.90	-19.31	-392.67	-388.08	-23.91	41.17
		492	2.98	28.59	-31.66	9.84	-12.91	-27.90	-17.34	-397.48	-388.38	-26.45	58.12
		524	2.61	25.27	-33.56	5.18	-13.47	-27.90	-6.62	-319.32	-309.01	-16.92	55.82
		511	2.54	24.16	-35.46	4.86	-16.16	-27.90	-9.34	-313.75	-308.71	-14.39	38.87
395	14	490	1.35	12.43	-12.09	12.41	-12.07	-0.75	-0.35	-167.63	-157.35	-10.63	40.18
		492	1.38	12.48	-11.67	12.46	-11.65	-0.75	5.51	-174.88	-157.50	-11.88	53.23
		524	0.99	6.40	-12.41	6.37	-12.38	-0.75	18.98	-119.91	-96.38	-4.55	52.10
		511	0.95	6.35	-12.83	6.32	-12.80	-0.75	10.93	-110.46	-96.23	-3.30	39.05
395	16	490	1.22	11.21	-12.10	11.19	-12.07	-0.73	-3.33	-148.23	-139.39	-12.17	34.69
		492	1.24	11.26	-11.68	11.24	-11.66	-0.73	2.28	-154.43	-139.45	-12.70	46.08
		524	0.90	5.77	-12.35	5.74	-12.32	-0.73	14.38	-106.80	-86.11	-6.30	45.60
		511	0.87	5.72	-12.76	5.69	-12.73	-0.73	6.82	-98.65	-86.05	-5.77	34.20
396	2	492	1.64	19.78	-15.23	19.71	-15.16	-1.58	79.91	-159.01	-87.57	8.47	109.38
		494	1.66	19.88	-14.42	19.81	-14.35	-1.58	84.15	-169.61	-88.25	2.79	118.43
		528	1.35	10.12	-15.62	10.02	-15.52	-1.58	97.42	-135.43	-45.89	7.88	113.28
		524	1.32	10.02	-16.43	9.92	-16.34	-1.58	92.47	-124.12	-45.21	13.56	104.23
396	9	492	2.82	26.91	-33.35	6.84	-13.28	-28.40	-1.71	-341.89	-324.78	-18.81	74.34
		494	2.85	28.12	-31.35	7.18	-10.41	-28.40	-3.48	-348.36	-325.67	-26.17	85.51
		528	2.58	25.00	-33.40	2.57	-10.97	-28.40	2.62	-295.89	-273.38	-19.90	78.84
		524	2.54	23.71	-35.32	2.22	-13.83	-28.40	4.02	-289.05	-272.49	-12.54	67.67
396	14	492	1.02	12.17	-11.74	12.12	-11.69	-1.11	42.00	-94.66	-53.29	0.62	62.79
		494	1.03	12.24	-11.11	12.19	-11.06	-1.11	45.61	-100.43	-53.52	-1.29	68.19
		528	0.84	6.21	-11.86	6.14	-11.79	-1.11	54.88	-81.37	-28.23	1.74	66.45
		524	0.82	6.14	-12.48	6.07	-12.41	-1.11	50.90	-75.24	-28.00	3.66	61.05
396	16	492	0.92	10.97	-11.75	10.91	-11.70	-1.07	34.33	-83.77	-47.75	-1.70	54.38
		494	0.93	11.04	-11.12	10.99	-11.07	-1.07	38.08	-88.59	-47.86	-2.65	59.17
		528	0.77	5.59	-11.79	5.53	-11.73	-1.07	46.98	-72.38	-25.44	0.04	58.31
		524	0.75	5.52	-12.42	5.45	-12.35	-1.07	42.94	-67.28	-25.33	0.99	53.52
397	2	494	1.80	19.20	-14.53	19.11	-14.43	-1.78	243.45	-30.24	178.42	34.79	116.48
		496	1.75	19.30	-13.69	19.21	-13.60	-1.78	230.60	-23.92	177.72	28.96	103.26
		533	1.27	9.67	-14.89	9.54	-14.76	-1.78	177.38	-40.06	115.80	21.53	97.97
		528	1.34	9.56	-15.72	9.43	-15.59	-1.78	191.73	-47.87	116.50	27.36	111.20
397	12	494	2.69	30.53	-25.83	16.63	-11.93	24.29	315.34	25.04	296.46	43.92	71.58
		496	2.66	30.47	-25.96	16.61	-12.10	24.29	313.67	29.85	296.80	46.72	67.12
		533	2.51	26.32	-27.85	11.22	-12.75	24.29	295.24	24.88	275.91	44.21	69.65
		528	2.54	26.38	-27.72	11.24	-12.58	24.29	297.06	19.92	275.57	41.41	74.12
397	14	494	1.11	11.78	-11.19	11.71	-11.12	-1.24	141.69	-18.77	105.17	17.75	67.28
		496	1.08	11.86	-10.52	11.79	-10.45	-1.24	134.80	-14.34	104.91	15.56	59.71
		533	0.80	5.91	-11.26	5.82	-11.17	-1.24	105.00	-24.25	69.45	11.30	57.72
		528	0.84	5.83	-11.92	5.74	-11.83	-1.24	112.69	-29.48	69.72	13.50	65.29
397	16	494	1.00	10.60	-11.19	10.53	-11.13	-1.19	123.76	-17.02	92.53	14.20	58.48
		496	0.97	10.68	-10.52	10.61	-10.45	-1.19	118.04	-12.75	92.38	12.91	51.94
		533	0.73	5.31	-11.18	5.23	-11.10	-1.19	92.63	-21.67	61.72	9.23	50.77
		528	0.77	5.23	-11.85	5.15	-11.77	-1.19	99.00	-26.60	61.88	10.52	57.31
398	2	496	3.22	18.57	-13.76	18.50	-13.68	-1.57	546.55	59.96	534.71	71.80	74.98
		521	3.18	18.61	-13.50	18.53	-13.42	-1.57	536.02	66.73	534.30	68.44	28.29
		610	1.92	9.04	-14.68	8.94	-14.57	-1.57	318.04	39.90	315.73	42.21	25.25
		533	1.98	9.01	-14.94	8.91	-14.83	-1.57	334.07	27.64	316.14	45.57	71.93
398	10	496	3.86	24.72	-21.22	20.60	-17.11	13.12	626.90	70.94	621.37	76.47	55.17
		521	3.78	25.32	-18.52	20.96	-14.16	13.12	622.88	70.39	620.88	72.39	33.18
		610	3.17	20.20	-19.75	15.29	-14.84	13.12	519.83	58.15	517.94	60.04	29.48
		533	3.25	19.54	-22.40	14.93	-17.79	13.12	524.19	58.36	518.43	64.12	51.47
398	14	496	1.97	11.35	-10.56	11.30	-10.51	-1.05	326.46	34.64	319.76	41.34	43.70
		521	1.94	11.39	-10.26	11.34	-10.21	-1.05	320.51	38.90	319.58	39.84	16.22
		610	1.20	5.51	-10.98	5.44	-10.91	-1.05	192.25	23.09	190.93	24.40	14.87
		533	1.24	5.47	-11.28	5.40	-11.22	-1.05	201.33	15.68	191.11	25.90	42.34
398	16	496	1.77	10.19	-10.55	10.15	-10.51	-0.99	289.44	30.11	283.69	35.87	38.20
		521	1.74	10.24	-10.21	10.19	-10.16	-0.99	284.35	34.01	283.56	34.80	14.04
		610	1.09	4.94	-10.86	4.87	-10.80	-0.99	171.60	20.09	170.47	21.23	13.07
		533	1.13	4.89	-11.20	4.83	-11.14	-0.99	179.42	13.48	170.60	22.30	37.23
399	2	541	1.92	8.70	-14.63	8.68	-14.61	0.70	317.81	41.73	315.59	43.96	24.68
		607	2.00	8.75	-14.20	8.73	-14.18	0.70	333.76	29.44	315.98	47.22	71.37
		500	3.21	18.15	-13.07	18.14	-13.05	0.70	546.27	61.77	534.59	73.45	74.32
		499	3.17	18.10	-13.49	18.08	-13.48	0.70	535.83	68.55	534.20	70.19	27.63
399	5	541	3.18	20.79	-20.69	15.10	-15.00	14.27	519.82	59.90	518.00	61.71	28.86
		607	3.26	20.20	-22.90	14.80	-17.50	14.27	524.16	60.01	518.48	65.69	51.03
		500	3.86	25.16	-21.69	20.31	-16.84	14.27	627.71	72.71	622.28	78.14	54.63
		499	3.79	25.69	-19.43	20.61	-14.34	14.27	623.72	72.25	621.80	74.17	32.46

399	14	541	1.20	5.29	-10.94	5.28	-10.93	0.38	192.17	24.39	190.82	25.74	14.99
		607	1.24	5.31	-10.82	5.30	-10.81	0.38	201.35	16.90	191.00	27.25	42.46
		500	1.96	11.09	-10.12	11.08	-10.11	0.38	326.37	35.91	319.60	42.68	43.83
		499	1.93	11.07	-10.24	11.07	-10.24	0.38	320.37	40.21	319.42	41.17	16.36
399	16	541	1.09	4.74	-10.82	4.73	-10.81	0.32	171.56	21.35	170.35	22.56	13.42
		607	1.13	4.75	-10.77	4.74	-10.77	0.32	179.54	14.63	170.49	23.68	37.56
		500	1.76	9.96	-10.15	9.95	-10.14	0.32	289.41	31.34	283.50	37.24	38.58
		499	1.74	9.95	-10.19	9.95	-10.19	0.32	284.21	35.28	283.37	36.12	14.44
400	2	607	1.30	8.90	-14.16	8.89	-14.16	0.27	177.09	-38.36	115.57	23.17	97.31
		531	1.37	8.87	-14.37	8.87	-14.37	0.27	191.28	-46.67	116.20	28.41	110.58
		502	1.80	18.07	-13.27	18.07	-13.26	0.27	242.65	-28.46	178.32	35.87	115.34
		500	1.75	18.09	-13.06	18.09	-13.06	0.27	229.96	-21.64	177.69	30.62	102.07
400	6	607	2.53	27.05	-28.73	10.84	-12.53	25.33	296.00	26.76	276.23	46.53	70.23
		531	2.56	27.28	-28.29	10.92	-11.92	25.33	298.01	21.76	275.91	43.86	74.93
		502	2.71	31.11	-26.43	15.99	-11.31	25.33	317.36	27.09	297.95	46.50	72.51
		500	2.69	30.90	-26.90	15.92	-11.92	25.33	315.53	31.91	298.27	49.17	67.80
400	14	607	0.82	5.43	-10.79	5.43	-10.79	0.05	105.37	-23.59	69.16	12.63	57.96
		531	0.86	5.39	-11.06	5.39	-11.06	0.05	113.05	-28.92	69.41	14.72	65.51
		502	1.11	11.06	-10.38	11.06	-10.38	0.05	141.76	-18.03	104.76	18.96	67.40
		500	1.08	11.09	-10.11	11.09	-10.11	0.05	134.87	-13.48	104.51	16.87	59.85
400	16	607	0.75	4.87	-10.75	4.87	-10.75	-6.96e-03	93.22	-21.26	61.38	10.59	51.30
		531	0.78	4.83	-11.07	4.83	-11.07	-6.96e-03	99.63	-26.18	61.54	11.91	57.80
		502	1.00	9.95	-10.45	9.95	-10.45	-6.96e-03	124.08	-16.52	92.00	15.57	59.00
		500	0.97	9.98	-10.14	9.98	-10.14	-6.96e-03	118.32	-12.24	91.84	14.24	52.50
401	2	531	1.25	9.07	-14.34	9.07	-14.34	0.05	97.46	-134.59	-46.07	8.94	112.72
		577	1.21	9.03	-14.66	9.03	-14.66	0.05	92.28	-123.64	-45.46	14.09	103.77
		504	1.53	18.09	-13.58	18.09	-13.58	0.05	79.54	-157.79	-87.32	9.06	108.44
		502	1.56	18.13	-13.26	18.13	-13.26	0.05	84.04	-168.06	-87.94	3.92	117.38
401	7	531	2.54	24.15	-32.42	2.17	-10.45	-27.57	3.67	-297.63	-274.87	-19.08	79.61
		577	2.50	22.94	-34.20	1.85	-13.11	-27.57	4.95	-290.60	-273.98	-11.66	68.08
		504	2.78	25.92	-32.33	6.18	-12.59	-27.57	-1.03	-345.08	-327.97	-18.14	74.80
		502	2.82	27.05	-30.49	6.50	-9.93	-27.57	-2.71	-351.71	-328.86	-25.56	86.33
401	14	531	0.79	5.55	-11.04	5.55	-11.04	-0.08	55.66	-81.36	-28.65	2.95	66.66
		577	0.77	5.52	-11.36	5.52	-11.36	-0.08	51.60	-75.28	-28.43	4.75	61.23
		504	0.95	11.10	-10.69	11.10	-10.69	-0.08	42.66	-94.79	-53.84	1.70	62.87
		502	0.97	11.14	-10.37	11.14	-10.37	-0.08	46.35	-100.50	-54.06	-0.09	68.29
401	16	531	0.72	4.99	-11.05	4.99	-11.05	-0.13	48.06	-72.62	-25.98	1.41	58.77
		577	0.70	4.95	-11.39	4.95	-11.39	-0.13	43.97	-67.48	-25.86	2.36	53.91
		504	0.87	9.99	-10.78	9.99	-10.78	-0.13	35.36	-84.32	-48.59	-0.37	54.77
		502	0.88	10.03	-10.44	10.03	-10.44	-0.13	39.15	-89.17	-48.70	-1.32	59.62
402	2	577	1.51	9.19	-14.64	9.19	-14.64	-0.02	39.99	-198.85	-159.29	0.43	88.79
		581	1.44	9.16	-14.88	9.16	-14.88	-0.02	27.75	-182.55	-158.86	4.06	66.49
		506	2.09	18.10	-13.80	18.10	-13.80	-0.02	9.40	-281.12	-263.26	-8.47	69.79
		504	2.14	18.13	-13.57	18.13	-13.57	-0.02	18.00	-293.80	-263.69	-12.10	92.09
402	7	577	2.57	24.58	-32.71	4.65	-12.78	-27.29	-5.75	-320.75	-310.45	-16.04	56.00
		581	2.50	23.53	-34.47	4.35	-15.29	-27.29	-8.64	-315.16	-310.17	-13.63	38.79
		506	2.88	26.57	-32.79	8.56	-14.78	-27.29	-18.79	-395.25	-390.74	-23.30	40.98
		504	2.94	27.56	-30.97	8.87	-12.27	-27.29	-16.67	-400.07	-391.03	-25.71	58.19
402	14	577	0.95	5.64	-11.34	5.64	-11.34	-0.09	19.91	-120.25	-96.88	-3.46	52.24
		581	0.91	5.62	-11.56	5.62	-11.56	-0.09	11.83	-110.86	-96.74	-2.30	39.16
		506	1.29	11.12	-10.90	11.12	-10.90	-0.09	0.56	-168.18	-157.98	-9.64	40.22
		504	1.32	11.15	-10.68	11.14	-10.68	-0.09	6.45	-175.38	-158.12	-10.81	53.30
402	16	577	0.86	5.08	-11.37	5.08	-11.37	-0.12	15.64	-107.36	-86.77	-4.95	45.92
		581	0.83	5.05	-11.61	5.05	-11.61	-0.12	8.08	-99.22	-86.71	-4.43	34.44
		506	1.17	10.01	-11.01	10.01	-11.01	-0.12	-2.07	-149.25	-140.44	-10.88	34.91
		504	1.19	10.04	-10.78	10.04	-10.78	-0.12	3.54	-155.44	-140.50	-11.40	46.39
403	2	581	1.62	9.25	-14.87	9.25	-14.87	-0.01	4.98	-225.62	-217.65	-2.99	42.13
		585	1.59	9.24	-14.95	9.24	-14.95	-0.01	-0.83	-218.35	-217.49	-1.69	13.65
		508	2.41	18.10	-13.89	18.10	-13.89	-0.01	-17.03	-351.48	-350.82	-17.69	14.84
		506	2.43	18.11	-13.80	18.11	-13.80	-0.01	-13.43	-356.54	-350.98	-18.99	43.32
403	11	581	2.75	15.85	-27.57	13.50	-25.22	-9.83	-76.24	-432.29	-431.91	-76.62	11.65
		585	2.75	15.67	-28.56	13.37	-26.26	-9.83	-77.10	-431.98	-431.96	-77.12	2.68
		508	3.08	20.88	-27.68	18.80	-25.61	-9.83	-82.14	-473.93	-473.92	-82.15	2.24
		506	3.08	21.05	-26.68	18.93	-24.57	-9.83	-81.34	-474.18	-473.86	-81.66	11.20
403	14	581	1.01	5.68	-11.55	5.68	-11.55	-0.04	-1.85	-136.65	-131.97	-6.52	24.67
		585	1.00	5.67	-11.63	5.67	-11.63	-0.04	-5.60	-132.44	-131.92	-6.12	8.10
		508	1.48	11.13	-10.97	11.13	-10.97	-0.04	-15.06	-209.86	-209.49	-15.43	8.47
		506	1.49	11.14	-10.90	11.14	-10.90	-0.04	-12.65	-212.72	-209.54	-15.83	25.04
403	16	581	0.92	5.12	-11.60	5.12	-11.60	-0.05	-4.08	-122.11	-118.01	-8.19	21.62
		585	0.91	5.11	-11.68	5.11	-11.68	-0.05	-7.56	-118.45	-117.99	-8.02	7.16
		508	1.33	10.02	-11.09	10.02	-11.09	-0.05	-15.83	-186.02	-185.71	-16.15	7.31
		506	1.34	10.03	-11.01	10.03	-11.01	-0.05	-13.56	-188.48	-185.73	-16.31	21.77
404	2	585	1.59	9.24	-14.95	9.24	-14.95	0.01	-0.83	-218.35	-217.49	-1.69	-13.65
		589	1.62	9.25	-14.87	9.25	-14.87	0.01	4.98	-225.62	-217.65	-2.99	-42.13
		510	2.43	18.11	-13.80	18.11	-13.80	0.01	-13.43	-356.54	-350.98	-18.99	-43.32
		508	2.41	18.10	-13.89	18.10	-13.89	0.01	-17.03	-351.48	-350.82	-17.69	-14.84
404	9	585	2.75	15.67	-28.56	13.37	-26.26	9.83	-77.10	-431.98	-431.96	-77.12	-2.68

		589	2.75	15.85	-27.57	13.50	-25.22	9.83	-76.24	-432.29	-431.91	-76.62	-11.65
		510	3.08	21.05	-26.68	18.93	-24.57	9.83	-81.34	-474.18	-473.86	-81.66	-11.20
		508	3.08	20.88	-27.68	18.80	-25.61	9.83	-82.14	-473.93	-473.92	-82.15	-2.24
404	14	585	1.00	5.67	-11.63	5.67	-11.63	0.04	-5.60	-132.44	-131.92	-6.12	-8.10
		589	1.01	5.68	-11.55	5.68	-11.55	0.04	-1.85	-136.65	-131.97	-6.52	-24.67
		510	1.49	11.14	-10.90	11.14	-10.90	0.04	-12.65	-212.72	-209.54	-15.83	-25.04
		508	1.48	11.13	-10.97	11.13	-10.97	0.04	-15.06	-209.86	-209.49	-15.43	-8.47
404	16	585	0.91	5.11	-11.68	5.11	-11.68	0.05	-7.56	-118.45	-117.99	-8.02	-7.16
		589	0.92	5.12	-11.60	5.12	-11.60	0.05	-4.08	-122.11	-118.01	-8.19	-21.62
		510	1.34	10.03	-11.01	10.03	-11.01	0.05	-13.56	-188.48	-185.73	-16.31	-21.77
		508	1.33	10.02	-11.09	10.02	-11.09	0.05	-15.83	-186.02	-185.71	-16.15	-7.31
405	2	589	1.44	9.16	-14.88	9.16	-14.88	0.02	27.75	-182.55	-158.86	4.06	-66.49
		593	1.51	9.19	-14.64	9.19	-14.64	0.02	39.99	-198.85	-159.29	0.43	-88.79
		512	2.14	18.13	-13.57	18.13	-13.57	0.02	18.00	-293.80	-263.69	-12.10	-92.09
		510	2.09	18.10	-13.80	18.10	-13.80	0.02	9.40	-281.12	-263.26	-8.47	-69.79
405	5	589	2.50	23.53	-34.47	4.35	-15.29	27.29	-8.64	-315.16	-310.17	-13.63	-38.79
		593	2.57	24.58	-32.71	4.65	-12.78	27.29	-5.75	-320.75	-310.45	-16.04	-56.00
		512	2.94	27.56	-30.97	8.87	-12.27	27.29	-16.67	-400.07	-391.03	-25.71	-58.19
		510	2.88	26.57	-32.79	8.56	-14.78	27.29	-18.79	-395.25	-390.74	-23.30	-40.98
405	14	589	0.91	5.62	-11.56	5.62	-11.56	0.09	11.83	-110.86	-96.74	-2.30	-39.16
		593	0.95	5.64	-11.34	5.64	-11.34	0.09	19.91	-120.25	-96.88	-3.46	-52.24
		512	1.32	11.15	-10.68	11.14	-10.68	0.09	6.45	-175.38	-158.12	-10.81	-53.30
		510	1.29	11.12	-10.90	11.12	-10.90	0.09	0.56	-168.18	-157.98	-9.64	-40.22
405	16	589	0.83	5.05	-11.61	5.05	-11.61	0.12	8.08	-99.22	-86.71	-4.43	-34.44
		593	0.86	5.08	-11.37	5.08	-11.37	0.12	15.64	-107.36	-86.77	-4.95	-45.92
		512	1.19	10.04	-10.78	10.04	-10.78	0.12	3.54	-155.44	-140.50	-11.40	-46.39
		510	1.17	10.01	-11.01	10.01	-11.01	0.12	-2.07	-149.25	-140.44	-10.88	-34.91
406	2	593	1.21	9.03	-14.66	9.03	-14.66	-0.05	92.28	-123.64	-45.46	14.09	-103.77
		597	1.25	9.07	-14.34	9.07	-14.34	-0.05	97.46	-134.59	-46.07	8.94	-112.72
		514	1.56	18.13	-13.26	18.13	-13.26	-0.05	84.04	-168.06	-87.94	3.92	-117.38
		512	1.53	18.09	-13.58	18.09	-13.58	-0.05	79.54	-157.79	-87.32	9.06	-108.44
406	5	593	2.50	22.94	-34.20	1.85	-13.11	27.57	4.95	-290.60	-273.98	-11.66	-68.08
		597	2.54	24.15	-32.42	2.17	-10.45	27.57	3.67	-297.63	-274.87	-19.08	-79.61
		514	2.82	27.05	-30.49	6.50	-9.93	27.57	-2.71	-351.71	-328.86	-25.56	-86.33
		512	2.78	25.92	-32.33	6.18	-12.59	27.57	-1.03	-345.08	-327.97	-18.14	-74.80
406	14	593	0.77	5.52	-11.36	5.52	-11.36	0.08	51.60	-75.28	-28.43	4.75	-61.23
		597	0.79	5.55	-11.04	5.55	-11.04	0.08	55.66	-81.36	-28.65	2.95	-66.66
		514	0.97	11.14	-10.37	11.14	-10.37	0.08	46.35	-100.50	-54.06	-0.09	-68.29
		512	0.95	11.10	-10.69	11.10	-10.69	0.08	42.66	-94.79	-53.84	1.70	-62.87
406	16	593	0.70	4.95	-11.39	4.95	-11.39	0.13	43.97	-67.48	-25.86	2.36	-53.91
		597	0.72	4.99	-11.05	4.99	-11.05	0.13	48.06	-72.62	-25.98	1.41	-58.77
		514	0.88	10.03	-10.44	10.03	-10.44	0.13	39.15	-89.17	-48.70	-1.32	-59.62
		512	0.87	9.99	-10.78	9.99	-10.78	0.13	35.36	-84.32	-48.59	-0.37	-54.77
407	2	597	1.37	8.87	-14.37	8.87	-14.37	-0.27	191.28	-46.67	116.20	28.41	-110.58
		601	1.30	8.90	-14.16	8.89	-14.16	-0.27	177.09	-38.36	115.57	23.17	-97.31
		516	1.75	18.09	-13.06	18.09	-13.06	-0.27	229.96	-21.64	177.69	30.62	-102.07
		514	1.80	18.07	-13.27	18.07	-13.26	-0.27	242.65	-28.46	178.32	35.87	-115.34
407	8	597	2.56	27.28	-28.29	10.92	-11.92	-25.33	298.01	21.76	275.91	43.86	-74.93
		601	2.53	27.05	-28.73	10.84	-12.53	-25.33	296.00	26.76	276.23	46.53	-70.23
		516	2.69	30.90	-26.90	15.92	-11.92	-25.33	315.53	31.91	298.27	49.17	-67.80
		514	2.71	31.11	-26.43	15.99	-11.31	-25.33	317.36	27.09	297.95	46.50	-72.51
407	14	597	0.86	5.39	-11.06	5.39	-11.06	-0.05	113.05	-28.92	69.41	14.72	-65.51
		601	0.82	5.43	-10.79	5.43	-10.79	-0.05	105.37	-23.59	69.16	12.63	-57.96
		516	1.08	11.09	-10.11	11.09	-10.11	-0.05	134.87	-13.48	104.51	16.87	-59.85
		514	1.11	11.06	-10.38	11.06	-10.38	-0.05	141.76	-18.03	104.76	18.96	-67.40
407	16	597	0.78	4.83	-11.07	4.83	-11.07	6.96e-03	99.63	-26.18	61.54	11.91	-57.80
		601	0.75	4.87	-10.75	4.87	-10.75	6.96e-03	93.22	-21.26	61.38	10.59	-51.30
		516	0.97	9.98	-10.14	9.98	-10.14	6.96e-03	118.32	-12.24	91.84	14.24	-52.50
		514	1.00	9.95	-10.45	9.95	-10.45	6.96e-03	124.08	-16.52	92.00	15.57	-59.00
408	2	601	2.00	8.75	-14.20	8.73	-14.18	-0.70	333.76	29.44	315.98	47.22	-71.37
		605	1.92	8.70	-14.63	8.68	-14.61	-0.70	317.81	41.73	315.59	43.96	-24.68
		518	3.17	18.10	-13.49	18.08	-13.48	-0.70	535.83	68.55	534.20	70.19	-27.63
		516	3.21	18.15	-13.07	18.14	-13.05	-0.70	546.27	61.77	534.59	73.45	-74.32
408	7	601	3.26	20.20	-22.90	14.80	-17.50	-14.27	524.16	60.01	518.48	65.69	-51.03
		605	3.18	20.79	-20.69	15.10	-15.00	-14.27	519.82	59.90	518.00	61.71	-28.86
		518	3.79	25.69	-19.43	20.61	-14.34	-14.27	623.72	72.25	621.80	74.17	-32.46
		516	3.86	25.16	-21.69	20.31	-16.84	-14.27	627.71	72.71	622.28	78.14	-54.63
408	14	601	1.24	5.31	-10.82	5.30	-10.81	-0.38	201.35	16.90	191.00	27.25	-42.46
		605	1.20	5.29	-10.94	5.28	-10.93	-0.38	192.17	24.39	190.82	25.74	-14.99
		518	1.93	11.07	-10.24	11.07	-10.24	-0.38	320.37	40.21	319.42	41.17	-16.36
		516	1.96	11.09	-10.12	11.08	-10.11	-0.38	326.37	35.91	319.60	42.68	-43.83
408	16	601	1.13	4.75	-10.77	4.74	-10.77	-0.32	179.54	14.63	170.49	23.68	-37.56
		605	1.09	4.74	-10.82	4.73	-10.81	-0.32	171.56	21.35	170.35	22.56	-13.42
		518	1.74	9.95	-10.19	9.95	-10.19	-0.32	284.21	35.28	283.37	36.12	-14.44
		516	1.76	9.96	-10.15	9.95	-10.14	-0.32	289.41	31.34	283.50	37.24	-38.58
409	2	178	0.29	-3.37	-6.59	-6.58	-3.39	0.24	32.76	-6.19	21.38	5.19	17.71
		399	0.42	-3.42	-6.60	-6.58	-3.44	0.24	55.37	-26.54	21.62	7.21	40.32

		538	0.77	2.42	-2.38	2.41	-2.36	0.24	142.02	5.36	127.47	19.91	42.15
		536	0.70	2.43	-2.32	2.42	-2.31	0.24	130.62	14.50	127.23	17.89	19.54
409	5	178	2.36	13.57	-2.00	12.68	-1.10	3.63	415.38	30.43	413.58	32.24	26.30
		399	2.38	13.38	-3.08	12.54	-2.24	3.63	416.51	31.85	413.85	34.51	31.87
		538	2.51	13.70	-3.03	12.87	-2.20	3.63	442.76	34.80	439.92	37.64	33.93
		536	2.49	13.88	-1.94	13.00	-1.06	3.63	441.62	33.39	439.64	35.37	28.37
409	14	178	0.18	-2.51	-3.99	-3.98	-2.52	0.15	20.69	-3.44	13.98	3.27	10.82
		399	0.26	-2.54	-4.00	-3.98	-2.55	0.15	34.23	-15.65	14.12	4.46	24.47
		538	0.48	1.57	-1.89	1.57	-1.89	0.15	86.80	3.39	78.06	12.14	25.55
		536	0.44	1.58	-1.86	1.57	-1.86	0.15	79.97	8.90	77.92	10.95	11.89
409	16	178	0.16	-2.48	-3.57	-3.55	-2.49	0.13	18.92	-2.93	13.00	2.99	9.71
		399	0.23	-2.50	-3.57	-3.55	-2.51	0.13	30.94	-13.78	13.13	4.04	21.90
		538	0.43	1.46	-1.92	1.45	-1.91	0.13	77.96	3.10	70.18	10.88	22.84
		536	0.40	1.46	-1.90	1.46	-1.89	0.13	71.89	8.01	70.06	9.84	10.66
410	2	399	0.57	-3.45	-6.79	-6.77	-3.47	0.23	82.93	-27.55	45.33	10.05	52.35
		452	0.59	-3.37	-6.78	-6.76	-3.39	0.23	90.36	-25.00	46.39	18.96	56.03
		595	0.66	2.12	-2.33	2.11	-2.32	0.23	109.88	-25.22	63.62	21.03	64.10
		538	0.64	2.11	-2.41	2.10	-2.40	0.23	102.81	-28.13	62.56	12.12	60.42
410	6	399	1.77	9.24	-5.91	5.37	-2.04	6.61	305.23	13.66	290.44	28.46	63.99
		452	1.74	9.29	-5.81	5.39	-1.91	6.61	302.95	17.74	290.63	30.06	57.99
		595	1.69	11.24	-5.01	7.85	-1.61	6.61	276.66	12.55	262.52	26.69	59.44
		538	1.72	11.20	-5.12	7.83	-1.75	6.61	279.19	8.23	262.33	25.09	65.45
410	14	399	0.34	-2.56	-4.11	-4.10	-2.57	0.12	50.52	-16.58	27.82	6.11	31.74
		452	0.36	-2.52	-4.10	-4.09	-2.53	0.12	54.92	-15.00	28.46	11.45	33.91
		595	0.40	1.41	-1.88	1.41	-1.87	0.12	66.52	-15.23	38.62	12.67	38.76
		538	0.39	1.41	-1.91	1.40	-1.91	0.12	62.32	-17.02	37.98	7.33	36.59
410	16	399	0.31	-2.52	-3.67	-3.66	-2.53	0.10	45.29	-14.77	25.05	5.47	28.39
		452	0.32	-2.49	-3.66	-3.65	-2.50	0.10	49.18	-13.34	25.62	10.22	30.29
		595	0.36	1.32	-1.91	1.32	-1.90	0.10	59.43	-13.58	34.55	11.29	34.60
		538	0.36	1.32	-1.93	1.32	-1.93	0.10	55.72	-15.20	33.98	6.54	32.69
411	2	452	0.51	-3.41	-6.99	-6.99	-3.41	0.17	68.44	-39.65	13.74	15.04	54.04
		469	0.48	-3.38	-6.99	-6.98	-3.39	0.17	70.77	-28.57	15.18	27.03	49.31
		613	0.56	1.98	-2.32	1.98	-2.31	0.17	70.89	-53.47	-6.94	24.37	60.18
		595	0.58	1.98	-2.35	1.97	-2.34	0.17	67.73	-63.72	-8.38	12.39	64.90
411	10	452	1.73	-0.19	-18.80	-17.15	-1.84	5.29	279.43	16.33	268.41	27.35	52.70
		469	1.74	0.33	-18.69	-17.08	-1.28	5.29	276.21	10.28	267.42	19.08	47.56
		613	1.33	3.06	-9.21	-6.18	0.03	5.29	250.20	9.33	243.34	16.19	40.06
		595	1.32	2.62	-9.40	-6.24	-0.53	5.29	253.26	15.53	244.33	24.46	45.21
411	14	452	0.31	-2.54	-4.21	-4.21	-2.54	0.08	41.24	-24.11	8.11	9.01	32.67
		469	0.30	-2.54	-4.21	-4.21	-2.54	0.08	42.59	-17.42	8.98	16.20	29.79
		613	0.35	1.35	-1.88	1.35	-1.88	0.08	42.56	-32.51	-4.53	14.58	36.30
		595	0.36	1.35	-1.88	1.35	-1.88	0.08	40.70	-38.70	-5.39	7.39	39.19
411	16	452	0.28	-2.51	-3.75	-3.75	-2.51	0.06	36.75	-21.60	7.15	8.00	29.17
		469	0.27	-2.51	-3.75	-3.75	-2.52	0.06	37.93	-15.63	7.91	14.39	26.58
		613	0.31	1.28	-1.92	1.28	-1.91	0.06	37.84	-29.12	-4.21	12.93	32.37
		595	0.32	1.28	-1.91	1.28	-1.91	0.06	36.21	-34.64	-4.98	6.55	34.96
412	2	469	0.48	-3.40	-7.15	-7.15	-3.41	0.09	46.23	-47.36	-23.51	22.38	40.78
		487	0.44	-3.40	-7.15	-7.15	-3.41	0.09	45.67	-36.58	-22.42	31.51	31.05
		182	0.61	1.94	-2.32	1.94	-2.32	0.09	40.33	-82.24	-67.96	26.05	39.33
		613	0.64	1.94	-2.32	1.94	-2.31	0.09	39.16	-91.29	-69.06	16.92	49.06
412	10	469	2.21	-1.08	-22.36	-21.62	-1.82	3.90	347.01	24.24	343.09	28.16	35.36
		487	2.22	-0.71	-22.30	-21.57	-1.44	3.90	345.10	22.25	342.67	24.69	27.93
		182	1.70	1.69	-9.79	-8.26	0.16	3.90	310.00	18.39	307.88	20.51	24.78
		613	1.69	1.35	-9.88	-8.31	-0.23	3.90	311.90	20.38	308.30	23.99	32.21
412	14	469	0.28	-2.55	-4.29	-4.29	-2.55	0.04	27.62	-29.09	-14.81	13.34	24.61
		487	0.26	-2.56	-4.29	-4.29	-2.56	0.04	27.28	-22.63	-14.16	18.81	18.74
		182	0.38	1.34	-1.89	1.34	-1.89	0.04	24.04	-50.21	-41.67	15.50	23.69
		613	0.40	1.34	-1.88	1.34	-1.88	0.04	23.35	-55.63	-42.32	10.04	29.57
412	16	469	0.25	-2.52	-3.81	-3.81	-2.52	0.02	24.49	-26.20	-13.52	11.81	21.95
		487	0.23	-2.54	-3.81	-3.81	-2.54	0.02	24.18	-20.46	-12.94	16.66	16.71
		182	0.35	1.28	-1.93	1.28	-1.93	0.02	21.30	-45.06	-37.49	13.72	21.10
		613	0.36	1.28	-1.91	1.28	-1.91	0.02	20.68	-49.88	-38.07	8.87	26.35
413	2	487	0.48	-3.42	-7.23	-7.23	-3.42	0.03	33.15	-50.68	-46.19	28.66	18.87
		503	0.47	-3.42	-7.23	-7.23	-3.42	0.03	32.56	-46.36	-45.79	31.99	6.70
		430	0.68	1.93	-2.32	1.93	-2.32	0.03	25.88	-103.50	-102.76	25.15	9.72
		182	0.69	1.93	-2.32	1.93	-2.32	0.03	25.55	-106.88	-103.16	21.83	21.89
413	10	487	2.41	-1.51	-24.62	-24.35	-1.77	2.46	368.46	27.14	367.89	27.71	13.95
		503	2.41	-1.28	-24.59	-24.32	-1.54	2.46	367.98	27.73	367.90	27.82	5.40
		430	1.84	0.78	-10.33	-9.75	0.21	2.46	327.97	22.91	327.87	23.01	5.50
		182	1.83	0.56	-10.37	-9.78	-0.02	2.46	328.50	22.26	327.86	22.91	14.05
413	14	487	0.29	-2.57	-4.32	-4.32	-2.57	9.73e-03	19.73	-31.39	-28.72	17.06	11.38
		503	0.28	-2.57	-4.32	-4.32	-2.57	9.73e-03	19.39	-28.82	-28.48	19.05	4.05
		430	0.43	1.35	-1.89	1.35	-1.89	9.73e-03	15.36	-63.24	-62.80	14.93	5.85
		182	0.43	1.35	-1.89	1.35	-1.89	9.73e-03	15.16	-65.26	-63.04	12.94	13.18
413	16	487	0.25	-2.54	-3.83	-3.83	-2.54	4.83e-03	17.46	-28.40	-26.04	15.09	10.14
		503	0.24	-2.55	-3.83	-3.83	-2.55	4.83e-03	17.16	-26.13	-25.83	16.86	3.61
		430	0.39	1.29	-1.94	1.29	-1.94	4.83e-03	13.57	-56.79	-56.40	13.19	5.21

		182	0.39	1.29	-1.93	1.29	-1.93	4.83e-03	13.39	-58.58	-56.61	11.42	11.74
414	2	503	0.47	-3.42	-7.23	-7.23	-3.42	-0.03	32.56	-46.36	-45.79	31.99	-6.70
		519	0.48	-3.42	-7.23	-7.23	-3.42	-0.03	33.15	-50.68	-46.19	28.66	-18.87
		437	0.69	1.93	-2.32	1.93	-2.32	-0.03	25.55	-106.88	-103.16	21.83	-21.89
		430	0.68	1.93	-2.32	1.93	-2.32	-0.03	25.88	-103.50	-102.76	25.15	-9.72
414	12	503	2.41	-1.28	-24.59	-24.32	-1.54	-2.46	367.98	27.73	367.90	27.82	-5.40
		519	2.41	-1.51	-24.62	-24.35	-1.77	-2.46	368.46	27.14	367.89	27.71	-13.95
		437	1.83	0.56	-10.37	-9.78	-0.02	-2.46	328.50	22.26	327.86	22.91	-14.05
		430	1.84	0.78	-10.33	-9.75	0.21	-2.46	327.97	22.91	327.87	23.01	-5.50
414	14	503	0.28	-2.57	-4.32	-4.32	-2.57	-9.73e-03	19.39	-28.82	-28.48	19.05	-4.05
		519	0.29	-2.57	-4.32	-4.32	-2.57	-9.73e-03	19.73	-31.39	-28.72	17.06	-11.38
		437	0.43	1.35	-1.89	1.35	-1.89	-9.73e-03	15.16	-65.26	-63.04	12.94	-13.18
		430	0.43	1.35	-1.89	1.35	-1.89	-9.73e-03	15.36	-63.24	-62.80	14.93	-5.85
414	16	503	0.24	-2.55	-3.83	-3.83	-2.55	-4.83e-03	17.16	-26.13	-25.83	16.86	-3.61
		519	0.25	-2.54	-3.83	-3.83	-2.54	-4.83e-03	17.46	-28.40	-26.04	15.09	-10.14
		437	0.39	1.29	-1.93	1.29	-1.93	-4.83e-03	13.39	-58.58	-56.61	11.42	-11.74
		430	0.39	1.29	-1.94	1.29	-1.94	-4.83e-03	13.57	-56.79	-56.40	13.19	-5.21
415	2	519	0.44	-3.40	-7.15	-7.15	-3.41	-0.09	45.67	-36.58	-22.42	31.51	-31.05
		534	0.48	-3.40	-7.15	-7.15	-3.41	-0.09	46.23	-47.36	-23.51	22.38	-40.78
		444	0.64	1.94	-2.32	1.94	-2.31	-0.09	39.16	-91.29	-69.06	16.92	-49.06
		437	0.61	1.94	-2.32	1.94	-2.32	-0.09	40.33	-82.24	-67.96	26.05	-39.33
415	12	519	2.22	-0.71	-22.30	-21.57	-1.44	-3.90	345.10	22.25	342.67	24.69	-27.93
		534	2.21	-1.08	-22.36	-21.62	-1.82	-3.90	347.01	24.24	343.09	28.16	-35.36
		444	1.69	1.35	-9.88	-8.31	-0.23	-3.90	311.90	20.38	308.30	23.99	-32.21
		437	1.70	1.69	-9.79	-8.26	0.16	-3.90	310.00	18.39	307.88	20.51	-24.78
415	14	519	0.26	-2.56	-4.29	-4.29	-2.56	-0.04	27.28	-22.63	-14.16	18.81	-18.74
		534	0.28	-2.55	-4.29	-4.29	-2.55	-0.04	27.62	-29.09	-14.81	13.34	-24.61
		444	0.40	1.34	-1.88	1.34	-1.88	-0.04	23.35	-55.63	-42.32	10.04	-29.57
		437	0.38	1.34	-1.89	1.34	-1.89	-0.04	24.04	-50.21	-41.67	15.50	-23.69
415	16	519	0.23	-2.54	-3.81	-3.81	-2.54	-0.02	24.18	-20.46	-12.94	16.66	-16.71
		534	0.25	-2.52	-3.81	-3.81	-2.52	-0.02	24.49	-26.20	-13.52	11.81	-21.95
		444	0.36	1.28	-1.91	1.28	-1.91	-0.02	20.68	-49.88	-38.07	8.87	-26.35
		437	0.35	1.28	-1.93	1.28	-1.93	-0.02	21.30	-45.06	-37.49	13.72	-21.10
416	2	534	0.48	-3.38	-6.99	-6.98	-3.39	-0.17	70.77	-28.57	15.18	27.03	-49.31
		337	0.51	-3.41	-6.99	-6.99	-3.41	-0.17	68.44	-39.65	13.74	15.04	-54.04
		453	0.58	1.98	-2.35	1.97	-2.34	-0.17	67.73	-63.72	-8.38	12.39	-64.90
		444	0.56	1.98	-2.32	1.98	-2.31	-0.17	70.89	-53.47	-6.94	24.37	-60.18
416	12	534	1.74	0.33	-18.69	-17.08	-1.28	-5.29	276.21	10.28	267.42	19.08	-47.56
		337	1.73	-0.19	-18.80	-17.15	-1.84	-5.29	279.43	16.33	268.41	27.35	-52.70
		453	1.32	2.62	-9.40	-6.24	-0.53	-5.29	253.26	15.53	244.33	24.46	-45.21
		444	1.33	3.06	-9.21	-6.18	0.03	-5.29	250.20	9.33	243.34	16.19	-40.06
416	14	534	0.30	-2.54	-4.21	-4.21	-2.54	-0.08	42.59	-17.42	8.98	16.20	-29.79
		337	0.31	-2.54	-4.21	-4.21	-2.54	-0.08	41.24	-24.11	8.11	9.01	-32.67
		453	0.36	1.35	-1.88	1.35	-1.88	-0.08	40.70	-38.70	-5.39	7.39	-39.19
		444	0.35	1.35	-1.88	1.35	-1.88	-0.08	42.56	-32.51	-4.53	14.58	-36.30
416	16	534	0.27	-2.51	-3.75	-3.75	-2.52	-0.06	37.93	-15.63	7.91	14.39	-26.58
		337	0.28	-2.51	-3.75	-3.75	-2.51	-0.06	36.75	-21.60	7.15	8.00	-29.17
		453	0.32	1.28	-1.91	1.28	-1.91	-0.06	36.21	-34.64	-4.98	6.55	-34.96
		444	0.31	1.28	-1.92	1.28	-1.91	-0.06	37.84	-29.12	-4.21	12.93	-32.37
417	2	337	0.59	-3.37	-6.78	-6.76	-3.39	-0.23	90.36	-25.00	46.39	18.96	-56.03
		461	0.57	-3.45	-6.79	-6.77	-3.47	-0.23	82.93	-27.55	45.33	10.05	-52.35
		495	0.64	2.11	-2.41	2.10	-2.40	-0.23	102.81	-28.13	62.56	12.12	-60.42
		453	0.66	2.12	-2.33	2.11	-2.32	-0.23	109.88	-25.22	63.62	21.03	-64.10
417	8	337	1.74	9.29	-5.81	5.39	-1.91	-6.61	302.95	17.74	290.63	30.06	-57.99
		461	1.77	9.24	-5.91	5.37	-2.04	-6.61	305.23	13.66	290.44	28.46	-63.99
		495	1.72	11.20	-5.12	7.83	-1.75	-6.61	279.19	8.23	262.33	25.09	-65.45
		453	1.69	11.24	-5.01	7.85	-1.61	-6.61	276.66	12.55	262.52	26.69	-59.44
417	14	337	0.36	-2.52	-4.10	-4.09	-2.53	-0.12	54.92	-15.00	28.46	11.45	-33.91
		461	0.34	-2.56	-4.11	-4.10	-2.57	-0.12	50.52	-16.58	27.82	6.11	-31.74
		495	0.39	1.41	-1.91	1.40	-1.91	-0.12	62.32	-17.02	37.98	7.33	-36.59
		453	0.40	1.41	-1.88	1.41	-1.87	-0.12	66.52	-15.23	38.62	12.67	-38.76
417	16	337	0.32	-2.49	-3.66	-3.65	-2.50	-0.10	49.18	-13.34	25.62	10.22	-30.29
		461	0.31	-2.52	-3.67	-3.66	-2.53	-0.10	45.29	-14.77	25.05	5.47	-28.39
		495	0.36	1.32	-1.93	1.32	-1.93	-0.10	55.72	-15.20	33.98	6.54	-32.69
		453	0.36	1.32	-1.91	1.32	-1.90	-0.10	59.43	-13.58	34.55	11.29	-34.60
418	2	461	0.42	-3.42	-6.60	-6.58	-3.44	-0.24	55.37	-26.54	21.62	7.21	-40.32
		441	0.29	-3.37	-6.59	-6.58	-3.39	-0.24	32.76	-6.19	21.38	5.19	-17.71
		526	0.70	2.43	-2.32	2.42	-2.31	-0.24	130.62	14.50	127.23	17.89	-19.54
		495	0.77	2.42	-2.38	2.41	-2.36	-0.24	142.02	5.36	127.47	19.91	-42.15
418	7	461	2.38	13.38	-3.08	12.54	-2.24	-3.63	416.51	31.85	413.85	34.51	-31.87
		441	2.36	13.57	-2.00	12.68	-1.10	-3.63	415.38	30.43	413.58	32.24	-26.30
		526	2.49	13.88	-1.94	13.00	-1.06	-3.63	441.62	33.39	439.64	35.37	-28.37
		495	2.51	13.69	-3.03	12.87	-2.20	-3.63	442.76	34.80	439.92	37.64	-33.93
418	14	461	0.26	-2.54	-4.00	-3.98	-2.55	-0.15	34.23	-15.65	14.12	4.46	-24.47
		441	0.18	-2.51	-3.99	-3.98	-2.52	-0.15	20.69	-3.44	13.98	3.27	-10.82
		526	0.44	1.58	-1.86	1.57	-1.86	-0.15	79.97	8.90	77.92	10.95	-11.89
		495	0.48	1.57	-1.89	1.57	-1.89	-0.15	86.80	3.39	78.06	12.14	-25.55

418	16	461	0.23	-2.50	-3.57	-3.55	-2.51	-0.13	30.94	-13.78	13.13	4.04	-21.90
		441	0.16	-2.48	-3.57	-3.55	-2.49	-0.13	18.92	-2.93	13.00	2.99	-9.71
		526	0.40	1.46	-1.90	1.46	-1.89	-0.13	71.89	8.01	70.06	9.84	-10.66
		495	0.43	1.46	-1.92	1.45	-1.91	-0.13	77.96	3.10	70.18	10.88	-22.84
419	2	518	3.18	18.61	-13.50	18.53	-13.42	1.57	-66.73	-536.02	-534.30	-68.44	28.29
		603	3.22	18.57	-13.76	18.50	-13.68	1.57	-59.96	-546.55	-534.71	-71.80	74.98
		459	1.98	9.01	-14.94	8.91	-14.83	1.57	-27.64	-334.07	-316.14	-45.57	71.93
		605	1.92	9.04	-14.68	8.94	-14.57	1.57	-39.90	-318.04	-315.73	-42.21	25.25
419	11	518	3.78	25.32	-18.52	20.96	-14.16	-13.12	-70.39	-622.88	-620.88	-72.39	33.18
		603	3.86	24.72	-21.22	20.60	-17.11	-13.12	-70.94	-626.90	-621.37	-76.47	55.17
		459	3.25	19.54	-22.40	14.93	-17.79	-13.12	-58.36	-524.19	-518.43	-64.12	51.47
		605	3.17	20.20	-19.75	15.29	-14.84	-13.12	-58.15	-519.83	-517.94	-60.04	29.48
419	14	518	1.94	11.39	-10.26	11.34	-10.21	1.05	-38.90	-320.51	-319.58	-39.84	16.22
		603	1.97	11.35	-10.56	11.30	-10.51	1.05	-34.64	-326.46	-319.76	-41.34	43.70
		459	1.24	5.47	-11.28	5.40	-11.22	1.05	-15.68	-201.33	-191.11	-25.90	42.34
		605	1.20	5.51	-10.98	5.44	-10.91	1.05	-23.09	-192.25	-190.93	-24.40	14.87
419	16	518	1.74	10.24	-10.21	10.19	-10.16	0.99	-34.01	-284.35	-283.56	-34.80	14.04
		603	1.77	10.19	-10.55	10.15	-10.51	0.99	-30.11	-289.44	-283.69	-35.87	38.20
		459	1.13	4.89	-11.20	4.83	-11.14	0.99	-13.48	-179.42	-170.60	-22.30	37.23
		605	1.09	4.94	-10.86	4.87	-10.80	0.99	-20.09	-171.60	-170.47	-21.23	13.07
420	2	603	1.75	19.30	-13.69	19.21	-13.60	1.78	23.92	-230.60	-177.72	-28.96	103.26
		462	1.80	19.20	-14.53	19.11	-14.43	1.78	30.24	-243.45	-178.42	-34.79	116.48
		609	1.34	9.56	-15.72	9.43	-15.59	1.78	47.87	-191.73	-116.50	-27.36	111.20
		459	1.27	9.67	-14.89	9.54	-14.76	1.78	40.06	-177.38	-115.80	-21.53	97.97
420	9	603	2.66	30.47	-25.96	16.61	-12.10	-24.29	-29.85	-313.67	-296.80	-46.72	67.12
		462	2.69	30.53	-25.83	16.63	-11.93	-24.29	-25.04	-315.34	-296.46	-43.92	71.58
		609	2.54	26.38	-27.72	11.24	-12.58	-24.29	-19.92	-297.06	-275.57	-41.41	74.12
		459	2.51	26.32	-27.85	11.22	-12.75	-24.29	-24.88	-295.24	-275.91	-44.21	69.65
420	14	603	1.08	11.86	-10.52	11.79	-10.45	1.24	14.34	-134.80	-104.91	-15.56	59.71
		462	1.11	11.78	-11.19	11.71	-11.12	1.24	18.77	-141.69	-105.17	-17.75	67.28
		609	0.84	5.83	-11.92	5.74	-11.83	1.24	29.48	-112.69	-69.72	-13.50	65.29
		459	0.80	5.91	-11.26	5.82	-11.17	1.24	24.25	-105.00	-69.45	-11.30	57.72
420	16	603	0.97	10.68	-10.52	10.61	-10.45	1.19	12.75	-118.04	-92.38	-12.91	51.94
		462	1.00	10.60	-11.19	10.53	-11.13	1.19	17.02	-123.76	-92.53	-14.20	58.48
		609	0.77	5.23	-11.85	5.15	-11.77	1.19	26.60	-99.00	-61.88	-10.52	57.31
		459	0.73	5.31	-11.18	5.23	-11.10	1.19	21.67	-92.63	-61.72	-9.23	50.77
421	2	462	1.66	19.88	-14.42	19.81	-14.35	1.58	169.61	-84.15	88.25	-2.79	118.43
		464	1.64	19.78	-15.23	19.71	-15.16	1.58	159.01	-79.91	87.57	-8.47	109.38
		167	1.32	10.02	-16.43	9.92	-16.34	1.58	124.12	-92.47	45.21	-13.56	104.23
		609	1.35	10.12	-15.62	10.02	-15.52	1.58	135.43	-97.42	45.89	-7.88	113.28
421	12	462	2.85	28.12	-31.35	7.18	-10.41	28.40	348.36	3.48	325.67	26.17	85.51
		464	2.82	26.91	-33.35	6.84	-13.28	28.40	341.89	1.71	324.78	18.81	74.34
		167	2.54	23.71	-35.32	2.22	-13.83	28.40	289.05	-4.02	272.49	12.54	67.67
		609	2.58	25.00	-33.40	2.57	-10.97	28.40	295.89	-2.62	273.37	19.90	78.84
421	14	462	1.03	12.24	-11.11	12.19	-11.06	1.11	100.43	-45.61	53.52	1.29	68.19
		464	1.02	12.17	-11.74	12.12	-11.69	1.11	94.66	-42.00	53.29	-0.62	62.79
		167	0.82	6.14	-12.48	6.07	-12.41	1.11	75.24	-50.90	28.00	-3.66	61.05
		609	0.84	6.21	-11.86	6.14	-11.79	1.11	81.37	-54.88	28.23	-1.74	66.45
421	16	462	0.93	11.04	-11.12	10.99	-11.07	1.07	88.59	-38.08	47.86	2.65	59.17
		464	0.92	10.97	-11.75	10.91	-11.70	1.07	83.77	-34.33	47.75	1.70	54.38
		167	0.75	5.52	-12.42	5.45	-12.35	1.07	67.28	-42.94	25.33	-0.99	53.52
		609	0.77	5.59	-11.79	5.53	-11.73	1.07	72.38	-46.98	25.44	-0.04	58.31
422	2	464	2.24	20.25	-15.13	20.22	-15.10	1.06	294.84	-17.81	264.29	12.73	92.83
		466	2.20	20.18	-15.69	20.15	-15.65	1.06	281.94	-9.39	263.81	8.73	70.38
		171	1.52	10.33	-16.88	10.29	-16.84	1.06	182.60	-27.77	158.71	-3.88	66.75
		167	1.59	10.40	-16.33	10.36	-16.29	1.06	199.16	-39.86	159.19	0.12	89.20
422	12	464	2.98	28.59	-31.66	9.84	-12.92	27.90	397.48	17.34	388.38	26.45	58.12
		466	2.92	27.55	-33.63	9.52	-15.60	27.90	392.67	19.31	388.08	23.91	41.17
		171	2.54	24.16	-35.46	4.86	-16.16	27.90	313.75	9.34	308.71	14.39	38.87
		167	2.61	25.27	-33.56	5.18	-13.47	27.90	319.32	6.62	309.01	16.92	55.82
422	14	464	1.38	12.48	-11.67	12.46	-11.65	0.75	174.88	-5.51	157.50	11.88	53.23
		466	1.35	12.43	-12.09	12.41	-12.07	0.75	167.63	0.35	157.35	10.63	40.18
		171	0.95	6.35	-12.83	6.32	-12.80	0.75	110.46	-10.93	96.23	3.30	39.05
		167	0.99	6.40	-12.41	6.37	-12.38	0.75	119.91	-18.98	96.38	4.55	52.10
422	16	464	1.24	11.26	-11.68	11.24	-11.66	0.73	154.43	-2.28	139.45	12.70	46.08
		466	1.22	11.21	-12.10	11.19	-12.07	0.73	148.23	3.33	139.39	12.17	34.69
		171	0.87	5.72	-12.76	5.69	-12.73	0.73	98.65	-6.82	86.05	5.77	34.20
		167	0.90	5.77	-12.35	5.74	-12.32	0.73	106.80	-14.38	86.11	6.30	45.60
423	2	466	2.53	20.41	-15.63	20.41	-15.62	0.37	357.37	13.65	351.73	19.28	43.64
		468	2.51	20.39	-15.82	20.39	-15.82	0.37	352.23	17.18	351.56	17.85	14.98
		184	1.66	10.50	-17.01	10.49	-17.00	0.37	218.27	0.89	217.41	1.75	13.68
		171	1.69	10.52	-16.82	10.52	-16.81	0.37	225.64	-4.87	217.58	3.19	42.34
423	8	466	3.15	22.59	-27.38	20.48	-25.28	10.04	475.03	79.34	474.67	79.70	11.96
		468	3.15	22.41	-28.45	20.35	-26.38	10.04	474.71	79.91	474.69	79.93	2.67
		184	2.79	16.37	-29.45	14.05	-27.14	10.04	431.23	74.69	431.21	74.71	2.87
		171	2.79	16.55	-28.40	14.18	-26.03	10.04	431.59	74.07	431.18	74.48	12.16
423	14	466	1.55	12.58	-12.05	12.58	-12.04	0.27	212.08	13.61	208.87	16.82	25.01

		468	1.54	12.57	-12.19	12.56	-12.19	0.27	209.19	16.01	208.82	16.38	8.47
		184	1.04	6.46	-12.93	6.46	-12.92	0.27	131.91	6.57	131.39	7.09	8.07
		171	1.06	6.48	-12.78	6.48	-12.78	0.27	136.15	2.81	131.44	7.52	24.61
423	16	466	1.39	11.35	-12.06	11.35	-12.05	0.26	187.33	14.84	184.57	17.60	21.63
		468	1.38	11.34	-12.20	11.33	-12.20	0.26	184.87	17.11	184.55	17.43	7.26
		184	0.95	5.83	-12.86	5.82	-12.86	0.26	117.73	8.89	117.27	9.35	7.11
		171	0.96	5.84	-12.72	5.84	-12.72	0.26	121.41	5.40	117.29	9.52	21.48
424	2	468	2.51	20.39	-15.82	20.39	-15.82	-0.37	352.23	17.18	351.56	17.85	-14.98
		470	2.53	20.41	-15.63	20.41	-15.62	-0.37	357.37	13.65	351.73	19.28	-43.64
		410	1.69	10.52	-16.82	10.52	-16.81	-0.37	225.64	-4.87	217.58	3.19	-42.34
		184	1.66	10.50	-17.01	10.49	-17.00	-0.37	218.27	0.89	217.41	1.75	-13.68
424	7	468	3.15	22.41	-28.45	20.35	-26.38	-10.04	474.71	79.91	474.69	79.93	-2.67
		470	3.15	22.59	-27.38	20.48	-25.28	-10.04	475.03	79.34	474.67	79.70	-11.96
		410	2.79	16.55	-28.40	14.18	-26.03	-10.04	431.59	74.07	431.18	74.48	-12.16
		184	2.79	16.37	-29.45	14.05	-27.14	-10.04	431.23	74.69	431.21	74.71	-2.87
424	14	468	1.54	12.57	-12.19	12.56	-12.19	-0.27	209.19	16.01	208.82	16.38	-8.47
		470	1.55	12.58	-12.05	12.58	-12.04	-0.27	212.08	13.61	208.87	16.82	-25.01
		410	1.06	6.48	-12.78	6.48	-12.78	-0.27	136.15	2.81	131.44	7.52	-24.61
		184	1.04	6.46	-12.93	6.46	-12.92	-0.27	131.91	6.57	131.39	7.09	-8.07
424	16	468	1.38	11.34	-12.20	11.33	-12.20	-0.26	184.87	17.11	184.55	17.43	-7.26
		470	1.39	11.35	-12.06	11.35	-12.05	-0.26	187.33	14.84	184.57	17.60	-21.63
		410	0.96	5.84	-12.72	5.84	-12.72	-0.26	121.41	5.40	117.29	9.52	-21.48
		184	0.95	5.83	-12.86	5.82	-12.86	-0.26	117.73	8.89	117.27	9.35	-7.11
425	2	470	2.20	20.18	-15.69	20.15	-15.65	-1.06	281.94	-9.39	263.81	8.73	-70.38
		472	2.24	20.25	-15.13	20.22	-15.10	-1.06	294.84	-17.81	264.29	12.73	-92.83
		432	1.59	10.40	-16.33	10.36	-16.29	-1.06	199.16	-39.86	159.19	0.12	-89.20
		410	1.52	10.33	-16.88	10.29	-16.84	-1.06	182.60	-27.77	158.71	-3.88	-66.75
425	11	470	2.92	27.55	-33.63	9.52	-15.60	-27.90	392.67	19.31	388.08	23.91	-41.17
		472	2.98	28.59	-31.66	9.84	-12.92	-27.90	397.48	17.34	388.38	26.45	-58.12
		432	2.61	25.27	-33.56	5.18	-13.47	-27.90	319.32	6.62	309.01	16.92	-55.82
		410	2.54	24.16	-35.46	4.86	-16.16	-27.90	313.75	9.34	308.71	14.39	-38.87
425	14	470	1.35	12.43	-12.09	12.41	-12.07	-0.75	167.63	0.35	157.35	10.63	-40.18
		472	1.38	12.48	-11.67	12.46	-11.65	-0.75	174.88	-5.51	157.50	11.88	-53.23
		432	0.99	6.40	-12.41	6.37	-12.38	-0.75	119.91	-18.98	96.38	4.55	-52.10
		410	0.95	6.35	-12.83	6.32	-12.80	-0.75	110.46	-10.93	96.23	3.30	-39.05
425	16	470	1.22	11.21	-12.10	11.19	-12.07	-0.73	148.23	3.33	139.39	12.17	-34.69
		472	1.24	11.26	-11.68	11.24	-11.66	-0.73	154.43	-2.28	139.45	12.70	-46.08
		432	0.90	5.77	-12.35	5.74	-12.32	-0.73	106.80	-14.38	86.11	6.30	-45.60
		410	0.87	5.72	-12.76	5.69	-12.73	-0.73	98.65	-6.82	86.05	5.77	-34.20
426	2	472	1.64	19.78	-15.23	19.71	-15.16	-1.58	159.01	-79.91	87.57	-8.47	-109.38
		474	1.66	19.88	-14.42	19.81	-14.35	-1.58	169.61	-84.15	88.25	-2.79	-118.43
		435	1.35	10.12	-15.62	10.02	-15.52	-1.58	135.43	-97.42	45.89	-7.88	-113.28
		432	1.32	10.02	-16.43	9.92	-16.34	-1.58	124.12	-92.47	45.21	-13.56	-104.23
426	11	472	2.82	26.91	-33.35	6.84	-13.28	-28.40	341.89	1.71	324.78	18.81	-74.34
		474	2.85	28.12	-31.35	7.18	-10.41	-28.40	348.36	3.48	325.67	26.17	-85.51
		435	2.58	25.00	-33.40	2.57	-10.97	-28.40	295.89	-2.62	273.37	19.90	-78.84
		432	2.54	23.71	-35.32	2.22	-13.83	-28.40	289.05	-4.02	272.49	12.54	-67.67
426	14	472	1.02	12.17	-11.74	12.12	-11.69	-1.11	94.66	-42.00	53.29	-0.62	-62.79
		474	1.03	12.24	-11.11	12.19	-11.06	-1.11	100.43	-45.61	53.52	1.29	-68.19
		435	0.84	6.21	-11.86	6.14	-11.79	-1.11	81.37	-54.88	28.23	-1.74	-66.45
		432	0.82	6.14	-12.48	6.07	-12.41	-1.11	75.24	-50.90	28.00	-3.66	-61.05
426	16	472	0.92	10.97	-11.75	10.91	-11.70	-1.07	83.77	-34.33	47.75	1.70	-54.38
		474	0.93	11.04	-11.12	10.99	-11.07	-1.07	88.59	-38.08	47.86	2.65	-59.17
		435	0.77	5.59	-11.79	5.53	-11.73	-1.07	72.38	-46.98	25.44	-0.04	-58.31
		432	0.75	5.52	-12.42	5.45	-12.35	-1.07	67.28	-42.94	25.33	-0.99	-53.52
427	2	474	1.80	19.20	-14.53	19.11	-14.43	-1.78	30.24	-243.45	-178.42	-34.79	-116.48
		477	1.75	19.30	-13.69	19.21	-13.60	-1.78	23.92	-230.60	-177.72	-28.96	-103.26
		439	1.27	9.67	-14.89	9.54	-14.76	-1.78	40.06	-177.38	-115.80	-21.53	-97.97
		435	1.34	9.56	-15.72	9.43	-15.59	-1.78	47.87	-191.73	-116.50	-27.36	-111.20
427	10	474	2.69	30.53	-25.83	16.63	-11.93	24.29	-25.04	-315.34	-296.46	-43.92	-71.58
		477	2.66	30.47	-25.96	16.61	-12.10	24.29	-29.85	-313.67	-296.80	-46.72	-67.12
		439	2.51	26.32	-27.85	11.22	-12.75	24.29	-24.88	-295.24	-275.91	-44.21	-69.65
		435	2.54	26.38	-27.72	11.24	-12.58	24.29	-19.92	-297.06	-275.57	-41.41	-74.12
427	14	474	1.11	11.78	-11.19	11.71	-11.12	-1.24	18.77	-141.69	-105.17	-17.75	-67.28
		477	1.08	11.86	-10.52	11.79	-10.45	-1.24	14.34	-134.80	-104.91	-15.56	-59.71
		439	0.80	5.91	-11.26	5.82	-11.17	-1.24	24.25	-105.00	-69.45	-11.30	-57.72
		435	0.84	5.83	-11.92	5.74	-11.83	-1.24	29.48	-112.69	-69.72	-13.50	-65.29
427	16	474	1.00	10.60	-11.19	10.53	-11.13	-1.19	17.02	-123.76	-92.53	-14.20	-58.48
		477	0.97	10.68	-10.52	10.61	-10.45	-1.19	12.75	-118.04	-92.38	-12.91	-51.94
		439	0.73	5.31	-11.18	5.23	-11.10	-1.19	21.67	-92.63	-61.72	-9.23	-50.77
		435	0.77	5.23	-11.85	5.15	-11.77	-1.19	26.60	-99.00	-61.88	-10.52	-57.31
428	2	477	3.22	18.57	-13.76	18.50	-13.68	-1.57	-59.96	-546.55	-534.71	-71.80	-74.98
		587	3.18	18.61	-13.50	18.53	-13.42	-1.57	-66.73	-536.02	-534.30	-68.44	-28.29
		455	1.92	9.04	-14.68	8.94	-14.57	-1.57	-39.90	-318.04	-315.73	-42.21	-25.25
		439	1.98	9.01	-14.94	8.91	-14.83	-1.57	-27.64	-334.07	-316.14	-45.57	-71.93
428	12	477	3.86	24.72	-21.22	20.60	-17.11	13.12	-70.94	-626.90	-621.37	-76.47	-55.17
		587	3.78	25.32	-18.52	20.96	-14.16	13.12	-70.39	-622.88	-620.88	-72.39	-33.18

		455	3.17	20.20	-19.75	15.29	-14.84	13.12	-58.15	-519.83	-517.94	-60.04	-29.48
		439	3.25	19.54	-22.40	14.93	-17.79	13.12	-58.36	-524.19	-518.43	-64.12	-51.47
428	14	477	1.97	11.35	-10.56	11.30	-10.51	-1.05	-34.64	-326.46	-319.76	-41.34	-43.70
		587	1.94	11.39	-10.26	11.34	-10.21	-1.05	-38.90	-320.51	-319.58	-39.84	-16.22
		455	1.20	5.51	-10.98	5.44	-10.91	-1.05	-23.09	-192.25	-190.93	-24.40	-14.87
		439	1.24	5.47	-11.28	5.40	-11.22	-1.05	-15.68	-201.33	-191.11	-25.90	-42.34
428	16	477	1.77	10.19	-10.55	10.15	-10.51	-0.99	-30.11	-289.44	-283.69	-35.87	-38.20
		587	1.74	10.24	-10.21	10.19	-10.16	-0.99	-34.01	-284.35	-283.56	-34.80	-14.04
		455	1.09	4.94	-10.86	4.87	-10.80	-0.99	-20.09	-171.60	-170.47	-21.23	-13.07
		439	1.13	4.89	-11.20	4.83	-11.14	-0.99	-13.48	-179.42	-170.60	-22.30	-37.23
429	2	541	1.84	9.70	-8.36	9.69	-8.35	0.56	318.44	43.42	316.15	45.70	-24.98
		443	1.89	9.71	-8.31	9.69	-8.29	0.56	332.08	37.09	316.94	52.23	-65.10
		497	0.89	1.89	-9.26	1.86	-9.23	0.56	156.65	2.10	129.06	29.69	-59.19
		536	0.78	1.88	-9.31	1.85	-9.29	0.56	131.63	19.81	128.28	23.16	-19.06
429	9	541	3.00	19.22	-8.79	16.36	-5.92	-8.49	521.20	68.81	519.23	70.78	-29.81
		443	3.05	18.77	-10.81	16.09	-8.13	-8.49	524.20	68.33	519.50	73.03	-46.05
		497	2.61	15.27	-11.61	12.24	-8.59	-8.49	448.54	58.88	443.50	63.91	-44.00
		536	2.56	15.76	-9.64	12.51	-6.39	-8.49	445.24	59.65	443.23	61.66	-27.77
429	14	541	1.14	6.00	-6.40	5.98	-6.39	0.39	192.62	26.12	191.29	27.44	-14.79
		443	1.17	6.00	-6.40	5.98	-6.38	0.39	200.66	22.29	191.75	31.21	-38.87
		497	0.56	1.14	-6.99	1.13	-6.97	0.39	95.22	1.46	79.00	17.68	-35.46
		536	0.50	1.14	-6.99	1.12	-6.97	0.39	80.50	11.97	78.55	13.91	-11.38
429	16	541	1.03	5.42	-6.39	5.40	-6.38	0.37	172.00	23.25	170.85	24.40	-13.05
		443	1.05	5.42	-6.40	5.40	-6.39	0.37	179.08	19.83	171.24	27.67	-34.46
		497	0.51	1.02	-6.93	1.01	-6.91	0.37	85.26	1.40	71.02	15.65	-31.49
		536	0.46	1.02	-6.92	1.01	-6.91	0.37	72.32	10.68	70.62	12.37	-10.09
430	2	443	1.18	10.35	-8.24	10.32	-8.21	0.71	173.69	-28.90	116.60	28.19	-91.15
		448	1.22	10.32	-8.44	10.30	-8.41	0.71	189.96	-28.02	118.43	43.50	-102.35
		501	0.88	1.88	-9.47	1.84	-9.42	0.71	141.23	-38.03	65.99	37.21	-88.47
		497	0.78	1.91	-9.27	1.86	-9.23	0.71	123.14	-37.08	64.16	21.90	-77.27
430	11	443	2.17	21.39	-15.40	12.02	-6.04	-16.03	299.12	33.90	277.29	55.73	-72.89
		448	2.19	21.33	-15.54	12.00	-6.21	-16.03	300.70	33.77	277.45	57.02	-75.27
		501	2.05	17.95	-17.15	7.54	-6.74	-16.03	289.76	32.22	266.30	55.68	-74.10
		497	2.04	18.01	-17.02	7.56	-6.57	-16.03	288.15	32.39	266.14	54.39	-71.72
430	14	443	0.73	6.42	-6.35	6.40	-6.33	0.52	103.83	-17.13	70.09	16.61	-54.25
		448	0.75	6.40	-6.53	6.38	-6.51	0.52	113.31	-16.78	71.14	25.39	-60.89
		501	0.55	1.16	-7.17	1.13	-7.14	0.52	84.57	-22.89	40.03	21.65	-52.94
		497	0.48	1.19	-7.00	1.15	-6.96	0.52	74.02	-22.17	38.97	12.88	-46.29
430	16	443	0.66	5.82	-6.36	5.80	-6.34	0.51	92.10	-15.12	62.37	14.61	-48.00
		448	0.67	5.80	-6.55	5.78	-6.53	0.51	100.39	-14.91	63.28	22.21	-53.87
		501	0.49	1.05	-7.13	1.02	-7.10	0.51	75.09	-20.38	35.80	18.91	-46.98
		497	0.44	1.08	-6.94	1.04	-6.91	0.51	65.87	-19.67	34.89	11.31	-41.11
431	2	448	1.20	10.91	-8.36	10.88	-8.34	0.70	99.85	-119.79	-43.95	24.01	-104.43
		451	1.19	10.87	-8.64	10.85	-8.62	0.70	104.19	-105.53	-41.96	40.62	-96.39
		505	0.90	1.99	-9.73	1.95	-9.68	0.70	105.43	-64.59	-4.30	45.14	-81.33
		501	0.92	2.03	-9.45	1.98	-9.41	0.70	102.18	-79.94	-6.30	28.53	-89.38
431	10	448	2.09	17.17	-20.65	3.09	-6.57	18.28	3.04	-288.51	-272.54	-12.93	-66.34
		451	2.10	16.64	-21.45	2.95	-7.76	18.28	15.88	-283.51	-270.63	2.99	-60.75
		505	1.84	13.53	-23.61	-1.76	-8.33	18.28	14.42	-252.73	-244.44	6.14	-46.31
		501	1.83	14.11	-22.86	-1.61	-7.14	18.28	1.10	-257.24	-246.36	-9.79	-51.91
431	14	448	0.75	6.80	-6.48	6.78	-6.46	0.52	58.69	-71.85	-26.80	13.63	-62.06
		451	0.74	6.78	-6.71	6.76	-6.69	0.52	60.92	-63.46	-25.66	23.12	-57.20
		505	0.57	1.25	-7.38	1.22	-7.35	0.52	62.15	-39.23	-2.94	25.85	-48.60
		501	0.57	1.28	-7.16	1.25	-7.13	0.52	60.57	-48.28	-4.08	16.36	-53.46
431	16	448	0.68	6.18	-6.50	6.16	-6.48	0.51	51.55	-63.86	-24.04	11.73	-54.86
		451	0.68	6.15	-6.73	6.13	-6.71	0.51	53.35	-56.48	-23.05	19.92	-50.53
		505	0.52	1.14	-7.35	1.11	-7.32	0.51	54.68	-35.12	-2.79	22.36	-43.10
		501	0.52	1.17	-7.11	1.14	-7.08	0.51	53.46	-43.08	-3.78	14.16	-47.43
432	2	451	1.50	11.30	-8.58	11.28	-8.57	0.51	57.90	-186.89	-155.94	26.94	-81.36
		456	1.46	11.27	-8.80	11.26	-8.79	0.51	57.42	-172.76	-154.48	39.13	-62.25
		509	0.91	2.12	-9.91	2.10	-9.89	0.51	69.37	-84.54	-65.04	49.87	-51.20
		505	0.96	2.15	-9.69	2.12	-9.66	0.51	73.09	-101.91	-66.50	37.68	-70.31
432	6	451	2.38	17.74	-15.40	14.47	-12.14	9.88	-37.59	-366.82	-365.47	-38.94	-21.01
		456	2.40	17.54	-16.31	14.35	-13.13	9.88	-30.22	-365.41	-364.53	-31.10	-17.15
		509	2.20	13.78	-17.19	10.22	-13.63	9.88	-28.62	-346.76	-346.45	-28.93	-10.04
		505	2.18	14.00	-16.30	10.34	-12.63	9.88	-36.15	-348.01	-347.39	-36.77	-13.91
432	14	451	0.93	7.07	-6.66	7.06	-6.65	0.37	33.22	-112.34	-94.05	14.92	-48.26
		456	0.91	7.04	-6.84	7.03	-6.83	0.37	32.65	-104.01	-93.21	21.86	-36.86
		509	0.58	1.35	-7.53	1.33	-7.51	0.37	39.96	-51.58	-39.88	28.26	-30.57
		505	0.61	1.37	-7.35	1.35	-7.34	0.37	42.49	-61.88	-40.71	21.32	-41.97
432	16	451	0.84	6.43	-6.69	6.42	-6.68	0.37	28.76	-99.97	-83.84	12.63	-42.61
		456	0.83	6.41	-6.87	6.40	-6.86	0.37	28.12	-92.63	-83.12	18.61	-32.52
		509	0.54	1.24	-7.49	1.22	-7.48	0.37	34.69	-46.29	-35.88	24.28	-27.10
		505	0.56	1.26	-7.32	1.24	-7.30	0.37	37.08	-55.37	-36.60	18.30	-37.19
433	2	456	1.65	11.48	-8.76	11.48	-8.76	0.18	37.77	-219.05	-213.35	32.07	-37.84
		478	1.63	11.47	-8.85	11.47	-8.84	0.18	37.23	-213.57	-212.82	36.48	-13.68
		513	0.94	2.20	-9.96	2.20	-9.96	0.18	50.67	-100.35	-99.73	50.05	-9.68

		509	0.96	2.21	-9.88	2.21	-9.87	0.18	53.10	-107.73	-100.26	45.64	-33.84
433	6	456	2.67	17.19	-14.40	15.75	-12.96	6.58	-38.35	-427.11	-426.87	-38.58	-9.55
		478	2.67	17.10	-14.92	15.69	-13.50	6.58	-36.27	-426.63	-426.60	-36.31	-3.60
		513	2.44	13.34	-15.56	11.76	-13.97	6.58	-32.96	-398.76	-398.75	-32.97	-1.53
		509	2.44	13.43	-15.05	11.82	-13.43	6.58	-35.09	-399.18	-399.03	-35.24	-7.48
433	14	456	1.02	7.19	-6.81	7.19	-6.81	0.14	21.00	-131.79	-128.42	17.63	-22.43
		478	1.02	7.19	-6.88	7.18	-6.88	0.14	20.58	-128.56	-128.12	20.14	-8.07
		513	0.60	1.40	-7.57	1.40	-7.57	0.14	28.58	-61.30	-60.92	28.20	-5.80
		509	0.62	1.41	-7.51	1.41	-7.50	0.14	30.14	-65.67	-61.22	25.70	-20.16
433	16	456	0.93	6.55	-6.84	6.55	-6.84	0.13	17.83	-117.33	-114.36	14.86	-19.80
		478	0.92	6.54	-6.90	6.54	-6.90	0.13	17.40	-114.49	-114.10	17.02	-7.11
		513	0.56	1.29	-7.54	1.29	-7.53	0.13	24.48	-55.04	-54.70	24.14	-5.16
		509	0.57	1.30	-7.47	1.30	-7.47	0.13	25.92	-58.90	-54.96	21.99	-17.84
434	2	478	1.63	11.47	-8.85	11.47	-8.84	-0.18	37.23	-213.57	-212.82	36.48	13.68
		511	1.65	11.48	-8.76	11.48	-8.76	-0.18	37.77	-219.05	-213.35	32.07	37.84
		517	0.96	2.21	-9.88	2.21	-9.87	-0.18	53.10	-107.73	-100.26	45.64	33.84
		513	0.94	2.20	-9.96	2.20	-9.96	-0.18	50.67	-100.35	-99.73	50.05	9.68
434	5	478	2.67	17.10	-14.92	15.69	-13.50	-6.58	-36.27	-426.63	-426.60	-36.31	3.60
		511	2.67	17.19	-14.40	15.75	-12.96	-6.58	-38.35	-427.11	-426.87	-38.58	9.55
		517	2.44	13.43	-15.05	11.82	-13.43	-6.58	-35.09	-399.18	-399.03	-35.24	7.48
		513	2.44	13.34	-15.56	11.76	-13.97	-6.58	-32.96	-398.76	-398.75	-32.97	1.53
434	14	478	1.02	7.19	-6.88	7.18	-6.88	-0.14	20.58	-128.56	-128.12	20.14	8.07
		511	1.02	7.19	-6.81	7.19	-6.81	-0.14	21.00	-131.79	-128.42	17.63	22.43
		517	0.62	1.41	-7.51	1.41	-7.50	-0.14	30.14	-65.67	-61.22	25.70	20.16
		513	0.60	1.40	-7.57	1.40	-7.57	-0.14	28.58	-61.30	-60.92	28.20	5.80
434	16	478	0.92	6.54	-6.90	6.54	-6.90	-0.13	17.40	-114.49	-114.10	17.02	7.11
		511	0.93	6.55	-6.84	6.55	-6.84	-0.13	17.83	-117.33	-114.36	14.86	19.80
		517	0.57	1.30	-7.47	1.30	-7.47	-0.13	25.92	-58.90	-54.96	21.99	17.84
		513	0.56	1.29	-7.54	1.29	-7.53	-0.13	24.48	-55.04	-54.70	24.14	5.16
435	2	511	1.46	11.27	-8.80	11.26	-8.79	-0.51	57.42	-172.76	-154.48	39.13	62.25
		524	1.50	11.30	-8.58	11.28	-8.57	-0.51	57.90	-186.89	-155.94	26.94	81.36
		520	0.96	2.15	-9.69	2.12	-9.66	-0.51	73.09	-101.91	-66.50	37.68	70.31
		517	0.91	2.12	-9.91	2.10	-9.89	-0.51	69.37	-84.54	-65.04	49.87	51.20
435	5	511	2.40	17.54	-16.31	14.35	-13.13	-9.88	-30.22	-365.41	-364.53	-31.10	17.15
		524	2.38	17.74	-15.40	14.47	-12.14	-9.88	-37.59	-366.82	-365.47	-38.94	21.01
		520	2.18	14.00	-16.30	10.34	-12.63	-9.88	-36.15	-348.01	-347.39	-36.77	13.91
		517	2.20	13.78	-17.19	10.22	-13.63	-9.88	-28.62	-346.76	-346.45	-28.93	10.04
435	14	511	0.91	7.04	-6.84	7.03	-6.83	-0.37	32.65	-104.01	-93.21	21.86	36.86
		524	0.93	7.07	-6.66	7.06	-6.65	-0.37	33.22	-112.34	-94.05	14.92	48.26
		520	0.61	1.37	-7.35	1.35	-7.34	-0.37	42.49	-61.88	-40.71	21.32	41.97
		517	0.58	1.35	-7.53	1.33	-7.51	-0.37	39.96	-51.58	-39.88	28.26	30.57
435	16	511	0.83	6.41	-6.87	6.40	-6.86	-0.37	28.12	-92.63	-83.12	18.61	32.52
		524	0.84	6.43	-6.69	6.42	-6.68	-0.37	28.76	-99.97	-83.84	12.63	42.61
		520	0.56	1.26	-7.32	1.24	-7.30	-0.37	37.08	-55.37	-36.60	18.30	37.19
		517	0.54	1.24	-7.49	1.22	-7.48	-0.37	34.69	-46.29	-35.88	24.28	27.10
436	2	524	1.19	10.87	-8.64	10.85	-8.62	-0.70	104.19	-105.53	-41.96	40.62	96.39
		528	1.20	10.91	-8.36	10.88	-8.34	-0.70	99.85	-119.79	-43.95	24.01	104.43
		525	0.92	2.03	-9.45	1.98	-9.41	-0.70	102.18	-79.94	-6.30	28.53	89.38
		520	0.90	1.99	-9.73	1.95	-9.68	-0.70	105.43	-64.59	-4.30	45.14	81.33
436	9	524	2.10	16.64	-21.45	2.95	-7.76	-18.28	15.88	-283.51	-270.63	2.99	60.75
		528	2.09	17.17	-20.65	3.09	-6.57	-18.28	3.04	-288.51	-272.54	-12.93	66.34
		525	1.83	14.11	-22.86	-1.61	-7.14	-18.28	1.10	-257.24	-246.36	-9.79	51.91
		520	1.84	13.53	-23.61	-1.76	-8.33	-18.28	14.42	-252.73	-244.44	6.14	46.31
436	14	524	0.74	6.78	-6.71	6.76	-6.69	-0.52	60.92	-63.46	-25.66	23.12	57.20
		528	0.75	6.80	-6.48	6.78	-6.46	-0.52	58.69	-71.85	-26.80	13.63	62.06
		525	0.57	1.28	-7.16	1.25	-7.13	-0.52	60.57	-48.28	-4.08	16.36	53.46
		520	0.57	1.25	-7.38	1.22	-7.35	-0.52	62.15	-39.23	-2.94	25.85	48.60
436	16	524	0.68	6.15	-6.73	6.13	-6.71	-0.51	53.35	-56.48	-23.05	19.92	50.53
		528	0.68	6.18	-6.50	6.16	-6.48	-0.51	51.55	-63.86	-24.04	11.73	54.86
		525	0.52	1.17	-7.11	1.14	-7.08	-0.51	53.46	-43.08	-3.78	14.16	47.43
		520	0.52	1.14	-7.35	1.11	-7.32	-0.51	54.68	-35.12	-2.79	22.36	43.10
437	2	528	1.22	10.32	-8.44	10.30	-8.41	-0.71	189.96	-28.02	118.43	43.50	102.35
		533	1.18	10.35	-8.24	10.32	-8.21	-0.71	173.69	-28.90	116.60	28.19	91.15
		529	0.78	1.91	-9.27	1.86	-9.23	-0.71	123.14	-37.08	64.16	21.90	77.27
		525	0.88	1.88	-9.47	1.84	-9.42	-0.71	141.23	-38.03	65.99	37.21	88.47
437	12	528	2.19	21.33	-15.54	12.00	-6.21	16.03	300.70	33.77	277.45	57.02	75.27
		533	2.17	21.39	-15.40	12.02	-6.04	16.03	299.12	33.90	277.29	55.73	72.89
		529	2.04	18.01	-17.02	7.56	-6.57	16.03	288.15	32.39	266.14	54.39	71.72
		525	2.05	17.95	-17.15	7.54	-6.74	16.03	289.76	32.22	266.30	55.68	74.10
437	14	528	0.75	6.40	-6.53	6.38	-6.51	-0.52	113.31	-16.78	71.14	25.39	60.89
		533	0.73	6.42	-6.35	6.40	-6.33	-0.52	103.83	-17.13	70.09	16.61	54.25
		529	0.48	1.19	-7.00	1.15	-6.96	-0.52	74.02	-22.17	38.97	12.88	46.29
		525	0.55	1.16	-7.17	1.13	-7.14	-0.52	84.57	-22.89	40.03	21.65	52.94
437	16	528	0.67	5.80	-6.55	5.78	-6.53	-0.51	100.39	-14.91	63.28	22.21	53.87
		533	0.66	5.82	-6.36	5.80	-6.34	-0.51	92.10	-15.12	62.37	14.61	48.00
		529	0.44	1.08	-6.94	1.04	-6.91	-0.51	65.87	-19.67	34.89	11.31	41.11
		525	0.49	1.05	-7.13	1.02	-7.10	-0.51	75.09	-20.38	35.80	18.91	46.98

438	2	533	1.89	9.71	-8.31	9.69	-8.29	-0.56	332.08	37.09	316.94	52.23	65.10
		610	1.84	9.70	-8.36	9.69	-8.35	-0.56	318.44	43.42	316.15	45.70	24.98
		537	0.78	1.88	-9.31	1.85	-9.29	-0.56	131.63	19.81	128.28	23.16	19.06
		529	0.89	1.89	-9.26	1.86	-9.23	-0.56	156.65	2.10	129.06	29.69	59.19
438	10	533	3.05	18.77	-10.81	16.09	-8.13	8.49	524.20	68.33	519.50	73.03	46.05
		610	3.00	19.22	-8.79	16.36	-5.92	8.49	521.20	68.81	519.23	70.78	29.81
		537	2.56	15.76	-9.64	12.51	-6.39	8.49	445.24	59.65	443.23	61.66	27.77
		529	2.61	15.27	-11.61	12.24	-8.59	8.49	448.54	58.88	443.50	63.91	44.00
438	14	533	1.17	6.00	-6.40	5.98	-6.38	-0.39	200.66	22.29	191.75	31.21	38.87
		610	1.14	6.00	-6.40	5.98	-6.39	-0.39	192.62	26.12	191.29	27.44	14.79
		537	0.50	1.14	-6.99	1.12	-6.97	-0.39	80.50	11.97	78.55	13.91	11.38
		529	0.56	1.14	-6.99	1.13	-6.97	-0.39	95.22	1.46	79.00	17.68	35.46
438	16	533	1.05	5.42	-6.40	5.40	-6.39	-0.37	179.08	19.83	171.24	27.67	34.46
		610	1.03	5.42	-6.39	5.40	-6.38	-0.37	172.00	23.25	170.85	24.40	13.05
		537	0.46	1.02	-6.92	1.01	-6.91	-0.37	72.32	10.68	70.62	12.37	10.09
		529	0.51	1.02	-6.93	1.01	-6.91	-0.37	85.26	1.40	71.02	15.65	31.49
439	2	536	0.78	1.63	-9.37	1.58	-9.32	0.78	131.58	21.70	128.10	25.17	19.24
		538	0.91	1.68	-9.01	1.62	-8.95	0.78	156.96	3.37	128.86	31.47	59.38
		607	1.90	9.50	-8.04	9.47	-8.01	0.78	332.04	38.79	316.80	54.02	65.09
		541	1.84	9.46	-8.41	9.43	-8.38	0.78	318.34	45.43	316.04	47.73	24.94
439	5	536	2.56	16.03	-10.14	12.36	-6.47	9.09	444.96	60.74	442.93	62.76	27.83
		538	2.61	15.55	-11.93	12.11	-8.49	9.09	448.27	59.83	443.19	64.91	44.13
		607	3.05	19.00	-11.09	15.94	-8.03	9.09	524.20	69.35	519.49	74.07	46.07
		541	3.00	19.43	-9.26	16.18	-6.01	9.09	521.20	69.95	519.23	71.92	29.78
439	14	536	0.50	0.98	-7.02	0.95	-6.99	0.45	80.55	13.16	78.44	15.28	11.76
		538	0.57	1.00	-6.81	0.98	-6.79	0.45	95.62	2.18	78.87	18.93	35.84
		607	1.17	5.87	-6.22	5.85	-6.20	0.45	200.73	23.35	191.62	32.46	39.15
		541	1.13	5.84	-6.43	5.83	-6.41	0.45	192.57	27.42	191.18	28.81	15.07
439	16	536	0.46	0.87	-6.95	0.85	-6.93	0.39	72.41	11.77	70.52	13.67	10.56
		538	0.53	0.89	-6.77	0.87	-6.75	0.39	85.73	2.02	70.90	16.85	31.96
		607	1.06	5.30	-6.24	5.28	-6.22	0.39	179.19	20.80	171.11	28.87	34.85
		541	1.03	5.28	-6.41	5.26	-6.40	0.39	171.96	24.46	170.73	25.69	13.44
440	2	538	0.81	1.34	-9.01	1.31	-8.99	0.51	124.03	-36.41	63.94	23.68	77.65
		595	0.87	1.35	-8.94	1.32	-8.92	0.51	141.97	-37.81	65.71	38.44	88.85
		531	1.24	9.66	-7.93	9.64	-7.92	0.51	190.07	-27.18	118.15	44.74	102.23
		607	1.19	9.65	-8.00	9.63	-7.99	0.51	173.94	-27.59	116.38	29.97	91.03
440	6	538	2.06	18.38	-17.64	7.26	-6.51	16.64	288.51	33.17	266.00	55.68	72.38
		595	2.07	18.39	-17.63	7.26	-6.51	16.64	290.17	32.92	266.15	56.94	74.84
		531	2.20	21.65	-16.01	11.63	-5.98	16.64	301.40	34.57	277.65	58.32	75.98
		607	2.19	21.65	-16.01	11.63	-5.99	16.64	299.77	34.78	277.50	57.06	73.53
440	14	538	0.51	0.82	-6.82	0.81	-6.81	0.25	74.93	-22.02	38.79	14.12	46.88
		595	0.54	0.82	-6.83	0.81	-6.82	0.25	85.43	-22.93	39.82	22.68	53.50
		531	0.76	5.98	-6.21	5.98	-6.20	0.25	113.77	-16.56	70.81	26.40	61.26
		607	0.74	5.98	-6.19	5.98	-6.19	0.25	104.31	-16.69	69.78	17.84	54.64
440	16	538	0.46	0.74	-6.77	0.74	-6.77	0.19	66.86	-19.66	34.70	12.50	41.81
		595	0.49	0.74	-6.81	0.73	-6.80	0.19	76.07	-20.50	35.59	19.97	47.65
		531	0.69	5.41	-6.25	5.41	-6.24	0.19	100.99	-14.84	62.90	23.25	54.42
		607	0.67	5.42	-6.21	5.41	-6.21	0.19	92.69	-14.91	62.00	15.78	48.58
441	2	595	0.87	1.19	-8.94	1.18	-8.93	0.27	103.20	-79.69	-6.29	29.80	89.65
		613	0.85	1.18	-9.01	1.17	-9.01	0.27	106.22	-64.53	-4.34	46.04	81.57
		577	1.13	9.84	-7.97	9.84	-7.97	0.27	104.65	-105.32	-42.17	41.50	96.29
		531	1.14	9.85	-7.90	9.85	-7.89	0.27	100.55	-119.41	-44.12	25.26	104.37
441	7	595	1.81	13.56	-22.40	-1.95	-6.89	-17.81	2.28	-257.95	-246.82	-8.85	52.64
		613	1.82	13.01	-23.11	-2.09	-8.01	-17.81	15.46	-253.34	-244.92	7.04	46.83
		577	2.08	16.03	-20.96	2.53	-7.46	-17.81	16.75	-285.11	-272.13	3.78	61.23
		531	2.07	16.53	-20.21	2.66	-6.34	-17.81	4.05	-290.20	-274.04	-12.11	67.04
441	14	595	0.55	0.75	-6.83	0.75	-6.83	0.10	61.60	-48.39	-4.19	17.40	53.92
		613	0.54	0.74	-6.93	0.74	-6.92	0.10	63.07	-39.37	-3.07	26.77	49.00
		577	0.71	6.13	-6.28	6.12	-6.28	0.10	61.65	-63.78	-26.12	24.00	57.49
		531	0.71	6.14	-6.18	6.14	-6.18	0.10	59.53	-72.14	-27.25	14.64	62.41
441	16	595	0.50	0.69	-6.81	0.69	-6.81	0.05	54.59	-43.30	-3.93	15.23	48.00
		613	0.49	0.68	-6.92	0.68	-6.92	0.05	55.73	-35.32	-2.96	23.36	43.58
		577	0.65	5.56	-6.34	5.56	-6.34	0.05	54.23	-56.99	-23.64	20.88	50.96
		531	0.65	5.57	-6.22	5.57	-6.22	0.05	52.51	-64.38	-24.61	12.75	55.38
442	2	613	0.91	1.14	-9.01	1.13	-9.01	0.12	73.94	-101.81	-66.46	38.58	70.45
		182	0.86	1.12	-9.10	1.12	-9.10	0.12	70.06	-84.52	-65.02	50.56	51.32
		581	1.41	9.98	-8.04	9.98	-8.04	0.12	58.00	-172.75	-154.57	39.81	62.18
		577	1.44	10.00	-7.95	9.99	-7.95	0.12	58.64	-186.80	-156.00	27.84	81.31
442	11	613	2.16	13.51	-15.94	9.93	-12.37	-9.62	-36.29	-348.72	-348.10	-36.90	13.85
		182	2.18	13.30	-16.80	9.82	-13.32	-9.62	-29.02	-347.51	-347.19	-29.33	9.99
		581	2.38	16.81	-15.98	13.69	-12.86	-9.62	-30.65	-366.13	-365.28	-31.50	16.85
		577	2.36	17.01	-15.10	13.81	-11.90	-9.62	-37.77	-367.50	-366.19	-39.07	20.72
442	14	613	0.58	0.74	-6.93	0.74	-6.93	0.02	43.43	-62.05	-40.86	22.23	42.26
		182	0.55	0.73	-7.02	0.73	-7.02	0.02	40.84	-51.76	-40.03	29.11	30.79
		581	0.88	6.24	-6.36	6.24	-6.36	0.02	33.45	-104.52	-93.74	22.67	37.03
		577	0.90	6.25	-6.26	6.25	-6.26	0.02	34.07	-112.85	-94.57	15.79	48.50
442	16	613	0.53	0.68	-6.92	0.68	-6.92	-7.24e-03	38.13	-55.64	-36.82	19.30	37.56

		182	0.51	0.67	-7.02	0.67	-7.02	-7.24e-03	35.69	-46.54	-36.10	25.26	27.37
		581	0.80	5.67	-6.42	5.67	-6.42	-7.24e-03	29.05	-93.34	-83.83	19.53	32.77
		577	0.82	5.69	-6.32	5.69	-6.32	-7.24e-03	29.73	-100.70	-84.55	13.57	42.96
443	2	182	0.92	1.12	-9.10	1.12	-9.10	0.03	53.79	-107.67	-100.22	46.34	33.88
		430	0.90	1.11	-9.14	1.11	-9.14	0.03	51.30	-100.32	-99.70	50.68	9.72
		585	1.58	10.06	-8.06	10.06	-8.06	0.03	37.85	-213.58	-212.84	37.10	13.65
		581	1.60	10.07	-8.03	10.07	-8.03	0.03	38.44	-219.04	-213.36	32.76	37.82
443	11	182	2.42	12.98	-14.75	11.37	-13.14	-6.49	-35.49	-399.95	-399.80	-35.64	7.39
		430	2.42	12.90	-15.24	11.31	-13.66	-6.49	-33.48	-399.55	-399.54	-33.49	1.50
		585	2.65	16.36	-14.65	14.93	-13.22	-6.49	-36.77	-427.16	-427.13	-36.80	3.45
		581	2.64	16.44	-14.15	15.00	-12.70	-6.49	-38.73	-427.61	-427.38	-38.95	9.34
443	14	182	0.59	0.73	-7.02	0.73	-7.02	6.74e-04	31.00	-65.86	-61.41	26.55	20.28
		430	0.58	0.73	-7.05	0.73	-7.05	6.74e-04	29.41	-61.49	-61.11	29.03	5.85
		585	0.99	6.30	-6.38	6.30	-6.38	6.74e-04	21.36	-129.12	-128.68	20.93	8.10
		581	1.00	6.31	-6.35	6.31	-6.35	6.74e-04	21.81	-132.34	-128.98	18.44	22.54
443	16	182	0.54	0.68	-7.02	0.68	-7.02	-9.10e-03	26.91	-59.17	-55.23	22.96	18.00
		430	0.53	0.68	-7.06	0.68	-7.06	-9.10e-03	25.45	-55.31	-54.97	25.11	5.21
		585	0.90	5.74	-6.46	5.74	-6.46	-9.10e-03	18.31	-115.26	-114.87	17.93	7.16
		581	0.90	5.74	-6.42	5.74	-6.42	-9.10e-03	18.75	-118.10	-115.13	15.78	19.95
444	2	430	0.90	1.11	-9.14	1.11	-9.14	-0.03	51.30	-100.32	-99.70	50.68	-9.72
		437	0.92	1.12	-9.10	1.12	-9.10	-0.03	53.79	-107.67	-100.22	46.34	-33.88
		589	1.60	10.07	-8.03	10.07	-8.03	-0.03	38.44	-219.04	-213.36	32.76	-37.82
		585	1.58	10.06	-8.06	10.06	-8.06	-0.03	37.85	-213.58	-212.84	37.10	-13.65
444	9	430	2.42	12.90	-15.24	11.31	-13.66	6.49	-33.48	-399.55	-399.54	-33.49	-1.50
		437	2.42	12.98	-14.75	11.37	-13.14	6.49	-35.49	-399.95	-399.80	-35.64	-7.39
		589	2.64	16.44	-14.15	15.00	-12.70	6.49	-38.73	-427.61	-427.38	-38.95	-9.34
		585	2.65	16.36	-14.65	14.93	-13.22	6.49	-36.77	-427.16	-427.13	-36.80	-3.45
444	14	430	0.58	0.73	-7.05	0.73	-7.05	-6.74e-04	29.41	-61.49	-61.11	29.03	-5.85
		437	0.59	0.73	-7.02	0.73	-7.02	-6.74e-04	31.00	-65.86	-61.41	26.55	-20.28
		589	1.00	6.31	-6.35	6.31	-6.35	-6.74e-04	21.81	-132.34	-128.98	18.44	-22.54
		585	0.99	6.30	-6.38	6.30	-6.38	-6.74e-04	21.36	-129.12	-128.68	20.93	-8.10
444	16	430	0.53	0.68	-7.06	0.68	-7.06	9.10e-03	25.45	-55.31	-54.97	25.11	-5.21
		437	0.54	0.68	-7.02	0.68	-7.02	9.10e-03	26.91	-59.17	-55.23	22.96	-18.00
		589	0.90	5.74	-6.42	5.74	-6.42	9.10e-03	18.75	-118.10	-115.13	15.78	-19.95
		585	0.90	5.74	-6.46	5.74	-6.46	9.10e-03	18.31	-115.26	-114.87	17.93	-7.16
445	2	437	0.86	1.12	-9.10	1.12	-9.10	-0.12	70.06	-84.52	-65.02	50.56	-51.32
		444	0.91	1.14	-9.01	1.13	-9.01	-0.12	73.94	-101.81	-66.46	38.58	-70.45
		593	1.44	10.00	-7.95	9.99	-7.95	-0.12	58.64	-186.80	-156.00	27.84	-81.31
		589	1.41	9.98	-8.04	9.98	-8.04	-0.12	58.00	-172.75	-154.57	39.81	-62.18
445	9	437	2.18	13.30	-16.80	9.82	-13.32	9.62	-29.02	-347.51	-347.19	-29.33	-9.99
		444	2.16	13.51	-15.94	9.93	-12.37	9.62	-36.29	-348.72	-348.10	-36.90	-13.85
		593	2.36	17.01	-15.10	13.81	-11.90	9.62	-37.77	-367.50	-366.19	-39.07	-20.72
		589	2.38	16.81	-15.98	13.69	-12.86	9.62	-30.65	-366.13	-365.28	-31.50	-16.85
445	14	437	0.55	0.73	-7.02	0.73	-7.02	-0.02	40.84	-51.76	-40.03	29.11	-30.79
		444	0.58	0.74	-6.93	0.74	-6.93	-0.02	43.43	-62.05	-40.86	22.23	-42.26
		593	0.90	6.25	-6.26	6.25	-6.26	-0.02	34.07	-112.85	-94.57	15.79	-48.50
		589	0.88	6.24	-6.36	6.24	-6.36	-0.02	33.45	-104.52	-93.74	22.67	-37.03
445	16	437	0.51	0.67	-7.02	0.67	-7.02	7.24e-03	35.69	-46.54	-36.10	25.26	-27.37
		444	0.53	0.68	-6.92	0.68	-6.92	7.24e-03	38.13	-55.64	-36.82	19.30	-37.56
		593	0.82	5.69	-6.32	5.69	-6.32	7.24e-03	29.73	-100.70	-84.55	13.57	-42.96
		589	0.80	5.67	-6.42	5.67	-6.42	7.24e-03	29.05	-93.34	-83.83	19.53	-32.77
446	2	444	0.85	1.18	-9.01	1.17	-9.01	-0.27	106.22	-64.53	-4.34	46.04	-81.57
		453	0.87	1.19	-8.94	1.18	-8.93	-0.27	103.20	-79.69	-6.29	29.80	-89.65
		597	1.14	9.85	-7.90	9.85	-7.89	-0.27	100.55	-119.41	-44.12	25.26	-104.37
		593	1.13	9.84	-7.97	9.84	-7.97	-0.27	104.65	-105.32	-42.17	41.50	-96.29
446	5	444	1.82	13.01	-23.11	-2.09	-8.01	17.81	15.46	-253.34	-244.92	7.04	-46.83
		453	1.81	13.56	-22.40	-1.95	-6.89	17.81	2.28	-257.95	-246.82	-8.85	-52.64
		597	2.07	16.53	-20.21	2.66	-6.34	17.81	4.05	-290.20	-274.04	-12.11	-67.04
		593	2.08	16.03	-20.96	2.53	-7.46	17.81	16.75	-285.11	-272.13	3.78	-61.23
446	14	444	0.54	0.74	-6.93	0.74	-6.92	-0.10	63.07	-39.37	-3.07	26.77	-49.00
		453	0.55	0.75	-6.83	0.75	-6.83	-0.10	61.60	-48.39	-4.19	17.40	-53.92
		597	0.71	6.14	-6.18	6.14	-6.18	-0.10	59.53	-72.14	-27.25	14.64	-62.41
		593	0.71	6.13	-6.28	6.12	-6.28	-0.10	61.65	-63.78	-26.12	24.00	-57.49
446	16	444	0.49	0.68	-6.92	0.68	-6.92	-0.05	55.73	-35.32	-2.96	23.36	-43.58
		453	0.50	0.69	-6.81	0.69	-6.81	-0.05	54.59	-43.30	-3.93	15.23	-48.00
		597	0.65	5.57	-6.22	5.57	-6.22	-0.05	52.51	-64.38	-24.61	12.75	-55.38
		593	0.65	5.56	-6.34	5.56	-6.34	-0.05	54.23	-56.99	-23.64	20.88	-50.96
447	2	453	0.87	1.35	-8.94	1.32	-8.92	-0.51	141.97	-37.81	65.71	38.44	-88.85
		495	0.81	1.34	-9.01	1.31	-8.99	-0.51	124.03	-36.41	63.94	23.68	-77.65
		601	1.19	9.65	-8.00	9.63	-7.99	-0.51	173.94	-27.59	116.38	29.97	-91.03
		597	1.24	9.66	-7.93	9.64	-7.92	-0.51	190.07	-27.18	118.15	44.74	-102.23
447	8	453	2.07	18.39	-17.63	7.26	-6.51	-16.64	290.17	32.92	266.15	56.94	-74.84
		495	2.06	18.38	-17.64	7.26	-6.51	-16.64	288.51	33.17	266.00	55.68	-72.38
		601	2.19	21.65	-16.01	11.63	-5.99	-16.64	299.77	34.78	277.50	57.06	-73.53
		597	2.20	21.65	-16.01	11.63	-5.98	-16.64	301.40	34.57	277.65	58.32	-75.98
447	14	453	0.54	0.82	-6.83	0.81	-6.82	-0.25	85.43	-22.93	39.82	22.68	-53.50
		495	0.51	0.82	-6.82	0.81	-6.81	-0.25	74.93	-22.02	38.79	14.12	-46.88

		601	0.74	5.98	-6.19	5.98	-6.19	-0.25	104.31	-16.69	69.78	17.84	-54.64
		597	0.76	5.98	-6.21	5.98	-6.20	-0.25	113.77	-16.56	70.81	26.40	-61.26
447	16	453	0.49	0.74	-6.81	0.73	-6.80	-0.19	76.07	-20.50	35.59	19.97	-47.65
		495	0.46	0.74	-6.77	0.74	-6.77	-0.19	66.86	-19.66	34.70	12.50	-41.81
		601	0.67	5.42	-6.21	5.41	-6.21	-0.19	92.69	-14.91	62.00	15.78	-48.58
		597	0.69	5.41	-6.25	5.41	-6.24	-0.19	100.99	-14.84	62.90	23.25	-54.42
448	2	495	0.91	1.68	-9.01	1.62	-8.95	-0.78	156.96	3.37	128.86	31.47	-59.38
		526	0.78	1.63	-9.37	1.58	-9.32	-0.78	131.58	21.70	128.10	25.17	-19.24
		605	1.84	9.46	-8.41	9.43	-8.38	-0.78	318.34	45.43	316.04	47.73	-24.94
		601	1.90	9.50	-8.04	9.47	-8.01	-0.78	332.04	38.79	316.80	54.02	-65.09
448	7	495	2.61	15.55	-11.93	12.11	-8.49	-9.09	448.27	59.83	443.19	64.91	-44.13
		526	2.56	16.03	-10.14	12.36	-6.47	-9.09	444.96	60.74	442.93	62.76	-27.83
		605	3.00	19.43	-9.26	16.18	-6.01	-9.09	521.20	69.95	519.23	71.92	-29.78
		601	3.05	19.00	-11.09	15.94	-8.03	-9.09	524.20	69.35	519.49	74.07	-46.07
448	14	495	0.57	1.00	-6.81	0.98	-6.79	-0.45	95.62	2.18	78.87	18.93	-35.84
		526	0.50	0.98	-7.02	0.95	-6.99	-0.45	80.55	13.16	78.44	15.28	-11.76
		605	1.13	5.84	-6.43	5.83	-6.41	-0.45	192.57	27.42	191.18	28.81	-15.07
		601	1.17	5.87	-6.22	5.85	-6.20	-0.45	200.73	23.35	191.62	32.46	-39.15
448	16	495	0.53	0.89	-6.77	0.87	-6.75	-0.39	85.73	2.02	70.90	16.85	-31.96
		526	0.46	0.87	-6.95	0.85	-6.93	-0.39	72.41	11.77	70.52	13.67	-10.56
		605	1.03	5.28	-6.41	5.26	-6.40	-0.39	171.96	24.46	170.73	25.69	-13.44
		601	1.06	5.30	-6.24	5.28	-6.22	-0.39	179.19	20.80	171.11	28.87	-34.85
449	2	526	0.71	2.71	-2.29	2.69	-2.27	0.33	-13.71	-130.61	-127.52	-16.80	18.75
		457	0.77	2.69	-2.47	2.67	-2.45	0.33	-5.02	-141.85	-127.79	-19.08	41.55
		527	0.43	-3.51	-6.51	-6.47	-3.55	0.33	26.49	-53.84	-21.08	-6.28	39.47
		441	0.30	-3.33	-6.48	-6.45	-3.37	0.33	6.28	-31.08	-20.80	-3.99	16.68
449	11	526	2.50	13.92	-1.80	13.15	-1.03	-3.39	-32.97	-441.94	-440.02	-34.89	27.98
		457	2.51	13.73	-2.95	13.01	-2.23	-3.39	-34.49	-443.09	-440.31	-37.27	33.62
		527	2.38	13.33	-3.02	12.59	-2.28	-3.39	-31.52	-416.53	-413.94	-34.11	31.46
		441	2.36	13.52	-1.87	12.74	-1.08	-3.39	-29.99	-415.39	-413.66	-31.73	25.83
449	14	526	0.44	1.75	-1.85	1.74	-1.84	0.21	-8.43	-79.93	-78.11	-10.24	11.24
		457	0.48	1.74	-1.96	1.73	-1.94	0.21	-3.24	-86.62	-78.27	-11.59	25.03
		527	0.26	-2.59	-3.96	-3.93	-2.62	0.21	15.52	-33.10	-13.73	-3.85	23.80
		441	0.18	-2.49	-3.95	-3.91	-2.52	0.21	3.41	-19.48	-13.57	-2.50	10.02
449	16	526	0.40	1.62	-1.88	1.61	-1.87	0.20	-7.59	-71.83	-70.24	-9.18	9.99
		457	0.43	1.61	-1.98	1.60	-1.97	0.20	-3.00	-77.76	-70.38	-10.38	22.30
		527	0.24	-2.54	-3.55	-3.51	-2.58	0.20	13.61	-29.83	-12.76	-3.46	21.22
		441	0.16	-2.45	-3.54	-3.50	-2.49	0.20	2.86	-17.75	-12.62	-2.27	8.91
450	2	457	0.63	2.69	-2.47	2.68	-2.45	0.27	27.88	-102.06	-62.88	-11.29	59.63
		463	0.65	2.69	-2.48	2.67	-2.47	0.27	24.90	-109.43	-63.99	-20.54	63.56
		465	0.59	-3.48	-6.06	-6.03	-3.51	0.27	24.85	-88.81	-45.62	-18.34	55.17
		527	0.56	-3.47	-6.06	-6.03	-3.50	0.27	27.42	-81.02	-44.51	-9.09	51.25
450	9	457	1.72	11.25	-4.86	8.14	-1.75	-6.36	-8.16	-279.05	-262.57	-24.64	64.75
		463	1.69	11.27	-4.80	8.15	-1.68	-6.36	-12.50	-276.61	-262.78	-26.34	58.85
		465	1.74	9.32	-5.55	5.74	-1.97	-6.36	-17.61	-302.45	-290.41	-29.65	57.31
		527	1.77	9.30	-5.60	5.74	-2.04	-6.36	-13.52	-304.65	-290.21	-27.96	63.21
450	14	457	0.39	1.77	-1.95	1.76	-1.94	0.19	16.64	-61.67	-38.24	-6.79	35.86
		463	0.39	1.76	-1.97	1.75	-1.96	0.19	14.85	-66.06	-38.91	-12.30	38.20
		465	0.36	-2.58	-3.68	-3.64	-2.61	0.19	14.80	-53.73	-27.94	-10.99	33.20
		527	0.34	-2.55	-3.67	-3.64	-2.59	0.19	16.35	-49.10	-27.28	-5.47	30.86
450	16	457	0.35	1.65	-1.97	1.64	-1.96	0.19	14.75	-55.04	-34.25	-6.04	31.92
		463	0.35	1.64	-2.00	1.63	-1.99	0.19	13.15	-58.92	-34.84	-10.93	33.99
		465	0.32	-2.53	-3.30	-3.25	-2.58	0.19	13.10	-47.99	-25.12	-9.76	29.56
		527	0.30	-2.50	-3.29	-3.25	-2.55	0.19	14.49	-43.90	-24.54	-4.87	27.49
451	2	463	0.60	2.83	-2.46	2.82	-2.45	0.23	63.46	-67.03	8.30	-11.87	64.46
		467	0.58	2.82	-2.51	2.81	-2.50	0.23	53.21	-70.39	6.84	-24.01	59.84
		473	0.49	-3.50	-5.76	-5.74	-3.52	0.23	28.50	-69.89	-14.78	-26.61	48.84
		465	0.51	-3.46	-5.76	-5.74	-3.48	0.23	39.57	-67.35	-13.32	-14.46	53.45
451	5	463	1.31	2.49	-8.87	-5.79	-0.59	-5.05	-15.37	-252.96	-244.40	-23.93	44.27
		467	1.32	2.88	-8.69	-5.73	-0.08	-5.05	-9.01	-249.97	-243.40	-15.58	39.24
		473	1.72	0.18	-17.90	-16.36	-1.36	-5.05	-9.88	-275.47	-266.95	-18.40	46.81
		465	1.71	-0.29	-18.00	-16.42	-1.87	-5.05	-16.08	-278.62	-267.95	-26.75	51.83
451	14	463	0.37	1.88	-1.96	1.87	-1.95	0.17	38.29	-40.11	5.20	-7.01	38.72
		467	0.36	1.87	-2.00	1.87	-1.99	0.17	32.14	-42.07	4.33	-14.26	35.93
		473	0.30	-2.60	-3.47	-3.44	-2.63	0.17	17.28	-41.86	-8.76	-15.83	29.36
		465	0.31	-2.55	-3.47	-3.43	-2.59	0.17	23.92	-40.39	-7.89	-8.58	32.15
451	16	463	0.33	1.76	-1.98	1.75	-1.97	0.17	34.15	-35.59	4.73	-6.18	34.44
		467	0.32	1.76	-2.03	1.75	-2.02	0.17	28.68	-37.32	3.96	-12.60	31.94
		473	0.27	-2.54	-3.11	-3.05	-2.60	0.17	15.44	-37.18	-7.73	-14.00	26.12
		465	0.28	-2.50	-3.10	-3.05	-2.55	0.17	21.35	-35.89	-6.96	-7.58	28.62
452	2	467	0.67	2.99	-2.48	2.99	-2.48	0.16	91.16	-38.68	69.03	-16.55	48.82
		471	0.64	2.99	-2.53	2.98	-2.53	0.16	82.14	-39.97	67.93	-25.75	39.16
		482	0.39	-3.54	-5.56	-5.55	-3.55	0.16	36.70	-45.17	22.71	-31.18	30.82
		473	0.44	-3.49	-5.55	-5.54	-3.50	0.16	47.42	-45.58	23.81	-21.98	40.47
452	5	467	1.68	1.24	-9.31	-7.74	-0.33	-3.75	-19.93	-311.91	-308.46	-23.38	31.55
		471	1.68	1.54	-9.22	-7.70	0.02	-3.75	-17.80	-310.06	-308.03	-19.83	24.26
		482	2.19	-0.82	-21.32	-20.61	-1.53	-3.75	-21.57	-344.54	-342.19	-23.93	27.48

		473	2.18	-1.15	-21.37	-20.65	-1.88	-3.75	-23.69	-346.41	-342.61	-27.48	34.78
452	14	467	0.42	2.00	-1.98	2.00	-1.98	0.12	55.29	-22.92	42.10	-9.73	29.29
		471	0.40	1.99	-2.02	1.99	-2.02	0.12	49.91	-23.68	41.44	-15.21	23.48
		482	0.23	-2.63	-3.31	-3.29	-2.65	0.12	22.60	-26.82	14.26	-18.47	18.51
		473	0.26	-2.59	-3.30	-3.28	-2.61	0.12	29.00	-27.07	14.92	-12.99	24.32
452	16	467	0.38	1.88	-2.01	1.88	-2.01	0.12	49.45	-20.23	37.77	-8.54	26.03
		471	0.37	1.87	-2.05	1.87	-2.05	0.12	44.68	-20.90	37.18	-13.40	20.87
		482	0.21	-2.58	-2.95	-2.90	-2.62	0.12	20.39	-23.69	13.00	-16.30	16.46
		473	0.23	-2.54	-2.94	-2.90	-2.58	0.12	26.06	-23.92	13.58	-11.45	21.63
453	2	471	0.72	3.09	-2.51	3.09	-2.51	0.06	106.85	-25.23	103.15	-21.53	21.79
		476	0.71	3.09	-2.54	3.09	-2.53	0.06	103.48	-25.61	102.75	-24.88	9.68
		491	0.41	-3.56	-5.44	-5.44	-3.56	0.06	46.62	-32.24	46.05	-31.68	6.65
		482	0.43	-3.54	-5.44	-5.44	-3.54	0.06	50.90	-32.77	46.45	-28.33	18.76
453	8	471	2.34	13.33	-4.26	12.97	-3.90	2.52	396.17	11.24	396.15	11.26	2.91
		476	2.35	13.30	-4.53	12.93	-4.16	2.52	395.88	8.91	395.87	8.92	2.02
		491	2.42	16.74	-4.05	16.43	-3.74	2.52	391.72	8.42	391.72	8.42	-0.10
		482	2.42	16.78	-3.79	16.46	-3.48	2.52	392.00	10.76	392.00	10.76	0.78
453	14	471	0.45	2.07	-2.01	2.07	-2.01	0.04	64.99	-14.85	62.79	-12.65	13.07
		476	0.45	2.07	-2.03	2.07	-2.03	0.04	62.98	-15.08	62.55	-14.65	5.80
		491	0.24	-2.66	-3.21	-3.20	-2.66	0.04	28.88	-19.06	28.55	-18.73	4.00
		482	0.25	-2.64	-3.21	-3.20	-2.64	0.04	31.42	-19.36	28.79	-16.73	11.26
453	16	471	0.41	1.95	-2.04	1.95	-2.04	0.04	58.21	-13.06	56.27	-11.11	11.61
		476	0.41	1.95	-2.06	1.95	-2.06	0.04	56.44	-13.26	56.05	-12.88	5.16
		491	0.21	-2.62	-2.83	-2.82	-2.63	0.04	26.13	-16.80	25.84	-16.50	3.56
		482	0.22	-2.60	-2.83	-2.82	-2.61	0.04	28.37	-17.06	26.05	-14.74	10.01
454	2	476	0.71	3.09	-2.54	3.09	-2.53	-0.06	103.48	-25.61	102.75	-24.88	-9.68
		480	0.72	3.09	-2.51	3.09	-2.51	-0.06	106.85	-25.23	103.15	-21.53	-21.79
		498	0.43	-3.54	-5.44	-5.44	-3.54	-0.06	50.90	-32.77	46.45	-28.33	-18.76
		491	0.41	-3.56	-5.44	-5.44	-3.56	-0.06	46.62	-32.24	46.05	-31.68	-6.65
454	7	476	2.35	13.30	-4.53	12.93	-4.16	-2.52	395.88	8.91	395.87	8.92	-2.02
		480	2.34	13.33	-4.26	12.97	-3.90	-2.52	396.17	11.24	396.15	11.26	-2.91
		498	2.42	16.78	-3.79	16.46	-3.48	-2.52	392.00	10.76	392.00	10.76	-0.78
		491	2.42	16.74	-4.05	16.43	-3.74	-2.52	391.72	8.42	391.72	8.42	0.10
454	14	476	0.45	2.07	-2.03	2.07	-2.03	-0.04	62.98	-15.08	62.55	-14.65	-5.80
		480	0.45	2.07	-2.01	2.07	-2.01	-0.04	64.99	-14.85	62.79	-12.65	-13.07
		498	0.25	-2.64	-3.21	-3.20	-2.64	-0.04	31.42	-19.36	28.79	-16.73	-11.26
		491	0.24	-2.66	-3.21	-3.20	-2.66	-0.04	28.88	-19.06	28.55	-18.73	-4.00
454	16	476	0.41	1.95	-2.06	1.95	-2.06	-0.04	56.44	-13.26	56.05	-12.88	-5.16
		480	0.41	1.95	-2.04	1.95	-2.04	-0.04	58.21	-13.06	56.27	-11.11	-11.61
		498	0.22	-2.60	-2.83	-2.82	-2.61	-0.04	28.37	-17.06	26.05	-14.74	-10.01
		491	0.21	-2.62	-2.83	-2.82	-2.63	-0.04	26.13	-16.80	25.84	-16.50	-3.56
455	2	480	0.64	2.99	-2.53	2.98	-2.53	-0.16	82.14	-39.97	67.93	-25.75	-39.16
		485	0.67	2.99	-2.48	2.99	-2.48	-0.16	91.16	-38.68	69.03	-16.55	-48.82
		507	0.44	-3.49	-5.55	-5.54	-3.50	-0.16	47.42	-45.58	23.81	-21.98	-40.47
		498	0.39	-3.54	-5.56	-5.55	-3.55	-0.16	36.70	-45.17	22.71	-31.18	-30.82
455	6	480	1.68	1.54	-9.22	-7.70	0.02	3.75	-17.80	-310.06	-308.03	-19.83	-24.26
		485	1.68	1.24	-9.31	-7.74	-0.33	3.75	-19.93	-311.91	-308.46	-23.38	-31.55
		507	2.18	-1.15	-21.37	-20.65	-1.88	3.75	-23.69	-346.41	-342.61	-27.48	-34.78
		498	2.19	-0.82	-21.32	-20.61	-1.53	3.75	-21.57	-344.54	-342.19	-23.93	-27.48
455	14	480	0.40	1.99	-2.02	1.99	-2.02	-0.12	49.91	-23.68	41.44	-15.21	-23.48
		485	0.42	2.00	-1.98	2.00	-1.98	-0.12	55.29	-22.92	42.10	-9.73	-29.29
		507	0.26	-2.59	-3.30	-3.28	-2.61	-0.12	29.00	-27.07	14.92	-12.99	-24.32
		498	0.23	-2.63	-3.31	-3.29	-2.65	-0.12	22.60	-26.82	14.26	-18.47	-18.51
455	16	480	0.37	1.87	-2.05	1.87	-2.05	-0.12	44.68	-20.90	37.18	-13.40	-20.87
		485	0.38	1.88	-2.01	1.88	-2.01	-0.12	49.45	-20.23	37.77	-8.54	-26.03
		507	0.23	-2.54	-2.94	-2.90	-2.58	-0.12	26.06	-23.92	13.58	-11.45	-21.63
		498	0.21	-2.58	-2.95	-2.90	-2.62	-0.12	20.39	-23.69	13.00	-16.30	-16.46
456	2	485	0.58	2.82	-2.51	2.81	-2.50	-0.23	53.21	-70.39	6.84	-24.01	-59.84
		489	0.60	2.83	-2.46	2.82	-2.45	-0.23	63.46	-67.03	8.30	-11.87	-64.46
		515	0.51	-3.46	-5.76	-5.74	-3.48	-0.23	39.57	-67.35	-13.32	-14.46	-53.45
		507	0.49	-3.50	-5.76	-5.74	-3.52	-0.23	28.50	-69.89	-14.78	-26.61	-48.84
456	6	485	1.32	2.88	-8.69	-5.73	-0.08	5.05	-9.01	-249.97	-243.40	-15.58	-39.24
		489	1.31	2.49	-8.87	-5.79	-0.59	5.05	-15.37	-252.96	-244.40	-23.93	-44.27
		515	1.71	-0.29	-18.00	-16.42	-1.87	5.05	-16.08	-278.62	-267.95	-26.75	-51.83
		507	1.72	0.18	-17.90	-16.36	-1.36	5.05	-9.88	-275.47	-266.95	-18.40	-46.81
456	14	485	0.36	1.87	-2.00	1.87	-1.99	-0.17	32.14	-42.07	4.33	-14.26	-35.93
		489	0.37	1.88	-1.96	1.87	-1.95	-0.17	38.29	-40.11	5.20	-7.01	-38.72
		515	0.31	-2.55	-3.47	-3.43	-2.59	-0.17	23.92	-40.39	-7.89	-8.58	-32.15
		507	0.30	-2.60	-3.47	-3.44	-2.63	-0.17	17.28	-41.86	-8.76	-15.83	-29.36
456	16	485	0.32	1.76	-2.03	1.75	-2.02	-0.17	28.68	-37.32	3.96	-12.60	-31.94
		489	0.33	1.76	-1.98	1.75	-1.97	-0.17	34.15	-35.59	4.73	-6.18	-34.44
		515	0.28	-2.50	-3.10	-3.05	-2.55	-0.17	21.35	-35.89	-6.96	-7.58	-28.62
		507	0.27	-2.54	-3.11	-3.05	-2.60	-0.17	15.44	-37.18	-7.73	-14.00	-26.12
457	2	489	0.65	2.69	-2.48	2.67	-2.47	-0.27	24.90	-109.43	-63.99	-20.54	-63.56
		493	0.63	2.69	-2.47	2.68	-2.45	-0.27	27.88	-102.06	-62.88	-11.29	-59.63
		523	0.56	-3.47	-6.06	-6.03	-3.50	-0.27	27.42	-81.02	-44.51	-9.09	-51.25
		515	0.59	-3.48	-6.06	-6.03	-3.51	-0.27	24.85	-88.81	-45.62	-18.34	-55.17

457	10	489	1.69	11.27	-4.80	8.15	-1.68	6.36	-12.50	-276.61	-262.78	-26.34	-58.85
		493	1.72	11.25	-4.86	8.14	-1.75	6.36	-8.16	-279.05	-262.57	-24.64	-64.75
		523	1.77	9.30	-5.60	5.74	-2.04	6.36	-13.52	-304.65	-290.21	-27.96	-63.21
		515	1.74	9.32	-5.55	5.74	-1.97	6.36	-17.61	-302.45	-290.41	-29.65	-57.31
457	14	489	0.39	1.76	-1.97	1.75	-1.96	-0.19	14.85	-66.06	-38.91	-12.30	-38.20
		493	0.39	1.77	-1.95	1.76	-1.94	-0.19	16.64	-61.67	-38.24	-6.79	-35.86
		523	0.34	-2.55	-3.67	-3.64	-2.59	-0.19	16.35	-49.10	-27.28	-5.47	-30.86
		515	0.36	-2.58	-3.68	-3.64	-2.61	-0.19	14.80	-53.73	-27.94	-10.99	-33.20
457	16	489	0.35	1.64	-2.00	1.63	-1.99	-0.19	13.15	-58.92	-34.84	-10.93	-33.99
		493	0.35	1.65	-1.97	1.64	-1.96	-0.19	14.75	-55.04	-34.25	-6.04	-31.92
		523	0.30	-2.50	-3.29	-3.25	-2.55	-0.19	14.49	-43.90	-24.54	-4.87	-27.49
		515	0.32	-2.53	-3.30	-3.25	-2.58	-0.19	13.10	-47.99	-25.12	-9.76	-29.56
458	2	493	0.77	2.69	-2.47	2.67	-2.45	-0.33	-5.02	-141.85	-127.79	-19.08	-41.55
		446	0.71	2.71	-2.29	2.69	-2.27	-0.33	-13.71	-130.61	-127.52	-16.80	-18.75
		591	0.30	-3.33	-6.48	-6.45	-3.37	-0.33	6.28	-31.08	-20.80	-3.99	-16.68
		523	0.43	-3.51	-6.51	-6.47	-3.55	-0.33	26.49	-53.84	-21.08	-6.28	-39.47
458	12	493	2.51	13.73	-2.95	13.01	-2.23	3.39	-34.49	-443.09	-440.31	-37.27	-33.62
		446	2.50	13.92	-1.80	13.15	-1.03	3.39	-32.97	-441.94	-440.02	-34.89	-27.98
		591	2.36	13.52	-1.87	12.74	-1.08	3.39	-29.99	-415.39	-413.66	-31.73	-25.83
		523	2.38	13.33	-3.02	12.59	-2.28	3.39	-31.52	-416.53	-413.94	-34.11	-31.46
458	14	493	0.48	1.74	-1.96	1.73	-1.94	-0.21	-3.24	-86.62	-78.27	-11.59	-25.03
		446	0.44	1.75	-1.85	1.74	-1.84	-0.21	-8.43	-79.93	-78.11	-10.24	-11.24
		591	0.18	-2.49	-3.95	-3.91	-2.52	-0.21	3.41	-19.48	-13.57	-2.50	-10.02
		523	0.26	-2.59	-3.96	-3.93	-2.62	-0.21	15.52	-33.10	-13.73	-3.85	-23.80
458	16	493	0.43	1.61	-1.98	1.60	-1.97	-0.20	-3.00	-77.76	-70.38	-10.38	-22.30
		446	0.40	1.62	-1.88	1.61	-1.87	-0.20	-7.59	-71.83	-70.24	-9.18	-9.99
		591	0.16	-2.45	-3.54	-3.50	-2.49	-0.20	2.86	-17.75	-12.62	-2.27	-8.91
		523	0.24	-2.54	-3.55	-3.51	-2.58	-0.20	13.61	-29.83	-12.76	-3.46	-21.22
459	2	304	7.66	63.14	-16.75	-15.54	61.93	9.77	1120.85	-139.53	-87.94	1069.25	-249.74
		303	7.68	-16.10	-35.64	-26.05	-25.68	9.77	1391.82	-127.03	-57.57	1322.35	-317.30
		550	8.62	33.54	-20.57	31.72	-18.75	9.77	1289.04	-378.55	-373.90	1284.39	-87.89
		418	7.44	72.06	39.03	42.23	68.86	9.77	1031.58	-404.56	-404.27	1031.29	-20.33
459	11	304	18.14	-33.89	-95.66	-93.10	-36.45	12.31	3934.32	614.35	617.75	3930.92	106.17
		303	28.60	-126.25	-320.02	-127.03	-319.24	12.31	4564.16	689.67	693.30	4560.52	118.60
		550	30.10	30.01	-300.91	29.55	-300.45	12.31	4688.19	630.79	751.47	4567.50	689.27
		418	19.77	65.31	-19.49	63.49	-17.66	12.31	4072.77	541.05	675.92	3937.90	676.84
459	14	304	5.42	40.94	-14.08	-13.33	40.19	6.36	821.72	-59.56	-34.01	796.16	-147.88
		303	5.61	-15.89	-28.92	-21.01	-23.80	6.36	1027.04	-40.63	-9.98	996.39	-178.28
		550	6.05	17.21	-20.45	16.10	-19.34	6.36	979.31	-152.34	-152.33	979.30	3.20
		418	5.22	46.43	21.99	23.78	44.64	6.36	780.26	-177.54	-176.36	779.08	33.61
459	16	304	5.24	37.93	-14.55	-13.88	37.26	5.91	806.36	-41.33	-20.76	785.79	-130.45
		303	5.51	-17.16	-29.63	-21.40	-25.39	5.91	1011.23	-19.51	3.53	988.19	-152.36
		550	5.86	13.83	-22.28	12.83	-21.28	5.91	976.78	-99.94	-99.04	975.88	31.10
		418	5.04	42.91	18.80	20.35	41.37	5.91	776.60	-126.45	-123.33	773.48	53.00
460	4	418	7.46	58.41	43.63	43.65	58.39	-0.49	1053.94	-487.00	-467.89	1034.82	-170.54
		550	7.91	34.29	-19.63	34.28	-19.63	-0.49	1045.14	-497.94	-470.01	1017.21	-205.71
		551	8.42	30.88	-20.04	30.87	-20.04	-0.49	1027.02	-664.24	-634.66	997.45	-221.68
		419	7.95	58.00	40.22	40.23	57.98	-0.49	1035.91	-653.40	-632.55	1015.06	-186.51
460	11	418	21.34	78.25	-79.51	58.44	-59.70	-52.28	4053.20	645.84	685.05	4013.99	363.40
		550	24.80	42.57	-274.68	33.71	-265.81	-52.28	3622.48	581.33	631.99	3571.82	389.21
		551	23.88	23.19	-277.58	13.81	-268.20	-52.28	3586.37	752.79	752.84	3586.32	-11.57
		419	20.36	60.79	-84.33	38.55	-62.09	-52.28	4028.93	805.47	805.90	4028.49	-37.38
460	14	418	4.31	23.54	20.29	21.15	22.69	1.43	716.55	-186.41	-184.14	714.28	-45.26
		550	5.10	14.44	-33.56	14.40	-33.52	1.43	681.24	-188.46	-188.14	680.93	-16.59
		551	4.64	4.98	-34.71	4.93	-34.66	1.43	699.95	-56.79	-53.88	697.04	-46.82
		419	4.19	21.76	11.47	11.68	21.55	1.43	737.63	-57.12	-49.88	730.39	-75.49
460	16	418	3.81	18.85	15.29	17.40	16.74	1.75	661.60	-137.59	-136.84	660.85	-24.38
		550	4.67	11.15	-35.90	11.09	-35.84	1.75	625.17	-141.45	-141.16	624.88	14.93
		551	4.14	0.69	-37.18	0.61	-37.09	1.75	647.49	42.39	42.91	646.97	-17.67
		419	3.61	15.82	6.57	6.92	15.48	1.75	688.01	42.16	47.23	682.94	-56.99
461	1	419	6.39	-48.72	-115.81	-49.19	-115.34	5.61	1011.96	-105.52	1011.43	-104.99	24.38
		551	6.28	-45.54	-91.46	-46.24	-90.76	5.61	1029.56	-184.07	1004.90	-159.40	171.26
		552	9.21	-62.52	-93.88	-63.56	-92.84	5.61	1700.90	-85.24	1692.54	-76.88	121.94
		420	9.06	-65.89	-118.02	-66.50	-117.41	5.61	1699.43	-22.83	1699.07	-22.47	-24.94
461	5	419	20.37	81.41	-377.10	-33.81	-261.88	-198.88	-182.64	-2361.41	-185.25	-2358.80	75.25
		551	14.52	174.18	-225.19	-7.59	-43.42	-198.88	-158.42	-2188.93	-164.17	-2183.19	107.87
		552	15.37	172.67	-226.51	-10.12	-43.72	-198.88	21.18	-2197.48	-11.45	-2164.86	267.05
		420	19.99	79.45	-377.96	-36.33	-262.18	-198.88	-8.95	-2364.05	-32.52	-2340.48	234.43
461	13	419	4.92	-37.47	-89.08	-37.84	-88.72	4.32	778.43	-81.17	778.02	-80.76	18.76
		551	4.83	-35.03	-70.35	-35.57	-69.82	4.32	791.97	-141.59	773.00	-122.61	131.74
		552	7.09	-48.09	-72.22	-48.89	-71.42	4.32	1308.39	-65.57	1301.95	-59.14	93.80
		420	6.97	-50.69	-90.79	-51.16	-90.32	4.32	1307.25	-17.56	1306.98	-17.28	-19.18
461	15	419	4.92	-37.47	-89.08	-37.84	-88.72	4.32	778.43	-81.17	778.02	-80.76	18.76
		551	4.83	-35.03	-70.35	-35.57	-69.82	4.32	791.97	-141.59	773.00	-122.61	131.74
		552	7.09	-48.09	-72.22	-48.89	-71.42	4.32	1308.39	-65.57	1301.95	-59.14	93.80
		420	6.97	-50.69	-90.79	-51.16	-90.32	4.32	1307.25	-17.56	1306.98	-17.28	-19.18
462	1	420	9.08	-63.51	-115.47	-65.97	-113.00	11.05	1699.18	-22.53	1699.07	-22.43	-13.25

		552	9.18	-59.93	-96.86	-63.60	-93.19	11.05	1693.44	-74.22	1692.92	-73.70	30.30
		553	10.32	-66.08	-98.38	-70.45	-94.01	11.05	1896.91	-49.37	1896.77	-49.24	-16.18
		422	10.22	-70.04	-116.61	-72.83	-113.82	11.05	1904.80	0.16	1902.93	2.03	-59.72
462	9	420	22.41	8.83	-560.69	-28.32	-523.54	-140.62	29.96	-1297.74	15.34	-1283.11	-138.57
		552	17.29	47.78	-380.59	-4.85	-327.96	-140.62	52.93	-1194.91	28.82	-1170.79	-171.78
		553	16.63	46.44	-380.94	-6.35	-328.14	-140.62	-122.09	-1194.04	-126.68	-1189.45	-69.98
		422	21.86	7.41	-560.96	-29.82	-523.72	-140.62	-139.00	-1302.93	-140.16	-1301.77	-36.77
462	13	420	6.99	-48.85	-88.82	-50.75	-86.92	8.50	1307.06	-17.33	1306.98	-17.25	-10.19
		552	7.06	-46.10	-74.51	-48.92	-71.68	8.50	1302.65	-57.09	1302.25	-56.69	23.30
		553	7.94	-50.83	-75.68	-54.19	-72.32	8.50	1459.16	-37.98	1459.06	-37.87	-12.44
		422	7.87	-53.88	-89.70	-56.02	-87.56	8.50	1465.23	0.12	1463.79	1.56	-45.94
462	15	420	6.99	-48.85	-88.82	-50.75	-86.92	8.50	1307.06	-17.33	1306.98	-17.25	-10.19
		552	7.06	-46.10	-74.51	-48.92	-71.68	8.50	1302.65	-57.09	1302.25	-56.69	23.30
		553	7.94	-50.83	-75.68	-54.19	-72.32	8.50	1459.16	-37.98	1459.06	-37.87	-12.44
		422	7.87	-53.88	-89.70	-56.02	-87.56	8.50	1465.23	0.12	1463.79	1.56	-45.94
463	1	422	10.23	-64.51	-91.83	-69.58	-86.75	10.63	1921.15	139.38	1919.59	140.94	-52.58
		553	10.30	-62.63	-86.98	-68.86	-80.75	10.63	1919.19	105.01	1915.70	108.50	-79.52
		554	9.63	-58.61	-85.39	-63.85	-80.14	10.63	1796.55	86.40	1789.59	93.37	-108.91
		423	9.55	-60.22	-90.50	-64.57	-86.15	10.63	1797.50	121.78	1793.48	125.80	-81.98
463	11	422	15.75	-1.63	-464.57	-8.05	-458.15	-54.15	-229.06	-622.74	-247.23	-604.58	-82.59
		553	12.93	12.54	-361.37	4.53	-353.36	-54.15	-205.82	-608.62	-243.22	-571.22	-116.91
		554	12.61	7.88	-362.03	-0.23	-353.93	-54.15	-369.83	-624.54	-403.88	-590.50	-86.67
		423	15.44	-6.32	-465.20	-12.80	-458.72	-54.15	-395.86	-635.88	-407.88	-623.86	-52.36
463	13	422	7.87	-49.62	-70.63	-53.52	-66.73	8.17	1477.81	107.22	1476.61	108.41	-40.45
		553	7.92	-48.18	-66.91	-52.97	-62.11	8.17	1476.30	80.78	1473.62	83.46	-61.17
		554	7.41	-45.08	-65.68	-49.11	-61.65	8.17	1381.96	66.46	1376.61	71.82	-83.78
		423	7.35	-46.32	-69.62	-49.67	-66.27	8.17	1382.69	93.68	1379.60	96.77	-63.06
463	15	422	7.87	-49.62	-70.63	-53.52	-66.73	8.17	1477.81	107.22	1476.61	108.41	-40.45
		553	7.92	-48.18	-66.91	-52.97	-62.11	8.17	1476.30	80.78	1473.62	83.46	-61.17
		554	7.41	-45.08	-65.68	-49.11	-61.65	8.17	1381.96	66.46	1376.61	71.82	-83.78
		423	7.35	-46.32	-69.62	-49.67	-66.27	8.17	1382.69	93.68	1379.60	96.77	-63.06
464	1	423	9.56	-56.40	-72.38	-62.22	-66.56	7.69	1806.08	194.57	1802.20	198.45	-79.05
		554	9.64	-56.38	-72.34	-62.21	-66.51	7.69	1813.31	175.35	1800.91	187.75	-141.95
		555	8.06	-48.32	-68.75	-51.81	-65.26	7.69	1523.22	135.63	1506.44	152.41	-151.65
		424	7.96	-48.33	-68.79	-51.82	-65.31	7.69	1513.56	157.28	1507.72	163.12	-88.76
464	10	423	10.69	207.48	-55.82	-47.10	198.76	47.11	1308.21	314.93	1308.13	315.01	9.07
		554	10.05	167.39	-62.19	-52.08	157.28	47.11	1306.91	303.15	1306.73	303.34	-13.54
		555	9.36	169.23	-51.18	-40.60	158.65	47.11	1201.49	289.99	1200.85	290.63	-24.13
		424	10.02	209.20	-44.69	-35.63	200.14	47.11	1202.26	302.31	1202.25	302.31	-1.51
464	13	423	7.35	-43.38	-55.68	-47.86	-51.20	5.91	1389.30	149.67	1386.31	152.66	-60.81
		554	7.41	-43.37	-55.65	-47.86	-51.16	5.91	1394.85	134.89	1385.32	144.42	-109.19
		555	6.20	-37.17	-52.88	-39.85	-50.20	5.91	1171.71	104.33	1158.80	117.24	-116.66
		424	6.12	-37.18	-52.92	-39.86	-50.24	5.91	1164.28	120.99	1159.79	125.47	-68.27
464	15	423	7.35	-43.38	-55.68	-47.86	-51.20	5.91	1389.30	149.67	1386.31	152.66	-60.81
		554	7.41	-43.37	-55.65	-47.86	-51.16	5.91	1394.85	134.89	1385.32	144.42	-109.19
		555	6.20	-37.17	-52.88	-39.85	-50.20	5.91	1171.71	104.33	1158.80	117.24	-116.66
		424	6.12	-37.18	-52.92	-39.86	-50.24	5.91	1164.28	120.99	1159.79	125.47	-68.27
465	1	424	7.96	-46.46	-56.82	-50.33	-52.95	5.01	1515.84	185.67	1511.01	190.50	-80.00
		555	8.06	-47.27	-58.19	-50.57	-54.89	5.01	1529.58	171.37	1510.95	190.00	-157.97
		556	6.13	-36.84	-54.94	-38.36	-53.43	5.01	1170.43	121.69	1145.93	146.20	-158.42
		425	5.99	-36.45	-53.15	-38.12	-51.48	5.01	1152.42	140.26	1145.99	146.70	-80.46
465	10	424	8.95	133.94	-54.47	-44.74	124.21	41.70	1189.00	191.89	1189.00	191.89	-0.43
		555	8.73	115.76	-57.72	-47.03	105.08	41.70	1190.31	187.93	1188.72	189.52	-39.91
		556	7.69	117.83	-46.73	-35.38	106.48	41.70	1005.99	165.23	1003.88	167.34	-42.06
		425	7.91	135.90	-43.38	-33.09	125.61	41.70	1004.17	169.70	1004.16	169.71	-2.58
465	13	424	6.12	-35.74	-43.71	-38.72	-40.73	3.86	1166.03	142.82	1162.32	146.54	-61.54
		555	6.20	-36.36	-44.76	-38.90	-42.22	3.86	1176.60	131.82	1162.27	146.15	-121.51
		556	4.71	-28.34	-42.26	-29.51	-41.10	3.86	900.33	93.61	881.48	112.46	-121.86
		425	4.61	-28.04	-40.89	-29.33	-39.60	3.86	886.48	107.89	881.53	112.84	-61.89
465	15	424	6.12	-35.74	-43.71	-38.72	-40.73	3.86	1166.03	142.82	1162.32	146.54	-61.54
		555	6.20	-36.36	-44.76	-38.90	-42.22	3.86	1176.60	131.82	1162.27	146.15	-121.51
		556	4.71	-28.34	-42.26	-29.51	-41.10	3.86	900.33	93.61	881.48	112.46	-121.86
		425	4.61	-28.04	-40.89	-29.33	-39.60	3.86	886.48	107.89	881.53	112.84	-61.89
466	4	425	6.55	39.13	-36.55	37.96	-35.38	9.34	-137.11	-1080.44	-1079.51	-138.04	29.66
		556	6.61	38.42	-41.88	37.32	-40.78	9.34	-139.44	-1080.81	-1079.80	-140.45	30.82
		557	6.57	37.89	-41.95	36.78	-40.85	9.34	-138.92	-1075.24	-1074.37	-139.80	28.64
		426	6.51	38.60	-36.62	37.43	-35.44	9.34	-136.59	-1074.88	-1074.08	-137.39	27.48
466	10	425	7.09	84.34	-51.59	-39.49	72.25	38.70	999.09	125.82	998.92	126.00	12.43
		556	7.10	77.11	-53.18	-40.44	64.37	38.70	1000.60	124.97	998.99	126.59	-37.60
		557	5.85	79.60	-42.59	-28.77	65.77	38.70	766.81	96.43	764.76	98.48	-37.07
		426	5.82	86.72	-40.90	-27.82	73.65	38.70	764.94	97.64	764.69	97.89	12.96
466	13	425	4.60	-27.57	-33.90	-28.53	-32.94	2.26	886.45	116.73	882.47	120.71	-55.18
		556	4.69	-28.05	-35.77	-28.78	-35.04	2.26	900.30	107.24	882.94	124.60	-116.04
		557	3.21	-18.86	-34.23	-19.20	-33.89	2.26	621.84	66.59	598.02	90.41	-112.51
		426	3.08	-18.56	-32.18	-18.95	-31.79	2.26	602.72	81.35	597.55	86.52	-51.65
466	15	425	4.60	-27.57	-33.90	-28.53	-32.94	2.26	886.45	116.73	882.47	120.71	-55.18
		556	4.69	-28.05	-35.77	-28.78	-35.04	2.26	900.30	107.24	882.94	124.60	-116.04

		557	3.21	-18.86	-34.23	-19.20	-33.89	2.26	621.84	66.59	598.02	90.41	-112.51
		426	3.08	-18.56	-32.18	-18.95	-31.79	2.26	602.72	81.35	597.55	86.52	-51.65
467	4	426	6.44	39.20	-26.77	38.55	-26.12	6.54	-116.69	-1071.95	-1071.63	-117.00	17.32
		557	6.51	38.49	-32.25	37.88	-31.64	6.54	-112.68	-1071.83	-1071.19	-113.33	24.83
		558	6.32	37.27	-32.40	36.65	-31.78	6.54	-108.25	-1036.90	-1036.05	-109.11	28.16
		427	6.25	37.98	-26.93	37.31	-26.26	6.54	-112.32	-1036.95	-1036.49	-112.79	20.66
467	7	426	5.64	27.73	-101.37	21.56	-95.19	27.55	-64.79	-653.86	-653.29	-65.36	-18.31
		557	5.82	26.52	-108.64	20.65	-102.77	27.55	-62.10	-655.01	-653.12	-63.99	-33.38
		558	6.09	26.54	-108.64	20.67	-102.77	27.55	-70.88	-725.28	-723.70	-72.46	-32.14
		427	5.91	27.75	-101.36	21.58	-95.19	27.55	-73.38	-724.31	-723.86	-73.83	-17.07
467	14	426	2.78	16.27	-26.59	15.82	-26.14	4.38	-32.67	-403.80	-403.63	-32.84	-8.06
		557	2.88	15.70	-30.97	15.29	-30.56	4.38	-25.90	-404.70	-403.00	-27.60	-25.32
		558	3.30	18.50	-30.61	18.10	-30.22	4.38	-36.35	-484.71	-483.77	-37.29	-20.56
		427	3.21	19.06	-26.23	18.64	-25.80	4.38	-42.51	-484.42	-484.40	-42.54	-3.31
467	15	426	3.07	-18.12	-26.33	-18.28	-26.17	1.13	602.56	89.21	598.38	93.39	-46.15
		557	3.16	-18.49	-29.06	-18.61	-28.94	1.13	618.81	81.47	599.29	100.99	-100.54
		558	1.91	-9.64	-27.94	-9.71	-27.87	1.13	373.58	41.49	344.65	70.43	-93.66
		427	1.74	-9.30	-25.18	-9.38	-25.10	1.13	349.12	57.45	343.74	62.84	-39.27
468	4	427	6.20	38.48	-19.67	38.14	-19.33	4.42	-96.93	-1034.84	-1034.61	-97.16	14.74
		558	6.28	37.81	-25.07	37.49	-24.76	4.42	-85.85	-1034.77	-1033.42	-87.20	35.76
		559	5.74	34.34	-25.50	34.01	-25.17	4.42	-73.07	-937.35	-935.02	-75.39	44.79
		428	5.65	35.02	-20.10	34.67	-19.75	4.42	-84.69	-936.88	-936.22	-85.36	23.77
468	11	427	5.49	32.40	-71.25	25.73	-64.57	-25.44	-42.92	-727.34	-726.67	-43.60	21.50
		558	5.57	31.76	-74.68	25.29	-68.21	-25.44	-32.89	-725.73	-725.42	-33.20	14.66
		559	5.71	31.16	-74.79	24.65	-68.28	-25.44	-36.24	-758.26	-757.45	-37.04	24.08
		428	5.63	31.80	-71.36	25.09	-64.65	-25.44	-46.10	-760.04	-758.70	-47.44	30.92
468	14	427	3.15	19.60	-19.79	19.38	-19.58	2.90	-29.12	-482.86	-482.80	-29.18	-5.34
		558	3.25	19.01	-24.48	18.82	-24.28	2.90	-18.08	-481.66	-481.48	-18.26	-8.96
		559	3.33	19.58	-24.40	19.39	-24.21	2.90	-20.29	-498.43	-498.43	-20.29	0.95
		428	3.24	20.16	-19.72	19.95	-19.51	2.90	-31.17	-499.78	-499.74	-31.22	4.57
468	16	427	2.66	16.45	-19.82	16.25	-19.62	2.65	-17.65	-391.03	-390.83	-17.85	-8.69
		558	2.76	15.88	-24.38	15.70	-24.20	2.65	-6.06	-390.20	-389.50	-6.76	-16.41
		559	2.94	17.12	-24.22	16.95	-24.05	2.65	-11.01	-425.76	-425.66	-11.10	-6.36
		428	2.84	17.69	-19.66	17.50	-19.47	2.65	-22.19	-427.00	-426.99	-22.19	1.36
469	2	303	8.52	-14.72	-41.80	-30.32	-26.20	13.38	1508.76	-170.20	8.31	1330.26	-517.54
		305	11.80	-35.10	-95.31	-38.24	-92.17	13.38	1905.47	-97.19	58.63	1749.64	-536.46
		560	11.70	37.61	-84.73	36.13	-83.24	13.38	1752.72	-43.65	-29.94	1739.02	-156.32
		550	8.12	46.84	-20.06	44.05	-17.27	13.38	1332.98	-93.63	-80.27	1319.63	-137.40
469	11	303	29.07	-163.53	-333.81	-172.63	-324.71	-38.29	4603.30	532.58	587.99	4547.89	471.70
		305	35.46	-186.39	-485.84	-191.37	-480.86	-38.29	5104.04	605.26	649.43	5059.87	443.58
		560	38.49	71.67	-452.45	68.86	-449.63	-38.29	5219.30	342.56	517.78	5044.08	907.64
		550	32.25	91.41	-297.29	87.60	-293.48	-38.29	4736.67	251.77	456.34	4532.09	935.76
469	14	303	6.12	-13.20	-34.61	-23.69	-24.12	10.70	1089.59	-70.79	18.94	999.86	-309.95
		305	8.76	-26.92	-74.67	-29.45	-72.14	10.70	1419.73	-17.10	60.07	1342.56	-323.92
		560	8.75	19.76	-67.72	18.43	-66.39	10.70	1334.85	-5.45	-5.32	1334.71	-13.29
		550	5.92	26.73	-20.91	24.19	-18.37	10.70	992.01	-46.44	-46.44	992.01	0.67
469	16	303	5.97	-13.86	-35.66	-23.83	-25.68	10.86	1063.50	-48.98	23.89	990.63	-275.23
		305	8.66	-26.89	-75.20	-29.47	-72.62	10.86	1403.67	3.54	65.96	1341.25	-288.96
		560	8.67	16.15	-68.73	14.74	-67.32	10.86	1334.16	1.04	1.66	1333.54	28.84
		550	5.83	23.09	-23.09	20.38	-20.38	10.86	984.68	-42.18	-40.41	982.92	42.57
470	2	550	7.75	45.19	-37.66	41.99	-34.46	15.98	1130.19	-130.78	-105.98	1105.39	-175.09
		560	8.68	38.56	-83.00	36.42	-80.86	15.98	1082.47	-132.62	-111.29	1061.14	-159.58
		562	8.52	32.16	-83.88	29.91	-81.64	15.98	1104.73	-73.56	-38.68	1069.85	-199.70
		551	7.59	38.92	-38.68	35.48	-35.24	15.98	1153.14	-72.40	-33.37	1114.11	-215.21
470	11	550	26.29	96.54	-263.64	91.75	-258.85	-41.26	3658.08	215.18	336.86	3536.41	635.71
		560	24.90	85.60	-347.20	81.63	-343.23	-41.26	2878.66	73.82	238.21	2714.28	658.82
		562	23.09	45.68	-352.39	41.35	-348.06	-41.26	2730.39	343.29	346.42	2727.27	-86.35
		551	24.60	56.79	-268.99	51.48	-263.68	-41.26	3553.25	441.22	445.08	3549.39	-109.46
470	14	550	5.00	25.48	-35.54	22.49	-32.55	13.17	694.11	-82.72	-82.25	693.64	-19.12
		560	5.57	20.74	-66.24	18.69	-64.20	13.17	642.71	-88.36	-88.36	642.70	-1.97
		562	5.34	12.74	-67.41	10.51	-65.18	13.17	655.82	-11.57	-8.08	652.33	-48.14
		551	4.78	17.69	-36.92	14.31	-33.53	13.17	709.26	-7.96	-1.97	703.27	-65.28
470	16	550	4.65	21.85	-38.15	18.63	-34.93	13.52	632.89	-83.51	-82.53	631.92	26.41
		560	5.17	17.25	-67.21	15.02	-64.98	13.52	577.45	-92.56	-89.44	574.33	45.61
		562	4.89	8.05	-68.58	5.58	-66.12	13.52	585.19	0.38	0.46	585.12	-6.58
		551	4.39	12.92	-39.80	9.19	-36.06	13.52	643.75	6.32	7.37	642.71	-25.79
471	4	551	5.07	41.41	-48.91	41.34	-48.84	2.45	491.59	-244.93	-139.63	386.29	-257.82
		562	5.59	39.80	-62.26	39.74	-62.20	2.45	545.20	-216.09	-130.80	459.91	-240.12
		564	4.96	26.44	-63.87	26.37	-63.80	2.45	522.55	-100.62	-47.92	469.85	-173.39
		552	4.39	28.05	-50.52	27.97	-50.45	2.45	466.08	-126.60	-56.75	396.24	-191.09
471	7	551	20.78	94.42	-246.77	62.92	-215.27	98.76	2495.28	-171.66	-156.70	2480.32	-199.18
		562	21.19	77.97	-328.72	52.38	-303.12	98.76	2110.19	-209.50	-202.01	2102.70	-131.56
		564	21.31	55.62	-332.95	28.65	-305.97	98.76	2246.03	9.27	114.61	2140.70	-473.83
		552	21.00	72.73	-251.66	39.19	-218.12	98.76	2636.69	41.55	159.92	2518.32	-541.46
471	13	551	3.58	-29.82	-73.06	-33.33	-69.55	11.81	154.44	-327.51	37.77	-210.84	206.44
		562	4.18	-29.61	-72.05	-33.19	-68.46	11.81	157.74	-450.61	24.94	-317.80	251.31
		564	3.81	-45.27	-76.08	-50.78	-70.57	11.81	276.84	-334.44	235.00	-292.59	154.36

		552	3.22	-45.57	-77.00	-50.91	-71.66	11.81	273.92	-211.72	247.83	-185.63	109.49
471	15	551	3.58	-29.82	-73.06	-33.33	-69.55	11.81	154.44	-327.51	37.77	-210.84	206.44
		562	4.18	-29.61	-72.05	-33.19	-68.46	11.81	157.74	-450.61	24.94	-317.80	251.31
		564	3.81	-45.27	-76.08	-50.78	-70.57	11.81	276.84	-334.44	235.00	-292.59	154.36
		552	3.22	-45.57	-77.00	-50.91	-71.66	11.81	273.92	-211.72	247.83	-185.63	109.49
472	1	552	3.79	-63.69	-96.04	-66.23	-93.50	8.70	327.11	-242.69	322.57	-238.14	50.69
		564	4.03	-61.71	-87.43	-65.10	-84.05	8.70	319.98	-343.56	311.00	-334.57	76.70
		566	4.07	-65.50	-88.54	-69.47	-84.57	8.70	432.91	-320.11	432.76	-319.96	-10.70
		553	3.87	-67.73	-96.91	-70.60	-94.03	8.70	446.34	-225.54	444.33	-223.53	-36.71
472	9	552	18.01	8.26	-391.74	-50.09	-333.39	-141.20	346.18	-1219.94	268.30	-1142.06	-340.45
		564	14.97	42.97	-289.70	-35.43	-211.29	-141.20	424.31	-1031.56	296.86	-904.11	-411.47
		566	13.34	46.68	-288.18	-30.77	-210.73	-141.20	4.75	-984.42	-35.65	-944.01	-195.79
		553	16.63	12.34	-390.59	-45.42	-332.83	-141.20	-50.45	-1195.72	-64.21	-1181.96	-124.77
472	13	552	2.92	-48.99	-73.88	-50.95	-71.93	6.69	251.63	-186.68	248.13	-183.19	39.00
		564	3.10	-47.47	-67.26	-50.07	-64.65	6.69	246.14	-264.28	239.23	-257.36	59.00
		566	3.13	-50.38	-68.11	-53.44	-65.05	6.69	333.01	-246.24	332.89	-246.12	-8.23
		553	2.97	-52.10	-74.54	-54.31	-72.33	6.69	343.34	-173.49	341.79	-171.95	-28.24
472	15	552	2.92	-48.99	-73.88	-50.95	-71.93	6.69	251.63	-186.68	248.13	-183.19	39.00
		564	3.10	-47.47	-67.26	-50.07	-64.65	6.69	246.14	-264.28	239.23	-257.36	59.00
		566	3.13	-50.38	-68.11	-53.44	-65.05	6.69	333.01	-246.24	332.89	-246.12	-8.23
		553	2.97	-52.10	-74.54	-54.31	-72.33	6.69	343.34	-173.49	341.79	-171.95	-28.24
473	2	553	4.09	8.35	-102.99	8.35	-102.99	-0.06	-85.31	-285.09	-113.50	-256.90	69.55
		566	3.64	9.94	-89.74	9.94	-89.74	-0.06	-93.56	-258.19	-111.50	-240.26	51.30
		568	3.59	16.13	-89.00	16.13	-89.00	-0.06	-152.14	-295.31	-196.94	-250.51	66.39
		554	4.04	14.54	-102.25	14.54	-102.25	-0.06	-141.80	-324.30	-198.94	-267.15	84.64
473	11	553	14.18	-4.45	-377.25	-24.82	-356.88	-84.73	180.48	-626.61	85.63	-531.76	-259.91
		566	11.91	10.32	-299.50	-14.91	-274.27	-84.73	259.32	-534.86	103.91	-379.46	-315.07
		568	10.97	17.78	-297.97	-6.88	-273.31	-84.73	-63.90	-500.88	-154.33	-410.44	-177.03
		554	13.38	3.19	-375.91	-16.80	-355.92	-84.73	-137.67	-597.69	-172.61	-562.75	-121.87
473	13	553	2.96	-51.31	-63.90	-53.08	-62.13	4.38	370.42	-64.68	356.35	-50.61	-76.96
		566	2.95	-50.14	-60.41	-52.59	-57.96	4.38	362.11	-112.91	350.29	-101.09	-73.99
		568	3.03	-46.26	-59.12	-47.97	-57.41	4.38	393.31	-128.52	364.21	-99.42	-119.74
		554	3.04	-47.14	-62.90	-48.47	-61.57	4.38	403.55	-82.22	370.27	-48.94	-122.72
473	15	553	2.96	-51.31	-63.90	-53.08	-62.13	4.38	370.42	-64.68	356.35	-50.61	-76.96
		566	2.95	-50.14	-60.41	-52.59	-57.96	4.38	362.11	-112.91	350.29	-101.09	-73.99
		568	3.03	-46.26	-59.12	-47.97	-57.41	4.38	393.31	-128.52	364.21	-99.42	-119.74
		554	3.04	-47.14	-62.90	-48.47	-61.57	4.38	403.55	-82.22	370.27	-48.94	-122.72
474	1	554	4.05	-59.06	-68.72	-61.38	-66.41	4.12	562.42	-38.99	492.67	30.76	-192.57
		568	4.08	-58.60	-67.71	-61.22	-65.09	4.12	563.73	-68.34	489.67	5.72	-203.29
		569	3.77	-49.45	-65.01	-50.63	-63.82	4.12	534.91	-95.72	439.49	-0.30	-225.98
		555	3.74	-49.69	-66.24	-50.79	-65.14	4.12	533.56	-66.33	442.49	24.74	-215.27
474	11	554	9.80	9.11	-297.23	-7.73	-280.39	-69.82	-118.56	-300.53	-138.72	-280.36	-57.12
		568	8.49	18.23	-248.38	-1.52	-228.63	-69.82	-92.26	-288.63	-134.63	-246.25	-80.78
		569	8.26	22.76	-247.48	3.32	-228.05	-69.82	-202.10	-302.83	-245.39	-259.55	-49.87
		555	9.59	13.72	-296.42	-2.89	-279.81	-69.82	-237.30	-305.84	-249.49	-293.65	-26.21
474	13	554	3.12	-45.43	-52.86	-47.21	-51.08	3.17	432.63	-29.99	378.98	23.66	-148.13
		568	3.14	-45.08	-52.09	-47.09	-50.07	3.17	433.64	-52.57	376.67	4.40	-156.38
		569	2.90	-38.04	-50.00	-38.95	-49.10	3.17	411.47	-73.63	338.07	-0.23	-173.83
		555	2.88	-38.22	-50.95	-39.07	-50.11	3.17	410.43	-51.03	340.38	19.03	-165.59
474	15	554	3.12	-45.43	-52.86	-47.21	-51.08	3.17	432.63	-29.99	378.98	23.66	-148.13
		568	3.14	-45.08	-52.09	-47.09	-50.07	3.17	433.64	-52.57	376.67	4.40	-156.38
		569	2.90	-38.04	-50.00	-38.95	-49.10	3.17	411.47	-73.63	338.07	-0.23	-173.83
		555	2.88	-38.22	-50.95	-39.07	-50.11	3.17	410.43	-51.03	340.38	19.03	-165.59
475	1	376	9.64	43.57	-193.19	-45.86	-103.76	-114.78	-125.78	-775.94	-395.73	-505.98	-320.37
		346	9.64	43.57	-193.19	-45.86	-103.76	-114.78	-125.78	-775.94	-395.73	-505.98	-320.37
		386	9.64	43.57	-193.19	-45.86	-103.76	-114.78	-125.78	-775.94	-395.73	-505.98	-320.37
475	7	376	48.71	361.72	-1302.02	262.39	-1202.70	-394.19	144.98	-1632.03	-684.29	-802.76	-886.53
		346	48.71	361.72	-1302.02	262.39	-1202.70	-394.19	144.98	-1632.03	-684.29	-802.76	-886.53
		386	48.71	361.72	-1302.02	262.39	-1202.70	-394.19	144.98	-1632.03	-684.29	-802.76	-886.53
475	13	376	7.42	33.51	-148.61	-35.28	-79.82	-88.29	-96.75	-596.87	-304.41	-389.22	-246.44
		346	7.42	33.51	-148.61	-35.28	-79.82	-88.29	-96.75	-596.87	-304.41	-389.22	-246.44
		386	7.42	33.51	-148.61	-35.28	-79.82	-88.29	-96.75	-596.87	-304.41	-389.22	-246.44
475	15	376	7.42	33.51	-148.61	-35.28	-79.82	-88.29	-96.75	-596.87	-304.41	-389.22	-246.44
		346	7.42	33.51	-148.61	-35.28	-79.82	-88.29	-96.75	-596.87	-304.41	-389.22	-246.44
		386	7.42	33.51	-148.61	-35.28	-79.82	-88.29	-96.75	-596.87	-304.41	-389.22	-246.44
476	1	555	3.72	-48.27	-56.04	-49.54	-54.77	2.88	548.08	-38.75	447.00	62.32	-221.58
		569	3.82	-48.48	-56.78	-49.64	-55.62	2.88	563.10	-53.44	447.04	62.61	-241.01
		571	3.30	-36.95	-54.64	-37.43	-54.15	2.88	488.70	-80.93	356.08	51.70	-240.75
		556	3.18	-36.82	-53.81	-37.33	-53.30	2.88	472.39	-64.94	356.04	51.41	-221.32
476	10	555	7.42	131.87	-67.08	-41.01	105.80	67.13	766.63	134.46	762.69	138.40	-49.76
		569	7.11	108.40	-73.76	-44.24	78.88	67.13	767.89	123.08	761.60	129.37	-63.34
		571	6.73	110.91	-65.80	-34.89	80.00	67.13	706.81	113.00	698.06	121.74	-71.52
		556	7.04	134.11	-58.84	-31.66	106.93	67.13	705.00	124.93	699.15	130.78	-57.95
476	13	555	2.86	-37.13	-43.11	-38.11	-42.13	2.22	421.60	-29.81	343.85	47.94	-170.45
		569	2.93	-37.29	-43.68	-38.19	-42.78	2.22	433.15	-41.11	343.88	48.16	-185.39
		571	2.54	-28.42	-42.03	-28.79	-41.66	2.22	375.93	-62.25	273.90	39.77	-185.19
		556	2.45	-28.33	-41.39	-28.71	-41.00	2.22	363.38	-49.96	273.88	39.55	-170.24

476	15	555	2.86	-37.13	-43.11	-38.11	-42.13	2.22	421.60	-29.81	343.85	47.94	-170.45
		569	2.93	-37.29	-43.68	-38.19	-42.78	2.22	433.15	-41.11	343.88	48.16	-185.39
		571	2.54	-28.42	-42.03	-28.79	-41.66	2.22	375.93	-62.25	273.90	39.77	-185.19
		556	2.45	-28.33	-41.39	-28.71	-41.00	2.22	363.38	-49.96	273.88	39.55	-170.24
477	4	556	3.32	39.04	-41.15	38.52	-40.64	6.42	-43.26	-348.51	-340.09	-51.68	50.00
		571	3.35	38.61	-44.53	38.11	-44.03	6.42	-52.37	-349.67	-341.19	-60.85	49.49
		573	3.35	38.56	-44.54	38.06	-44.04	6.42	-55.26	-349.46	-343.58	-61.14	41.18
		557	3.32	38.99	-41.16	38.47	-40.64	6.42	-46.10	-348.35	-342.48	-51.97	41.69
477	10	556	6.23	90.57	-62.47	-36.71	64.82	57.25	698.96	85.32	694.26	90.02	-53.50
		571	6.13	77.33	-66.88	-38.60	49.06	57.25	704.91	86.90	695.06	96.74	-77.38
		573	5.46	80.81	-57.50	-27.13	50.44	57.25	593.21	73.36	583.25	83.33	-71.29
		557	5.56	93.74	-52.79	-25.24	66.19	57.25	586.85	72.20	582.44	76.61	-47.41
477	13	556	2.37	-27.75	-35.18	-27.99	-34.95	1.30	362.36	-35.33	275.33	51.69	-164.42
		571	2.48	-27.97	-36.66	-28.17	-36.46	1.30	379.92	-41.55	276.55	61.81	-181.33
		573	2.07	-18.56	-35.42	-18.66	-35.32	1.30	311.65	-61.97	197.37	52.31	-172.16
		557	1.94	-18.37	-33.92	-18.48	-33.81	1.30	292.45	-54.11	196.15	42.19	-155.24
477	15	556	2.37	-27.75	-35.18	-27.99	-34.95	1.30	362.36	-35.33	275.33	51.69	-164.42
		571	2.48	-27.97	-36.66	-28.17	-36.46	1.30	379.92	-41.55	276.55	61.81	-181.33
		573	2.07	-18.56	-35.42	-18.66	-35.32	1.30	311.65	-61.97	197.37	52.31	-172.16
		557	1.94	-18.37	-33.92	-18.48	-33.81	1.30	292.45	-54.11	196.15	42.19	-155.24
478	4	557	3.25	39.93	-31.78	39.58	-31.43	5.00	-20.99	-343.81	-339.31	-25.50	37.89
		573	3.33	39.43	-35.76	39.10	-35.43	5.00	-15.16	-343.85	-338.68	-20.33	40.89
		575	3.23	37.94	-35.95	37.60	-35.61	5.00	-12.00	-331.25	-324.60	-18.64	45.58
		558	3.15	38.44	-31.97	38.08	-31.61	5.00	-17.91	-331.12	-325.22	-23.81	42.57
478	10	557	4.83	61.06	-52.72	-28.74	37.07	46.41	583.75	65.56	581.40	67.91	-34.81
		573	4.83	53.01	-55.91	-29.94	27.04	46.41	591.13	74.63	583.16	82.61	-63.68
		575	3.99	58.12	-44.66	-15.34	28.79	46.41	454.56	59.86	448.03	66.39	-50.35
		558	3.98	65.78	-41.09	-14.13	38.82	46.41	447.43	50.53	446.26	51.69	-21.49
478	14	557	1.78	16.81	-30.62	16.59	-30.40	3.23	14.40	-133.21	-124.61	5.80	-34.58
		573	1.89	16.41	-33.84	16.21	-33.63	3.23	26.23	-133.50	-123.38	16.11	-38.91
		575	2.00	18.98	-33.52	18.78	-33.32	3.23	19.05	-149.06	-143.68	13.67	-29.57
		558	1.89	19.38	-30.30	19.16	-30.09	3.23	7.54	-149.10	-144.92	3.37	-25.24
478	15	557	1.82	-17.85	-28.88	-17.88	-28.85	0.59	285.58	-35.40	197.42	52.76	-143.27
		573	1.95	-18.10	-30.95	-18.13	-30.93	0.59	306.38	-36.02	199.58	70.77	-158.62
		575	1.62	-9.44	-29.90	-9.46	-29.88	0.59	240.95	-51.11	127.70	62.14	-142.30
		558	1.46	-9.19	-27.83	-9.21	-27.81	0.59	218.15	-48.48	125.53	44.13	-126.95
479	4	558	3.11	39.15	-24.81	38.92	-24.59	3.82	5.76	-330.26	-322.59	-1.90	50.17
		575	3.22	38.70	-28.50	38.48	-28.28	3.82	24.55	-330.17	-320.57	14.94	57.56
		2	2.98	34.54	-29.01	34.31	-28.78	3.82	35.59	-302.46	-285.96	19.10	72.83
		559	2.86	35.00	-25.33	34.76	-25.09	3.82	16.32	-302.06	-287.99	2.25	65.44
479	5	558	4.39	44.38	-28.31	9.01	7.07	-36.33	166.55	-471.68	-305.14	0.01	-280.27
		575	4.34	45.99	-26.68	9.35	9.95	-36.33	178.29	-452.88	-301.87	27.28	-269.28
		2	4.04	48.12	-24.59	13.12	10.41	-36.33	174.30	-391.22	-250.38	33.45	-244.57
		559	4.10	46.58	-26.28	12.78	7.52	-36.33	162.96	-410.42	-253.65	6.19	-255.56
479	14	558	1.82	20.02	-24.29	19.88	-24.15	2.48	23.52	-143.75	-142.64	22.41	-13.63
		575	1.95	19.63	-27.43	19.50	-27.30	2.48	43.53	-141.28	-140.23	42.47	-13.91
		2	1.94	19.61	-27.44	19.48	-27.30	2.48	42.41	-141.65	-141.55	42.31	4.27
		559	1.81	20.00	-24.30	19.86	-24.16	2.48	22.37	-144.09	-143.96	22.25	4.56
479	16	558	1.63	16.83	-24.21	16.70	-24.08	2.26	30.57	-116.75	-112.64	26.46	-24.26
		575	1.77	16.45	-27.26	16.34	-27.14	2.26	51.20	-114.30	-110.17	47.06	-25.83
		2	1.79	17.13	-27.17	17.01	-27.06	2.26	46.50	-117.80	-117.48	46.18	-7.15
		559	1.65	17.50	-24.12	17.38	-24.00	2.26	25.79	-120.17	-119.96	25.58	-5.59
480	1	305	10.56	-41.16	-104.71	-45.53	-100.33	16.08	1723.77	92.24	92.53	1723.48	21.61
		306	13.55	-46.16	-134.00	-49.21	-130.95	16.08	2186.72	147.83	148.09	2186.47	-22.76
		3	14.31	-18.86	-129.97	-21.24	-127.59	16.08	2230.33	-128.45	-59.66	2161.54	396.89
		560	11.51	-14.43	-100.11	-17.56	-96.98	16.08	1800.21	-216.87	-115.22	1698.55	441.27
480	11	305	38.05	-168.69	-524.49	-210.07	-483.11	-114.06	5320.73	364.58	628.01	5057.30	1111.84
		306	36.68	-169.64	-528.34	-210.58	-487.40	-114.06	4987.47	301.79	585.57	4703.68	1117.67
		3	37.62	93.01	-477.62	69.22	-453.82	-114.06	4856.69	463.11	612.84	4706.96	797.15
		560	39.04	93.69	-473.48	69.74	-449.53	-114.06	5198.41	517.44	655.28	5060.58	791.32
480	13	305	8.12	-31.66	-80.54	-35.03	-77.18	12.37	1325.97	70.96	71.18	1325.75	16.63
		306	10.42	-35.51	-103.07	-37.85	-100.73	12.37	1682.09	113.72	113.91	1681.90	-17.51
		3	11.01	-14.51	-99.98	-16.34	-98.15	12.37	1715.64	-98.81	-45.89	1662.72	305.30
		560	8.85	-11.10	-77.01	-13.51	-74.60	12.37	1384.78	-166.83	-88.63	1306.58	339.44
480	15	305	8.12	-31.66	-80.54	-35.03	-77.18	12.37	1325.97	70.96	71.18	1325.75	16.63
		306	10.42	-35.51	-103.07	-37.85	-100.73	12.37	1682.09	113.72	113.91	1681.90	-17.51
		3	11.01	-14.51	-99.98	-16.34	-98.15	12.37	1715.64	-98.81	-45.89	1662.72	305.30
		560	8.85	-11.10	-77.01	-13.51	-74.60	12.37	1384.78	-166.83	-88.63	1306.58	339.44
481	2	560	8.17	41.52	-83.12	38.95	-80.55	17.70	1125.05	131.93	162.93	1094.04	-172.72
		3	8.89	37.67	-111.19	35.53	-109.06	17.70	1126.45	142.44	164.21	1104.68	-144.73
		4	8.63	36.58	-111.34	34.43	-109.19	17.70	1141.96	273.67	295.22	1120.41	-135.09
		562	7.90	40.44	-83.27	37.85	-80.68	17.70	1141.15	262.56	293.95	1109.77	-163.07
481	7	560	23.61	30.24	-408.09	13.60	-391.45	83.76	2548.47	-24.43	22.80	2501.23	345.39
		3	24.49	19.47	-478.12	4.95	-463.59	83.76	2307.99	-44.73	-5.14	2268.40	302.62
		4	25.75	73.94	-470.12	60.72	-456.90	83.76	2247.79	-208.79	-205.37	2244.37	91.58
		562	24.86	84.33	-399.72	69.38	-384.76	83.76	2483.99	-184.21	-177.43	2477.21	134.35
481	14	560	5.32	22.88	-66.37	20.49	-63.98	14.40	658.99	43.63	44.03	658.59	-15.67

		3	5.80	20.08	-86.04	18.08	-84.05	14.40	651.80	43.16	43.21	651.75	-5.33
		4	5.67	15.76	-86.65	13.70	-84.58	14.40	657.80	91.42	91.65	657.56	-11.52
		562	5.18	18.60	-67.00	16.10	-64.51	14.40	665.23	91.64	92.47	664.40	-21.87
481	16	560	4.97	19.33	-67.35	16.76	-64.78	14.72	588.11	10.38	12.00	586.50	30.49
		3	5.42	16.59	-86.27	14.44	-84.11	14.72	576.10	8.12	10.47	573.75	36.43
		4	5.31	10.92	-87.07	8.66	-84.81	14.72	578.23	37.15	38.29	577.09	24.88
		562	4.85	13.71	-68.20	10.98	-65.47	14.72	590.49	39.17	39.82	589.84	18.93
482	1	562	5.84	-33.44	-93.19	-38.23	-88.40	16.22	-164.27	-871.82	-552.73	-483.36	352.07
		4	6.27	-34.24	-97.17	-38.74	-92.68	16.22	-256.84	-940.87	-570.04	-627.67	340.80
		5	6.00	-56.23	-102.26	-62.92	-95.58	16.22	-418.33	-838.48	-622.81	-634.00	210.00
		564	5.57	-55.14	-98.57	-62.41	-91.30	16.22	-318.87	-776.31	-605.50	-489.69	221.27
482	7	562	21.31	93.25	-313.55	79.56	-299.86	73.36	2109.39	-231.83	-222.67	2100.22	-146.19
		4	21.38	85.53	-364.77	73.25	-352.48	73.36	1830.07	-261.92	-255.82	1823.97	-112.80
		5	21.28	62.48	-368.20	49.59	-355.32	73.36	1908.42	-165.20	-99.50	1842.73	-363.19
		564	21.24	70.34	-317.13	55.91	-302.70	73.36	2188.72	-136.09	-66.35	2118.98	-396.58
482	13	562	4.50	-25.73	-71.68	-29.41	-68.00	12.47	-126.36	-670.63	-425.17	-371.82	270.82
		4	4.82	-26.34	-74.75	-29.80	-71.29	12.47	-197.57	-723.75	-438.49	-482.82	262.15
		5	4.61	-43.26	-78.66	-48.40	-73.52	12.47	-321.79	-644.98	-479.09	-487.69	161.54
		564	4.28	-42.41	-75.83	-48.00	-70.23	12.47	-245.29	-597.17	-465.77	-376.69	170.21
482	15	562	4.50	-25.73	-71.68	-29.41	-68.00	12.47	-126.36	-670.63	-425.17	-371.82	270.82
		4	4.82	-26.34	-74.75	-29.80	-71.29	12.47	-197.57	-723.75	-438.49	-482.82	262.15
		5	4.61	-43.26	-78.66	-48.40	-73.52	12.47	-321.79	-644.98	-479.09	-487.69	161.54
		564	4.28	-42.41	-75.83	-48.00	-70.23	12.47	-245.29	-597.17	-465.77	-376.69	170.21
483	1	564	4.79	-59.03	-86.07	-61.48	-83.61	7.77	-397.20	-646.69	-600.00	-443.89	97.31
		5	5.04	-58.44	-83.49	-61.14	-80.79	7.77	-473.24	-690.43	-612.83	-550.83	104.08
		6	4.93	-64.73	-85.22	-68.29	-81.65	7.77	-545.59	-582.57	-581.13	-547.03	7.15
		566	4.68	-65.46	-87.65	-68.63	-84.47	7.77	-440.09	-568.30	-568.30	-440.09	0.37
483	7	564	15.66	66.34	-263.57	61.22	-258.44	40.80	1279.35	-377.15	-189.61	1091.82	-524.86
		5	16.00	63.73	-282.96	58.86	-278.09	40.80	1259.68	-333.67	-187.06	1113.07	-460.55
		6	14.88	25.99	-288.07	20.60	-282.68	40.80	1311.79	-48.51	114.07	1149.21	-441.28
		566	14.54	28.66	-268.74	22.96	-263.03	40.80	1336.61	-97.14	111.52	1127.95	-505.60
483	13	564	3.68	-45.41	-66.21	-47.29	-64.32	5.98	-305.54	-497.45	-461.54	-341.45	74.85
		5	3.88	-44.96	-64.22	-47.03	-62.15	5.98	-364.03	-531.10	-471.41	-423.72	80.06
		6	3.79	-49.79	-65.55	-52.53	-62.81	5.98	-419.69	-448.13	-447.02	-420.79	5.50
		566	3.60	-50.35	-67.42	-52.79	-64.98	5.98	-338.53	-437.15	-437.15	-338.53	0.29
483	15	564	3.68	-45.41	-66.21	-47.29	-64.32	5.98	-305.54	-497.45	-461.54	-341.45	74.85
		5	3.88	-44.96	-64.22	-47.03	-62.15	5.98	-364.03	-531.10	-471.41	-423.72	80.06
		6	3.79	-49.79	-65.55	-52.53	-62.81	5.98	-419.69	-448.13	-447.02	-420.79	5.50
		566	3.60	-50.35	-67.42	-52.79	-64.98	5.98	-338.53	-437.15	-437.15	-338.53	0.29
484	4	566	4.67	23.91	-72.58	23.90	-72.57	-1.03	402.27	-141.78	396.81	-136.32	54.24
		6	4.39	24.61	-66.71	24.60	-66.70	-1.03	403.83	-102.23	401.21	-99.61	36.28
		7	4.18	28.11	-66.29	28.10	-66.28	-1.03	328.21	-120.75	317.16	-109.70	69.56
		568	4.47	27.41	-72.16	27.40	-72.15	-1.03	328.87	-162.52	312.76	-146.41	87.51
484	11	566	12.71	11.03	-310.58	-24.17	-275.39	-100.40	371.55	-554.56	186.53	-369.54	-370.29
		6	11.11	26.19	-253.13	-16.39	-210.55	-100.40	458.69	-446.04	207.49	-194.84	-405.18
		7	9.94	30.03	-252.01	-11.96	-210.02	-100.40	193.50	-363.79	44.16	-214.44	-246.83
		568	11.70	15.03	-309.63	-19.74	-274.85	-100.40	112.70	-478.65	23.19	-389.14	-211.94
484	13	566	3.21	-51.00	-58.82	-51.94	-57.88	2.54	-175.91	-437.32	-419.75	-193.49	-65.47
		6	3.26	-50.31	-56.55	-51.63	-55.24	2.54	-232.88	-440.30	-426.17	-247.01	-52.27
		7	3.05	-46.67	-55.54	-47.47	-54.74	2.54	-183.45	-420.50	-364.36	-239.59	-100.78
		568	3.00	-47.15	-58.02	-47.78	-57.38	2.54	-129.26	-414.75	-357.94	-186.08	-113.98
484	15	566	3.21	-51.00	-58.82	-51.94	-57.88	2.54	-175.91	-437.32	-419.75	-193.49	-65.47
		6	3.26	-50.31	-56.55	-51.63	-55.24	2.54	-232.88	-440.30	-426.17	-247.01	-52.27
		7	3.05	-46.67	-55.54	-47.47	-54.74	2.54	-183.45	-420.50	-364.36	-239.59	-100.78
		568	3.00	-47.15	-58.02	-47.78	-57.38	2.54	-129.26	-414.75	-357.94	-186.08	-113.98
485	2	346	5.12	36.92	-100.87	2.09	-66.04	-59.88	-419.27	-623.98	-421.46	-621.79	21.05
		187	8.13	45.77	-251.65	33.18	-239.06	-59.88	-194.78	-370.06	-361.93	-202.91	-36.85
		239	8.59	-149.22	-330.03	-171.90	-307.35	-59.88	-71.02	-418.14	-385.23	-103.94	101.69
		386	4.88	27.64	-102.51	-62.90	-11.97	-59.88	-432.86	-788.68	-451.96	-769.58	80.20
485	5	346	47.01	1335.54	-435.20	1271.27	-370.94	331.16	684.69	83.70	103.76	664.62	107.96
		187	76.16	1738.00	-1107.49	1698.92	-1068.41	331.16	1661.92	-112.33	12.16	1537.43	453.18
		239	47.65	-208.39	-1578.00	-293.78	-1492.61	331.16	2336.95	308.13	795.24	1849.84	866.59
		386	26.61	709.67	-312.61	587.88	-190.83	331.16	435.97	288.46	340.75	383.69	70.56
485	13	346	5.07	-13.74	-138.94	-112.45	-40.24	-51.14	-340.49	-505.08	-340.50	-505.07	-0.78
		187	5.62	-67.99	-174.03	-107.02	-135.00	-51.14	-196.24	-324.54	-293.78	-227.00	-54.78
		239	6.57	-119.36	-221.95	-174.61	-166.70	-51.14	-158.73	-343.13	-337.02	-164.84	33.02
		386	5.31	9.35	-150.40	-131.88	-9.17	-51.14	-362.82	-612.05	-370.78	-604.08	43.84
485	15	346	5.07	-13.74	-138.94	-112.45	-40.24	-51.14	-340.49	-505.08	-340.50	-505.07	-0.78
		187	5.62	-67.99	-174.03	-107.02	-135.00	-51.14	-196.24	-324.54	-293.78	-227.00	-54.78
		239	6.57	-119.36	-221.95	-174.61	-166.70	-51.14	-158.73	-343.13	-337.02	-164.84	33.02
		386	5.31	9.35	-150.40	-131.88	-9.17	-51.14	-362.82	-612.05	-370.78	-604.08	43.84
486	4	568	4.20	28.21	-65.54	28.19	-65.53	1.17	339.08	-125.88	317.78	-104.58	97.22
		7	4.14	28.64	-61.96	28.62	-61.95	1.17	331.87	-128.92	316.68	-113.73	82.26
		8	3.97	33.43	-61.39	33.42	-61.37	1.17	260.91	-136.42	246.63	-122.14	73.96
		569	4.04	33.00	-64.97	32.99	-64.95	1.17	268.46	-133.71	247.73	-112.98	88.93
486	11	568	9.45	20.87	-265.41	-14.38	-230.17	-94.06	85.95	-268.00	42.90	-224.95	-115.70
		7	8.28	33.26	-221.15	-8.30	-179.58	-94.06	115.16	-225.98	50.53	-161.35	-133.68

		8	7.90	39.95	-219.12	-0.52	-178.65	-94.06	0.04	-205.17	-33.67	-171.46	-76.04
		569	9.11	27.82	-263.66	-6.59	-229.24	-94.06	-25.24	-251.12	-41.31	-235.06	-58.05
486	13	568	2.91	-46.30	-50.66	-46.90	-50.05	1.51	-13.86	-413.88	-345.48	-82.26	-150.61
		7	2.87	-45.99	-49.71	-46.77	-48.93	1.51	-46.59	-407.75	-348.33	-106.01	-133.90
		8	2.52	-38.29	-48.18	-38.53	-47.94	1.51	-5.37	-361.37	-270.11	-96.62	-155.43
		569	2.57	-38.45	-49.28	-38.66	-49.06	1.51	27.62	-367.75	-267.26	-72.87	-172.14
486	15	568	2.91	-46.30	-50.66	-46.90	-50.05	1.51	-13.86	-413.88	-345.48	-82.26	-150.61
		7	2.87	-45.99	-49.71	-46.77	-48.93	1.51	-46.59	-407.75	-348.33	-106.01	-133.90
		8	2.52	-38.29	-48.18	-38.53	-47.94	1.51	-5.37	-361.37	-270.11	-96.62	-155.43
		569	2.57	-38.45	-49.28	-38.66	-49.06	1.51	27.62	-367.75	-267.26	-72.87	-172.14
487	4	569	3.56	34.37	-54.64	34.24	-54.51	3.43	273.56	-58.94	256.28	-41.67	73.80
		8	3.60	34.39	-54.52	34.26	-54.39	3.43	267.40	-71.53	254.28	-58.40	65.40
		9	3.49	37.28	-54.17	37.15	-54.04	3.43	223.74	-71.91	214.95	-63.12	50.23
		571	3.45	37.26	-54.29	37.13	-54.16	3.43	229.42	-58.85	216.96	-46.38	58.63
487	11	569	6.84	31.28	-208.33	-0.30	-176.75	-81.05	-5.02	-84.84	-21.32	-68.54	-32.18
		8	6.13	39.49	-179.67	3.65	-143.84	-81.05	-6.69e-03	-74.92	-19.72	-55.20	-32.99
		9	6.09	43.26	-178.52	8.05	-143.31	-81.05	-13.22	-65.95	-23.51	-55.65	-20.90
		571	6.81	35.18	-207.30	4.10	-176.22	-81.05	-17.30	-76.80	-25.11	-68.99	-20.09
487	13	569	2.55	-37.67	-42.98	-37.90	-42.75	1.09	75.63	-361.56	-261.46	-24.48	-183.70
		8	2.47	-37.70	-43.16	-37.93	-42.93	1.09	59.93	-348.96	-261.79	-27.24	-167.46
		9	2.08	-28.27	-41.87	-28.36	-41.79	1.09	87.56	-291.48	-185.80	-18.12	-169.97
		571	2.17	-28.25	-41.69	-28.34	-41.60	1.09	104.30	-305.12	-185.46	-15.36	-186.20
487	15	569	2.55	-37.67	-42.98	-37.90	-42.75	1.09	75.63	-361.56	-261.46	-24.48	-183.70
		8	2.47	-37.70	-43.16	-37.93	-42.93	1.09	59.93	-348.96	-261.79	-27.24	-167.46
		9	2.08	-28.27	-41.87	-28.36	-41.79	1.09	87.56	-291.48	-185.80	-18.12	-169.97
		571	2.17	-28.25	-41.69	-28.34	-41.60	1.09	104.30	-305.12	-185.46	-15.36	-186.20
488	4	571	3.05	38.55	-44.20	38.35	-44.01	4.01	232.79	-2.55	223.35	6.89	46.18
		9	3.10	38.31	-46.12	38.12	-45.93	4.01	230.18	-7.16	222.58	0.45	41.80
		10	3.03	38.98	-46.04	38.79	-45.85	4.01	208.26	-8.16	202.11	-2.01	35.96
		573	2.98	39.22	-44.12	39.02	-43.93	4.01	210.77	-3.45	202.88	4.44	40.34
488	12	571	5.93	73.32	-96.74	-26.15	2.73	83.80	683.47	97.55	680.82	100.20	-39.29
		9	5.90	60.45	-107.47	-28.68	-18.34	83.80	685.95	104.54	681.84	108.66	-48.74
		10	5.56	65.96	-101.64	-18.55	-17.13	83.80	640.75	100.21	637.62	103.35	-41.07
		573	5.58	78.35	-90.43	-16.02	3.95	83.80	638.44	93.05	636.60	94.89	-31.62
488	13	571	2.11	-27.67	-36.46	-27.72	-36.41	0.65	117.43	-293.56	-182.82	6.69	-182.34
		9	2.02	-27.79	-37.42	-27.83	-37.37	0.65	111.94	-277.75	-181.71	15.90	-167.93
		10	1.81	-18.27	-36.25	-18.29	-36.23	0.65	128.79	-219.04	-114.25	24.00	-159.59
		573	1.87	-18.15	-35.29	-18.18	-35.26	0.65	135.48	-236.05	-115.35	14.79	-174.00
488	15	571	2.11	-27.67	-36.46	-27.72	-36.41	0.65	117.43	-293.56	-182.82	6.69	-182.34
		9	2.02	-27.79	-37.42	-27.83	-37.37	0.65	111.94	-277.75	-181.71	15.90	-167.93
		10	1.81	-18.27	-36.25	-18.29	-36.23	0.65	128.79	-219.04	-114.25	24.00	-159.59
		573	1.87	-18.15	-35.29	-18.18	-35.26	0.65	135.48	-236.05	-115.35	14.79	-174.00
489	4	573	2.69	40.22	-35.47	40.06	-35.31	3.49	217.11	35.91	207.78	45.24	40.05
		10	2.71	39.90	-38.06	39.75	-37.90	3.49	216.97	44.24	208.65	52.56	36.98
		11	2.62	38.30	-38.25	38.14	-38.09	3.49	206.50	38.62	194.29	50.83	43.61
		575	2.61	38.62	-35.67	38.45	-35.50	3.49	206.75	30.17	193.41	43.52	46.68
489	12	573	4.86	55.99	-81.87	-17.50	-8.37	68.78	639.20	110.89	638.59	111.50	-17.95
		10	4.90	47.45	-90.17	-19.31	-23.41	68.78	642.62	126.40	640.62	128.40	-32.04
		11	4.41	54.67	-83.69	-7.07	-21.95	68.78	575.25	119.87	574.64	120.48	-16.72
		575	4.35	62.70	-74.87	-5.27	-6.91	68.78	572.62	103.57	572.61	103.58	-2.63
489	13	573	1.74	-17.64	-30.87	-17.65	-30.87	0.29	136.42	-216.31	-113.14	33.24	-160.46
		10	1.74	-17.81	-32.25	-17.82	-32.24	0.29	139.42	-198.97	-110.96	51.41	-148.45
		11	1.63	-9.38	-31.23	-9.39	-31.23	0.29	145.27	-141.81	-54.71	58.16	-131.98
		575	1.63	-9.22	-29.86	-9.22	-29.86	0.29	143.48	-160.37	-56.89	39.99	-144.00
489	15	573	1.74	-17.64	-30.87	-17.65	-30.87	0.29	136.42	-216.31	-113.14	33.24	-160.46
		10	1.74	-17.81	-32.25	-17.82	-32.24	0.29	139.42	-198.97	-110.96	51.41	-148.45
		11	1.63	-9.38	-31.23	-9.39	-31.23	0.29	145.27	-141.81	-54.71	58.16	-131.98
		575	1.63	-9.22	-29.86	-9.22	-29.86	0.29	143.48	-160.37	-56.89	39.99	-144.00
490	4	575	2.42	39.46	-28.31	39.33	-28.18	2.93	221.30	53.24	197.44	77.11	58.66
		11	2.40	39.16	-30.72	39.04	-30.60	2.93	222.46	71.62	199.53	94.55	54.15
		12	2.24	34.59	-31.28	34.46	-31.15	2.93	217.45	53.00	178.44	92.01	69.96
		2	2.26	34.88	-28.87	34.75	-28.73	2.93	215.65	35.27	176.34	74.57	74.46
490	5	575	4.46	39.86	-23.05	7.12	9.69	-31.43	100.07	-626.67	-526.88	0.27	-250.13
		11	4.30	41.71	-21.37	7.50	12.84	-31.43	101.84	-598.61	-523.68	26.91	-216.49
		12	3.69	43.44	-19.47	10.74	13.23	-31.43	121.65	-442.02	-366.18	45.81	-192.35
		2	3.88	41.65	-21.21	10.36	10.08	-31.43	122.92	-473.11	-369.37	19.18	-225.99
490	13	575	1.49	-8.73	-25.81	-8.73	-25.80	0.36	139.47	-132.15	-54.29	61.62	-122.82
		11	1.55	-8.90	-27.27	-8.91	-27.27	0.36	150.88	-116.06	-51.35	86.16	-114.40
		12	1.43	-3.01	-26.56	-3.01	-26.56	0.36	145.01	-66.03	-11.92	90.90	-92.15
		2	1.35	-2.83	-25.10	-2.84	-25.09	0.36	134.20	-82.72	-14.87	66.35	-100.57
490	15	575	1.49	-8.73	-25.81	-8.73	-25.80	0.36	139.47	-132.15	-54.29	61.62	-122.82
		11	1.55	-8.90	-27.27	-8.91	-27.27	0.36	150.88	-116.06	-51.35	86.16	-114.40
		12	1.43	-3.01	-26.56	-3.01	-26.56	0.36	145.01	-66.03	-11.92	90.90	-92.15
		2	1.35	-2.83	-25.10	-2.84	-25.09	0.36	134.20	-82.72	-14.87	66.35	-100.57
491	1	306	13.50	-55.09	-133.32	-56.58	-131.83	10.67	2183.71	118.77	119.45	2183.03	37.33
		307	15.29	-57.19	-148.72	-58.46	-147.46	10.67	2476.04	154.41	154.59	2475.87	-20.34
		13	16.09	-22.23	-144.17	-23.18	-143.23	10.67	2466.73	-138.67	-115.41	2443.47	245.09

		3	14.39	-20.24	-128.66	-21.30	-127.60	10.67	2189.80	-189.71	-150.55	2150.63	302.76
491	11	306	40.75	-120.91	-572.06	-206.10	-486.86	-176.57	5320.01	-46.32	571.67	4702.02	1713.02
		307	34.95	-91.89	-497.40	-194.99	-394.29	-176.57	4362.96	-333.30	438.38	3591.28	1740.27
		13	31.21	110.44	-431.01	44.93	-365.50	-176.57	3774.28	398.29	565.99	3606.59	733.49
		3	38.00	90.64	-514.89	33.82	-458.07	-176.57	4837.85	578.76	699.27	4717.33	706.24
491	13	306	10.38	-42.38	-102.55	-43.52	-101.41	8.21	1679.78	91.36	91.88	1679.26	28.72
		307	11.76	-43.99	-114.40	-44.97	-113.43	8.21	1904.65	118.78	118.91	1904.51	-15.64
		13	12.37	-17.10	-110.90	-17.83	-110.17	8.21	1897.48	-106.67	-88.77	1879.59	188.53
		3	11.07	-15.57	-98.97	-16.38	-98.15	8.21	1684.46	-145.93	-115.81	1654.33	232.89
491	15	306	10.38	-42.38	-102.55	-43.52	-101.41	8.21	1679.78	91.36	91.88	1679.26	28.72
		307	11.76	-43.99	-114.40	-44.97	-113.43	8.21	1904.65	118.78	118.91	1904.51	-15.64
		13	12.37	-17.10	-110.90	-17.83	-110.17	8.21	1897.48	-106.67	-88.77	1879.59	188.53
		3	11.07	-15.57	-98.97	-16.38	-98.15	8.21	1684.46	-145.93	-115.81	1654.33	232.89
492	2	3	8.45	35.22	-110.29	34.15	-109.22	12.43	1151.07	345.92	367.87	1129.12	-131.09
		13	8.92	33.30	-125.48	32.32	-124.50	12.43	1168.15	359.62	371.17	1156.61	-95.93
		14	8.71	38.05	-124.88	37.10	-123.93	12.43	1184.14	528.01	535.79	1176.36	-71.02
		4	8.23	39.97	-109.69	38.93	-108.65	12.43	1166.66	514.71	532.49	1148.88	-106.18
492	7	3	24.33	-15.99	-467.68	-17.39	-466.27	25.14	2283.19	-91.13	-68.72	2260.77	229.59
		13	24.06	-18.61	-489.05	-19.96	-487.70	25.14	2097.43	-109.06	-90.54	2078.91	201.28
		14	25.41	69.25	-478.30	68.09	-477.14	25.14	2063.59	-223.65	-223.07	2063.01	36.44
		4	25.66	71.86	-456.90	70.67	-455.71	25.14	2246.58	-202.96	-201.25	2244.87	64.75
492	14	3	5.58	18.25	-85.15	17.25	-84.15	10.13	664.90	149.69	150.02	664.57	-13.07
		13	5.92	16.84	-96.07	15.92	-95.15	10.13	675.80	151.25	151.36	675.70	-7.31
		14	5.86	16.72	-96.09	15.81	-95.17	10.13	678.95	178.31	178.32	678.94	2.78
		4	5.52	18.13	-85.17	17.13	-84.17	10.13	667.82	176.97	176.99	667.81	-2.98
492	16	3	5.23	14.77	-85.29	13.69	-84.20	10.35	585.16	96.70	97.64	584.21	21.50
		13	5.56	13.39	-95.90	12.40	-94.91	10.35	592.12	97.79	98.51	591.40	18.88
		14	5.56	11.80	-96.11	10.79	-95.10	10.35	591.20	84.94	86.21	589.92	25.39
		4	5.24	13.18	-85.50	12.08	-84.40	10.35	584.31	83.78	85.35	582.74	28.02
493	1	4	6.44	-32.14	-94.45	-34.43	-92.16	11.73	-475.05	-1100.04	-907.00	-668.10	288.77
		14	6.59	-32.78	-98.58	-34.94	-96.42	11.73	-600.83	-1088.83	-919.27	-770.39	232.37
		15	7.37	-56.16	-102.53	-59.34	-99.34	11.73	-756.39	-1228.99	-1183.30	-802.08	139.65
		5	7.23	-55.37	-98.55	-58.83	-95.09	11.73	-628.89	-1241.92	-1171.03	-699.79	196.05
493	7	4	21.19	85.57	-353.66	83.20	-351.29	32.18	1833.81	-261.04	-251.69	1824.47	-139.63
		14	20.99	82.89	-375.03	80.62	-372.75	32.18	1664.91	-279.49	-271.77	1657.19	-122.29
		15	20.77	66.29	-377.10	63.94	-374.76	32.18	1706.48	-230.13	-190.58	1666.93	-273.91
		5	20.98	68.97	-355.74	66.52	-353.29	32.18	1875.67	-211.96	-170.50	1834.21	-291.25
493	13	4	4.95	-24.72	-72.65	-26.48	-70.89	9.02	-365.43	-846.19	-697.69	-513.92	222.13
		14	5.07	-25.21	-75.83	-26.88	-74.17	9.02	-462.18	-837.56	-707.13	-592.61	178.75
		15	5.67	-43.20	-78.87	-45.65	-76.42	9.02	-581.84	-945.37	-910.23	-616.98	107.43
		5	5.56	-42.59	-75.81	-45.25	-73.14	9.02	-483.76	-955.32	-900.79	-538.30	150.81
493	15	4	4.95	-24.72	-72.65	-26.48	-70.89	9.02	-365.43	-846.19	-697.69	-513.92	222.13
		14	5.07	-25.21	-75.83	-26.88	-74.17	9.02	-462.18	-837.56	-707.13	-592.61	178.75
		15	5.67	-43.20	-78.87	-45.65	-76.42	9.02	-581.84	-945.37	-910.23	-616.98	107.43
		5	5.56	-42.59	-75.81	-45.25	-73.14	9.02	-483.76	-955.32	-900.79	-538.30	150.81
494	1	5	6.63	-55.81	-81.54	-57.06	-80.30	5.52	-602.09	-1175.58	-1161.05	-616.62	90.13
		15	6.75	-55.77	-81.28	-57.02	-80.02	5.52	-683.05	-1183.79	-1170.60	-696.24	80.19
		16	7.06	-64.86	-83.05	-66.73	-81.19	5.52	-701.69	-1217.25	-1217.12	-701.82	8.03
		6	6.94	-64.92	-83.31	-66.76	-81.46	5.52	-621.65	-1208.12	-1207.57	-622.20	17.96
494	7	5	15.83	76.43	-276.70	75.79	-276.06	15.08	1207.59	-361.10	-258.06	1104.55	-388.61
		15	15.88	75.55	-283.94	74.92	-283.31	15.08	1178.45	-330.50	-257.91	1105.86	-322.90
		16	14.62	33.61	-289.06	32.91	-288.35	15.08	1230.43	-37.95	49.71	1142.78	-321.72
		6	14.57	34.50	-281.82	33.78	-281.10	15.08	1264.96	-73.94	49.56	1141.47	-387.42
494	13	5	5.10	-42.93	-62.73	-43.89	-61.77	4.25	-463.14	-904.29	-893.11	-474.32	69.33
		15	5.20	-42.90	-62.52	-43.86	-61.56	4.25	-525.42	-910.61	-900.46	-535.57	61.69
		16	5.43	-49.89	-63.89	-51.33	-62.45	4.25	-539.76	-936.34	-936.25	-539.86	6.18
		6	5.34	-49.94	-64.08	-51.36	-62.66	4.25	-478.19	-929.32	-928.90	-478.62	13.82
494	15	5	5.10	-42.93	-62.73	-43.89	-61.77	4.25	-463.14	-904.29	-893.11	-474.32	69.33
		15	5.20	-42.90	-62.52	-43.86	-61.56	4.25	-525.42	-910.61	-900.46	-535.57	61.69
		16	5.43	-49.89	-63.89	-51.33	-62.45	4.25	-539.76	-936.34	-936.25	-539.86	6.18
		6	5.34	-49.94	-64.08	-51.36	-62.66	4.25	-478.19	-929.32	-928.90	-478.62	13.82
495	1	6	6.64	-65.04	-72.17	-65.58	-71.63	1.90	-392.15	-1184.60	-1180.46	-396.29	-57.13
		16	6.66	-64.70	-70.67	-65.38	-69.99	1.90	-445.51	-1188.21	-1186.56	-447.16	-34.98
		17	6.17	-60.93	-69.92	-61.35	-69.50	1.90	-424.73	-1092.88	-1082.88	-434.72	-81.10
		7	6.15	-61.19	-71.51	-61.55	-71.14	1.90	-368.79	-1091.83	-1076.78	-383.85	-103.24
495	11	6	11.61	33.04	-261.43	-17.69	-210.70	-111.19	468.18	-465.27	198.79	-195.88	-422.96
		16	10.42	49.41	-215.60	-11.02	-155.17	-111.19	544.24	-350.80	219.20	-25.77	-430.43
		17	9.23	47.08	-216.55	-13.94	-155.52	-111.19	373.39	-219.15	184.21	-29.97	-276.24
		7	10.55	30.56	-262.23	-20.61	-211.05	-111.19	306.41	-342.70	163.80	-200.08	-268.76
495	13	6	5.11	-50.03	-55.52	-50.45	-55.10	1.46	-301.65	-911.23	-908.04	-304.84	-43.95
		16	5.13	-49.77	-54.36	-50.30	-53.84	1.46	-342.70	-914.01	-912.74	-343.97	-26.91
		17	4.74	-46.87	-53.79	-47.19	-53.46	1.46	-326.71	-840.67	-832.99	-334.40	-62.38
		7	4.73	-47.07	-55.00	-47.35	-54.73	1.46	-283.68	-839.87	-828.29	-295.27	-79.42
495	15	6	5.11	-50.03	-55.52	-50.45	-55.10	1.46	-301.65	-911.23	-908.04	-304.84	-43.95
		16	5.13	-49.77	-54.36	-50.30	-53.84	1.46	-342.70	-914.01	-912.74	-343.97	-26.91
		17	4.74	-46.87	-53.79	-47.19	-53.46	1.46	-326.71	-840.67	-832.99	-334.40	-62.38
		7	4.73	-47.07	-55.00	-47.35	-54.73	1.46	-283.68	-839.87	-828.29	-295.27	-79.42

496	1	7	6.13	-60.43	-63.80	-60.64	-63.59	0.81	-185.59	-1080.53	-1055.94	-210.19	-146.31
		17	6.07	-60.24	-62.87	-60.52	-62.59	0.81	-220.89	-1072.26	-1058.83	-234.32	-106.08
		18	5.04	-49.83	-61.37	-49.89	-61.31	0.81	-187.74	-894.47	-870.49	-211.72	-127.95
		8	5.11	-49.96	-62.37	-50.01	-62.32	0.81	-148.26	-906.91	-867.59	-187.58	-168.18
496	11	7	9.04	37.47	-235.05	-16.96	-180.62	-108.95	233.76	-210.60	170.17	-147.00	-155.61
		17	8.06	52.83	-196.59	-11.19	-132.57	-108.95	260.31	-141.48	180.41	-61.59	-160.37
		18	7.53	57.23	-194.65	-5.53	-131.89	-108.95	185.69	-91.79	158.16	-64.26	-82.95
		8	8.58	42.15	-233.39	-11.29	-179.94	-108.95	167.20	-168.97	147.91	-149.67	-78.20
496	13	7	4.71	-46.49	-49.08	-46.65	-48.92	0.63	-142.76	-831.18	-812.26	-161.68	-112.54
		17	4.67	-46.34	-48.36	-46.56	-48.14	0.63	-169.92	-824.82	-814.49	-180.25	-81.60
		18	3.87	-38.33	-47.21	-38.38	-47.16	0.63	-144.42	-688.05	-669.61	-162.86	-98.42
		8	3.93	-38.43	-47.98	-38.47	-47.94	0.63	-114.05	-697.63	-667.38	-144.30	-129.37
496	15	7	4.71	-46.49	-49.08	-46.65	-48.92	0.63	-142.76	-831.18	-812.26	-161.68	-112.54
		17	4.67	-46.34	-48.36	-46.56	-48.14	0.63	-169.92	-824.82	-814.49	-180.25	-81.60
		18	3.87	-38.33	-47.21	-38.38	-47.16	0.63	-144.42	-688.05	-669.61	-162.86	-98.42
		8	3.93	-38.43	-47.98	-38.47	-47.94	0.63	-114.05	-697.63	-667.38	-144.30	-129.37
497	4	8	5.16	33.11	-54.56	33.08	-54.53	1.53	655.70	-14.78	651.63	-10.72	52.03
		18	5.18	33.15	-54.20	33.12	-54.17	1.53	652.74	-23.30	650.40	-20.97	39.69
		19	5.02	37.07	-53.72	37.04	-53.70	1.53	594.13	-29.38	592.64	-27.90	30.40
		9	5.00	37.02	-54.09	37.00	-54.06	1.53	596.84	-20.62	593.87	-17.65	42.74
497	11	8	6.86	42.37	-194.62	-7.11	-145.13	-96.33	167.99	-39.54	161.86	-33.41	-35.15
		18	6.18	53.85	-166.47	-2.87	-109.76	-96.33	169.49	-15.27	164.62	-10.40	-29.59
		19	6.13	58.25	-164.53	2.79	-109.08	-96.33	191.00	-7.67	190.62	-7.28	-8.74
		9	6.83	47.01	-192.91	-1.45	-144.45	-96.33	188.79	-31.22	187.86	-30.29	-14.29
497	13	8	3.95	-37.83	-42.96	-37.87	-42.93	0.44	-42.48	-691.48	-659.05	-74.91	-141.40
		18	3.87	-37.83	-42.96	-37.87	-42.92	0.44	-59.41	-678.10	-659.43	-78.08	-105.83
		19	2.93	-28.13	-41.77	-28.14	-41.75	0.44	-32.43	-518.56	-492.90	-58.09	-108.70
		9	3.04	-28.13	-41.77	-28.14	-41.76	0.44	-11.64	-535.80	-492.52	-54.93	-144.27
497	15	8	3.95	-37.83	-42.96	-37.87	-42.93	0.44	-42.48	-691.48	-659.05	-74.91	-141.40
		18	3.87	-37.83	-42.96	-37.87	-42.92	0.44	-59.41	-678.10	-659.43	-78.08	-105.83
		19	2.93	-28.13	-41.77	-28.14	-41.75	0.44	-32.43	-518.56	-492.90	-58.09	-108.70
		9	3.04	-28.13	-41.77	-28.14	-41.76	0.44	-11.64	-535.80	-492.52	-54.93	-144.27
498	4	9	4.69	38.03	-46.00	37.97	-45.94	2.15	603.61	43.81	601.50	45.92	34.32
		19	4.71	37.91	-46.93	37.86	-46.88	2.15	602.29	40.98	601.05	42.21	26.26
		20	4.57	39.18	-46.78	39.13	-46.73	2.15	564.32	36.69	563.33	37.69	22.90
		10	4.55	39.29	-45.85	39.24	-45.79	2.15	565.60	39.57	563.77	41.39	30.96
498	5	9	6.20	48.69	-28.38	-3.87	24.18	-35.89	-194.47	-1142.38	-1119.65	-217.20	-145.01
		19	6.06	53.43	-25.88	-3.09	30.64	-35.89	-224.54	-1133.75	-1121.95	-236.34	-102.91
		20	5.19	55.76	-21.44	2.94	31.37	-35.89	-192.93	-944.61	-924.85	-212.69	-120.27
		10	5.37	51.19	-24.11	2.17	24.91	-35.89	-159.02	-957.08	-922.56	-193.55	-162.36
498	13	9	3.03	-27.61	-37.35	-27.61	-37.35	0.27	18.96	-528.31	-488.44	-20.91	-142.24
		19	2.93	-27.67	-37.87	-27.68	-37.87	0.27	8.79	-511.14	-487.69	-14.67	-107.91
		20	2.06	-18.09	-36.72	-18.09	-36.72	0.27	33.62	-355.96	-326.96	4.62	-102.25
		10	2.18	-18.03	-36.20	-18.03	-36.20	0.27	48.03	-377.36	-327.71	-1.62	-136.58
498	15	9	3.03	-27.61	-37.35	-27.61	-37.35	0.27	18.96	-528.31	-488.44	-20.91	-142.24
		19	2.93	-27.67	-37.87	-27.68	-37.87	0.27	8.79	-511.14	-487.69	-14.67	-107.91
		20	2.06	-18.09	-36.72	-18.09	-36.72	0.27	33.62	-355.96	-326.96	4.62	-102.25
		10	2.18	-18.03	-36.20	-18.03	-36.20	0.27	48.03	-377.36	-327.71	-1.62	-136.58
499	4	10	4.30	40.25	-37.90	40.19	-37.85	2.05	572.46	93.81	570.32	95.96	31.97
		20	4.30	40.07	-39.33	40.02	-39.27	2.05	572.21	100.53	571.01	101.73	23.76
		21	4.09	38.48	-39.52	38.43	-39.46	2.05	534.47	95.19	532.54	97.12	28.99
		11	4.09	38.65	-38.09	38.60	-38.04	2.05	534.97	88.22	531.85	91.34	37.21
499	5	10	5.27	42.24	-21.98	1.44	18.82	-30.91	-139.92	-961.06	-920.94	-180.04	-177.02
		20	5.07	45.38	-20.04	1.98	23.36	-30.91	-162.95	-942.85	-921.45	-184.34	-127.39
		21	4.11	47.34	-16.87	6.57	23.91	-30.91	-125.86	-719.69	-689.09	-156.46	-131.28
		11	4.37	44.32	-18.93	6.03	19.37	-30.91	-96.85	-743.89	-688.57	-152.16	-180.92
499	14	10	1.97	17.12	-35.62	17.09	-35.59	1.28	218.79	61.53	212.42	67.89	-30.99
		20	1.96	16.98	-36.79	16.95	-36.76	1.28	217.60	72.39	213.46	76.53	-24.18
		21	2.15	19.33	-36.50	19.30	-36.47	1.28	246.98	78.76	245.37	80.36	-16.35
		11	2.16	19.47	-35.34	19.44	-35.31	1.28	247.39	68.67	244.34	71.72	-23.16
499	15	10	2.14	-17.55	-32.21	-17.55	-32.21	0.13	66.09	-364.72	-324.42	25.80	-125.44
		20	2.08	-17.64	-32.98	-17.65	-32.98	0.13	62.68	-346.81	-322.87	38.73	-96.08
		21	1.76	-9.38	-31.99	-9.38	-31.99	0.13	81.86	-212.00	-185.38	55.23	-84.35
		11	1.81	-9.29	-31.22	-9.29	-31.22	0.13	89.13	-233.77	-186.93	42.29	-113.72
500	4	11	3.90	39.55	-30.59	39.50	-30.54	1.83	542.69	129.46	537.10	135.05	47.75
		21	3.88	39.38	-31.95	39.34	-31.91	1.83	541.67	144.27	538.57	147.36	34.94
		22	3.49	34.60	-32.53	34.55	-32.48	1.83	484.76	134.00	478.59	140.17	46.10
		12	3.52	34.77	-31.17	34.72	-31.12	1.83	486.78	118.19	477.11	127.86	58.91
500	5	11	4.34	35.27	-17.50	5.21	12.57	-26.13	51.09	-710.82	-669.18	9.45	-173.19
		21	4.18	37.37	-15.88	5.61	15.89	-26.13	50.01	-689.40	-667.00	27.61	-126.72
		22	3.28	38.89	-13.91	8.72	16.26	-26.13	76.82	-472.57	-449.46	53.72	-110.26
		12	3.49	36.86	-15.60	8.33	12.94	-26.13	81.62	-497.71	-451.64	35.56	-156.73
500	14	11	1.96	20.20	-29.26	20.17	-29.23	1.19	249.51	108.47	248.83	109.15	-9.80
		21	1.94	20.06	-30.40	20.04	-30.37	1.19	251.16	122.78	250.54	123.40	-8.87
		22	1.95	19.48	-30.47	19.46	-30.44	1.19	255.02	123.80	254.90	123.92	4.04
		12	1.97	19.62	-29.33	19.59	-29.30	1.19	253.26	109.61	253.19	109.67	3.11
500	15	11	1.76	-8.81	-27.26	-8.82	-27.25	0.22	102.59	-215.87	-183.57	70.30	-96.13

		21	1.76	-8.91	-28.07	-8.91	-28.07	0.22	106.75	-200.81	-181.51	87.45	-74.59
		22	1.53	-3.19	-27.38	-3.19	-27.38	0.22	117.18	-98.26	-80.64	99.56	-59.04
		12	1.52	-3.09	-26.57	-3.09	-26.57	0.22	115.21	-115.51	-82.70	82.40	-80.58
501	1	307	15.26	-62.52	-148.12	-62.68	-147.97	3.65	2474.72	139.85	140.41	2474.16	36.12
		308	15.85	-63.10	-152.84	-63.25	-152.69	3.65	2573.65	152.01	152.31	2573.36	-26.78
		23	16.66	-24.19	-148.12	-24.30	-148.01	3.65	2539.50	-143.69	-142.20	2538.02	63.13
		13	16.10	-23.62	-143.41	-23.73	-143.29	3.65	2444.93	-160.22	-154.11	2438.82	126.03
501	12	307	30.35	121.48	-323.68	-105.31	-96.89	222.54	2378.84	-2143.63	-94.17	329.38	-2251.29
		308	33.71	45.52	-416.57	-123.40	-247.64	222.54	3494.99	-1376.26	107.63	2011.09	-2241.98
		23	23.29	105.47	-381.90	-38.92	-237.51	222.54	2260.51	-92.97	151.22	2016.32	-717.68
		13	17.63	171.17	-278.76	-20.83	-86.75	222.54	894.08	-610.06	-50.58	334.61	-726.99
501	13	307	11.74	-48.10	-113.94	-48.22	-113.82	2.81	1903.63	107.57	108.00	1903.20	27.79
		308	12.19	-48.54	-117.57	-48.65	-117.45	2.81	1979.73	116.93	117.16	1979.51	-20.60
		23	12.82	-18.61	-113.94	-18.69	-113.86	2.81	1953.46	-110.53	-109.39	1952.32	48.56
		13	12.39	-18.17	-110.31	-18.25	-110.23	2.81	1880.72	-123.24	-118.54	1876.02	96.95
501	15	307	11.74	-48.10	-113.94	-48.22	-113.82	2.81	1903.63	107.57	108.00	1903.20	27.79
		308	12.19	-48.54	-117.57	-48.65	-117.45	2.81	1979.73	116.93	117.16	1979.51	-20.60
		23	12.82	-18.61	-113.94	-18.69	-113.86	2.81	1953.46	-110.53	-109.39	1952.32	48.56
		13	12.39	-18.17	-110.31	-18.25	-110.23	2.81	1880.72	-123.24	-118.54	1876.02	96.95
502	2	13	8.69	30.83	-124.82	30.71	-124.70	4.37	1174.29	469.26	474.54	1169.01	-60.79
		23	8.85	30.25	-129.58	30.13	-129.46	4.37	1182.48	475.42	476.08	1181.82	-21.45
		24	8.70	38.63	-128.57	38.52	-128.45	4.37	1204.10	660.09	660.27	1203.93	-9.84
		14	8.54	39.21	-123.81	39.09	-123.69	4.37	1195.62	654.23	658.73	1191.12	-49.18
502	7	13	24.07	-41.77	-492.45	-43.67	-490.55	-29.19	2083.42	-157.95	-146.71	2072.17	158.37
		23	22.86	-39.73	-476.06	-41.69	-474.10	-29.19	1919.19	-175.31	-166.16	1910.05	138.09
		24	24.27	69.15	-462.60	67.54	-460.99	-29.19	1898.69	-261.14	-261.10	1898.66	-8.86
		14	25.45	67.13	-479.01	65.57	-477.44	-29.19	2060.83	-241.70	-241.64	2060.78	11.42
502	14	13	5.80	14.98	-95.40	14.86	-95.28	3.57	682.44	206.75	206.83	682.36	-6.38
		23	5.92	14.56	-98.86	14.45	-98.75	3.57	688.73	207.58	207.59	688.72	-2.19
		24	5.91	17.10	-98.56	16.99	-98.45	3.57	691.10	227.18	227.21	691.07	3.58
		14	5.79	17.52	-95.09	17.41	-94.98	3.57	684.71	226.45	226.45	684.71	-0.61
502	16	13	5.46	11.54	-95.16	11.41	-95.03	3.65	597.12	144.31	144.51	596.92	9.53
		23	5.57	11.13	-98.54	11.00	-98.42	3.65	601.93	145.08	145.11	601.90	3.45
		24	5.63	12.13	-98.42	12.01	-98.30	3.65	598.62	116.51	116.64	598.49	7.97
		14	5.52	12.54	-95.03	12.42	-94.91	3.65	593.92	115.63	116.04	593.50	14.05
503	1	14	6.54	-32.28	-96.41	-32.56	-96.13	4.23	-734.46	-1124.89	-1070.78	-788.57	134.90
		24	6.58	-32.48	-98.07	-32.76	-97.80	4.23	-812.98	-1087.12	-1075.15	-824.95	56.02
		25	8.05	-56.69	-101.13	-57.09	-100.72	4.23	-868.35	-1445.40	-1444.47	-869.27	23.04
		15	8.02	-56.47	-99.47	-56.89	-99.05	4.23	-816.24	-1456.76	-1440.11	-832.89	101.93
503	7	14	20.84	78.62	-373.58	78.10	-373.06	-15.42	1666.05	-301.43	-290.34	1654.96	-147.31
		24	20.29	79.55	-365.93	79.02	-365.39	-15.42	1587.48	-308.91	-299.56	1578.13	-132.81
		25	20.04	72.28	-366.81	71.74	-366.27	-15.42	1608.55	-253.96	-231.69	1586.28	-202.45
		15	20.59	71.35	-374.46	70.82	-373.93	-15.42	1687.74	-247.11	-222.47	1663.10	-216.95
503	13	14	5.03	-24.83	-74.16	-25.04	-73.95	3.26	-564.97	-865.30	-823.68	-606.59	103.77
		24	5.06	-24.99	-75.44	-25.20	-75.23	3.26	-625.37	-836.24	-827.04	-634.58	43.09
		25	6.19	-43.60	-77.79	-43.92	-77.48	3.26	-667.96	-1111.84	-1111.13	-668.67	17.73
		15	6.17	-43.44	-76.52	-43.76	-76.19	3.26	-627.88	-1120.59	-1107.78	-640.69	78.41
503	15	14	5.03	-24.83	-74.16	-25.04	-73.95	3.26	-564.97	-865.30	-823.68	-606.59	103.77
		24	5.06	-24.99	-75.44	-25.20	-75.23	3.26	-625.37	-836.24	-827.04	-634.58	43.09
		25	6.19	-43.60	-77.79	-43.92	-77.48	3.26	-667.96	-1111.84	-1111.13	-668.67	17.73
		15	6.17	-43.44	-76.52	-43.76	-76.19	3.26	-627.88	-1120.59	-1107.78	-640.69	78.41
504	1	15	7.58	-54.42	-79.89	-54.57	-79.73	2.00	-724.49	-1429.97	-1427.41	-727.05	42.47
		25	7.62	-54.43	-80.02	-54.59	-79.86	2.00	-755.40	-1431.69	-1430.90	-756.18	23.04
		26	8.20	-65.42	-81.44	-65.67	-81.19	2.00	-767.08	-1521.85	-1521.84	-767.09	-3.36
		16	8.17	-65.40	-81.31	-65.65	-81.06	2.00	-737.63	-1518.67	-1518.34	-737.96	16.06
504	8	15	15.19	91.81	-256.41	83.26	-247.86	53.88	1162.66	-306.99	-302.42	1158.09	81.84
		25	15.60	88.14	-282.04	80.12	-274.03	53.88	1130.51	-323.12	-307.59	1114.98	149.45
		26	14.30	48.88	-287.70	40.02	-278.84	53.88	1163.51	-1.64	8.91	1152.96	110.37
		16	13.89	52.67	-262.18	43.16	-252.67	53.88	1197.62	12.54	14.09	1196.07	42.77
504	13	15	5.83	-41.86	-61.45	-41.98	-61.33	1.54	-557.30	-1099.98	-1098.01	-559.27	32.67
		25	5.86	-41.87	-61.55	-41.99	-61.43	1.54	-581.07	-1101.30	-1100.70	-581.68	17.73
		26	6.31	-50.32	-62.65	-50.52	-62.45	1.54	-590.06	-1170.65	-1170.64	-590.07	-2.59
		16	6.28	-50.31	-62.55	-50.50	-62.35	1.54	-567.41	-1168.21	-1167.95	-567.66	12.35
504	15	15	5.83	-41.86	-61.45	-41.98	-61.33	1.54	-557.30	-1099.98	-1098.01	-559.27	32.67
		25	5.86	-41.87	-61.55	-41.99	-61.43	1.54	-581.07	-1101.30	-1100.70	-581.68	17.73
		26	6.31	-50.32	-62.65	-50.52	-62.45	1.54	-590.06	-1170.65	-1170.64	-590.07	-2.59
		16	6.28	-50.31	-62.55	-50.50	-62.35	1.54	-567.41	-1168.21	-1167.95	-567.66	12.35
505	1	16	7.91	-64.24	-69.93	-64.31	-69.86	0.64	-482.59	-1488.50	-1487.78	-483.31	-26.95
		26	7.91	-64.18	-69.47	-64.26	-69.40	0.64	-501.79	-1490.01	-1490.00	-501.80	-3.36
		27	7.37	-61.11	-69.08	-61.16	-69.02	0.64	-488.10	-1380.01	-1379.56	-488.55	-20.12
		17	7.36	-61.17	-69.54	-61.22	-69.49	0.64	-467.95	-1379.44	-1377.34	-470.06	-43.71
505	8	16	9.58	60.01	-199.31	50.68	-189.99	48.29	588.83	-59.05	-58.81	588.59	12.48
		26	9.85	56.99	-218.87	48.27	-210.14	48.29	569.30	-71.76	-62.27	559.80	77.44
		27	8.89	23.19	-224.14	13.38	-214.32	48.29	603.58	234.57	241.86	596.30	51.35
		17	8.63	26.37	-204.75	15.79	-194.17	48.29	625.57	244.83	245.32	625.09	-13.61
505	13	16	6.08	-49.41	-53.79	-49.47	-53.74	0.49	-371.22	-1145.00	-1144.45	-371.78	-20.73
		26	6.09	-49.37	-53.44	-49.43	-53.38	0.49	-385.99	-1146.16	-1146.15	-386.00	-2.59

		27	5.67	-47.01	-53.14	-47.05	-53.10	0.49	-375.46	-1061.55	-1061.20	-375.81	-15.48
		17	5.67	-47.05	-53.49	-47.09	-53.45	0.49	-359.97	-1061.11	-1059.49	-361.58	-33.63
505	15	16	6.08	-49.41	-53.79	-49.47	-53.74	0.49	-371.22	-1145.00	-1144.45	-371.78	-20.73
		26	6.09	-49.37	-53.44	-49.43	-53.38	0.49	-385.99	-1146.16	-1146.15	-386.00	-2.59
		27	5.67	-47.01	-53.14	-47.05	-53.10	0.49	-375.46	-1061.55	-1061.20	-375.81	-15.48
		17	5.67	-47.05	-53.49	-47.09	-53.45	0.49	-359.97	-1061.11	-1059.49	-361.58	-33.63
506	1	17	7.34	-60.36	-62.59	-60.39	-62.57	0.22	-265.32	-1357.63	-1353.29	-269.66	-68.69
		27	7.31	-60.32	-62.25	-60.34	-62.22	0.22	-278.28	-1354.75	-1354.37	-278.66	-20.12
		28	6.04	-49.85	-60.97	-49.85	-60.96	0.22	-250.46	-1127.89	-1126.98	-251.37	-28.29
		18	6.07	-49.89	-61.32	-49.89	-61.31	0.22	-235.73	-1132.54	-1125.90	-242.37	-76.85
506	11	17	8.48	55.55	-206.82	-17.89	-133.38	-117.79	329.46	-119.35	261.92	-51.81	-160.48
		27	7.67	73.94	-173.18	-12.31	-86.93	-117.79	346.30	-33.50	272.92	39.88	-149.95
		28	7.10	75.07	-172.48	-10.68	-86.73	-117.79	337.52	30.48	322.20	45.79	-66.85
		18	7.98	56.78	-206.22	-16.26	-133.18	-117.79	327.24	-61.94	311.19	-45.89	-77.37
506	13	17	5.64	-46.43	-48.15	-46.45	-48.13	0.17	-204.09	-1044.33	-1040.99	-207.43	-52.84
		27	5.63	-46.40	-47.88	-46.42	-47.86	0.17	-214.06	-1042.11	-1041.82	-214.35	-15.48
		28	4.65	-38.35	-46.90	-38.35	-46.90	0.17	-192.66	-867.61	-866.91	-193.36	-21.76
		18	4.67	-38.38	-47.17	-38.38	-47.16	0.17	-181.33	-871.18	-866.08	-186.44	-59.12
506	15	17	5.64	-46.43	-48.15	-46.45	-48.13	0.17	-204.09	-1044.33	-1040.99	-207.43	-52.84
		27	5.63	-46.40	-47.88	-46.42	-47.86	0.17	-214.06	-1042.11	-1041.82	-214.35	-15.48
		28	4.65	-38.35	-46.90	-38.35	-46.90	0.17	-192.66	-867.61	-866.91	-193.36	-21.76
		18	4.67	-38.38	-47.17	-38.38	-47.16	0.17	-181.33	-871.18	-866.08	-186.44	-59.12
507	1	18	6.10	-49.23	-55.80	-49.23	-55.80	0.14	-124.58	-1120.24	-1112.68	-132.15	-86.48
		28	6.06	-49.23	-55.77	-49.23	-55.77	0.14	-133.07	-1113.70	-1112.88	-133.88	-28.29
		29	4.51	-36.47	-54.24	-36.48	-54.24	0.14	-99.98	-841.61	-840.41	-101.19	-29.86
		19	4.56	-36.48	-54.27	-36.48	-54.27	0.14	-89.13	-850.52	-840.20	-99.45	-88.06
507	5	18	7.43	55.10	-36.44	-18.78	37.43	-36.13	-338.31	-1402.00	-1400.56	-339.74	-39.08
		28	7.45	64.32	-33.42	-17.46	48.36	-36.13	-347.38	-1401.58	-1401.49	-347.47	-9.80
		29	6.51	67.99	-22.35	-4.29	49.94	-36.13	-330.72	-1264.70	-1264.39	-331.02	-16.80
		19	6.50	59.16	-25.76	-5.60	39.01	-36.13	-321.04	-1265.72	-1263.47	-323.29	-46.08
507	13	18	4.69	-37.87	-42.92	-37.87	-42.92	0.11	-95.83	-861.73	-855.90	-101.65	-66.53
		28	4.66	-37.87	-42.90	-37.87	-42.90	0.11	-102.36	-856.69	-856.06	-102.99	-21.76
		29	3.47	-28.06	-41.72	-28.06	-41.72	0.11	-76.91	-647.39	-646.47	-77.83	-22.97
		19	3.51	-28.06	-41.74	-28.06	-41.74	0.11	-68.56	-654.25	-646.31	-76.50	-67.74
507	15	18	4.69	-37.87	-42.92	-37.87	-42.92	0.11	-95.83	-861.73	-855.90	-101.65	-66.53
		28	4.66	-37.87	-42.90	-37.87	-42.90	0.11	-102.36	-856.69	-856.06	-102.99	-21.76
		29	3.47	-28.06	-41.72	-28.06	-41.72	0.11	-76.91	-647.39	-646.47	-77.83	-22.97
		19	3.51	-28.06	-41.74	-28.06	-41.74	0.11	-68.56	-654.25	-646.31	-76.50	-67.74
508	4	19	5.54	37.69	-46.90	37.69	-46.90	0.67	791.56	64.68	791.21	65.03	15.92
		29	5.54	37.66	-47.18	37.66	-47.17	0.67	791.11	63.78	791.07	63.83	5.69
		30	5.37	39.26	-46.98	39.25	-46.98	0.67	743.21	58.05	743.18	58.08	4.60
		20	5.36	39.29	-46.71	39.29	-46.71	0.67	743.65	58.97	743.33	59.29	14.83
508	5	19	6.49	47.24	-23.68	-6.66	30.22	-30.29	-248.40	-1258.85	-1254.95	-252.30	-62.64
		29	6.43	53.19	-21.32	-5.77	37.64	-30.29	-258.13	-1255.82	-1255.67	-258.29	-12.48
		30	5.22	55.37	-15.79	1.11	38.46	-30.29	-229.70	-1021.23	-1020.82	-230.11	-17.90
		20	5.31	49.61	-18.35	0.22	31.04	-30.29	-218.34	-1025.88	-1020.10	-224.12	-68.06
508	13	19	3.52	-27.59	-37.86	-27.59	-37.86	0.07	-25.79	-648.38	-641.10	-33.08	-66.94
		29	3.48	-27.61	-38.02	-27.61	-38.02	0.07	-30.02	-641.70	-640.83	-30.89	-22.97
		30	2.31	-18.00	-36.86	-18.00	-36.86	0.07	-5.16	-435.98	-434.96	-6.18	-20.98
		20	2.37	-17.98	-36.70	-17.98	-36.70	0.07	1.29	-444.88	-435.22	-8.37	-64.96
508	15	19	3.52	-27.59	-37.86	-27.59	-37.86	0.07	-25.79	-648.38	-641.10	-33.08	-66.94
		29	3.48	-27.61	-38.02	-27.61	-38.02	0.07	-30.02	-641.70	-640.83	-30.89	-22.97
		30	2.31	-18.00	-36.86	-18.00	-36.86	0.07	-5.16	-435.98	-434.96	-6.18	-20.98
		20	2.37	-17.98	-36.70	-17.98	-36.70	0.07	1.29	-444.88	-435.22	-8.37	-64.96
509	4	20	5.11	40.19	-39.26	40.18	-39.25	0.68	751.40	122.94	751.01	123.33	15.69
		30	5.11	40.13	-39.71	40.13	-39.71	0.68	751.30	125.44	751.27	125.47	4.60
		31	4.83	38.57	-39.90	38.57	-39.89	0.68	699.44	119.17	699.37	119.25	6.54
		21	4.83	38.63	-39.45	38.62	-39.44	0.68	699.64	116.57	699.11	117.10	17.63
509	5	20	5.21	38.84	-16.55	-0.74	23.03	-25.01	-188.94	-1023.53	-1016.70	-195.77	-75.19
		30	5.10	42.66	-14.76	-0.14	28.05	-25.01	-196.92	-1017.27	-1016.89	-197.31	-17.73
		31	3.80	44.45	-10.95	4.85	28.64	-25.01	-164.40	-748.50	-747.87	-165.03	-19.12
		21	3.96	40.76	-12.89	4.25	23.63	-25.01	-153.62	-757.56	-747.69	-163.49	-76.58
509	14	20	2.24	17.10	-36.74	17.09	-36.74	0.42	279.18	83.28	278.16	84.30	-14.10
		30	2.24	17.05	-37.11	17.05	-37.11	0.42	278.70	87.27	278.53	87.44	-5.63
		31	2.47	19.39	-36.83	19.39	-36.83	0.42	318.21	92.16	318.18	92.20	-2.78
		21	2.47	19.43	-36.46	19.43	-36.46	0.42	318.36	88.50	317.80	89.05	-11.25
509	15	20	2.39	-17.54	-32.97	-17.54	-32.97	0.04	33.18	-438.57	-431.12	25.74	-58.78
		30	2.36	-17.57	-33.21	-17.57	-33.21	0.04	31.34	-431.52	-430.57	30.38	-20.98
		31	1.87	-9.38	-32.23	-9.38	-32.23	0.04	52.54	-254.52	-253.60	51.62	-16.77
		21	1.90	-9.35	-31.98	-9.35	-31.98	0.04	56.56	-263.74	-254.15	46.98	-54.57
510	4	21	4.64	39.53	-31.89	39.53	-31.88	0.62	706.17	166.32	705.14	167.35	23.58
		31	4.63	39.48	-32.33	39.48	-32.33	0.62	705.74	171.65	705.66	171.73	6.54
		32	4.13	34.63	-32.91	34.62	-32.91	0.62	626.15	161.92	625.91	162.16	10.51
		22	4.14	34.68	-32.47	34.67	-32.47	0.62	627.00	156.16	625.38	157.78	27.55
510	8	21	4.10	27.02	-78.53	22.77	-74.28	20.73	503.39	143.35	502.43	144.31	-18.61
		31	4.17	26.40	-82.39	22.29	-78.28	20.73	503.51	148.62	503.00	149.12	-13.37
		32	4.30	27.15	-82.27	23.07	-78.19	20.73	527.76	151.85	527.54	152.06	-9.01

		22	4.23	27.76	-78.41	23.55	-74.19	20.73	527.50	146.72	526.97	147.26	-14.26
510	14	21	2.28	20.17	-30.36	20.16	-30.36	0.40	323.04	132.02	322.97	132.09	-3.78
		31	2.27	20.12	-30.73	20.12	-30.73	0.40	323.62	137.12	323.58	137.16	-2.78
		32	2.27	19.47	-30.81	19.46	-30.80	0.40	328.25	137.70	328.23	137.72	1.81
		22	2.28	19.51	-30.44	19.51	-30.43	0.40	327.63	132.65	327.63	132.65	0.82
510	16	21	1.89	16.94	-30.10	16.94	-30.10	0.37	259.79	125.69	259.27	126.21	-8.34
		31	1.88	16.90	-30.46	16.89	-30.46	0.37	260.04	131.25	259.90	131.40	-4.34
		32	1.97	16.94	-30.46	16.94	-30.45	0.37	278.62	133.64	278.62	133.64	0.36
		22	1.97	16.98	-30.10	16.98	-30.10	0.37	278.09	128.37	278.00	128.46	-3.64
511	1	308	15.85	-63.10	-152.84	-63.25	-152.69	-3.65	2573.65	152.01	152.31	2573.36	26.78
		309	15.26	-62.52	-148.12	-62.68	-147.97	-3.65	2474.72	139.85	140.41	2474.16	-36.12
		33	16.10	-23.62	-143.41	-23.73	-143.29	-3.65	2444.93	-160.22	-154.11	2438.82	-126.03
		23	16.66	-24.19	-148.12	-24.30	-148.01	-3.65	2539.50	-143.69	-142.20	2538.02	-63.13
511	12	308	32.40	14.70	-422.03	-155.80	-251.53	213.06	3427.76	-1218.72	188.28	2020.77	-2134.93
		309	38.55	-42.56	-521.66	-172.61	-391.61	213.06	4630.03	-670.43	375.84	3583.77	-2109.74
		33	31.64	92.74	-469.28	-5.04	-371.50	213.06	3745.62	346.06	493.76	3597.92	-693.04
		23	23.10	135.49	-355.14	11.77	-231.42	213.06	2294.38	46.74	306.20	2034.92	-718.22
511	13	308	12.19	-48.54	-117.57	-48.65	-117.45	-2.81	1979.73	116.93	117.16	1979.51	20.60
		309	11.74	-48.10	-113.94	-48.22	-113.82	-2.81	1903.63	107.57	108.00	1903.20	-27.79
		33	12.39	-18.17	-110.31	-18.25	-110.23	-2.81	1880.72	-123.24	-118.54	1876.02	-96.95
		23	12.82	-18.61	-113.94	-18.69	-113.86	-2.81	1953.46	-110.53	-109.39	1952.32	-48.56
511	15	308	12.19	-48.54	-117.57	-48.65	-117.45	-2.81	1979.73	116.93	117.16	1979.51	20.60
		309	11.74	-48.10	-113.94	-48.22	-113.82	-2.81	1903.63	107.57	108.00	1903.20	-27.79
		33	12.39	-18.17	-110.31	-18.25	-110.23	-2.81	1880.72	-123.24	-118.54	1876.02	-96.95
		23	12.82	-18.61	-113.94	-18.69	-113.86	-2.81	1953.46	-110.53	-109.39	1952.32	-48.56
512	2	23	8.85	30.25	-129.58	30.13	-129.46	-4.37	1182.48	475.42	476.08	1181.82	21.45
		33	8.69	30.83	-124.82	30.71	-124.70	-4.37	1174.29	469.26	474.54	1169.01	60.79
		34	8.54	39.21	-123.81	39.09	-123.69	-4.37	1195.62	654.23	658.73	1191.12	49.18
		24	8.70	38.63	-128.57	38.52	-128.45	-4.37	1204.10	660.09	660.27	1203.93	9.84
512	8	23	22.86	-39.73	-476.06	-41.69	-474.10	29.19	1919.19	-175.31	-166.16	1910.05	-138.09
		33	24.07	-41.77	-492.45	-43.67	-490.55	29.19	2083.42	-157.95	-146.71	2072.17	-158.37
		34	25.45	67.13	-479.01	65.57	-477.44	29.19	2060.83	-241.70	-241.64	2060.78	-11.42
		24	24.27	69.15	-462.60	67.54	-460.99	29.19	1898.69	-261.14	-261.10	1898.66	8.86
512	14	23	5.92	14.56	-98.86	14.45	-98.75	-3.57	688.73	207.58	207.59	688.72	2.19
		33	5.80	14.98	-95.40	14.86	-95.28	-3.57	682.44	206.75	206.83	682.36	6.38
		34	5.79	17.52	-95.09	17.41	-94.98	-3.57	684.71	226.45	226.45	684.71	0.61
		24	5.91	17.10	-98.56	16.99	-98.45	-3.57	691.10	227.18	227.21	691.07	-3.58
512	16	23	5.57	11.13	-98.54	11.00	-98.42	-3.65	601.93	145.08	145.11	601.90	-3.45
		33	5.46	11.54	-95.16	11.41	-95.03	-3.65	597.12	144.31	144.51	596.92	-9.53
		34	5.52	12.54	-95.03	12.42	-94.91	-3.65	593.92	115.63	116.04	593.50	-14.05
		24	5.63	12.13	-98.42	12.01	-98.30	-3.65	598.62	116.51	116.64	598.49	-7.97
513	1	24	6.58	-32.48	-98.07	-32.76	-97.80	-4.23	-812.98	-1087.12	-1075.15	-824.95	-56.02
		34	6.54	-32.28	-96.41	-32.56	-96.13	-4.23	-734.46	-1124.89	-1070.78	-788.57	-134.90
		35	8.02	-56.47	-99.47	-56.89	-99.05	-4.23	-816.24	-1456.76	-1440.11	-832.89	-101.93
		25	8.05	-56.69	-101.13	-57.09	-100.72	-4.23	-868.35	-1445.40	-1444.47	-869.27	-23.04
513	8	24	20.29	79.55	-365.93	79.02	-365.39	15.42	1587.48	-308.91	-299.56	1578.13	132.81
		34	20.84	78.62	-373.58	78.10	-373.06	15.42	1666.05	-301.43	-290.34	1654.96	147.31
		35	20.59	71.35	-374.46	70.82	-373.93	15.42	1687.74	-247.11	-222.47	1663.10	216.95
		25	20.04	72.28	-366.81	71.74	-366.27	15.42	1608.55	-253.96	-231.69	1586.28	202.45
513	13	24	5.06	-24.99	-75.44	-25.20	-75.23	-3.26	-625.37	-836.24	-827.04	-634.58	-43.09
		34	5.03	-24.83	-74.16	-25.04	-73.95	-3.26	-564.97	-865.30	-823.68	-606.59	-103.77
		35	6.17	-43.44	-76.52	-43.76	-76.19	-3.26	-627.88	-1120.59	-1107.78	-640.69	-78.41
		25	6.19	-43.60	-77.79	-43.92	-77.48	-3.26	-667.96	-1111.84	-1111.13	-668.67	-17.73
513	15	24	5.06	-24.99	-75.44	-25.20	-75.23	-3.26	-625.37	-836.24	-827.04	-634.58	-43.09
		34	5.03	-24.83	-74.16	-25.04	-73.95	-3.26	-564.97	-865.30	-823.68	-606.59	-103.77
		35	6.17	-43.44	-76.52	-43.76	-76.19	-3.26	-627.88	-1120.59	-1107.78	-640.69	-78.41
		25	6.19	-43.60	-77.79	-43.92	-77.48	-3.26	-667.96	-1111.84	-1111.13	-668.67	-17.73
514	1	25	7.62	-54.43	-80.02	-54.59	-79.86	-2.00	-755.40	-1431.69	-1430.90	-756.18	-23.04
		35	7.58	-54.42	-79.89	-54.57	-79.73	-2.00	-724.49	-1429.97	-1427.41	-727.05	-42.47
		36	8.17	-65.40	-81.31	-65.65	-81.06	-2.00	-737.63	-1518.67	-1518.34	-737.96	-16.06
		26	8.20	-65.42	-81.44	-65.67	-81.19	-2.00	-767.08	-1521.85	-1521.84	-767.09	3.36
514	8	25	15.55	83.80	-274.65	82.85	-273.70	18.45	1145.60	-316.23	-287.96	1117.34	201.30
		35	15.75	82.73	-283.42	81.79	-282.48	18.45	1151.12	-338.88	-289.80	1102.03	265.94
		36	14.41	40.88	-288.55	39.85	-287.52	18.45	1192.22	-41.08	12.79	1138.34	252.07
		26	14.21	41.96	-279.79	40.90	-278.73	18.45	1183.70	-15.42	14.63	1153.65	187.44
514	13	25	5.86	-41.87	-61.55	-41.99	-61.43	-1.54	-581.07	-1101.30	-1100.70	-581.68	-17.73
		35	5.83	-41.86	-61.45	-41.98	-61.33	-1.54	-557.30	-1099.98	-1098.01	-559.27	-32.67
		36	6.28	-50.31	-62.55	-50.50	-62.35	-1.54	-567.41	-1168.21	-1167.95	-567.66	-12.35
		26	6.31	-50.32	-62.65	-50.52	-62.45	-1.54	-590.06	-1170.65	-1170.64	-590.07	2.59
514	15	25	5.86	-41.87	-61.55	-41.99	-61.43	-1.54	-581.07	-1101.30	-1100.70	-581.68	-17.73
		35	5.83	-41.86	-61.45	-41.98	-61.33	-1.54	-557.30	-1099.98	-1098.01	-559.27	-32.67
		36	6.28	-50.31	-62.55	-50.50	-62.35	-1.54	-567.41	-1168.21	-1167.95	-567.66	-12.35
		26	6.31	-50.32	-62.65	-50.52	-62.45	-1.54	-590.06	-1170.65	-1170.64	-590.07	2.59
515	1	26	7.91	-64.18	-69.47	-64.26	-69.40	-0.64	-501.79	-1490.01	-1490.00	-501.80	3.36
		36	7.91	-64.24	-69.93	-64.31	-69.86	-0.64	-482.59	-1488.50	-1487.78	-483.31	26.95
		37	7.36	-61.17	-69.54	-61.22	-69.49	-0.64	-467.95	-1379.44	-1377.34	-470.06	43.71
		27	7.37	-61.11	-69.08	-61.16	-69.02	-0.64	-488.10	-1380.01	-1379.56	-488.55	20.12

515	12	26	9.78	75.72	-183.44	-5.28	-102.44	120.13	572.12	-237.17	206.68	128.27	402.74
		36	10.69	56.53	-223.38	-11.61	-155.24	120.13	512.33	-354.14	187.74	-29.54	419.39
		37	9.66	49.48	-226.44	-20.64	-156.32	120.13	433.89	-188.37	265.71	-20.19	276.35
		27	8.65	69.23	-187.06	-14.30	-103.52	120.13	481.04	-58.76	284.65	137.63	259.69
515	13	26	6.09	-49.37	-53.44	-49.43	-53.38	-0.49	-385.99	-1146.16	-1146.15	-386.00	2.59
		36	6.08	-49.41	-53.79	-49.47	-53.74	-0.49	-371.22	-1145.00	-1144.45	-371.78	20.73
		37	5.67	-47.05	-53.49	-47.09	-53.45	-0.49	-359.97	-1061.11	-1059.49	-361.58	33.63
		27	5.67	-47.01	-53.14	-47.05	-53.10	-0.49	-375.46	-1061.55	-1061.20	-375.81	15.48
515	15	26	6.09	-49.37	-53.44	-49.43	-53.38	-0.49	-385.99	-1146.16	-1146.15	-386.00	2.59
		36	6.08	-49.41	-53.79	-49.47	-53.74	-0.49	-371.22	-1145.00	-1144.45	-371.78	20.73
		37	5.67	-47.05	-53.49	-47.09	-53.45	-0.49	-359.97	-1061.11	-1059.49	-361.58	33.63
		27	5.67	-47.01	-53.14	-47.05	-53.10	-0.49	-375.46	-1061.55	-1061.20	-375.81	15.48
516	1	27	7.31	-60.32	-62.25	-60.34	-62.22	-0.22	-278.28	-1354.75	-1354.37	-278.66	20.12
		37	7.34	-60.36	-62.59	-60.39	-62.57	-0.22	-265.32	-1357.63	-1353.29	-269.66	68.69
		38	6.07	-49.89	-61.32	-49.89	-61.31	-0.22	-235.73	-1132.54	-1125.90	-242.37	76.85
		28	6.04	-49.85	-60.97	-49.85	-60.96	-0.22	-250.46	-1127.89	-1126.98	-251.37	28.29
516	12	27	7.67	73.94	-173.18	-12.31	-86.93	117.79	346.30	-33.50	272.92	39.88	149.95
		37	8.48	55.55	-206.82	-17.89	-133.38	117.79	329.46	-119.35	261.92	-51.81	160.48
		38	7.98	56.78	-206.22	-16.26	-133.18	117.79	327.24	-61.94	311.19	-45.89	77.37
		28	7.10	75.07	-172.48	-10.68	-86.73	117.79	337.52	30.48	322.20	45.79	66.85
516	13	27	5.63	-46.40	-47.88	-46.42	-47.86	-0.17	-214.06	-1042.11	-1041.82	-214.35	15.48
		37	5.64	-46.43	-48.15	-46.45	-48.13	-0.17	-204.09	-1044.33	-1040.99	-207.43	52.84
		38	4.67	-38.38	-47.17	-38.38	-47.16	-0.17	-181.33	-871.18	-866.08	-186.44	59.12
		28	4.65	-38.35	-46.90	-38.35	-46.90	-0.17	-192.66	-867.61	-866.91	-193.36	21.76
516	15	27	5.63	-46.40	-47.88	-46.42	-47.86	-0.17	-214.06	-1042.11	-1041.82	-214.35	15.48
		37	5.64	-46.43	-48.15	-46.45	-48.13	-0.17	-204.09	-1044.33	-1040.99	-207.43	52.84
		38	4.67	-38.38	-47.17	-38.38	-47.16	-0.17	-181.33	-871.18	-866.08	-186.44	59.12
		28	4.65	-38.35	-46.90	-38.35	-46.90	-0.17	-192.66	-867.61	-866.91	-193.36	21.76
517	1	28	6.06	-49.23	-55.77	-49.23	-55.77	-0.14	-133.07	-1113.70	-1112.88	-133.88	28.29
		38	6.10	-49.23	-55.80	-49.23	-55.80	-0.14	-124.58	-1120.24	-1112.68	-132.15	86.48
		39	4.56	-36.48	-54.27	-36.48	-54.27	-0.14	-89.13	-850.52	-840.20	-99.45	88.06
		29	4.51	-36.47	-54.24	-36.48	-54.24	-0.14	-99.98	-841.61	-840.41	-101.19	29.86
517	6	28	7.45	64.32	-33.42	-17.46	48.36	36.13	-347.38	-1401.58	-1401.49	-347.47	9.80
		38	7.43	55.10	-36.44	-18.78	37.43	36.13	-338.31	-1402.00	-1400.56	-339.74	39.08
		39	6.50	59.16	-25.76	-5.60	39.01	36.13	-321.04	-1265.72	-1263.47	-323.29	46.08
		29	6.51	67.99	-22.35	-4.29	49.94	36.13	-330.72	-1264.70	-1264.39	-331.02	16.80
517	13	28	4.66	-37.87	-42.90	-37.87	-42.90	-0.11	-102.36	-856.69	-856.06	-102.99	21.76
		38	4.69	-37.87	-42.92	-37.87	-42.92	-0.11	-95.83	-861.73	-855.90	-101.65	66.53
		39	3.51	-28.06	-41.74	-28.06	-41.74	-0.11	-68.56	-654.25	-646.31	-76.50	67.74
		29	3.47	-28.06	-41.72	-28.06	-41.72	-0.11	-76.91	-647.39	-646.47	-77.83	22.97
517	15	28	4.66	-37.87	-42.90	-37.87	-42.90	-0.11	-102.36	-856.69	-856.06	-102.99	21.76
		38	4.69	-37.87	-42.92	-37.87	-42.92	-0.11	-95.83	-861.73	-855.90	-101.65	66.53
		39	3.51	-28.06	-41.74	-28.06	-41.74	-0.11	-68.56	-654.25	-646.31	-76.50	67.74
		29	3.47	-28.06	-41.72	-28.06	-41.72	-0.11	-76.91	-647.39	-646.47	-77.83	22.97
518	4	29	5.54	37.66	-47.18	37.66	-47.17	-0.67	791.11	63.78	791.07	63.83	-5.69
		39	5.54	37.69	-46.90	37.69	-46.90	-0.67	791.56	64.68	791.21	65.03	-15.92
		40	5.36	39.29	-46.71	39.29	-46.71	-0.67	743.65	58.97	743.33	59.29	-14.83
		30	5.37	39.26	-46.98	39.25	-46.98	-0.67	743.21	58.05	743.18	58.08	-4.60
518	6	29	6.43	53.19	-21.32	-5.77	37.64	30.29	-258.13	-1255.82	-1255.67	-258.29	12.48
		39	6.49	47.24	-23.68	-6.66	30.22	30.29	-248.40	-1258.85	-1254.95	-252.30	62.64
		40	5.31	49.61	-18.35	0.22	31.04	30.29	-218.34	-1025.88	-1020.10	-224.12	68.06
		30	5.22	55.37	-15.79	1.11	38.46	30.29	-229.70	-1021.23	-1020.82	-230.11	17.90
518	13	29	3.48	-27.61	-38.02	-27.61	-38.02	-0.07	-30.02	-641.70	-640.83	-30.89	22.97
		39	3.52	-27.59	-37.86	-27.59	-37.86	-0.07	-25.79	-648.38	-641.10	-33.08	66.94
		40	2.37	-17.98	-36.70	-17.98	-36.70	-0.07	1.29	-444.88	-435.22	-8.37	64.96
		30	2.31	-18.00	-36.86	-18.00	-36.86	-0.07	-5.16	-435.98	-434.96	-6.18	20.98
518	15	29	3.48	-27.61	-38.02	-27.61	-38.02	-0.07	-30.02	-641.70	-640.83	-30.89	22.97
		39	3.52	-27.59	-37.86	-27.59	-37.86	-0.07	-25.79	-648.38	-641.10	-33.08	66.94
		40	2.37	-17.98	-36.70	-17.98	-36.70	-0.07	1.29	-444.88	-435.22	-8.37	64.96
		30	2.31	-18.00	-36.86	-18.00	-36.86	-0.07	-5.16	-435.98	-434.96	-6.18	20.98
519	4	30	5.11	40.13	-39.71	40.13	-39.71	-0.68	751.30	125.44	751.27	125.47	-4.60
		40	5.11	40.19	-39.26	40.18	-39.25	-0.68	751.40	122.94	751.01	123.33	-15.69
		41	4.83	38.63	-39.45	38.62	-39.44	-0.68	699.64	116.57	699.11	117.10	-17.63
		31	4.83	38.57	-39.90	38.57	-39.89	-0.68	699.44	119.17	699.37	119.25	-6.54
519	6	30	5.10	42.66	-14.76	-0.14	28.05	25.01	-196.92	-1017.27	-1016.89	-197.31	17.73
		40	5.21	38.84	-16.55	-0.74	23.03	25.01	-188.94	-1023.53	-1016.70	-195.77	75.19
		41	3.96	40.76	-12.89	4.25	23.63	25.01	-153.62	-757.56	-747.69	-163.49	76.58
		31	3.80	44.45	-10.95	4.85	28.64	25.01	-164.40	-748.50	-747.87	-165.03	19.12
519	14	30	2.24	17.05	-37.11	17.05	-37.11	-0.42	278.70	87.27	278.53	87.44	5.63
		40	2.24	17.10	-36.74	17.09	-36.74	-0.42	279.18	83.28	278.16	84.30	14.10
		41	2.47	19.43	-36.46	19.43	-36.46	-0.42	318.36	88.50	317.80	89.05	11.25
		31	2.47	19.39	-36.83	19.39	-36.83	-0.42	318.21	92.16	318.18	92.20	2.78
519	15	30	2.36	-17.57	-33.21	-17.57	-33.21	-0.04	31.34	-431.52	-430.57	30.38	20.98
		40	2.39	-17.54	-32.97	-17.54	-32.97	-0.04	33.18	-438.57	-431.12	25.74	58.78
		41	1.90	-9.35	-31.98	-9.35	-31.98	-0.04	56.56	-263.74	-254.15	46.98	54.57
		31	1.87	-9.38	-32.23	-9.38	-32.23	-0.04	52.54	-254.52	-253.60	51.62	16.77
520	4	31	4.63	39.48	-32.33	39.48	-32.33	-0.62	705.74	171.65	705.66	171.73	-6.54

		41	4.64	39.53	-31.89	39.53	-31.88	-0.62	706.17	166.32	705.14	167.35	-23.58
		42	4.14	34.68	-32.47	34.67	-32.47	-0.62	627.00	156.16	625.38	157.78	-27.55
		32	4.13	34.63	-32.91	34.62	-32.91	-0.62	626.15	161.92	625.91	162.16	-10.51
520	7	31	4.17	26.40	-82.39	22.29	-78.28	-20.73	503.51	148.62	503.00	149.12	13.37
		41	4.10	27.02	-78.53	22.77	-74.28	-20.73	503.39	143.35	502.43	144.31	18.61
		42	4.23	27.76	-78.41	23.55	-74.19	-20.73	527.50	146.72	526.97	147.26	14.26
		32	4.30	27.15	-82.27	23.07	-78.19	-20.73	527.76	151.85	527.54	152.06	9.01
520	14	31	2.27	20.12	-30.73	20.12	-30.73	-0.40	323.62	137.12	323.58	137.16	2.78
		41	2.28	20.17	-30.36	20.16	-30.36	-0.40	323.04	132.02	322.97	132.09	3.78
		42	2.28	19.51	-30.44	19.51	-30.43	-0.40	327.63	132.65	327.63	132.65	-0.82
		32	2.27	19.47	-30.81	19.46	-30.80	-0.40	328.25	137.70	328.23	137.72	-1.81
520	16	31	1.88	16.90	-30.46	16.89	-30.46	-0.37	260.04	131.25	259.90	131.40	4.34
		41	1.89	16.94	-30.10	16.94	-30.10	-0.37	259.79	125.69	259.27	126.21	8.34
		42	1.97	16.98	-30.10	16.98	-30.10	-0.37	278.09	128.37	278.00	128.46	3.64
		32	1.97	16.94	-30.46	16.94	-30.45	-0.37	278.62	133.64	278.62	133.64	-0.36
521	1	309	15.29	-57.19	-148.72	-58.46	-147.46	-10.67	2476.04	154.41	154.59	2475.87	20.34
		310	13.50	-55.09	-133.32	-56.58	-131.83	-10.67	2183.71	118.77	119.45	2183.03	-37.33
		43	14.39	-20.24	-128.66	-21.30	-127.60	-10.67	2189.80	-189.71	-150.55	2150.63	-302.76
		33	16.09	-22.23	-144.17	-23.18	-143.23	-10.67	2466.73	-138.67	-115.41	2443.47	-245.09
521	12	309	34.95	-91.89	-497.40	-194.99	-394.29	176.57	4362.96	-333.30	438.38	3591.28	-1740.27
		310	40.75	-120.91	-572.06	-206.10	-486.86	176.57	5320.01	-46.32	571.67	4702.02	-1713.02
		43	38.00	90.64	-514.89	33.82	-458.07	176.57	4837.85	578.76	699.27	4717.33	-706.24
		33	31.21	110.44	-431.01	44.93	-365.50	176.57	3774.28	398.29	565.99	3606.59	-733.49
521	13	309	11.76	-43.99	-114.40	-44.97	-113.43	-8.21	1904.65	118.78	118.91	1904.51	15.64
		310	10.38	-42.38	-102.55	-43.52	-101.41	-8.21	1679.78	91.36	91.88	1679.26	-28.72
		43	11.07	-15.57	-98.97	-16.38	-98.15	-8.21	1684.46	-145.93	-115.81	1654.33	-232.89
		33	12.37	-17.10	-110.90	-17.83	-110.17	-8.21	1897.48	-106.67	-88.77	1879.59	-188.53
521	15	309	11.76	-43.99	-114.40	-44.97	-113.43	-8.21	1904.65	118.78	118.91	1904.51	15.64
		310	10.38	-42.38	-102.55	-43.52	-101.41	-8.21	1679.78	91.36	91.88	1679.26	-28.72
		43	11.07	-15.57	-98.97	-16.38	-98.15	-8.21	1684.46	-145.93	-115.81	1654.33	-232.89
		33	12.37	-17.10	-110.90	-17.83	-110.17	-8.21	1897.48	-106.67	-88.77	1879.59	-188.53
522	2	33	8.92	33.30	-125.48	32.32	-124.50	-12.43	1168.15	359.62	371.17	1156.61	95.93
		43	8.45	35.22	-110.29	34.15	-109.22	-12.43	1151.07	345.92	367.87	1129.12	131.09
		44	8.23	39.97	-109.69	38.93	-108.65	-12.43	1166.66	514.71	532.49	1148.88	106.18
		34	8.71	38.05	-124.88	37.10	-123.93	-12.43	1184.14	528.01	535.79	1176.36	71.02
522	8	33	24.06	-18.61	-489.05	-19.96	-487.70	-25.14	2097.43	-109.06	-90.54	2078.91	-201.28
		43	24.33	-15.99	-467.68	-17.39	-466.27	-25.14	2283.19	-91.13	-68.72	2260.77	-229.59
		44	25.66	71.86	-456.90	70.67	-455.71	-25.14	2246.58	-202.96	-201.25	2244.87	-64.75
		34	25.41	69.25	-478.30	68.09	-477.14	-25.14	2063.59	-223.65	-223.07	2063.01	-36.44
522	14	33	5.92	16.84	-96.07	15.92	-95.15	-10.13	675.80	151.25	151.36	675.70	7.31
		43	5.58	18.25	-85.15	17.25	-84.15	-10.13	664.90	149.69	150.02	664.57	13.07
		44	5.52	18.13	-85.17	17.13	-84.17	-10.13	667.82	176.97	176.99	667.81	2.98
		34	5.86	16.72	-96.09	15.81	-95.17	-10.13	678.95	178.31	178.32	678.94	-2.78
522	16	33	5.56	13.39	-95.90	12.40	-94.91	-10.35	592.12	97.79	98.51	591.40	-18.88
		43	5.23	14.77	-85.29	13.69	-84.20	-10.35	585.16	96.70	97.64	584.21	-21.50
		44	5.24	13.18	-85.50	12.08	-84.40	-10.35	584.31	83.78	85.35	582.74	-28.02
		34	5.56	11.80	-96.11	10.79	-95.10	-10.35	591.20	84.94	86.21	589.92	-25.39
523	1	34	6.59	-32.78	-98.58	-34.94	-96.42	-11.73	-600.83	-1088.83	-919.27	-770.39	-232.37
		44	6.44	-32.14	-94.45	-34.43	-92.16	-11.73	-475.05	-1100.04	-907.00	-668.10	-288.77
		45	7.23	-55.37	-98.55	-58.83	-95.09	-11.73	-628.89	-1241.92	-1171.03	-699.79	-196.05
		35	7.37	-56.16	-102.53	-59.34	-99.34	-11.73	-756.39	-1228.99	-1183.30	-802.08	-139.65
523	8	34	20.99	82.89	-375.03	80.62	-372.75	-32.18	1664.91	-279.49	-271.77	1657.19	122.29
		44	21.19	85.57	-353.66	83.20	-351.29	-32.18	1833.81	-261.04	-251.69	1824.47	139.63
		45	20.98	68.97	-355.74	66.52	-353.29	-32.18	1875.67	-211.96	-170.50	1834.21	291.25
		35	20.77	66.29	-377.10	63.94	-374.76	-32.18	1706.48	-230.13	-190.58	1666.93	273.91
523	13	34	5.07	-25.21	-75.83	-26.88	-74.17	-9.02	-462.18	-837.56	-707.13	-592.61	-178.75
		44	4.95	-24.72	-72.65	-26.48	-70.89	-9.02	-365.43	-846.19	-697.69	-513.92	-222.13
		45	5.56	-42.59	-75.81	-45.25	-73.14	-9.02	-483.76	-955.32	-900.79	-538.30	-150.81
		35	5.67	-43.20	-78.87	-45.65	-76.42	-9.02	-581.84	-945.37	-910.23	-616.98	-107.43
523	15	34	5.07	-25.21	-75.83	-26.88	-74.17	-9.02	-462.18	-837.56	-707.13	-592.61	-178.75
		44	4.95	-24.72	-72.65	-26.48	-70.89	-9.02	-365.43	-846.19	-697.69	-513.92	-222.13
		45	5.56	-42.59	-75.81	-45.25	-73.14	-9.02	-483.76	-955.32	-900.79	-538.30	-150.81
		35	5.67	-43.20	-78.87	-45.65	-76.42	-9.02	-581.84	-945.37	-910.23	-616.98	-107.43
524	1	35	6.75	-55.77	-81.28	-57.02	-80.02	-5.52	-683.05	-1183.79	-1170.60	-696.24	-80.19
		45	6.63	-55.81	-81.54	-57.06	-80.30	-5.52	-602.09	-1175.58	-1161.05	-616.62	-90.13
		46	6.94	-64.92	-83.31	-66.76	-81.46	-5.52	-621.65	-1208.12	-1207.57	-622.20	-17.96
		36	7.06	-64.86	-83.05	-66.73	-81.19	-5.52	-701.69	-1217.25	-1217.12	-701.82	-8.03
524	8	35	15.88	75.55	-283.94	74.92	-283.31	-15.08	1178.45	-330.50	-257.91	1105.86	322.90
		45	15.83	76.43	-276.70	75.79	-276.06	-15.08	1207.59	-361.10	-258.06	1104.55	388.61
		46	14.57	34.50	-281.82	33.78	-281.10	-15.08	1264.96	-73.94	49.56	1141.47	387.42
		36	14.62	33.61	-289.06	32.91	-288.35	-15.08	1230.43	-37.95	49.71	1142.78	321.72
524	13	35	5.20	-42.90	-62.52	-43.86	-61.56	-4.25	-525.42	-910.61	-900.46	-535.57	-61.69
		45	5.10	-42.93	-62.73	-43.89	-61.77	-4.25	-463.14	-904.29	-893.11	-474.32	-69.33
		46	5.34	-49.94	-64.08	-51.36	-62.66	-4.25	-478.19	-929.32	-928.90	-478.62	-13.82
		36	5.43	-49.89	-63.89	-51.33	-62.45	-4.25	-539.76	-936.34	-936.25	-539.86	-6.18
524	15	35	5.20	-42.90	-62.52	-43.86	-61.56	-4.25	-525.42	-910.61	-900.46	-535.57	-61.69
		45	5.10	-42.93	-62.73	-43.89	-61.77	-4.25	-463.14	-904.29	-893.11	-474.32	-69.33

		46	5.34	-49.94	-64.08	-51.36	-62.66	-4.25	-478.19	-929.32	-928.90	-478.62	-13.82
		36	5.43	-49.89	-63.89	-51.33	-62.45	-4.25	-539.76	-936.34	-936.25	-539.86	-6.18
525	1	36	6.66	-64.70	-70.67	-65.38	-69.99	-1.90	-445.51	-1188.21	-1186.56	-447.16	34.98
		46	6.64	-65.04	-72.17	-65.58	-71.63	-1.90	-392.15	-1184.60	-1180.46	-396.29	57.13
		47	6.15	-61.19	-71.51	-61.55	-71.14	-1.90	-368.79	-1091.83	-1076.78	-383.85	103.24
		37	6.17	-60.93	-69.92	-61.35	-69.50	-1.90	-424.73	-1092.88	-1082.88	-434.72	81.10
525	12	36	10.42	49.41	-215.60	-11.02	-155.17	111.19	544.24	-350.80	219.20	-25.77	430.43
		46	11.61	33.04	-261.43	-17.69	-210.70	111.19	468.18	-465.27	198.79	-195.88	422.96
		47	10.55	30.56	-262.23	-20.61	-211.05	111.19	306.41	-342.70	163.80	-200.08	268.76
		37	9.23	47.08	-216.55	-13.94	-155.52	111.19	373.39	-219.15	184.21	-29.97	276.24
525	13	36	5.13	-49.77	-54.36	-50.30	-53.84	-1.46	-342.70	-914.01	-912.74	-343.97	26.91
		46	5.11	-50.03	-55.52	-50.45	-55.10	-1.46	-301.65	-911.23	-908.04	-304.84	43.95
		47	4.73	-47.07	-55.00	-47.35	-54.73	-1.46	-283.68	-839.87	-828.29	-295.27	79.42
		37	4.74	-46.87	-53.79	-47.19	-53.46	-1.46	-326.71	-840.67	-832.99	-334.40	62.38
525	15	36	5.13	-49.77	-54.36	-50.30	-53.84	-1.46	-342.70	-914.01	-912.74	-343.97	26.91
		46	5.11	-50.03	-55.52	-50.45	-55.10	-1.46	-301.65	-911.23	-908.04	-304.84	43.95
		47	4.73	-47.07	-55.00	-47.35	-54.73	-1.46	-283.68	-839.87	-828.29	-295.27	79.42
		37	4.74	-46.87	-53.79	-47.19	-53.46	-1.46	-326.71	-840.67	-832.99	-334.40	62.38
526	1	37	6.07	-60.24	-62.87	-60.52	-62.59	-0.81	-220.89	-1072.26	-1058.83	-234.32	106.08
		47	6.13	-60.43	-63.80	-60.64	-63.59	-0.81	-185.59	-1080.53	-1055.94	-210.19	146.31
		48	5.11	-49.96	-62.37	-50.01	-62.32	-0.81	-148.26	-906.91	-867.59	-187.58	168.18
		38	5.04	-49.83	-61.37	-49.89	-61.31	-0.81	-187.74	-894.47	-870.49	-211.72	127.95
526	12	37	8.06	52.83	-196.59	-11.19	-132.57	108.95	260.31	-141.48	180.41	-61.59	160.37
		47	9.04	37.47	-235.05	-16.96	-180.62	108.95	233.76	-210.60	170.17	-147.00	155.61
		48	8.58	42.15	-233.39	-11.29	-179.94	108.95	167.20	-168.97	147.91	-149.67	78.20
		38	7.53	57.23	-194.65	-5.53	-131.89	108.95	185.69	-91.79	158.16	-64.26	82.95
526	13	37	4.67	-46.34	-48.36	-46.56	-48.14	-0.63	-169.92	-824.82	-814.49	-180.25	81.60
		47	4.71	-46.49	-49.08	-46.65	-48.92	-0.63	-142.76	-831.18	-812.26	-161.68	112.54
		48	3.93	-38.43	-47.98	-38.47	-47.94	-0.63	-114.05	-697.63	-667.38	-144.30	129.37
		38	3.87	-38.33	-47.21	-38.38	-47.16	-0.63	-144.42	-688.05	-669.61	-162.86	98.42
526	15	37	4.67	-46.34	-48.36	-46.56	-48.14	-0.63	-169.92	-824.82	-814.49	-180.25	81.60
		47	4.71	-46.49	-49.08	-46.65	-48.92	-0.63	-142.76	-831.18	-812.26	-161.68	112.54
		48	3.93	-38.43	-47.98	-38.47	-47.94	-0.63	-114.05	-697.63	-667.38	-144.30	129.37
		38	3.87	-38.33	-47.21	-38.38	-47.16	-0.63	-144.42	-688.05	-669.61	-162.86	98.42
527	4	38	5.18	33.15	-54.20	33.12	-54.17	-1.53	652.74	-23.30	650.40	-20.97	-39.69
		48	5.16	33.11	-54.56	33.08	-54.53	-1.53	655.70	-14.78	651.63	-10.72	-52.03
		49	5.00	37.02	-54.09	37.00	-54.06	-1.53	596.84	-20.62	593.87	-17.65	-42.74
		39	5.02	37.07	-53.72	37.04	-53.70	-1.53	594.13	-29.38	592.64	-27.90	-30.40
527	12	38	6.18	53.85	-166.47	-2.87	-109.76	96.33	169.49	-15.27	164.62	-10.40	29.59
		48	6.86	42.37	-194.62	-7.11	-145.13	96.33	167.99	-39.54	161.86	-33.41	35.15
		49	6.83	47.01	-192.91	-1.45	-144.45	96.33	188.79	-31.22	187.86	-30.29	14.29
		39	6.13	58.25	-164.53	2.79	-109.08	96.33	191.00	-7.67	190.62	-7.28	8.74
527	13	38	3.87	-37.83	-42.96	-37.87	-42.92	-0.44	-59.41	-678.10	-659.43	-78.08	105.83
		48	3.95	-37.83	-42.96	-37.87	-42.93	-0.44	-42.48	-691.48	-659.05	-74.91	141.40
		49	3.04	-28.13	-41.77	-28.14	-41.76	-0.44	-11.64	-535.80	-492.52	-54.93	144.27
		39	2.93	-28.13	-41.77	-28.14	-41.75	-0.44	-32.43	-518.56	-492.90	-58.09	108.70
527	15	38	3.87	-37.83	-42.96	-37.87	-42.92	-0.44	-59.41	-678.10	-659.43	-78.08	105.83
		48	3.95	-37.83	-42.96	-37.87	-42.93	-0.44	-42.48	-691.48	-659.05	-74.91	141.40
		49	3.04	-28.13	-41.77	-28.14	-41.76	-0.44	-11.64	-535.80	-492.52	-54.93	144.27
		39	2.93	-28.13	-41.77	-28.14	-41.75	-0.44	-32.43	-518.56	-492.90	-58.09	108.70
528	4	39	4.71	37.91	-46.93	37.86	-46.88	-2.15	602.29	40.98	601.05	42.21	-26.26
		49	4.69	38.03	-46.00	37.97	-45.94	-2.15	603.61	43.81	601.50	45.92	-34.32
		50	4.55	39.29	-45.85	39.24	-45.79	-2.15	565.60	39.57	563.77	41.39	-30.96
		40	4.57	39.18	-46.78	39.13	-46.73	-2.15	564.32	36.69	563.33	37.69	-22.90
528	6	39	6.06	53.43	-25.88	-3.09	30.64	35.89	-224.54	-1133.75	-1121.95	-236.34	102.91
		49	6.20	48.69	-28.38	-3.87	24.18	35.89	-194.47	-1142.38	-1119.65	-217.20	145.01
		50	5.37	51.19	-24.11	2.17	24.91	35.89	-159.02	-957.08	-922.56	-193.55	162.36
		40	5.19	55.76	-21.44	2.94	31.37	35.89	-192.93	-944.61	-924.85	-212.69	120.27
528	13	39	2.93	-27.67	-37.87	-27.68	-37.87	-0.27	8.79	-511.14	-487.69	-14.67	107.91
		49	3.03	-27.61	-37.35	-27.61	-37.35	-0.27	18.96	-528.31	-488.44	-20.91	142.24
		50	2.18	-18.03	-36.20	-18.03	-36.20	-0.27	48.03	-377.36	-327.71	-1.62	136.58
		40	2.06	-18.09	-36.72	-18.09	-36.72	-0.27	33.62	-355.96	-326.96	4.62	102.25
528	15	39	2.93	-27.67	-37.87	-27.68	-37.87	-0.27	8.79	-511.14	-487.69	-14.67	107.91
		49	3.03	-27.61	-37.35	-27.61	-37.35	-0.27	18.96	-528.31	-488.44	-20.91	142.24
		50	2.18	-18.03	-36.20	-18.03	-36.20	-0.27	48.03	-377.36	-327.71	-1.62	136.58
		40	2.06	-18.09	-36.72	-18.09	-36.72	-0.27	33.62	-355.96	-326.96	4.62	102.25
529	4	40	4.30	40.07	-39.33	40.02	-39.27	-2.05	572.21	100.53	571.01	101.73	-23.76
		50	4.30	40.25	-37.90	40.19	-37.85	-2.05	572.46	93.81	570.32	95.96	-31.97
		51	4.09	38.65	-38.09	38.60	-38.04	-2.05	534.97	88.22	531.85	91.34	-37.21
		41	4.09	38.48	-39.52	38.43	-39.46	-2.05	534.47	95.19	532.54	97.12	-28.99
529	6	40	5.07	45.38	-20.04	1.98	23.36	30.91	-162.95	-942.85	-921.45	-184.34	127.39
		50	5.27	42.24	-21.98	1.44	18.82	30.91	-139.92	-961.06	-920.94	-180.04	177.02
		51	4.37	44.32	-18.93	6.03	19.37	30.91	-96.85	-743.89	-688.57	-152.16	180.92
		41	4.11	47.34	-16.87	6.57	23.91	30.91	-125.86	-719.69	-689.09	-156.46	131.28
529	14	40	1.96	16.98	-36.79	16.95	-36.76	-1.28	217.60	72.39	213.46	76.53	24.18
		50	1.97	17.12	-35.62	17.09	-35.59	-1.28	218.79	61.53	212.42	67.89	30.99
		51	2.16	19.47	-35.34	19.44	-35.31	-1.28	247.39	68.67	244.34	71.72	23.16

		41	2.15	19.33	-36.50	19.30	-36.47	-1.28	246.98	78.76	245.37	80.36	16.35
529	15	40	2.08	-17.64	-32.98	-17.65	-32.98	-0.13	62.68	-346.81	-322.87	38.73	96.08
		50	2.14	-17.55	-32.21	-17.55	-32.21	-0.13	66.09	-364.72	-324.42	25.80	125.44
		51	1.81	-9.29	-31.22	-9.29	-31.22	-0.13	89.13	-233.77	-186.93	42.29	113.72
		41	1.76	-9.38	-31.99	-9.38	-31.99	-0.13	81.86	-212.00	-185.38	55.23	84.35
530	4	41	3.88	39.38	-31.95	39.34	-31.91	-1.83	541.67	144.27	538.57	147.36	-34.94
		51	3.90	39.55	-30.59	39.50	-30.54	-1.83	542.69	129.46	537.10	135.05	-47.75
		52	3.52	34.77	-31.17	34.72	-31.12	-1.83	486.78	118.19	477.11	127.86	-58.91
		42	3.49	34.60	-32.53	34.55	-32.48	-1.83	484.76	134.00	478.59	140.17	-46.10
530	6	41	4.18	37.37	-15.88	5.61	15.89	26.13	50.01	-689.40	-667.00	27.61	126.72
		51	4.34	35.27	-17.50	5.21	12.57	26.13	51.09	-710.82	-669.18	9.45	173.19
		52	3.49	36.86	-15.60	8.33	12.94	26.13	81.62	-497.71	-451.64	35.56	156.73
		42	3.28	38.89	-13.91	8.72	16.26	26.13	76.82	-472.57	-449.46	53.72	110.26
530	14	41	1.94	20.06	-30.40	20.04	-30.37	-1.19	251.16	122.78	250.54	123.40	8.87
		51	1.96	20.20	-29.26	20.17	-29.23	-1.19	249.51	108.47	248.83	109.15	9.80
		52	1.97	19.62	-29.33	19.59	-29.30	-1.19	253.26	109.61	253.19	109.67	-3.11
		42	1.95	19.48	-30.47	19.46	-30.44	-1.19	255.02	123.80	254.90	123.92	-4.04
530	15	41	1.76	-8.91	-28.07	-8.91	-28.07	-0.22	106.75	-200.81	-181.51	87.45	74.59
		51	1.76	-8.81	-27.26	-8.82	-27.25	-0.22	102.59	-215.87	-183.57	70.30	96.13
		52	1.52	-3.09	-26.57	-3.09	-26.57	-0.22	115.21	-115.51	-82.70	82.40	80.58
		42	1.53	-3.19	-27.38	-3.19	-27.38	-0.22	117.18	-98.26	-80.64	99.56	59.04
531	1	310	13.55	-46.16	-134.00	-49.21	-130.95	-16.08	2186.72	147.83	148.09	2186.47	22.76
		311	10.56	-41.16	-104.71	-45.53	-100.33	-16.08	1723.77	92.24	92.53	1723.48	-21.61
		53	11.51	-14.43	-100.11	-17.56	-96.98	-16.08	1800.21	-216.87	-115.22	1698.55	-441.27
		43	14.31	-18.86	-129.97	-21.24	-127.59	-16.08	2230.33	-128.45	-59.66	2161.54	-396.89
531	12	310	36.68	-169.64	-528.34	-210.58	-487.40	114.06	4987.47	301.79	585.57	4703.68	-1117.67
		311	38.05	-168.69	-524.49	-210.07	-483.11	114.06	5320.73	364.58	628.01	5057.30	-1111.84
		53	39.04	93.69	-473.48	69.74	-449.53	114.06	5198.41	517.44	655.28	5060.58	-791.32
		43	37.62	93.01	-477.62	69.22	-453.82	114.06	4856.69	463.11	612.84	4706.96	-797.15
531	13	310	10.42	-35.51	-103.07	-37.85	-100.73	-12.37	1682.09	113.72	113.91	1681.90	17.51
		311	8.12	-31.66	-80.54	-35.03	-77.18	-12.37	1325.97	70.96	71.18	1325.75	-16.63
		53	8.85	-11.10	-77.01	-13.51	-74.60	-12.37	1384.78	-166.83	-88.63	1306.58	-339.44
		43	11.01	-14.51	-99.98	-16.34	-98.15	-12.37	1715.64	-98.81	-45.89	1662.72	-305.30
531	15	310	10.42	-35.51	-103.07	-37.85	-100.73	-12.37	1682.09	113.72	113.91	1681.90	17.51
		311	8.12	-31.66	-80.54	-35.03	-77.18	-12.37	1325.97	70.96	71.18	1325.75	-16.63
		53	8.85	-11.10	-77.01	-13.51	-74.60	-12.37	1384.78	-166.83	-88.63	1306.58	-339.44
		43	11.01	-14.51	-99.98	-16.34	-98.15	-12.37	1715.64	-98.81	-45.89	1662.72	-305.30
532	2	43	8.89	37.67	-111.19	35.53	-109.06	-17.70	1126.45	142.44	164.21	1104.68	144.73
		53	8.17	41.52	-83.12	38.95	-80.55	-17.70	1125.05	131.93	162.93	1094.04	172.72
		54	7.90	40.44	-83.27	37.85	-80.68	-17.70	1141.15	262.56	293.95	1109.77	163.07
		44	8.63	36.58	-111.34	34.43	-109.19	-17.70	1141.96	273.67	295.22	1120.41	135.09
532	8	43	24.49	19.47	-478.12	4.95	-463.59	-83.76	2307.99	-44.73	-5.14	2268.40	-302.62
		53	23.61	30.24	-408.09	13.60	-391.45	-83.76	2548.47	-24.43	22.80	2501.23	-345.39
		54	24.86	84.33	-399.72	69.38	-384.76	-83.76	2483.99	-184.21	-177.43	2477.21	-134.35
		44	25.75	73.94	-470.12	60.72	-456.90	-83.76	2247.79	-208.79	-205.37	2244.37	-91.58
532	14	43	5.80	20.08	-86.04	18.08	-84.05	-14.40	651.80	43.16	43.21	651.75	5.33
		53	5.32	22.88	-66.37	20.49	-63.98	-14.40	658.99	43.63	44.03	658.59	15.67
		54	5.18	18.60	-67.00	16.10	-64.51	-14.40	665.23	91.64	92.47	664.40	21.87
		44	5.67	15.76	-86.65	13.70	-84.58	-14.40	657.80	91.42	91.65	657.56	11.52
532	16	43	5.42	16.59	-86.27	14.44	-84.11	-14.72	576.10	8.12	10.47	573.75	-36.43
		53	4.97	19.33	-67.35	16.76	-64.78	-14.72	588.11	10.38	12.00	586.50	-30.49
		54	4.85	13.71	-68.20	10.98	-65.47	-14.72	590.49	39.17	39.82	589.84	-18.93
		44	5.31	10.92	-87.07	8.66	-84.81	-14.72	578.23	37.15	38.29	577.09	-24.88
533	1	44	6.27	-34.24	-97.17	-38.74	-92.68	-16.22	-256.84	-940.87	-570.04	-627.67	-340.80
		54	5.84	-33.44	-93.19	-38.23	-88.40	-16.22	-164.27	-871.82	-552.73	-483.36	-352.07
		55	5.57	-55.14	-98.57	-62.41	-91.30	-16.22	-318.87	-776.31	-605.50	-489.69	-221.27
		45	6.00	-56.23	-102.26	-62.92	-95.58	-16.22	-418.33	-838.48	-622.81	-634.00	-210.00
533	8	44	21.38	85.53	-364.77	73.25	-352.48	-73.36	1830.07	-261.92	-255.82	1823.97	112.80
		54	21.31	93.25	-313.55	79.56	-299.86	-73.36	2109.39	-231.83	-222.67	2100.22	146.19
		55	21.24	70.34	-317.13	55.91	-302.70	-73.36	2188.72	-136.09	-66.35	2118.98	396.58
		45	21.28	62.48	-368.20	49.59	-355.32	-73.36	1908.42	-165.20	-99.50	1842.73	363.19
533	13	44	4.82	-26.34	-74.75	-29.80	-71.29	-12.47	-197.57	-723.75	-438.49	-482.82	-262.15
		54	4.50	-25.73	-71.68	-29.41	-68.00	-12.47	-126.36	-670.63	-425.17	-371.82	-270.82
		55	4.28	-42.41	-75.83	-48.00	-70.23	-12.47	-245.29	-597.17	-465.77	-376.69	-170.21
		45	4.61	-43.26	-78.66	-48.40	-73.52	-12.47	-321.79	-644.98	-479.09	-487.69	-161.54
533	15	44	4.82	-26.34	-74.75	-29.80	-71.29	-12.47	-197.57	-723.75	-438.49	-482.82	-262.15
		54	4.50	-25.73	-71.68	-29.41	-68.00	-12.47	-126.36	-670.63	-425.17	-371.82	-270.82
		55	4.28	-42.41	-75.83	-48.00	-70.23	-12.47	-245.29	-597.17	-465.77	-376.69	-170.21
		45	4.61	-43.26	-78.66	-48.40	-73.52	-12.47	-321.79	-644.98	-479.09	-487.69	-161.54
534	1	45	5.04	-58.44	-83.49	-61.14	-80.79	-7.77	-473.24	-690.43	-612.83	-550.83	-104.08
		55	4.79	-59.03	-86.07	-61.48	-83.61	-7.77	-397.20	-646.69	-600.00	-443.89	-97.31
		56	4.68	-65.46	-87.65	-68.63	-84.47	-7.77	-440.09	-568.30	-568.30	-440.09	-0.37
		46	4.93	-64.73	-85.22	-68.29	-81.65	-7.77	-545.59	-582.57	-581.13	-547.03	-7.15
534	8	45	16.00	63.73	-282.96	58.86	-278.09	-40.80	1259.68	-333.67	-187.06	1113.07	460.55
		55	15.66	66.34	-263.57	61.22	-258.44	-40.80	1279.35	-377.15	-189.61	1091.82	524.86
		56	14.54	28.66	-268.74	22.96	-263.03	-40.80	1336.61	-97.14	111.52	1127.95	505.60
		46	14.88	25.99	-288.07	20.60	-282.68	-40.80	1311.79	-48.51	114.07	1149.21	441.28

534	13	45	3.88	-44.96	-64.22	-47.03	-62.15	-5.98	-364.03	-531.10	-471.41	-423.72	-80.06
		55	3.68	-45.41	-66.21	-47.29	-64.32	-5.98	-305.54	-497.45	-461.54	-341.45	-74.85
		56	3.60	-50.35	-67.42	-52.79	-64.98	-5.98	-338.53	-437.15	-437.15	-338.53	-0.29
		46	3.79	-49.79	-65.55	-52.53	-62.81	-5.98	-419.69	-448.13	-447.02	-420.79	-5.50
534	15	45	3.88	-44.96	-64.22	-47.03	-62.15	-5.98	-364.03	-531.10	-471.41	-423.72	-80.06
		55	3.68	-45.41	-66.21	-47.29	-64.32	-5.98	-305.54	-497.45	-461.54	-341.45	-74.85
		56	3.60	-50.35	-67.42	-52.79	-64.98	-5.98	-338.53	-437.15	-437.15	-338.53	-0.29
		46	3.79	-49.79	-65.55	-52.53	-62.81	-5.98	-419.69	-448.13	-447.02	-420.79	-5.50
535	4	46	4.39	24.61	-66.71	24.60	-66.70	1.03	403.83	-102.23	401.21	-99.61	-36.28
		56	4.67	23.91	-72.58	23.90	-72.57	1.03	402.27	-141.78	396.81	-136.32	-54.24
		57	4.47	27.41	-72.16	27.40	-72.15	1.03	328.87	-162.52	312.76	-146.41	-87.51
		47	4.18	28.11	-66.29	28.10	-66.28	1.03	328.21	-120.75	317.16	-109.70	-69.56
535	12	46	11.11	26.19	-253.13	-16.39	-210.55	100.40	458.69	-446.04	207.49	-194.84	405.18
		56	12.71	11.03	-310.58	-24.17	-275.39	100.40	371.55	-554.56	186.53	-369.54	370.29
		57	11.70	15.03	-309.63	-19.74	-274.85	100.40	112.70	-478.65	23.19	-389.14	211.94
		47	9.94	30.03	-252.01	-11.96	-210.02	100.40	193.50	-363.79	44.16	-214.44	246.83
535	13	46	3.26	-50.31	-56.55	-51.63	-55.24	-2.54	-232.88	-440.30	-426.17	-247.01	52.27
		56	3.21	-51.00	-58.82	-51.94	-57.88	-2.54	-175.91	-437.32	-419.75	-193.49	65.47
		57	3.00	-47.15	-58.02	-47.78	-57.38	-2.54	-129.26	-414.75	-357.94	-186.08	113.98
		47	3.05	-46.67	-55.54	-47.47	-54.74	-2.54	-183.45	-420.50	-364.36	-239.59	100.78
535	15	46	3.26	-50.31	-56.55	-51.63	-55.24	-2.54	-232.88	-440.30	-426.17	-247.01	52.27
		56	3.21	-51.00	-58.82	-51.94	-57.88	-2.54	-175.91	-437.32	-419.75	-193.49	65.47
		57	3.00	-47.15	-58.02	-47.78	-57.38	-2.54	-129.26	-414.75	-357.94	-186.08	113.98
		47	3.05	-46.67	-55.54	-47.47	-54.74	-2.54	-183.45	-420.50	-364.36	-239.59	100.78
536	4	47	4.14	28.64	-61.96	28.62	-61.95	-1.17	331.87	-128.92	316.68	-113.73	-82.26
		57	4.20	28.21	-65.54	28.19	-65.53	-1.17	339.08	-125.88	317.78	-104.58	-97.22
		58	4.04	33.00	-64.97	32.99	-64.95	-1.17	268.46	-133.71	247.73	-112.98	-88.93
		48	3.97	33.43	-61.39	33.42	-61.37	-1.17	260.91	-136.42	246.63	-122.14	-73.96
536	12	47	8.28	33.26	-221.15	-8.30	-179.58	94.06	115.16	-225.98	50.53	-161.35	133.68
		57	9.45	20.87	-265.41	-14.38	-230.17	94.06	85.95	-268.00	42.90	-224.95	115.70
		58	9.11	27.82	-263.66	-6.59	-229.24	94.06	-25.24	-251.12	-41.31	-235.06	58.05
		48	7.90	39.95	-219.12	-0.52	-178.65	94.06	0.04	-205.17	-33.67	-171.46	76.04
536	13	47	2.87	-45.99	-49.71	-46.77	-48.93	-1.51	-46.59	-407.75	-348.33	-106.01	133.90
		57	2.91	-46.30	-50.66	-46.90	-50.05	-1.51	-13.86	-413.88	-345.48	-82.26	150.61
		58	2.57	-38.45	-49.28	-38.66	-49.06	-1.51	27.62	-367.75	-267.26	-72.87	172.14
		48	2.52	-38.29	-48.18	-38.53	-47.94	-1.51	-5.37	-361.37	-270.11	-96.62	155.43
536	15	47	2.87	-45.99	-49.71	-46.77	-48.93	-1.51	-46.59	-407.75	-348.33	-106.01	133.90
		57	2.91	-46.30	-50.66	-46.90	-50.05	-1.51	-13.86	-413.88	-345.48	-82.26	150.61
		58	2.57	-38.45	-49.28	-38.66	-49.06	-1.51	27.62	-367.75	-267.26	-72.87	172.14
		48	2.52	-38.29	-48.18	-38.53	-47.94	-1.51	-5.37	-361.37	-270.11	-96.62	155.43
537	4	48	3.60	34.39	-54.52	34.26	-54.39	-3.43	267.40	-71.53	254.28	-58.40	-65.40
		58	3.56	34.37	-54.64	34.24	-54.51	-3.43	273.56	-58.94	256.28	-41.67	-73.80
		59	3.45	37.26	-54.29	37.13	-54.16	-3.43	229.42	-58.85	216.96	-46.38	-58.63
		49	3.49	37.28	-54.17	37.15	-54.04	-3.43	223.74	-71.91	214.95	-63.12	-50.23
537	12	48	6.13	39.49	-179.67	3.65	-143.84	81.05	-6.68e-03	-74.92	-19.72	-55.20	32.99
		58	6.84	31.28	-208.33	-0.30	-176.75	81.05	-5.02	-84.84	-21.32	-68.54	32.18
		59	6.81	35.18	-207.30	4.10	-176.22	81.05	-17.30	-76.80	-25.11	-68.99	20.09
		49	6.09	43.26	-178.52	8.05	-143.31	81.05	-13.22	-65.95	-23.51	-55.65	20.90
537	13	48	2.47	-37.70	-43.16	-37.93	-42.93	-1.09	59.93	-348.96	-261.79	-27.24	167.46
		58	2.55	-37.67	-42.98	-37.90	-42.75	-1.09	75.63	-361.56	-261.46	-24.48	183.70
		59	2.17	-28.25	-41.69	-28.34	-41.60	-1.09	104.30	-305.12	-185.46	-15.36	186.20
		49	2.08	-28.27	-41.87	-28.36	-41.79	-1.09	87.56	-291.48	-185.80	-18.12	169.97
537	15	48	2.47	-37.70	-43.16	-37.93	-42.93	-1.09	59.93	-348.96	-261.79	-27.24	167.46
		58	2.55	-37.67	-42.98	-37.90	-42.75	-1.09	75.63	-361.56	-261.46	-24.48	183.70
		59	2.17	-28.25	-41.69	-28.34	-41.60	-1.09	104.30	-305.12	-185.46	-15.36	186.20
		49	2.08	-28.27	-41.87	-28.36	-41.79	-1.09	87.56	-291.48	-185.80	-18.12	169.97
538	4	49	3.10	38.31	-46.12	38.12	-45.93	-4.01	230.18	-7.16	222.58	0.45	-41.80
		59	3.05	38.55	-44.20	38.35	-44.01	-4.01	232.79	-2.55	223.35	6.89	-46.18
		60	2.98	39.22	-44.12	39.02	-43.93	-4.01	210.77	-3.45	202.88	4.44	-40.34
		50	3.03	38.98	-46.04	38.79	-45.85	-4.01	208.26	-8.16	202.11	-2.01	-35.96
538	11	49	5.90	60.45	-107.47	-28.68	-18.34	-83.80	685.95	104.54	681.84	108.66	48.74
		59	5.93	73.32	-96.74	-26.15	2.73	-83.80	683.47	97.55	680.82	100.20	39.29
		60	5.58	78.35	-90.43	-16.02	3.95	-83.80	638.44	93.05	636.60	94.89	31.62
		50	5.56	65.96	-101.64	-18.55	-17.13	-83.80	640.75	100.21	637.62	103.35	41.07
538	13	49	2.02	-27.79	-37.42	-27.83	-37.37	-0.65	111.94	-277.75	-181.71	15.90	167.93
		59	2.11	-27.67	-36.46	-27.72	-36.41	-0.65	117.43	-293.56	-182.82	6.69	182.34
		60	1.87	-18.15	-35.29	-18.18	-35.26	-0.65	135.48	-236.05	-115.35	14.79	174.00
		50	1.81	-18.27	-36.25	-18.29	-36.23	-0.65	128.79	-219.04	-114.25	24.00	159.59
538	15	49	2.02	-27.79	-37.42	-27.83	-37.37	-0.65	111.94	-277.75	-181.71	15.90	167.93
		59	2.11	-27.67	-36.46	-27.72	-36.41	-0.65	117.43	-293.56	-182.82	6.69	182.34
		60	1.87	-18.15	-35.29	-18.18	-35.26	-0.65	135.48	-236.05	-115.35	14.79	174.00
		50	1.81	-18.27	-36.25	-18.29	-36.23	-0.65	128.79	-219.04	-114.25	24.00	159.59
539	4	50	2.71	39.90	-38.06	39.75	-37.90	-3.49	216.97	44.24	208.65	52.56	-36.98
		60	2.69	40.22	-35.47	40.06	-35.31	-3.49	217.11	35.91	207.78	45.24	-40.05
		61	2.61	38.62	-35.67	38.45	-35.50	-3.49	206.75	30.17	193.41	43.52	-46.68
		51	2.62	38.30	-38.25	38.14	-38.09	-3.49	206.50	38.62	194.29	50.83	-43.61
539	6	50	4.81	48.37	-25.55	3.72	19.10	36.15	-77.22	-766.37	-691.12	-152.46	214.92

		60	5.01	45.87	-27.41	3.26	15.20	36.15	-47.58	-784.53	-689.89	-142.21	246.55
		61	4.61	48.16	-24.57	7.85	15.75	36.15	-2.98	-663.31	-541.84	-124.45	255.84
		51	4.39	50.57	-22.61	8.31	19.65	36.15	-35.63	-642.15	-543.07	-134.70	224.22
539	13	50	1.74	-17.81	-32.25	-17.82	-32.24	-0.29	139.42	-198.97	-110.96	51.41	148.45
		60	1.74	-17.64	-30.87	-17.65	-30.87	-0.29	136.42	-216.31	-113.14	33.24	160.46
		61	1.63	-9.22	-29.86	-9.22	-29.86	-0.29	143.48	-160.37	-56.89	39.99	144.00
		51	1.63	-9.38	-31.23	-9.39	-31.23	-0.29	145.27	-141.81	-54.71	58.16	131.98
539	15	50	1.74	-17.81	-32.25	-17.82	-32.24	-0.29	139.42	-198.97	-110.96	51.41	148.45
		60	1.74	-17.64	-30.87	-17.65	-30.87	-0.29	136.42	-216.31	-113.14	33.24	160.46
		61	1.63	-9.22	-29.86	-9.22	-29.86	-0.29	143.48	-160.37	-56.89	39.99	144.00
		51	1.63	-9.38	-31.23	-9.39	-31.23	-0.29	145.27	-141.81	-54.71	58.16	131.98
540	4	51	2.40	39.16	-30.72	39.04	-30.60	-2.93	222.46	71.62	199.53	94.55	-54.15
		61	2.42	39.46	-28.31	39.33	-28.18	-2.93	221.30	53.24	197.44	77.11	-58.66
		62	2.26	34.88	-28.87	34.75	-28.73	-2.93	215.65	35.27	176.34	74.57	-74.46
		52	2.24	34.59	-31.28	34.46	-31.15	-2.93	217.45	53.00	178.44	92.01	-69.96
540	6	51	4.30	41.71	-21.37	7.50	12.84	31.43	101.84	-598.61	-523.68	26.91	216.49
		61	4.46	39.86	-23.05	7.12	9.69	31.43	100.07	-626.67	-526.88	0.27	250.13
		62	3.88	41.65	-21.21	10.36	10.08	31.43	122.92	-473.11	-369.37	19.18	225.99
		52	3.69	43.44	-19.47	10.74	13.23	31.43	121.65	-442.02	-366.18	45.81	192.35
540	13	51	1.55	-8.90	-27.27	-8.91	-27.27	-0.36	150.88	-116.06	-51.35	86.16	114.40
		61	1.49	-8.73	-25.81	-8.73	-25.80	-0.36	139.47	-132.15	-54.29	61.62	122.82
		62	1.35	-2.83	-25.10	-2.84	-25.09	-0.36	134.20	-82.72	-14.87	66.35	100.57
		52	1.43	-3.01	-26.56	-3.01	-26.56	-0.36	145.01	-66.03	-11.92	90.90	92.15
540	15	51	1.55	-8.90	-27.27	-8.91	-27.27	-0.36	150.88	-116.06	-51.35	86.16	114.40
		61	1.49	-8.73	-25.81	-8.73	-25.80	-0.36	139.47	-132.15	-54.29	61.62	122.82
		62	1.35	-2.83	-25.10	-2.84	-25.09	-0.36	134.20	-82.72	-14.87	66.35	100.57
		52	1.43	-3.01	-26.56	-3.01	-26.56	-0.36	145.01	-66.03	-11.92	90.90	92.15
541	2	311	11.80	-35.10	-95.31	-38.24	-92.17	-13.38	1905.47	-97.19	58.63	1749.64	536.46
		312	8.52	-14.72	-41.80	-30.32	-26.20	-13.38	1508.76	-170.20	8.31	1330.26	517.54
		63	8.12	46.84	-20.06	44.05	-17.27	-13.38	1332.98	-93.63	-80.27	1319.63	137.40
		53	11.70	37.61	-84.73	36.13	-83.24	-13.38	1752.72	-43.65	-29.94	1739.02	156.32
541	12	311	35.46	-186.39	-485.84	-191.37	-480.86	38.29	5104.04	605.26	649.43	5059.87	-443.58
		312	29.07	-163.53	-333.81	-172.63	-324.71	38.29	4603.30	532.58	587.99	4547.89	-471.70
		63	32.25	91.41	-297.29	87.60	-293.48	38.29	4736.67	251.77	456.34	4532.09	-935.76
		53	38.49	71.67	-452.45	68.86	-449.63	38.29	5219.30	342.56	517.78	5044.08	-907.64
541	14	311	8.76	-26.92	-74.67	-29.45	-72.14	-10.70	1419.73	-17.10	60.07	1342.56	323.92
		312	6.12	-13.20	-34.61	-23.69	-24.12	-10.70	1089.59	-70.79	18.94	999.86	309.95
		63	5.92	26.73	-20.91	24.19	-18.37	-10.70	992.01	-46.44	-46.44	992.01	-0.67
		53	8.75	19.76	-67.72	18.43	-66.39	-10.70	1334.85	-5.45	-5.32	1334.71	13.29
541	16	311	8.66	-26.89	-75.20	-29.47	-72.62	-10.86	1403.67	3.54	65.96	1341.25	288.96
		312	5.97	-13.86	-35.66	-23.83	-25.68	-10.86	1063.50	-48.98	23.89	990.63	275.23
		63	5.83	23.09	-23.09	20.38	-20.38	-10.86	984.68	-42.18	-40.41	982.92	-42.57
		53	8.67	16.15	-68.73	14.74	-67.32	-10.86	1334.16	1.04	1.66	1333.54	-28.84
542	2	53	8.68	38.56	-83.00	36.42	-80.86	-15.98	1082.47	-132.62	-111.29	1061.14	159.58
		63	7.75	45.19	-37.66	41.99	-34.46	-15.98	1130.19	-130.78	-105.98	1105.39	175.09
		64	7.59	38.92	-38.68	35.48	-35.24	-15.98	1153.14	-72.40	-33.37	1114.11	215.21
		54	8.52	32.16	-83.88	29.91	-81.64	-15.98	1104.73	-73.56	-38.68	1069.85	199.70
542	12	53	24.90	85.60	-347.20	81.63	-343.23	41.26	2878.66	73.82	238.21	2714.28	-658.82
		63	26.29	96.54	-263.64	91.75	-258.85	41.26	3658.08	215.18	336.86	3536.41	-635.71
		64	24.60	56.79	-268.99	51.48	-263.68	41.26	3553.25	441.22	445.08	3549.39	109.46
		54	23.09	45.68	-352.39	41.35	-348.06	41.26	2730.39	343.29	346.42	2727.27	86.35
542	14	53	5.57	20.74	-66.24	18.69	-64.20	-13.17	642.71	-88.36	-88.36	642.70	1.97
		63	5.00	25.48	-35.54	22.49	-32.55	-13.17	694.11	-82.72	-82.25	693.64	19.12
		64	4.78	17.69	-36.92	14.31	-33.53	-13.17	709.26	-7.96	-1.97	703.27	65.28
		54	5.34	12.74	-67.41	10.51	-65.18	-13.17	655.82	-11.57	-8.08	652.33	48.14
542	16	53	5.17	17.25	-67.21	15.02	-64.98	-13.52	577.45	-92.56	-89.44	574.33	-45.61
		63	4.65	21.85	-38.15	18.63	-34.93	-13.52	632.89	-83.51	-82.53	631.92	-26.41
		64	4.39	12.92	-39.80	9.19	-36.06	-13.52	643.75	6.32	7.37	642.71	25.79
		54	4.89	8.05	-68.58	5.58	-66.12	-13.52	585.19	0.38	0.46	585.12	6.58
543	4	54	5.59	39.80	-62.26	39.74	-62.20	-2.45	545.20	-216.09	-130.80	459.91	240.12
		64	5.07	41.41	-48.91	41.34	-48.84	-2.45	491.59	-244.93	-139.63	386.29	257.82
		65	4.39	28.05	-50.52	27.97	-50.45	-2.45	466.08	-126.60	-56.75	396.24	191.09
		55	4.96	26.44	-63.87	26.37	-63.80	-2.45	522.55	-100.62	-47.92	469.85	173.39
543	8	54	21.19	77.97	-328.72	52.38	-303.12	-98.76	2110.19	-209.50	-202.01	2102.70	131.56
		64	20.78	94.42	-246.77	62.92	-215.27	-98.76	2495.28	-171.66	-156.70	2480.32	199.18
		65	21.00	72.73	-251.66	39.19	-218.12	-98.76	2636.69	41.55	159.92	2518.32	541.46
		55	21.31	55.62	-332.95	28.65	-305.97	-98.76	2246.03	9.27	114.61	2140.70	473.83
543	13	54	4.18	-29.61	-72.05	-33.19	-68.46	-11.81	157.74	-450.61	24.94	-317.80	-251.31
		64	3.58	-29.82	-73.06	-33.33	-69.55	-11.81	154.44	-327.51	37.77	-210.84	-206.44
		65	3.22	-45.57	-77.00	-50.91	-71.66	-11.81	273.92	-211.72	247.83	-185.63	-109.49
		55	3.81	-45.27	-76.08	-50.78	-70.57	-11.81	276.84	-334.44	235.00	-292.59	-154.36
543	15	54	4.18	-29.61	-72.05	-33.19	-68.46	-11.81	157.74	-450.61	24.94	-317.80	-251.31
		64	3.58	-29.82	-73.06	-33.33	-69.55	-11.81	154.44	-327.51	37.77	-210.84	-206.44
		65	3.22	-45.57	-77.00	-50.91	-71.66	-11.81	273.92	-211.72	247.83	-185.63	-109.49
		55	3.81	-45.27	-76.08	-50.78	-70.57	-11.81	276.84	-334.44	235.00	-292.59	-154.36
544	1	55	4.03	-61.71	-87.43	-65.10	-84.05	-8.70	319.98	-343.56	311.00	-334.57	-76.70
		65	3.79	-63.69	-96.04	-66.23	-93.50	-8.70	327.11	-242.69	322.57	-238.14	-50.69

		66	3.87	-67.73	-96.91	-70.60	-94.03	-8.70	446.34	-225.54	444.33	-223.53	36.71
		56	4.07	-65.50	-88.54	-69.47	-84.57	-8.70	432.91	-320.11	432.76	-319.96	10.70
544	10	55	14.97	42.97	-289.70	-35.43	-211.29	141.20	424.31	-1031.56	296.86	-904.11	411.47
		65	18.01	8.26	-391.74	-50.09	-333.39	141.20	346.18	-1219.94	268.30	-1142.06	340.45
		66	16.63	12.34	-390.59	-45.42	-332.83	141.20	-50.45	-1195.72	-64.21	-1181.96	124.77
		56	13.34	46.68	-288.18	-30.77	-210.73	141.20	4.75	-984.42	-35.65	-944.01	195.79
544	13	55	3.10	-47.47	-67.26	-50.07	-64.65	-6.69	246.14	-264.28	239.23	-257.36	-59.00
		65	2.92	-48.99	-73.88	-50.95	-71.93	-6.69	251.63	-186.68	248.13	-183.19	-39.00
		66	2.97	-52.10	-74.54	-54.31	-72.33	-6.69	343.34	-173.49	341.79	-171.95	28.24
		56	3.13	-50.38	-68.11	-53.44	-65.05	-6.69	333.01	-246.24	332.89	-246.12	8.23
544	15	55	3.10	-47.47	-67.26	-50.07	-64.65	-6.69	246.14	-264.28	239.23	-257.36	-59.00
		65	2.92	-48.99	-73.88	-50.95	-71.93	-6.69	251.63	-186.68	248.13	-183.19	-39.00
		66	2.97	-52.10	-74.54	-54.31	-72.33	-6.69	343.34	-173.49	341.79	-171.95	28.24
		56	3.13	-50.38	-68.11	-53.44	-65.05	-6.69	333.01	-246.24	332.89	-246.12	8.23
545	2	56	3.64	9.94	-89.74	9.94	-89.74	0.06	-93.56	-258.19	-111.50	-240.26	-51.30
		66	4.09	8.35	-102.99	8.35	-102.99	0.06	-85.31	-285.09	-113.50	-256.90	-69.55
		67	4.04	14.54	-102.25	14.54	-102.25	0.06	-141.80	-324.30	-198.94	-267.15	-84.64
		57	3.59	16.13	-89.00	16.13	-89.00	0.06	-152.14	-295.31	-196.94	-250.51	-66.39
545	12	56	11.91	10.32	-299.50	-14.91	-274.27	84.73	259.32	-534.86	103.91	-379.46	315.07
		66	14.18	-4.45	-377.25	-24.82	-356.88	84.73	180.48	-626.61	85.63	-531.76	259.91
		67	13.38	3.19	-375.91	-16.80	-355.92	84.73	-137.67	-597.69	-172.61	-562.75	121.87
		57	10.97	17.78	-297.97	-6.88	-273.31	84.73	-63.90	-500.88	-154.33	-410.44	177.03
545	13	56	2.95	-50.14	-60.41	-52.59	-57.96	-4.38	362.11	-112.91	350.29	-101.09	73.99
		66	2.96	-51.31	-63.90	-53.08	-62.13	-4.38	370.42	-64.68	356.35	-50.61	76.96
		67	3.04	-47.14	-62.90	-48.47	-61.57	-4.38	403.55	-82.22	370.27	-48.94	122.72
		57	3.03	-46.26	-59.12	-47.97	-57.41	-4.38	393.31	-128.52	364.21	-99.42	119.74
545	15	56	2.95	-50.14	-60.41	-52.59	-57.96	-4.38	362.11	-112.91	350.29	-101.09	73.99
		66	2.96	-51.31	-63.90	-53.08	-62.13	-4.38	370.42	-64.68	356.35	-50.61	76.96
		67	3.04	-47.14	-62.90	-48.47	-61.57	-4.38	403.55	-82.22	370.27	-48.94	122.72
		57	3.03	-46.26	-59.12	-47.97	-57.41	-4.38	393.31	-128.52	364.21	-99.42	119.74
546	1	57	4.08	-58.60	-67.71	-61.22	-65.09	-4.12	563.73	-68.34	489.67	5.72	203.29
		67	4.05	-59.06	-68.72	-61.38	-66.41	-4.12	562.42	-38.99	492.67	30.76	192.57
		68	3.74	-49.69	-66.24	-50.79	-65.14	-4.12	533.56	-66.33	442.49	24.74	215.27
		58	3.77	-49.45	-65.01	-50.63	-63.82	-4.12	534.91	-95.72	439.49	-0.30	225.98
546	12	57	8.49	18.23	-248.38	-1.52	-228.63	69.82	-92.26	-288.63	-134.63	-246.25	80.78
		67	9.80	9.11	-297.23	-7.73	-280.39	69.82	-118.56	-300.53	-138.72	-280.36	57.12
		68	9.59	13.72	-296.42	-2.89	-279.81	69.82	-237.30	-305.84	-249.49	-293.65	26.21
		58	8.26	22.76	-247.48	3.32	-228.05	69.82	-202.10	-302.83	-245.39	-259.55	49.87
546	13	57	3.14	-45.08	-52.09	-47.09	-50.07	-3.17	433.64	-52.57	376.67	4.40	156.38
		67	3.12	-45.43	-52.86	-47.21	-51.08	-3.17	432.63	-29.99	378.98	23.66	148.13
		68	2.88	-38.22	-50.95	-39.07	-50.11	-3.17	410.43	-51.03	340.38	19.03	165.59
		58	2.90	-38.04	-50.00	-38.95	-49.10	-3.17	411.47	-73.63	338.07	-0.23	173.83
546	15	57	3.14	-45.08	-52.09	-47.09	-50.07	-3.17	433.64	-52.57	376.67	4.40	156.38
		67	3.12	-45.43	-52.86	-47.21	-51.08	-3.17	432.63	-29.99	378.98	23.66	148.13
		68	2.88	-38.22	-50.95	-39.07	-50.11	-3.17	410.43	-51.03	340.38	19.03	165.59
		58	2.90	-38.04	-50.00	-38.95	-49.10	-3.17	411.47	-73.63	338.07	-0.23	173.83
547	1	58	3.82	-48.48	-56.78	-49.64	-55.62	-2.88	563.10	-53.44	447.04	62.61	241.01
		68	3.72	-48.27	-56.04	-49.54	-54.77	-2.88	548.08	-38.75	447.00	62.32	221.58
		69	3.18	-36.82	-53.81	-37.33	-53.30	-2.88	472.39	-64.94	356.04	51.41	221.32
		59	3.30	-36.95	-54.64	-37.43	-54.15	-2.88	488.70	-80.93	356.08	51.70	240.75
547	9	58	7.11	108.40	-73.76	-44.24	78.88	-67.13	767.89	123.08	761.60	129.37	63.34
		68	7.42	131.87	-67.08	-41.01	105.80	-67.13	766.63	134.46	762.69	138.40	49.77
		69	7.04	134.11	-58.84	-31.66	106.93	-67.13	705.00	124.93	699.15	130.78	57.95
		59	6.73	110.91	-65.80	-34.89	80.00	-67.13	706.81	113.00	698.06	121.74	71.52
547	13	58	2.93	-37.29	-43.68	-38.19	-42.78	-2.22	433.15	-41.11	343.88	48.16	185.39
		68	2.86	-37.13	-43.11	-38.11	-42.13	-2.22	421.60	-29.81	343.85	47.94	170.45
		69	2.45	-28.33	-41.39	-28.71	-41.00	-2.22	363.38	-49.96	273.88	39.55	170.24
		59	2.54	-28.42	-42.03	-28.79	-41.66	-2.22	375.93	-62.25	273.90	39.77	185.19
547	15	58	2.93	-37.29	-43.68	-38.19	-42.78	-2.22	433.15	-41.11	343.88	48.16	185.39
		68	2.86	-37.13	-43.11	-38.11	-42.13	-2.22	421.60	-29.81	343.85	47.94	170.45
		69	2.45	-28.33	-41.39	-28.71	-41.00	-2.22	363.38	-49.96	273.88	39.55	170.24
		59	2.54	-28.42	-42.03	-28.79	-41.66	-2.22	375.93	-62.25	273.90	39.77	185.19
548	4	59	3.35	38.61	-44.53	38.11	-44.03	-6.42	-52.37	-349.67	-341.19	-60.85	-49.49
		69	3.32	39.04	-41.15	38.52	-40.64	-6.42	-43.26	-348.51	-340.09	-51.68	-50.00
		70	3.32	38.99	-41.16	38.47	-40.64	-6.42	-46.10	-348.35	-342.48	-51.97	-41.69
		60	3.35	38.56	-44.54	38.06	-44.04	-6.42	-55.26	-349.46	-343.58	-61.14	-41.18
548	9	59	6.13	77.33	-66.88	-38.60	49.06	-57.25	704.91	86.90	695.06	96.74	77.38
		69	6.23	90.57	-62.47	-36.71	64.82	-57.25	698.96	85.32	694.26	90.02	53.50
		70	5.56	93.74	-52.79	-25.24	66.19	-57.25	586.85	72.20	582.44	76.61	47.41
		60	5.46	80.81	-57.50	-27.13	50.44	-57.25	593.21	73.36	583.25	83.33	71.29
548	13	59	2.48	-27.97	-36.66	-28.17	-36.46	-1.30	379.92	-41.55	276.55	61.81	181.33
		69	2.37	-27.75	-35.18	-27.99	-34.95	-1.30	362.36	-35.33	275.33	51.69	164.42
		70	1.94	-18.37	-33.92	-18.48	-33.81	-1.30	292.45	-54.11	196.15	42.19	155.24
		60	2.07	-18.56	-35.42	-18.66	-35.32	-1.30	311.65	-61.97	197.37	52.31	172.16
548	15	59	2.48	-27.97	-36.66	-28.17	-36.46	-1.30	379.92	-41.55	276.55	61.81	181.33
		69	2.37	-27.75	-35.18	-27.99	-34.95	-1.30	362.36	-35.33	275.33	51.69	164.42
		70	1.94	-18.37	-33.92	-18.48	-33.81	-1.30	292.45	-54.11	196.15	42.19	155.24

		60	2.07	-18.56	-35.42	-18.66	-35.32	-1.30	311.65	-61.97	197.37	52.31	172.16
549	4	60	3.33	39.43	-35.76	39.10	-35.43	-5.00	-15.16	-343.85	-338.68	-20.33	-40.89
		70	3.25	39.93	-31.78	39.58	-31.43	-5.00	-20.99	-343.81	-339.31	-25.50	-37.89
		71	3.15	38.44	-31.97	38.08	-31.61	-5.00	-17.91	-331.12	-325.22	-23.81	-42.57
		61	3.23	37.94	-35.95	37.60	-35.61	-5.00	-12.00	-331.25	-324.60	-18.64	-45.58
549	9	60	4.83	53.01	-55.91	-29.94	27.04	-46.41	591.13	74.63	583.16	82.61	63.68
		70	4.83	61.06	-52.72	-28.74	37.07	-46.41	583.75	65.56	581.40	67.91	34.81
		71	3.98	65.78	-41.09	-14.13	38.82	-46.41	447.43	50.53	446.26	51.69	21.49
		61	3.99	58.12	-44.66	-15.34	28.79	-46.41	454.56	59.86	448.03	66.39	50.35
549	14	60	1.89	16.41	-33.84	16.21	-33.63	-3.23	26.23	-133.50	-123.38	16.11	38.91
		70	1.78	16.81	-30.62	16.59	-30.40	-3.23	14.40	-133.21	-124.61	5.80	34.58
		71	1.89	19.38	-30.30	19.16	-30.09	-3.23	7.54	-149.10	-144.92	3.37	25.24
		61	2.00	18.98	-33.52	18.78	-33.32	-3.23	19.05	-149.06	-143.68	13.67	29.57
549	16	60	1.71	12.58	-33.51	12.39	-33.33	-2.94	43.06	-108.38	-87.49	22.18	52.21
		70	1.58	12.96	-30.43	12.76	-30.23	-2.94	29.43	-107.24	-88.83	11.02	46.65
		71	1.72	16.20	-30.02	16.01	-29.84	-2.94	17.95	-124.92	-114.87	7.90	36.54
		61	1.83	15.82	-33.11	15.64	-32.94	-2.94	31.30	-125.77	-113.53	19.06	42.10
550	4	61	3.22	38.70	-28.50	38.48	-28.28	-3.82	24.55	-330.17	-320.57	14.94	-57.56
		71	3.11	39.15	-24.81	38.92	-24.59	-3.82	5.76	-330.26	-322.59	-1.90	-50.17
		72	2.86	35.00	-25.33	34.76	-25.09	-3.82	16.32	-302.06	-287.99	2.25	-65.44
		62	2.98	34.54	-29.01	34.31	-28.78	-3.82	35.59	-302.46	-285.96	19.10	-72.83
550	6	61	4.34	45.99	-26.68	9.35	9.95	36.33	178.29	-452.88	-301.87	27.28	269.28
		71	4.39	44.38	-28.31	9.01	7.07	36.33	166.55	-471.68	-305.14	0.01	280.27
		72	4.10	46.58	-26.28	12.78	7.52	36.33	162.96	-410.42	-253.65	6.19	255.56
		62	4.04	48.12	-24.59	13.12	10.41	36.33	174.30	-391.22	-250.38	33.45	244.57
550	14	61	1.95	19.63	-27.43	19.50	-27.30	-2.48	43.53	-141.28	-140.23	42.47	13.91
		71	1.82	20.02	-24.29	19.88	-24.15	-2.48	23.52	-143.75	-142.64	22.41	13.63
		72	1.81	20.00	-24.30	19.86	-24.16	-2.48	22.37	-144.09	-143.96	22.25	-4.56
		62	1.94	19.61	-27.44	19.48	-27.30	-2.48	42.41	-141.65	-141.55	42.31	-4.27
550	16	61	1.77	16.45	-27.26	16.34	-27.14	-2.26	51.20	-114.30	-110.17	47.06	25.83
		71	1.63	16.83	-24.21	16.70	-24.08	-2.26	30.57	-116.75	-112.64	26.46	24.26
		72	1.65	17.50	-24.12	17.38	-24.00	-2.26	25.79	-120.17	-119.96	25.58	5.59
		62	1.79	17.13	-27.17	17.01	-27.06	-2.26	46.50	-117.80	-117.48	46.18	7.15
551	2	312	7.68	-16.10	-35.64	-26.05	-25.68	-9.77	1391.82	-127.03	-57.57	1322.35	317.30
		313	7.66	63.14	-16.75	-15.54	61.93	-9.77	1120.85	-139.53	-87.94	1069.25	249.74
		539	7.44	72.06	39.03	42.23	68.86	-9.77	1031.58	-404.56	-404.27	1031.29	20.33
		63	8.62	33.54	-20.57	31.72	-18.75	-9.77	1289.04	-378.55	-373.90	1284.39	87.89
551	12	312	28.60	-126.25	-320.02	-127.03	-319.24	-12.31	4564.16	689.67	693.30	4560.52	-118.60
		313	18.14	-33.89	-95.66	-93.10	-36.45	-12.31	3934.32	614.35	617.75	3930.92	-106.17
		539	19.77	65.31	-19.49	63.49	-17.66	-12.31	4072.77	541.05	675.92	3937.90	-676.84
		63	30.10	30.01	-300.91	29.55	-300.45	-12.31	4688.19	630.79	751.47	4567.50	-689.27
551	14	312	5.61	-15.89	-28.92	-21.01	-23.80	-6.36	1027.04	-40.63	-9.98	996.39	178.28
		313	5.42	40.94	-14.08	-13.33	40.19	-6.36	821.72	-59.56	-34.01	796.16	147.88
		539	5.22	46.43	21.99	23.78	44.64	-6.36	780.26	-177.54	-176.36	779.08	-33.61
		63	6.05	17.21	-20.45	16.10	-19.34	-6.36	979.31	-152.34	-152.33	979.30	-3.20
551	16	312	5.51	-17.16	-29.63	-21.40	-25.39	-5.91	1011.23	-19.51	3.53	988.19	152.36
		313	5.24	37.93	-14.55	-13.88	37.26	-5.91	806.36	-41.33	-20.76	785.79	130.45
		539	5.04	42.91	18.80	20.35	41.37	-5.91	776.60	-126.45	-123.33	773.48	-53.00
		63	5.86	13.83	-22.28	12.83	-21.28	-5.91	976.78	-99.94	-99.04	975.88	-31.10
552	4	63	7.91	34.29	-19.63	34.28	-19.63	0.49	1045.14	-497.94	-470.01	1017.21	205.71
		539	7.46	58.41	43.63	43.65	58.39	0.49	1053.94	-487.00	-467.89	1034.82	170.54
		540	7.95	58.00	40.22	40.23	57.98	0.49	1035.91	-653.40	-632.55	1015.06	186.51
		64	8.42	30.88	-20.04	30.87	-20.04	0.49	1027.02	-664.24	-634.66	997.45	221.68
552	12	63	24.80	42.57	-274.68	33.71	-265.81	52.28	3622.48	581.33	631.99	3571.82	-389.21
		539	21.34	78.25	-79.51	58.44	-59.70	52.28	4053.20	645.84	685.05	4013.99	-363.40
		540	20.36	60.79	-84.33	38.55	-62.09	52.28	4028.93	805.47	805.90	4028.49	37.38
		64	23.88	23.19	-277.58	13.81	-268.20	52.28	3586.37	752.79	752.84	3586.32	11.57
552	14	63	5.10	14.44	-33.56	14.40	-33.52	-1.43	681.24	-188.46	-188.14	680.93	16.59
		539	4.31	23.54	20.29	21.15	22.69	-1.43	716.55	-186.41	-184.14	714.28	45.26
		540	4.19	21.76	11.47	11.68	21.55	-1.43	737.63	-57.12	-49.88	730.39	75.49
		64	4.64	4.98	-34.71	4.93	-34.66	-1.43	699.95	-56.79	-53.89	697.04	46.82
552	15	63	2.96	-14.95	-54.83	-15.42	-54.36	-4.31	474.26	-63.09	234.66	176.51	-267.10
		539	2.09	-11.64	-31.83	-12.60	-30.87	-4.31	380.19	94.77	241.50	233.46	-142.66
		540	4.30	-27.71	-36.54	-31.16	-33.09	-4.31	839.57	287.92	824.12	303.38	-91.04
		64	4.61	-33.19	-57.38	-33.98	-56.59	-4.31	889.49	174.22	817.28	246.43	-215.48
553	1	64	6.28	-45.54	-91.46	-46.24	-90.76	-5.61	1029.56	-184.07	1004.90	-159.40	-171.26
		540	6.39	-48.72	-115.81	-49.19	-115.34	-5.61	1011.96	-105.52	1011.43	-104.99	-24.38
		542	9.06	-65.89	-118.02	-66.50	-117.41	-5.61	1699.43	-22.83	1699.07	-22.47	24.94
		65	9.21	-62.52	-93.88	-63.56	-92.84	-5.61	1700.90	-85.24	1692.54	-76.88	-121.94
553	6	64	14.52	174.18	-225.19	-7.59	-43.42	198.88	-158.43	-2188.93	-164.17	-2183.19	-107.87
		540	20.37	81.41	-377.10	-33.81	-261.88	198.88	-182.64	-2361.41	-185.25	-2358.80	-75.25
		542	19.99	79.45	-377.96	-36.33	-262.18	198.88	-8.95	-2364.05	-32.52	-2340.48	-234.43
		65	15.37	172.67	-226.51	-10.12	-43.72	198.88	21.18	-2197.48	-11.45	-2164.86	-267.05
553	13	64	4.83	-35.03	-70.35	-35.57	-69.82	-4.32	791.97	-141.59	773.00	-122.61	-131.74
		540	4.92	-37.47	-89.08	-37.84	-88.72	-4.32	778.43	-81.17	778.02	-80.76	-18.76
		542	6.97	-50.69	-90.79	-51.16	-90.32	-4.32	1307.25	-17.56	1306.98	-17.28	19.18
		65	7.09	-48.09	-72.22	-48.89	-71.42	-4.32	1308.39	-65.57	1301.95	-59.14	-93.80

553	15	64	4.83	-35.03	-70.35	-35.57	-69.82	-4.32	791.97	-141.59	773.00	-122.61	-131.74
		540	4.92	-37.47	-89.08	-37.84	-88.72	-4.32	778.43	-81.17	778.02	-80.76	-18.76
		542	6.97	-50.69	-90.79	-51.16	-90.32	-4.32	1307.25	-17.56	1306.98	-17.28	19.18
		65	7.09	-48.09	-72.22	-48.89	-71.42	-4.32	1308.39	-65.57	1301.95	-59.14	-93.80
554	1	65	9.18	-59.93	-96.86	-63.60	-93.19	-11.05	1693.44	-74.22	1692.92	-73.70	-30.30
		542	9.08	-63.51	-115.47	-65.97	-113.00	-11.05	1699.18	-22.53	1699.07	-22.43	13.25
		543	10.22	-70.04	-116.61	-72.83	-113.82	-11.05	1904.80	0.16	1902.93	2.03	59.72
		66	10.32	-66.08	-98.38	-70.45	-94.01	-11.05	1896.91	-49.37	1896.77	-49.24	16.18
554	10	65	17.29	47.78	-380.59	-4.85	-327.96	140.62	52.93	-1194.91	28.82	-1170.79	171.78
		542	22.41	8.83	-560.69	-28.32	-523.54	140.62	29.96	-1297.74	15.34	-1283.11	138.57
		543	21.86	7.41	-560.96	-29.82	-523.72	140.62	-139.00	-1302.93	-140.16	-1301.77	36.77
		66	16.63	46.44	-380.94	-6.35	-328.14	140.62	-122.09	-1194.04	-126.68	-1189.45	69.98
554	13	65	7.06	-46.10	-74.51	-48.92	-71.68	-8.50	1302.65	-57.09	1302.25	-56.69	-23.30
		542	6.99	-48.85	-88.82	-50.75	-86.92	-8.50	1307.06	-17.33	1306.98	-17.25	10.19
		543	7.87	-53.88	-89.70	-56.02	-87.56	-8.50	1465.23	0.12	1463.79	1.56	45.94
		66	7.94	-50.83	-75.68	-54.19	-72.32	-8.50	1459.16	-37.98	1459.06	-37.87	12.44
554	15	65	7.06	-46.10	-74.51	-48.92	-71.68	-8.50	1302.65	-57.09	1302.25	-56.69	-23.30
		542	6.99	-48.85	-88.82	-50.75	-86.92	-8.50	1307.06	-17.33	1306.98	-17.25	10.19
		543	7.87	-53.88	-89.70	-56.02	-87.56	-8.50	1465.23	0.12	1463.79	1.56	45.94
		66	7.94	-50.83	-75.68	-54.19	-72.32	-8.50	1459.16	-37.98	1459.06	-37.87	12.44
555	1	66	10.30	-62.63	-86.98	-68.86	-80.75	-10.63	1919.19	105.01	1915.70	108.50	79.52
		543	10.23	-64.51	-91.83	-69.58	-86.75	-10.63	1921.15	139.38	1919.59	140.94	52.58
		544	9.55	-60.22	-90.50	-64.57	-86.15	-10.63	1797.50	121.78	1793.48	125.80	81.98
		67	9.63	-58.61	-85.39	-63.85	-80.14	-10.63	1796.55	86.40	1789.59	93.37	108.91
555	12	66	12.93	12.54	-361.37	4.53	-353.36	54.15	-205.82	-608.62	-243.22	-571.22	116.91
		543	15.75	-1.63	-464.57	-8.05	-458.15	54.15	-229.06	-622.74	-247.23	-604.58	82.59
		544	15.44	-6.32	-465.20	-12.80	-458.72	54.15	-395.86	-635.88	-407.88	-623.86	52.36
		67	12.61	7.88	-362.03	-0.23	-353.93	54.15	-369.83	-624.54	-403.88	-590.50	86.67
555	13	66	7.92	-48.18	-66.91	-52.97	-62.11	-8.17	1476.30	80.78	1473.62	83.46	61.17
		543	7.87	-49.62	-70.63	-53.52	-66.73	-8.17	1477.81	107.22	1476.61	108.41	40.45
		544	7.35	-46.32	-69.62	-49.67	-66.27	-8.17	1382.69	93.68	1379.60	96.77	63.06
		67	7.41	-45.08	-65.68	-49.11	-61.65	-8.17	1381.96	66.46	1376.61	71.82	83.78
555	15	66	7.92	-48.18	-66.91	-52.97	-62.11	-8.17	1476.30	80.78	1473.62	83.46	61.17
		543	7.87	-49.62	-70.63	-53.52	-66.73	-8.17	1477.81	107.22	1476.61	108.41	40.45
		544	7.35	-46.32	-69.62	-49.67	-66.27	-8.17	1382.69	93.68	1379.60	96.77	63.06
		67	7.41	-45.08	-65.68	-49.11	-61.65	-8.17	1381.96	66.46	1376.61	71.82	83.78
556	1	67	9.64	-56.38	-72.34	-62.21	-66.51	-7.69	1813.31	175.35	1800.91	187.75	141.95
		544	9.56	-56.40	-72.38	-62.22	-66.56	-7.69	1806.08	194.57	1802.20	198.45	79.05
		545	7.96	-48.33	-68.79	-51.82	-65.31	-7.69	1513.56	157.28	1507.72	163.12	88.76
		68	8.06	-48.32	-68.75	-51.81	-65.26	-7.69	1523.22	135.63	1506.44	152.41	151.65
556	9	67	10.05	167.39	-62.19	-52.08	157.28	-47.11	1306.91	303.15	1306.73	303.34	13.54
		544	10.69	207.48	-55.82	-47.10	198.76	-47.11	1308.21	314.93	1308.13	315.01	-9.07
		545	10.02	209.20	-44.69	-35.63	200.14	-47.11	1202.26	302.31	1202.25	302.31	1.51
		68	9.36	169.23	-51.18	-40.60	158.65	-47.11	1201.49	289.99	1200.85	290.63	24.13
556	13	67	7.41	-43.37	-55.65	-47.86	-51.16	-5.91	1394.85	134.89	1385.32	144.42	109.19
		544	7.35	-43.38	-55.68	-47.86	-51.20	-5.91	1389.30	149.67	1386.31	152.66	60.81
		545	6.12	-37.18	-52.92	-39.86	-50.24	-5.91	1164.28	120.99	1159.79	125.47	68.27
		68	6.20	-37.17	-52.88	-39.85	-50.20	-5.91	1171.71	104.33	1158.80	117.24	116.66
556	15	67	7.41	-43.37	-55.65	-47.86	-51.16	-5.91	1394.85	134.89	1385.32	144.42	109.19
		544	7.35	-43.38	-55.68	-47.86	-51.20	-5.91	1389.30	149.67	1386.31	152.66	60.81
		545	6.12	-37.18	-52.92	-39.86	-50.24	-5.91	1164.28	120.99	1159.79	125.47	68.27
		68	6.20	-37.17	-52.88	-39.85	-50.20	-5.91	1171.71	104.33	1158.80	117.24	116.66
557	1	68	8.06	-47.27	-58.19	-50.57	-54.89	-5.01	1529.58	171.37	1510.95	190.00	157.97
		545	7.96	-46.46	-56.82	-50.33	-52.95	-5.01	1515.84	185.67	1511.01	190.50	80.00
		546	5.99	-36.45	-53.15	-38.12	-51.48	-5.01	1152.42	140.26	1145.99	146.70	80.46
		69	6.13	-36.84	-54.94	-38.36	-53.43	-5.01	1170.43	121.69	1145.93	146.20	158.42
557	9	68	8.73	115.76	-57.72	-47.03	105.08	-41.70	1190.31	187.93	1188.72	189.52	39.91
		545	8.95	133.94	-54.47	-44.74	124.21	-41.70	1189.00	191.89	1189.00	191.89	0.43
		546	7.91	135.90	-43.38	-33.09	125.61	-41.70	1004.17	169.70	1004.16	169.71	2.58
		69	7.69	117.83	-46.73	-35.38	106.48	-41.70	1005.99	165.23	1003.88	167.34	42.06
557	13	68	6.20	-36.36	-44.76	-38.90	-42.22	-3.86	1176.60	131.82	1162.27	146.15	121.51
		545	6.12	-35.74	-43.71	-38.72	-40.73	-3.86	1166.03	142.82	1162.32	146.54	61.54
		546	4.61	-28.04	-40.89	-29.33	-39.60	-3.86	886.48	107.89	881.53	112.84	61.89
		69	4.71	-28.34	-42.26	-29.51	-41.10	-3.86	900.33	93.61	881.48	112.46	121.86
557	15	68	6.20	-36.36	-44.76	-38.90	-42.22	-3.86	1176.60	131.82	1162.27	146.15	121.51
		545	6.12	-35.74	-43.71	-38.72	-40.73	-3.86	1166.03	142.82	1162.32	146.54	61.54
		546	4.61	-28.04	-40.89	-29.33	-39.60	-3.86	886.48	107.89	881.53	112.84	61.89
		69	4.71	-28.34	-42.26	-29.51	-41.10	-3.86	900.33	93.61	881.48	112.46	121.86
558	4	69	6.61	38.42	-41.88	37.32	-40.78	-9.34	-139.44	-1080.81	-1079.80	-140.45	-30.82
		546	6.55	39.13	-36.55	37.96	-35.38	-9.34	-137.11	-1080.44	-1079.51	-138.04	-29.66
		547	6.51	38.60	-36.62	37.43	-35.44	-9.34	-136.59	-1074.88	-1074.08	-137.39	-27.48
		70	6.57	37.89	-41.95	36.78	-40.85	-9.34	-138.92	-1075.24	-1074.37	-139.80	-28.64
558	9	69	7.10	77.11	-53.18	-40.44	64.37	-38.70	1000.60	124.97	998.99	126.59	37.60
		546	7.09	84.34	-51.59	-39.49	72.25	-38.70	999.09	125.82	998.92	126.00	-12.43
		547	5.82	86.72	-40.90	-27.82	73.65	-38.70	764.94	97.64	764.69	97.89	-12.96
		70	5.85	79.60	-42.59	-28.77	65.77	-38.70	766.81	96.43	764.76	98.48	37.07
558	13	69	4.69	-28.05	-35.77	-28.78	-35.04	-2.26	900.30	107.24	882.94	124.60	116.04

		546	4.60	-27.57	-33.90	-28.53	-32.94	-2.26	886.45	116.73	882.47	120.71	55.18
		547	3.08	-18.56	-32.18	-18.95	-31.79	-2.26	602.72	81.35	597.55	86.52	51.65
		70	3.21	-18.86	-34.23	-19.20	-33.89	-2.26	621.84	66.59	598.02	90.41	112.51
558	15	69	4.69	-28.05	-35.77	-28.78	-35.04	-2.26	900.30	107.24	882.94	124.60	116.04
		546	4.60	-27.57	-33.90	-28.53	-32.94	-2.26	886.45	116.73	882.47	120.71	55.18
		547	3.08	-18.56	-32.18	-18.95	-31.79	-2.26	602.72	81.35	597.55	86.52	51.65
		70	3.21	-18.86	-34.23	-19.20	-33.89	-2.26	621.84	66.59	598.02	90.41	112.51
559	4	70	6.51	38.49	-32.25	37.88	-31.64	-6.54	-112.68	-1071.83	-1071.19	-113.33	-24.83
		547	6.44	39.20	-26.77	38.55	-26.12	-6.54	-116.69	-1071.95	-1071.63	-117.00	-17.32
		548	6.25	37.98	-26.93	37.31	-26.26	-6.54	-112.32	-1036.95	-1036.49	-112.79	-20.66
		71	6.32	37.27	-32.40	36.65	-31.78	-6.54	-108.25	-1036.90	-1036.05	-109.11	-28.16
559	8	70	5.82	26.52	-108.64	20.65	-102.77	-27.55	-62.10	-655.01	-653.12	-63.99	33.38
		547	5.64	27.73	-101.37	21.56	-95.19	-27.55	-64.79	-653.86	-653.29	-65.36	18.31
		548	5.91	27.75	-101.36	21.58	-95.19	-27.55	-73.38	-724.31	-723.86	-73.83	17.07
		71	6.09	26.54	-108.64	20.67	-102.77	-27.55	-70.88	-725.28	-723.70	-72.46	32.14
559	14	70	2.88	15.70	-30.97	15.29	-30.56	-4.38	-25.90	-404.70	-403.00	-27.60	25.32
		547	2.78	16.27	-26.59	15.82	-26.14	-4.38	-32.67	-403.80	-403.63	-32.84	8.06
		548	3.21	19.06	-26.23	18.64	-25.80	-4.38	-42.51	-484.42	-484.40	-42.54	3.31
		71	3.30	18.50	-30.61	18.10	-30.22	-4.38	-36.35	-484.71	-483.77	-37.29	20.56
559	15	70	3.16	-18.49	-29.06	-18.61	-28.94	-1.13	618.81	81.47	599.29	100.99	100.54
		547	3.07	-18.12	-26.33	-18.28	-26.17	-1.13	602.56	89.21	598.38	93.39	46.15
		548	1.74	-9.30	-25.18	-9.38	-25.10	-1.13	349.12	57.45	343.74	62.84	39.27
		71	1.91	-9.64	-27.94	-9.71	-27.87	-1.13	373.58	41.49	344.65	70.43	93.66
560	4	71	6.28	37.81	-25.07	37.49	-24.76	-4.42	-85.85	-1034.77	-1033.42	-87.20	-35.76
		548	6.20	38.48	-19.67	38.14	-19.33	-4.42	-96.93	-1034.84	-1034.61	-97.16	-14.74
		549	5.65	35.02	-20.10	34.67	-19.75	-4.42	-84.69	-936.88	-936.22	-85.36	-23.77
		72	5.74	34.34	-25.50	34.01	-25.17	-4.42	-73.07	-937.35	-935.02	-75.39	-44.79
560	12	71	5.57	31.76	-74.68	25.29	-68.21	25.44	-32.89	-725.73	-725.42	-33.20	-14.66
		548	5.49	32.40	-71.25	25.73	-64.57	25.44	-42.92	-727.34	-726.67	-43.60	-21.50
		549	5.63	31.80	-71.36	25.09	-64.65	25.44	-46.10	-760.04	-758.70	-47.44	-30.92
		72	5.71	31.16	-74.79	24.65	-68.28	25.44	-36.24	-758.26	-757.45	-37.04	-24.08
560	14	71	3.25	19.01	-24.48	18.82	-24.28	-2.90	-18.08	-481.66	-481.48	-18.26	8.96
		548	3.15	19.60	-19.79	19.38	-19.58	-2.90	-29.12	-482.86	-482.80	-29.18	5.34
		549	3.24	20.16	-19.72	19.95	-19.51	-2.90	-31.17	-499.78	-499.74	-31.22	-4.57
		72	3.33	19.58	-24.40	19.39	-24.21	-2.90	-20.29	-498.43	-498.43	-20.29	-0.95
560	16	71	2.76	15.88	-24.38	15.70	-24.20	-2.65	-6.06	-390.20	-389.50	-6.76	16.41
		548	2.66	16.45	-19.82	16.25	-19.62	-2.65	-17.65	-391.03	-390.83	-17.85	8.69
		549	2.84	17.69	-19.66	17.50	-19.47	-2.65	-22.19	-427.00	-426.99	-22.19	-1.36
		72	2.94	17.12	-24.22	16.95	-24.05	-2.65	-11.01	-425.76	-425.66	-11.10	6.36
561	2	194	7.66	63.14	-16.75	-15.54	61.93	9.77	139.53	-1120.85	87.94	-1069.25	249.74
		195	7.68	-16.10	-35.64	-26.05	-25.68	9.77	127.03	-1391.82	57.57	-1322.35	317.30
		73	8.62	33.54	-20.57	31.72	-18.75	9.77	378.55	-1289.04	373.90	-1284.39	87.89
		314	7.44	72.06	39.03	42.23	68.86	9.77	404.56	-1031.58	404.27	-1031.29	20.33
561	9	194	18.14	-33.89	-95.66	-93.10	-36.45	12.31	-614.35	-3934.32	-617.75	-3930.92	-106.17
		195	28.60	-126.25	-320.02	-127.03	-319.24	12.31	-689.67	-4564.16	-693.30	-4560.53	-118.60
		73	30.10	30.01	-300.91	29.55	-300.45	12.31	-630.79	-4688.19	-751.47	-4567.51	-689.27
		314	19.77	65.31	-19.49	63.49	-17.66	12.31	-541.05	-4072.77	-675.92	-3937.90	-676.84
561	14	194	5.42	40.94	-14.08	-13.33	40.19	6.36	59.56	-821.72	34.01	-796.16	147.88
		195	5.61	-15.89	-28.92	-21.01	-23.80	6.36	40.63	-1027.04	9.98	-996.39	178.28
		73	6.05	17.21	-20.45	16.10	-19.34	6.36	152.34	-979.31	152.33	-979.30	-3.20
		314	5.22	46.43	21.99	23.78	44.64	6.36	177.54	-780.26	176.36	-779.08	-33.61
561	16	194	5.24	37.93	-14.55	-13.88	37.26	5.91	41.33	-806.36	20.76	-785.79	130.45
		195	5.51	-17.16	-29.63	-21.40	-25.39	5.91	19.51	-1011.23	-3.53	-988.19	152.36
		73	5.86	13.83	-22.28	12.83	-21.28	5.91	99.94	-976.78	99.04	-975.88	-31.10
		314	5.04	42.91	18.80	20.35	41.37	5.91	126.45	-776.60	123.33	-773.48	-53.00
562	4	314	7.46	58.41	43.63	43.65	58.39	-0.49	487.00	-1053.94	467.89	-1034.82	170.54
		73	7.91	34.29	-19.63	34.28	-19.63	-0.49	497.94	-1045.14	470.01	-1017.21	205.71
		74	8.42	30.88	-20.04	30.87	-20.04	-0.49	664.24	-1027.02	634.66	-997.45	221.68
		316	7.95	58.00	40.22	40.23	57.98	-0.49	653.40	-1035.91	632.55	-1015.06	186.51
562	9	314	21.34	78.25	-79.51	58.44	-59.70	-52.28	-645.84	-4053.20	-685.05	-4013.99	-363.40
		73	24.80	42.57	-274.68	33.71	-265.81	-52.28	-581.33	-3622.48	-631.99	-3571.82	-389.21
		74	23.88	23.19	-277.58	13.81	-268.20	-52.28	-752.79	-3586.37	-752.84	-3586.32	11.57
		316	20.36	60.79	-84.33	38.55	-62.09	-52.28	-805.47	-4028.93	-805.90	-4028.50	37.38
562	14	314	4.31	23.54	20.29	21.15	22.69	1.43	186.41	-716.55	184.14	-714.28	45.26
		73	5.10	14.44	-33.56	14.40	-33.52	1.43	188.46	-681.24	188.14	-680.93	16.59
		74	4.64	4.98	-34.71	4.93	-34.66	1.43	56.79	-699.95	53.88	-697.04	46.82
		316	4.19	21.76	11.47	11.68	21.55	1.43	57.12	-737.63	49.88	-730.39	75.49
562	16	314	3.81	18.85	15.29	17.40	16.74	1.75	137.59	-661.60	136.84	-660.85	24.38
		73	4.67	11.15	-35.90	11.09	-35.84	1.75	141.45	-625.17	141.16	-624.88	-14.93
		74	4.14	0.69	-37.18	0.61	-37.09	1.75	-42.39	-647.49	-42.91	-646.97	17.67
		316	3.61	15.82	6.57	6.92	15.48	1.75	-42.16	-688.01	-47.23	-682.94	56.99
563	1	316	6.39	-48.72	-115.81	-49.19	-115.34	5.61	105.52	-1011.96	-1011.43	104.99	-24.38
		74	6.28	-45.54	-91.46	-46.24	-90.76	5.61	184.07	-1029.56	-1004.90	159.40	-171.26
		75	9.21	-62.52	-93.88	-63.56	-92.84	5.61	85.24	-1700.90	-1692.54	76.88	-121.94
		318	9.06	-65.89	-118.02	-66.50	-117.41	5.61	22.83	-1699.43	-1699.07	22.47	24.94
563	7	316	20.37	81.41	-377.10	-33.81	-261.88	-198.88	2361.41	182.64	185.25	2358.80	-75.25
		74	14.52	174.18	-225.19	-7.59	-43.42	-198.88	2188.93	158.43	164.17	2183.19	-107.87

		75	15.37	172.67	-226.51	-10.12	-43.72	-198.88	2197.48	-21.18	11.45	2164.86	-267.05
		318	19.99	79.45	-377.96	-36.33	-262.18	-198.88	2364.05	8.95	32.52	2340.48	-234.43
563	13	316	4.92	-37.47	-89.08	-37.84	-88.72	4.32	81.17	-778.43	-778.02	80.76	-18.76
		74	4.83	-35.03	-70.35	-35.57	-69.82	4.32	141.59	-791.97	-773.00	122.61	-131.74
		75	7.09	-48.09	-72.22	-48.89	-71.42	4.32	65.57	-1308.39	-1301.95	59.14	-93.80
		318	6.97	-50.69	-90.79	-51.16	-90.32	4.32	17.56	-1307.25	-1306.98	17.28	19.18
563	15	316	4.92	-37.47	-89.08	-37.84	-88.72	4.32	81.17	-778.43	-778.02	80.76	-18.76
		74	4.83	-35.03	-70.35	-35.57	-69.82	4.32	141.59	-791.97	-773.00	122.61	-131.74
		75	7.09	-48.09	-72.22	-48.89	-71.42	4.32	65.57	-1308.39	-1301.95	59.14	-93.80
		318	6.97	-50.69	-90.79	-51.16	-90.32	4.32	17.56	-1307.25	-1306.98	17.28	19.18
564	1	318	9.08	-63.51	-115.47	-65.97	-113.00	11.05	22.53	-1699.18	-1699.07	22.43	13.25
		75	9.18	-59.93	-96.86	-63.60	-93.19	11.05	74.22	-1693.44	-1692.92	73.70	-30.30
		76	10.32	-66.08	-98.38	-70.45	-94.01	11.05	49.37	-1896.91	-1896.77	49.24	16.18
		320	10.22	-70.04	-116.61	-72.83	-113.82	11.05	-0.16	-1904.80	-1902.93	-2.03	59.72
564	11	318	22.41	8.83	-560.69	-28.32	-523.54	-140.62	1297.74	-29.96	-15.34	1283.11	138.57
		75	17.29	47.78	-380.59	-4.85	-327.96	-140.62	1194.91	-52.93	-28.82	1170.79	171.78
		76	16.63	46.44	-380.94	-6.35	-328.14	-140.62	1194.04	122.09	126.68	1189.45	69.98
		320	21.86	7.41	-560.96	-29.82	-523.72	-140.62	1302.93	138.99	140.16	1301.77	36.77
564	13	318	6.99	-48.85	-88.82	-50.75	-86.92	8.50	17.33	-1307.06	-1306.98	17.25	10.19
		75	7.06	-46.10	-74.51	-48.92	-71.68	8.50	57.09	-1302.65	-1302.25	56.69	-23.30
		76	7.94	-50.83	-75.68	-54.19	-72.32	8.50	37.98	-1459.16	-1459.06	37.87	12.44
		320	7.87	-53.88	-89.70	-56.02	-87.56	8.50	-0.12	-1465.23	-1463.79	-1.56	45.94
564	15	318	6.99	-48.85	-88.82	-50.75	-86.92	8.50	17.33	-1307.06	-1306.98	17.25	10.19
		75	7.06	-46.10	-74.51	-48.92	-71.68	8.50	57.09	-1302.65	-1302.25	56.69	-23.30
		76	7.94	-50.83	-75.68	-54.19	-72.32	8.50	37.98	-1459.16	-1459.06	37.87	12.44
		320	7.87	-53.88	-89.70	-56.02	-87.56	8.50	-0.12	-1465.23	-1463.79	-1.56	45.94
565	4	332	5.60	35.46	-15.31	35.23	-15.08	3.41	936.93	86.64	936.43	87.14	-20.61
		82	5.67	34.94	-19.45	34.73	-19.23	3.41	939.30	73.60	935.29	77.61	-58.78
		592	4.65	26.97	-20.44	26.72	-20.19	3.41	763.03	49.74	756.60	56.17	-67.42
		611	4.56	27.48	-16.31	27.22	-16.04	3.41	758.98	64.47	757.75	65.70	-29.25
565	9	332	5.21	34.05	-47.58	27.88	-41.41	-21.58	760.69	53.16	759.53	54.32	-28.66
		82	5.31	33.23	-51.74	27.34	-45.85	-21.58	760.51	43.02	758.42	45.10	-38.63
		592	5.03	29.10	-52.55	22.93	-46.38	-21.58	715.05	36.24	711.78	39.51	-46.98
		611	4.91	29.94	-48.42	23.46	-41.94	-21.58	714.94	46.67	712.88	48.73	-37.02
565	14	332	3.18	20.63	-15.37	20.47	-15.21	2.40	500.02	33.32	500.00	33.35	-3.64
		82	3.25	20.16	-19.16	20.01	-19.02	2.40	499.40	22.29	498.75	22.94	-17.59
		592	2.86	16.19	-19.65	16.03	-19.49	2.40	435.17	13.36	433.43	15.10	-27.03
		611	2.78	16.67	-15.86	16.49	-15.69	2.40	435.10	25.09	434.68	25.51	-13.08
565	16	332	2.78	18.16	-15.38	18.01	-15.23	2.23	427.26	24.38	427.26	24.38	-0.81
		82	2.86	17.69	-19.11	17.56	-18.98	2.23	426.27	13.54	425.99	13.82	-10.73
		592	2.56	14.40	-19.52	14.25	-19.38	2.23	380.67	7.14	379.57	8.25	-20.30
		611	2.48	14.86	-15.79	14.70	-15.63	2.23	381.13	18.51	380.83	18.81	-10.39
566	2	82	2.79	35.09	-24.96	34.87	-24.75	3.59	278.84	-26.81	266.75	-14.72	-59.59
		92	2.93	34.66	-28.40	34.46	-28.19	3.59	278.43	-52.95	263.90	-38.42	-67.83
		594	2.63	27.35	-29.30	27.12	-29.07	3.59	252.30	-70.07	225.29	-43.06	-89.32
		592	2.48	27.78	-25.87	27.54	-25.63	3.59	252.33	-43.55	228.14	-19.35	-81.07
566	9	82	3.69	36.34	-55.84	26.46	-45.96	-28.51	319.04	-18.13	309.66	-8.75	-55.47
		92	3.75	36.18	-56.50	26.37	-46.69	-28.51	317.13	-33.79	307.77	-24.43	-56.54
		594	3.72	32.64	-57.34	22.46	-47.16	-28.51	317.37	-39.65	302.75	-25.03	-70.75
		592	3.66	32.81	-56.69	22.54	-46.42	-28.51	319.40	-24.12	304.63	-9.35	-69.68
566	14	82	1.70	20.62	-19.10	20.48	-18.96	2.36	146.98	-22.30	144.28	-19.60	-21.20
		92	1.82	20.31	-21.62	20.18	-21.49	2.36	145.17	-42.16	141.96	-38.95	-24.31
		594	1.68	16.43	-22.10	16.28	-21.96	2.36	137.24	-50.54	127.40	-40.69	-41.85
		592	1.56	16.74	-19.58	16.59	-19.43	2.36	139.07	-30.70	129.72	-21.35	-38.74
566	16	82	1.54	18.12	-19.06	17.99	-18.93	2.20	121.20	-23.78	120.28	-22.86	-11.50
		92	1.65	17.81	-21.53	17.69	-21.41	2.20	119.01	-43.75	117.91	-42.65	-13.34
		594	1.56	14.61	-21.93	14.48	-21.80	2.20	115.46	-49.82	109.31	-43.68	-31.27
		592	1.43	14.92	-19.46	14.78	-19.31	2.20	117.80	-30.01	111.69	-23.89	-29.43
567	4	92	2.22	35.69	-22.02	35.57	-21.90	2.66	-18.67	-229.62	-176.06	-72.23	-91.81
		102	2.18	35.47	-23.88	35.35	-23.76	2.66	-38.35	-228.76	-178.08	-89.03	-84.15
		596	1.91	27.52	-24.86	27.38	-24.72	2.66	-10.02	-216.93	-142.22	-84.73	-99.38
		594	1.96	27.74	-23.00	27.60	-22.86	2.66	8.91	-217.04	-140.20	-67.93	-107.04
567	10	92	3.74	41.70	-52.61	4.83	-15.73	46.02	-92.21	-500.20	-492.33	-100.08	-56.11
		102	3.66	38.38	-57.56	3.94	-23.12	46.02	-114.85	-498.29	-494.55	-118.59	-37.69
		596	3.57	41.21	-55.81	8.04	-22.63	46.02	-98.66	-417.89	-408.31	-108.24	-54.47
		594	3.66	44.42	-50.74	8.92	-15.24	46.02	-73.75	-422.07	-406.09	-89.73	-72.89
567	14	92	1.27	20.50	-21.55	20.41	-21.46	1.91	-54.56	-112.81	-99.45	-67.92	-24.49
		102	1.24	20.30	-23.19	20.22	-23.11	1.91	-71.84	-117.21	-101.78	-87.27	-21.49
		596	1.14	16.52	-23.66	16.43	-23.57	1.91	-47.62	-125.73	-87.76	-85.59	-39.04
		594	1.17	16.72	-22.01	16.62	-21.92	1.91	-32.72	-118.95	-85.43	-66.23	-42.04
567	15	92	1.13	-2.29	-20.83	-2.32	-20.80	0.77	62.62	-108.61	15.45	-61.45	76.50
		102	1.23	-2.45	-22.16	-2.48	-22.13	0.77	51.32	-123.29	12.67	-84.64	72.49
		596	1.14	0.02	-21.86	-7.76e-03	-21.83	0.77	18.96	-111.92	-6.06	-86.89	51.47
		594	1.03	0.18	-20.53	0.15	-20.50	0.77	29.68	-96.65	-3.28	-63.70	55.47
568	4	102	3.46	35.65	-23.78	35.60	-23.73	1.70	-110.29	-491.34	-476.76	-124.87	-73.10
		112	3.42	35.52	-24.86	35.47	-24.81	1.70	-128.28	-486.46	-478.16	-136.58	-53.89
		598	2.82	27.62	-25.81	27.57	-25.76	1.70	-110.79	-403.19	-388.19	-125.79	-64.50

		596	2.87	27.75	-24.74	27.70	-24.68	1.70	-90.42	-410.43	-386.78	-114.07	-83.72
568	10	102	3.89	42.03	-56.48	8.16	-22.62	46.79	-125.22	-560.01	-558.92	-126.31	-21.77
		112	3.85	39.05	-61.64	7.29	-29.88	46.79	-142.47	-560.96	-560.87	-142.55	-6.01
		598	3.73	41.18	-60.50	10.21	-29.53	46.79	-132.49	-488.31	-487.09	-133.70	-20.73
		596	3.78	44.08	-55.27	11.08	-22.27	46.79	-113.87	-488.73	-485.14	-117.46	-36.49
568	14	102	1.91	20.37	-23.13	20.34	-23.10	1.22	-102.85	-255.21	-252.67	-105.38	-19.49
		112	1.89	20.26	-24.07	20.22	-24.04	1.22	-117.68	-255.55	-254.30	-118.93	-13.05
		598	1.66	16.55	-24.52	16.52	-24.48	1.22	-109.70	-229.76	-224.15	-115.31	-25.33
		596	1.69	16.67	-23.58	16.63	-23.54	1.22	-93.92	-230.38	-222.53	-101.77	-31.77
568	16	102	1.65	17.82	-23.02	17.79	-22.99	1.14	-101.16	-216.30	-215.33	-102.13	-10.56
		112	1.63	17.71	-23.94	17.68	-23.91	1.14	-115.60	-217.37	-216.99	-115.98	-6.25
		598	1.47	14.71	-24.30	14.67	-24.27	1.14	-109.51	-200.87	-196.82	-113.56	-18.80
		596	1.50	14.82	-23.39	14.78	-23.35	1.14	-94.41	-200.46	-195.15	-99.71	-23.11
569	4	112	4.07	35.60	-24.80	35.59	-24.80	0.58	-151.56	-627.59	-624.95	-154.20	-35.34
		123	4.05	35.56	-25.15	35.55	-25.15	0.58	-158.11	-625.69	-625.45	-158.35	-10.51
		600	3.31	27.69	-26.10	27.68	-26.09	0.58	-143.84	-509.79	-509.23	-144.40	-14.27
		598	3.33	27.73	-25.75	27.73	-25.74	0.58	-136.15	-512.83	-508.73	-140.25	-39.10
569	6	112	3.88	28.98	-59.78	25.67	-56.47	16.80	-162.57	-528.91	-528.82	-162.67	5.95
		123	3.90	28.56	-62.43	25.35	-59.21	16.80	-168.09	-529.66	-529.49	-168.26	7.83
		600	3.79	25.50	-62.91	22.18	-59.59	16.80	-167.18	-520.71	-520.69	-167.20	2.76
		598	3.77	25.92	-60.26	22.51	-56.85	16.80	-161.61	-520.02	-520.02	-161.62	0.88
569	14	112	2.21	20.28	-24.04	20.28	-24.03	0.42	-127.17	-327.51	-327.03	-127.65	-9.83
		123	2.21	20.24	-24.34	20.24	-24.34	0.42	-132.45	-327.62	-327.60	-132.47	-1.81
		600	1.94	16.58	-24.78	16.58	-24.78	0.42	-127.73	-290.31	-290.08	-127.96	-6.17
		598	1.95	16.62	-24.48	16.61	-24.47	0.42	-121.95	-290.70	-289.50	-123.15	-14.19
569	16	112	1.91	17.73	-23.91	17.72	-23.91	0.39	-123.03	-277.57	-277.37	-123.23	-5.57
		123	1.90	17.69	-24.21	17.69	-24.21	0.39	-128.15	-277.96	-277.96	-128.15	-0.36
		600	1.71	14.73	-24.56	14.72	-24.56	0.39	-125.04	-253.73	-253.55	-125.22	-4.82
		598	1.72	14.76	-24.26	14.76	-24.26	0.39	-119.55	-253.71	-252.96	-120.30	-10.04
570	4	123	4.05	35.56	-25.15	35.55	-25.15	-0.58	-158.11	-625.69	-625.45	-158.35	10.51
		136	4.07	35.60	-24.80	35.59	-24.80	-0.58	-151.56	-627.59	-624.95	-154.20	35.34
		602	3.33	27.73	-25.75	27.73	-25.74	-0.58	-136.15	-512.83	-508.73	-140.25	39.10
		600	3.31	27.69	-26.10	27.68	-26.09	-0.58	-143.84	-509.79	-509.23	-144.40	14.27
570	5	123	3.90	28.56	-62.43	25.35	-59.21	-16.80	-168.09	-529.66	-529.49	-168.26	-7.83
		136	3.88	28.98	-59.78	25.67	-56.47	-16.80	-162.57	-528.91	-528.82	-162.67	-5.95
		602	3.77	25.92	-60.26	22.51	-56.85	-16.80	-161.61	-520.02	-520.02	-161.62	-0.88
		600	3.79	25.50	-62.91	22.18	-59.59	-16.80	-167.18	-520.71	-520.69	-167.20	-2.76
570	14	123	2.21	20.24	-24.34	20.24	-24.34	-0.42	-132.45	-327.62	-327.60	-132.47	1.81
		136	2.21	20.28	-24.04	20.28	-24.03	-0.42	-127.17	-327.51	-327.03	-127.65	9.83
		602	1.95	16.62	-24.48	16.61	-24.47	-0.42	-121.95	-290.70	-289.50	-123.15	14.19
		600	1.94	16.58	-24.78	16.58	-24.78	-0.42	-127.73	-290.31	-290.08	-127.96	6.17
570	16	123	1.90	17.69	-24.21	17.69	-24.21	-0.39	-128.15	-277.96	-277.96	-128.15	0.36
		136	1.91	17.73	-23.91	17.72	-23.91	-0.39	-123.03	-277.57	-277.37	-123.23	5.57
		602	1.72	14.76	-24.26	14.76	-24.26	-0.39	-119.55	-253.71	-252.96	-120.30	10.04
		600	1.71	14.73	-24.56	14.72	-24.56	-0.39	-125.04	-253.73	-253.55	-125.22	4.82
571	4	136	3.42	35.52	-24.86	35.47	-24.81	-1.70	-128.28	-486.46	-478.16	-136.58	53.89
		146	3.46	35.65	-23.78	35.60	-23.73	-1.70	-110.29	-491.34	-476.76	-124.87	73.10
		604	2.87	27.75	-24.74	27.70	-24.68	-1.70	-90.42	-410.43	-386.78	-114.07	83.72
		602	2.82	27.62	-25.81	27.57	-25.76	-1.70	-110.79	-403.19	-388.19	-125.79	64.50
571	9	136	3.85	39.05	-61.64	7.29	-29.88	-46.79	-142.47	-560.96	-560.87	-142.55	6.01
		146	3.89	42.03	-56.48	8.16	-22.62	-46.79	-125.22	-560.01	-558.92	-126.31	21.77
		604	3.78	44.08	-55.27	11.08	-22.27	-46.79	-113.87	-488.73	-485.14	-117.46	36.49
		602	3.73	41.18	-60.50	10.21	-29.53	-46.79	-132.49	-488.31	-487.09	-133.70	20.73
571	14	136	1.89	20.26	-24.07	20.22	-24.04	-1.22	-117.68	-255.55	-254.30	-118.93	13.05
		146	1.91	20.37	-23.13	20.34	-23.10	-1.22	-102.85	-255.21	-252.67	-105.38	19.49
		604	1.69	16.67	-23.58	16.63	-23.54	-1.22	-93.92	-230.38	-222.53	-101.77	31.77
		602	1.66	16.55	-24.52	16.52	-24.48	-1.22	-109.70	-229.76	-224.15	-115.31	25.33
571	16	136	1.63	17.71	-23.94	17.68	-23.91	-1.14	-115.60	-217.37	-216.99	-115.98	6.25
		146	1.65	17.82	-23.02	17.79	-22.99	-1.14	-101.16	-216.30	-215.33	-102.13	10.56
		604	1.50	14.82	-23.39	14.78	-23.35	-1.14	-94.41	-200.46	-195.15	-99.71	23.11
		602	1.47	14.71	-24.30	14.67	-24.27	-1.14	-109.51	-200.87	-196.82	-113.56	18.80
572	4	146	2.18	35.47	-23.88	35.35	-23.76	-2.66	-38.35	-228.76	-178.08	-89.03	84.15
		158	2.22	35.69	-22.02	35.57	-21.90	-2.66	-18.67	-229.62	-176.06	-72.23	91.81
		606	1.96	27.74	-23.00	27.60	-22.86	-2.66	8.91	-217.04	-140.20	-67.93	107.04
		604	1.91	27.52	-24.86	27.38	-24.72	-2.66	-10.02	-216.93	-142.22	-84.73	99.38
572	9	146	3.66	38.38	-57.56	3.94	-23.12	-46.02	-114.85	-498.29	-494.55	-118.59	37.69
		158	3.74	41.70	-52.61	4.83	-15.73	-46.02	-92.21	-500.20	-492.33	-100.08	56.11
		606	3.66	44.42	-50.74	8.92	-15.24	-46.02	-73.75	-422.07	-406.09	-89.73	72.89
		604	3.57	41.21	-55.81	8.04	-22.63	-46.02	-98.66	-417.89	-408.31	-108.24	54.47
572	14	146	1.24	20.30	-23.19	20.22	-23.11	-1.91	-71.84	-117.21	-101.78	-87.27	21.49
		158	1.27	20.50	-21.55	20.41	-21.46	-1.91	-54.56	-112.81	-99.45	-67.92	24.49
		606	1.17	16.72	-22.01	16.62	-21.92	-1.91	-32.72	-118.95	-85.43	-66.23	42.04
		604	1.14	16.52	-23.66	16.43	-23.57	-1.91	-47.62	-125.73	-87.76	-85.59	39.04
572	15	146	1.23	-2.45	-22.16	-2.48	-22.13	-0.77	51.32	-123.29	12.67	-84.64	-72.49
		158	1.13	-2.29	-20.83	-2.32	-20.80	-0.77	62.62	-108.61	15.45	-61.45	-76.50
		606	1.03	0.18	-20.53	0.15	-20.50	-0.77	29.68	-96.65	-3.28	-63.70	-55.47
		604	1.14	0.02	-21.86	-7.76e-03	-21.83	-0.77	18.96	-111.92	-6.06	-86.89	-51.47

573	2	158	2.93	34.66	-28.40	34.46	-28.19	-3.59	278.43	-52.95	263.90	-38.42	67.83
		173	2.79	35.09	-24.96	34.87	-24.75	-3.59	278.84	-26.81	266.75	-14.72	59.59
		608	2.48	27.78	-25.87	27.54	-25.63	-3.59	252.33	-43.55	228.14	-19.35	81.07
		606	2.63	27.35	-29.30	27.12	-29.07	-3.59	252.30	-70.07	225.29	-43.06	89.32
573	10	158	3.75	36.18	-56.50	26.37	-46.69	28.51	317.13	-33.79	307.77	-24.43	56.54
		173	3.69	36.34	-55.84	26.46	-45.96	28.51	319.04	-18.13	309.66	-8.75	55.47
		608	3.66	32.81	-56.69	22.54	-46.42	28.51	319.40	-24.12	304.63	-9.35	69.68
		606	3.72	32.64	-57.34	22.46	-47.16	28.51	317.37	-39.65	302.75	-25.03	70.75
573	14	158	1.82	20.31	-21.62	20.18	-21.49	-2.36	145.17	-42.16	141.96	-38.95	24.31
		173	1.70	20.62	-19.10	20.48	-18.96	-2.36	146.98	-22.30	144.28	-19.60	21.20
		608	1.56	16.74	-19.58	16.59	-19.43	-2.36	139.07	-30.70	129.72	-21.35	38.74
		606	1.68	16.43	-22.10	16.28	-21.96	-2.36	137.24	-50.54	127.40	-40.69	41.85
573	16	158	1.65	17.81	-21.53	17.69	-21.41	-2.20	119.01	-43.75	117.91	-42.65	13.34
		173	1.54	18.12	-19.06	17.99	-18.93	-2.20	121.20	-23.78	120.28	-22.86	11.50
		608	1.43	14.92	-19.46	14.78	-19.31	-2.20	117.80	-30.01	111.69	-23.89	29.43
		606	1.56	14.61	-21.93	14.48	-21.80	-2.20	115.46	-49.82	109.31	-43.68	31.27
574	4	173	5.67	34.94	-19.45	34.73	-19.23	-3.41	939.30	73.60	935.29	77.61	58.78
		449	5.60	35.46	-15.31	35.23	-15.08	-3.41	936.93	86.64	936.43	87.14	20.61
		421	4.56	27.48	-16.31	27.22	-16.04	-3.41	758.98	64.47	757.75	65.70	29.25
		608	4.65	26.97	-20.44	26.72	-20.19	-3.41	763.03	49.74	756.60	56.17	67.42
574	10	173	5.31	33.23	-51.74	27.34	-45.85	21.58	760.51	43.02	758.42	45.10	38.63
		449	5.21	34.05	-47.58	27.88	-41.41	21.58	760.69	53.16	759.53	54.32	28.66
		421	4.91	29.94	-48.42	23.46	-41.94	21.58	714.94	46.67	712.88	48.73	37.02
		608	5.03	29.10	-52.55	22.93	-46.38	21.58	715.05	36.24	711.78	39.51	46.98
574	14	173	3.25	20.16	-19.16	20.01	-19.02	-2.40	499.40	22.29	498.75	22.94	17.59
		449	3.18	20.63	-15.37	20.47	-15.21	-2.40	500.02	33.32	500.00	33.35	3.64
		421	2.78	16.67	-15.86	16.49	-15.69	-2.40	435.10	25.09	434.68	25.51	13.08
		608	2.86	16.19	-19.65	16.03	-19.49	-2.40	435.17	13.36	433.43	15.10	27.03
574	16	173	2.86	17.69	-19.11	17.56	-18.98	-2.23	426.27	13.54	425.99	13.82	10.73
		449	2.78	18.16	-15.38	18.01	-15.23	-2.23	427.26	24.38	427.26	24.38	0.81
		421	2.48	14.86	-15.79	14.70	-15.63	-2.23	381.13	18.51	380.83	18.81	10.39
		608	2.56	14.40	-19.52	14.25	-19.38	-2.23	380.67	7.14	379.57	8.25	20.30
575	4	611	4.55	26.58	-16.27	26.45	-16.13	2.40	758.53	64.61	757.78	65.36	22.81
		612	4.63	26.36	-18.10	26.23	-17.97	2.40	761.78	49.35	756.50	54.63	61.12
		333	5.63	33.83	-17.19	33.72	-17.07	2.40	938.93	73.09	935.86	76.16	51.40
		332	5.57	34.06	-15.35	33.94	-15.23	2.40	937.35	86.68	937.15	86.88	13.09
575	5	611	4.95	31.83	-51.15	22.79	-42.11	25.85	718.00	52.74	716.48	54.26	31.77
		612	5.04	31.33	-53.26	22.51	-44.44	25.85	718.02	41.62	715.29	44.35	42.87
		333	5.33	34.83	-52.46	26.35	-43.98	25.85	768.86	48.99	767.26	50.59	33.88
		332	5.24	35.31	-50.33	26.63	-41.65	25.85	769.18	59.77	768.45	60.50	22.78
575	14	611	2.76	16.08	-15.81	16.01	-15.74	1.49	434.77	26.58	434.41	26.94	12.24
		612	2.83	15.80	-18.09	15.74	-18.02	1.49	434.76	14.60	433.12	16.24	26.18
		333	3.21	19.43	-17.64	19.37	-17.58	1.49	498.93	23.49	498.35	24.06	16.47
		332	3.15	19.71	-15.37	19.65	-15.31	1.49	499.65	34.76	499.64	34.77	2.54
575	16	611	2.47	14.33	-15.74	14.27	-15.68	1.34	380.82	20.24	380.51	20.54	10.48
		612	2.53	14.04	-18.08	13.99	-18.03	1.34	380.34	8.72	379.23	9.84	20.35
		333	2.81	17.03	-17.72	16.98	-17.67	1.34	425.71	15.10	425.44	15.38	10.65
		332	2.75	17.32	-15.37	17.27	-15.32	1.34	426.72	26.08	426.72	26.09	0.78
576	2	612	2.45	25.85	-23.53	25.77	-23.45	1.93	249.65	-40.51	228.42	-19.28	75.56
		1	2.57	25.69	-24.78	25.62	-24.70	1.93	249.18	-70.08	225.20	-46.10	84.14
		343	2.82	31.68	-24.05	31.61	-23.99	1.93	276.65	-52.54	265.39	-41.28	59.83
		333	2.71	31.83	-22.80	31.76	-22.74	1.93	277.60	-23.44	268.61	-14.45	51.25
576	5	612	3.67	34.15	-57.63	21.12	-44.60	32.04	321.36	-17.10	308.70	-4.44	64.21
		1	3.71	34.36	-56.89	21.23	-43.75	32.04	319.37	-35.88	306.48	-22.98	66.44
		343	3.72	36.48	-56.30	23.64	-43.46	32.04	324.02	-28.86	316.90	-21.73	49.63
		333	3.67	36.27	-57.05	23.54	-44.31	32.04	325.95	-10.02	319.12	-3.19	47.41
576	14	612	1.53	15.52	-18.09	15.48	-18.05	1.15	138.13	-29.20	129.17	-20.24	37.67
		1	1.62	15.38	-19.23	15.34	-19.19	1.15	136.13	-50.09	126.71	-40.67	40.80
		343	1.72	18.41	-18.87	18.37	-18.83	1.15	144.11	-41.62	141.40	-38.91	22.28
		333	1.63	18.54	-17.72	18.51	-17.69	1.15	146.08	-20.70	143.85	-18.48	19.14
576	16	612	1.39	13.80	-18.09	13.77	-18.06	1.02	117.12	-28.66	110.83	-22.37	29.61
		1	1.49	13.65	-19.30	13.62	-19.27	1.02	114.65	-48.98	108.39	-42.73	31.38
		343	1.55	16.06	-19.01	16.03	-18.98	1.02	117.72	-42.78	116.67	-41.73	12.93
		333	1.46	16.20	-17.80	16.17	-17.77	1.02	120.00	-22.26	119.12	-21.38	11.16
577	4	1	1.67	25.18	-18.86	25.13	-18.81	1.51	-0.62	-209.73	-137.14	-73.21	99.55
		163	1.61	25.16	-19.06	25.10	-19.01	1.51	-20.62	-212.43	-139.57	-93.48	93.10
		353	1.83	31.22	-18.32	31.17	-18.28	1.51	-50.36	-216.53	-169.79	-97.11	74.72
		343	1.89	31.24	-18.13	31.19	-18.08	1.51	-29.16	-215.03	-167.35	-76.83	81.17
577	7	1	3.55	41.47	-47.97	7.77	-14.27	-43.34	-76.03	-429.03	-412.73	-92.33	74.07
		163	3.45	38.68	-52.29	7.01	-20.62	-43.34	-101.51	-424.50	-414.98	-111.03	54.63
		353	3.54	35.27	-54.47	2.02	-21.22	-43.34	-118.29	-509.69	-506.02	-121.95	37.68
		343	3.63	38.18	-50.28	2.78	-14.87	-43.34	-95.26	-511.77	-503.78	-103.25	57.13
577	14	1	1.03	15.01	-19.26	14.99	-19.24	0.88	-33.94	-118.31	-86.05	-66.20	41.00
		163	1.05	14.95	-19.80	14.92	-19.78	0.88	-49.31	-125.66	-88.48	-86.49	38.17
		353	1.07	17.42	-19.51	17.40	-19.48	0.88	-73.98	-115.85	-101.75	-88.08	19.78
		343	1.11	17.49	-18.96	17.47	-18.94	0.88	-55.99	-111.12	-99.32	-67.80	22.62
577	15	1	0.91	-0.22	-19.88	-0.22	-19.88	-0.06	19.67	-84.79	-9.42	-55.70	-46.82

		163	1.01	-0.35	-20.95	-0.35	-20.95	-0.06	10.71	-98.55	-11.85	-75.99	-44.23
		353	1.07	-3.25	-21.30	-3.25	-21.30	-0.06	35.83	-110.06	0.30	-74.53	-62.62
		343	0.98	-3.13	-20.23	-3.13	-20.23	-0.06	45.41	-96.92	2.74	-54.24	-65.21
578	4	163	2.62	24.70	-19.08	24.68	-19.06	0.97	-100.82	-404.13	-382.34	-122.62	78.33
		168	2.57	24.70	-19.08	24.67	-19.06	0.97	-122.47	-398.15	-384.02	-136.60	60.80
		363	3.08	30.24	-18.42	30.22	-18.40	0.97	-139.36	-473.19	-466.10	-146.45	48.12
		353	3.12	30.24	-18.41	30.22	-18.39	0.97	-119.95	-476.93	-464.42	-132.47	65.66
578	7	163	3.66	41.46	-52.35	9.44	-20.33	-44.48	-116.54	-493.35	-489.87	-120.01	36.02
		168	3.59	38.94	-56.72	8.70	-26.48	-44.48	-135.46	-492.97	-491.86	-136.57	19.91
		363	3.69	35.81	-58.50	4.31	-27.00	-44.48	-145.57	-567.36	-567.30	-145.63	4.90
		353	3.75	38.43	-54.23	5.05	-20.85	-44.48	-128.06	-566.32	-565.32	-129.07	21.01
578	14	163	1.56	14.63	-19.83	14.62	-19.82	0.57	-95.15	-230.66	-223.16	-102.65	30.97
		168	1.53	14.60	-20.06	14.60	-20.05	0.57	-111.38	-230.28	-224.86	-116.80	24.80
		363	1.71	16.68	-19.81	16.67	-19.80	0.57	-119.20	-254.80	-253.73	-120.27	11.97
		353	1.74	16.70	-19.58	16.70	-19.57	0.57	-103.89	-254.25	-252.03	-106.11	18.14
578	16	163	1.39	12.96	-19.95	12.95	-19.94	0.50	-94.12	-201.83	-196.64	-99.32	23.08
		168	1.36	12.92	-20.22	12.92	-20.22	0.50	-109.52	-202.32	-198.34	-113.50	18.80
		363	1.48	14.42	-20.04	14.41	-20.04	0.50	-115.56	-218.68	-218.34	-115.90	5.95
		353	1.51	14.45	-19.77	14.44	-19.77	0.50	-100.82	-217.54	-216.64	-101.72	10.22
579	4	168	3.09	24.44	-19.09	24.44	-19.09	0.34	-147.20	-507.33	-503.58	-150.95	36.54
		170	3.07	24.44	-19.08	24.44	-19.07	0.34	-155.35	-504.71	-504.17	-155.89	13.66
		374	3.70	29.71	-18.44	29.71	-18.44	0.34	-168.55	-611.48	-611.29	-168.74	9.18
		363	3.72	29.71	-18.46	29.71	-18.46	0.34	-161.52	-612.99	-610.70	-163.80	32.06
579	7	168	3.53	41.12	-55.66	11.59	-26.13	-44.56	-135.44	-482.56	-482.55	-135.46	2.10
		170	3.50	38.87	-60.06	10.88	-32.07	-44.56	-144.29	-483.99	-483.65	-144.63	-10.80
		374	3.61	36.33	-61.34	7.47	-32.48	-44.56	-150.95	-544.96	-544.03	-151.88	-19.12
		363	3.63	38.64	-57.00	8.18	-26.54	-44.56	-142.61	-543.03	-542.93	-142.70	-6.22
579	14	168	1.82	14.43	-20.07	14.43	-20.07	0.20	-123.50	-291.28	-290.14	-124.64	13.78
		170	1.81	14.42	-20.13	14.42	-20.13	0.20	-129.43	-290.98	-290.75	-129.66	6.10
		374	2.02	16.28	-19.91	16.28	-19.91	0.20	-133.97	-326.72	-326.71	-133.98	1.55
		363	2.03	16.29	-19.85	16.29	-19.85	0.20	-128.52	-326.54	-326.11	-128.95	9.23
579	16	168	1.61	12.76	-20.24	12.76	-20.23	0.17	-119.51	-255.31	-254.57	-120.25	9.99
		170	1.60	12.75	-20.31	12.75	-20.31	0.17	-125.11	-255.36	-255.18	-125.29	4.84
		374	1.74	14.04	-20.16	14.04	-20.16	0.17	-128.18	-279.28	-279.28	-128.18	0.27
		363	1.75	14.05	-20.08	14.05	-20.08	0.17	-122.96	-278.86	-278.68	-123.14	5.42
580	4	170	3.07	24.44	-19.08	24.44	-19.07	-0.34	-155.35	-504.71	-504.17	-155.89	-13.66
		176	3.09	24.44	-19.09	24.44	-19.09	-0.34	-147.20	-507.33	-503.58	-150.95	-36.54
		384	3.72	29.71	-18.46	29.71	-18.46	-0.34	-161.52	-612.99	-610.70	-163.80	-32.06
		374	3.70	29.71	-18.44	29.71	-18.44	-0.34	-168.55	-611.48	-611.29	-168.74	-9.18
580	5	170	3.50	38.87	-60.06	10.88	-32.07	44.56	-144.29	-483.99	-483.65	-144.63	10.80
		176	3.53	41.12	-55.66	11.59	-26.13	44.56	-135.44	-482.56	-482.55	-135.46	-2.10
		384	3.63	38.64	-57.00	8.18	-26.54	44.56	-142.61	-543.03	-542.93	-142.70	6.22
		374	3.61	36.33	-61.34	7.47	-32.48	44.56	-150.95	-544.96	-544.03	-151.88	19.12
580	14	170	1.81	14.42	-20.13	14.42	-20.13	-0.20	-129.43	-290.98	-290.75	-129.66	-6.10
		176	1.82	14.43	-20.07	14.43	-20.07	-0.20	-123.50	-291.28	-290.14	-124.64	-13.78
		384	2.03	16.29	-19.85	16.29	-19.85	-0.20	-128.52	-326.54	-326.11	-128.95	-9.23
		374	2.02	16.28	-19.91	16.28	-19.91	-0.20	-133.97	-326.72	-326.71	-133.98	-1.55
580	16	170	1.60	12.75	-20.31	12.75	-20.31	-0.17	-125.11	-255.36	-255.18	-125.29	-4.84
		176	1.61	12.76	-20.24	12.76	-20.23	-0.17	-119.51	-255.31	-254.57	-120.25	-9.99
		384	1.75	14.05	-20.08	14.05	-20.08	-0.17	-122.96	-278.86	-278.68	-123.14	-5.42
		374	1.74	14.04	-20.16	14.04	-20.16	-0.17	-128.18	-279.28	-279.28	-128.18	-0.27
581	4	176	2.57	24.70	-19.08	24.67	-19.06	-0.97	-122.47	-398.15	-384.02	-136.60	-60.80
		180	2.62	24.70	-19.08	24.68	-19.06	-0.97	-100.82	-404.13	-382.34	-122.62	-78.33
		395	3.12	30.24	-18.41	30.22	-18.39	-0.97	-119.95	-476.93	-464.42	-132.47	-65.66
		384	3.08	30.24	-18.42	30.22	-18.40	-0.97	-139.36	-473.19	-466.10	-146.45	-48.12
581	5	176	3.59	38.94	-56.72	8.70	-26.48	44.48	-135.46	-492.97	-491.86	-136.57	-19.91
		180	3.66	41.46	-52.35	9.44	-20.33	44.48	-116.54	-493.35	-489.87	-120.01	-36.02
		395	3.75	38.43	-54.23	5.05	-20.85	44.48	-128.06	-566.32	-565.32	-129.07	-21.01
		384	3.69	35.81	-58.50	4.31	-27.00	44.48	-145.57	-567.36	-567.30	-145.63	-4.90
581	14	176	1.53	14.60	-20.06	14.60	-20.05	-0.57	-111.38	-230.28	-224.86	-116.80	-24.80
		180	1.56	14.63	-19.83	14.62	-19.82	-0.57	-95.15	-230.66	-223.16	-102.65	-30.97
		395	1.74	16.70	-19.58	16.70	-19.57	-0.57	-103.89	-254.25	-252.03	-106.11	-18.14
		384	1.71	16.68	-19.81	16.67	-19.80	-0.57	-119.20	-254.80	-253.73	-120.27	-11.97
581	16	176	1.36	12.92	-20.22	12.92	-20.22	-0.50	-109.52	-202.32	-198.34	-113.50	-18.80
		180	1.39	12.96	-19.95	12.95	-19.94	-0.50	-94.12	-201.83	-196.64	-99.32	-23.08
		395	1.51	14.45	-19.77	14.44	-19.77	-0.50	-100.82	-217.54	-216.64	-101.72	-10.22
		384	1.48	14.42	-20.04	14.41	-20.04	-0.50	-115.56	-218.68	-218.34	-115.90	-5.95
582	4	180	1.61	25.16	-19.06	25.10	-19.01	-1.51	-20.62	-212.43	-139.57	-93.48	-93.10
		183	1.67	25.18	-18.86	25.13	-18.81	-1.51	-0.62	-209.73	-137.14	-73.21	-99.55
		406	1.89	31.24	-18.13	31.19	-18.08	-1.51	-29.16	-215.03	-167.35	-76.83	-81.17
		395	1.83	31.22	-18.32	31.17	-18.28	-1.51	-50.36	-216.53	-169.79	-97.11	-74.72
582	5	180	3.45	38.68	-52.29	7.01	-20.62	43.34	-101.51	-424.50	-414.98	-111.03	-54.63
		183	3.55	41.47	-47.97	7.77	-14.27	43.34	-76.03	-429.03	-412.73	-92.33	-74.07
		406	3.63	38.18	-50.28	2.78	-14.87	43.34	-95.26	-511.77	-503.78	-103.25	-57.13
		395	3.54	35.27	-54.47	2.02	-21.22	43.34	-118.29	-509.69	-506.02	-121.95	-37.68
582	14	180	1.05	14.95	-19.80	14.92	-19.78	-0.88	-49.31	-125.66	-88.48	-86.49	-38.17
		183	1.03	15.01	-19.26	14.99	-19.24	-0.88	-33.94	-118.31	-86.05	-66.20	-41.00

		406	1.11	17.49	-18.96	17.47	-18.94	-0.88	-55.99	-111.12	-99.32	-67.80	-22.62
		395	1.07	17.42	-19.51	17.40	-19.48	-0.88	-73.98	-115.85	-101.75	-88.08	-19.78
582	15	180	1.01	-0.35	-20.95	-0.35	-20.95	0.06	10.71	-98.55	-11.85	-75.99	44.23
		183	0.91	-0.22	-19.88	-0.22	-19.88	0.06	19.67	-84.79	-9.42	-55.70	46.82
		406	0.98	-3.13	-20.23	-3.13	-20.23	0.06	45.41	-96.92	2.74	-54.24	65.21
		395	1.07	-3.25	-21.30	-3.25	-21.30	0.06	35.83	-110.06	0.30	-74.53	62.62
583	2	631	2.57	25.69	-24.78	25.62	-24.70	-1.93	70.08	-249.18	-225.20	46.10	84.14
		640	2.45	25.85	-23.53	25.77	-23.45	-1.93	40.51	-249.65	-228.42	19.28	75.56
		753	2.71	31.83	-22.80	31.76	-22.74	-1.93	23.44	-277.60	-268.61	14.45	51.25
		743	2.82	31.68	-24.05	31.61	-23.99	-1.93	52.54	-276.65	-265.39	41.28	59.83
583	8	631	3.71	34.36	-56.89	21.23	-43.75	-32.04	35.88	-319.37	-306.48	22.98	66.44
		640	3.67	34.15	-57.63	21.12	-44.60	-32.04	17.10	-321.36	-308.70	4.44	64.21
		753	3.67	36.27	-57.05	23.54	-44.31	-32.04	10.02	-325.95	-319.12	3.19	47.41
		743	3.72	36.48	-56.30	23.64	-43.46	-32.04	28.86	-324.02	-316.90	21.73	49.63
583	14	631	1.62	15.38	-19.23	15.34	-19.19	-1.15	50.09	-136.13	-126.71	40.67	40.80
		640	1.53	15.52	-18.09	15.48	-18.05	-1.15	29.20	-138.13	-129.17	20.24	37.67
		753	1.63	18.54	-17.72	18.51	-17.69	-1.15	20.70	-146.08	-143.85	18.48	19.14
		743	1.72	18.41	-18.87	18.37	-18.83	-1.15	41.62	-144.11	-141.40	38.91	22.28
583	16	631	1.49	13.65	-19.30	13.62	-19.27	-1.02	48.98	-114.65	-108.39	42.73	31.38
		640	1.39	13.80	-18.09	13.77	-18.06	-1.02	28.66	-117.12	-110.83	22.37	29.61
		753	1.46	16.20	-17.80	16.17	-17.77	-1.02	22.26	-120.00	-119.12	21.38	11.16
		743	1.55	16.06	-19.01	16.03	-18.98	-1.02	42.78	-117.72	-116.67	41.73	12.93
584	4	640	4.63	26.36	-18.10	26.23	-17.97	-2.40	-49.35	-761.78	-756.50	-54.63	61.12
		458	4.55	26.58	-16.27	26.45	-16.13	-2.40	-64.61	-758.53	-757.78	-65.36	22.81
		549	5.57	34.06	-15.35	33.94	-15.23	-2.40	-86.68	-937.35	-937.15	-86.88	13.09
		753	5.63	33.83	-17.19	33.72	-17.07	-2.40	-73.09	-938.93	-935.86	-76.16	51.40
584	8	640	5.04	31.33	-53.26	22.51	-44.44	-25.85	-41.62	-718.02	-715.29	-44.35	42.87
		458	4.95	31.83	-51.15	22.79	-42.11	-25.85	-52.74	-718.00	-716.48	-54.26	31.77
		549	5.24	35.31	-50.33	26.63	-41.65	-25.85	-59.77	-769.18	-768.45	-60.50	22.78
		753	5.33	34.83	-52.46	26.35	-43.98	-25.85	-48.99	-768.86	-767.26	-50.59	33.88
584	14	640	2.83	15.80	-18.09	15.74	-18.02	-1.49	-14.60	-434.76	-433.12	-16.24	26.18
		458	2.76	16.08	-15.81	16.01	-15.74	-1.49	-26.58	-434.77	-434.41	-26.94	12.24
		549	3.15	19.71	-15.37	19.65	-15.31	-1.49	-34.76	-499.65	-499.64	-34.77	2.54
		753	3.21	19.43	-17.64	19.37	-17.58	-1.49	-23.49	-498.93	-498.35	-24.06	16.47
584	16	640	2.53	14.04	-18.08	13.99	-18.03	-1.34	-8.72	-380.34	-379.23	-9.84	20.35
		458	2.47	14.33	-15.74	14.27	-15.68	-1.34	-20.24	-380.82	-380.51	-20.54	10.48
		549	2.75	17.32	-15.37	17.27	-15.32	-1.34	-26.08	-426.72	-426.72	-26.09	0.78
		753	2.81	17.03	-17.72	16.98	-17.67	-1.34	-15.10	-425.71	-425.44	-15.38	10.65
585	4	622	9.62	255.83	10.96	255.70	11.09	5.65	509.32	9.86	508.67	10.51	-18.03
		621	9.62	255.95	11.98	255.82	12.11	5.65	518.30	14.52	510.13	22.70	63.65
		755	12.21	339.58	22.10	339.47	22.20	5.65	592.90	23.45	584.15	32.21	70.07
		758	12.22	339.44	20.97	339.34	21.07	5.65	583.25	18.03	582.53	18.75	-20.18
585	9	622	19.40	-18.25	-420.16	-419.11	-19.30	20.50	-34.49	-1579.26	-1573.41	-40.34	94.87
		621	19.32	-16.79	-419.98	-418.94	-17.84	20.50	-34.98	-1592.19	-1574.85	-52.33	-163.43
		755	24.47	-35.09	-570.65	-569.87	-35.87	20.50	-62.65	-1827.12	-1808.75	-81.02	-179.07
		758	24.54	-36.70	-570.85	-570.06	-37.49	20.50	-61.30	-1813.64	-1807.16	-67.77	106.32
585	13	622	6.85	-3.34	-73.34	-73.31	-3.37	-1.40	-41.53	-1003.16	-1000.97	-43.72	45.84
		621	6.88	-2.73	-73.26	-73.23	-2.75	-1.40	-46.03	-1008.36	-1002.01	-52.39	-77.96
		755	7.53	-3.28	-78.16	-78.14	-3.31	-1.40	-59.28	-1121.14	-1114.13	-66.29	-85.97
		758	7.51	-3.97	-78.25	-78.22	-3.99	-1.40	-54.27	-1115.42	-1112.98	-56.71	50.81
585	15	622	6.85	-3.34	-73.34	-73.31	-3.37	-1.40	-41.53	-1003.16	-1000.97	-43.72	45.84
		621	6.88	-2.73	-73.26	-73.23	-2.75	-1.40	-46.03	-1008.36	-1002.01	-52.39	-77.96
		755	7.53	-3.28	-78.16	-78.14	-3.31	-1.40	-59.28	-1121.14	-1114.13	-66.29	-85.97
		758	7.51	-3.97	-78.25	-78.22	-3.99	-1.40	-54.27	-1115.42	-1112.98	-56.71	50.81
586	4	733	7.01	209.15	7.84	208.06	8.93	14.77	258.44	19.15	235.53	42.06	70.41
		622	7.07	209.40	9.84	208.30	10.94	14.77	253.62	-23.96	230.40	-0.73	76.86
		758	9.11	285.29	19.37	284.46	20.19	14.77	254.87	-21.17	235.97	-2.27	69.70
		627	9.05	285.01	17.15	284.20	17.96	14.77	259.86	26.78	241.64	45.00	62.57
586	8	733	20.88	706.20	28.59	698.07	36.72	-73.76	221.70	-9.42	215.60	-3.32	-37.05
		622	20.85	705.01	19.55	696.97	27.59	-73.76	225.72	-19.58	214.94	-8.81	50.26
		758	26.97	918.57	46.66	912.28	52.95	-73.76	303.52	-9.19	293.95	0.39	53.88
		627	26.97	919.84	56.69	913.49	63.05	-73.76	300.84	0.29	294.68	6.46	-42.59
586	13	733	4.88	-1.91	-67.64	-67.57	-1.99	-2.24	-83.25	-646.83	-643.94	-86.14	-40.28
		622	5.02	-3.26	-67.81	-67.73	-3.34	-2.24	-5.79	-644.32	-635.37	-14.74	-75.08
		758	5.20	-3.54	-69.54	-69.46	-3.62	-2.24	-8.48	-672.73	-666.43	-14.78	-64.39
		627	5.06	-2.05	-69.36	-69.28	-2.13	-2.24	-92.51	-677.05	-675.89	-93.66	-25.94
586	15	733	4.88	-1.91	-67.64	-67.57	-1.99	-2.24	-83.25	-646.83	-643.94	-86.14	-40.28
		622	5.02	-3.26	-67.81	-67.73	-3.34	-2.24	-5.79	-644.32	-635.37	-14.74	-75.08
		758	5.20	-3.54	-69.54	-69.46	-3.62	-2.24	-8.48	-672.73	-666.43	-14.78	-64.39
		627	5.06	-2.05	-69.36	-69.28	-2.13	-2.24	-92.51	-677.05	-675.89	-93.66	-25.94
587	4	672	4.76	142.55	0.82	139.31	4.07	21.20	-16.84	-155.12	-155.06	-16.89	2.68
		733	4.83	143.14	4.89	139.81	8.22	21.20	19.36	-154.96	-151.17	15.57	-25.42
		627	6.26	193.02	12.00	190.50	14.52	21.20	16.55	-178.73	-176.40	14.22	-21.20
		629	6.20	192.41	7.47	189.95	9.93	21.20	-21.04	-181.31	-180.71	-21.64	9.85
587	8	672	23.11	810.89	27.76	805.39	33.26	-65.41	130.61	-38.08	87.01	5.52	73.85
		733	23.05	812.16	37.79	806.60	43.36	-65.41	116.98	-40.71	85.26	-8.99	63.21
		627	34.81	1250.11	92.95	1246.40	96.66	-65.41	106.35	-41.72	75.54	-10.91	60.11

		629	34.88	1248.74	81.82	1245.06	85.50	-65.41	121.75	-39.15	77.47	5.13	71.86
587	14	672	2.26	60.95	-1.20	59.10	0.66	10.57	-20.25	-125.58	-122.43	-23.39	17.92
		733	2.27	61.48	2.27	59.53	4.22	10.57	1.96	-120.32	-119.49	1.13	10.03
		627	3.21	95.02	7.22	93.73	8.51	10.57	3.05	-127.98	-126.49	1.56	13.91
		629	3.20	94.49	3.33	93.25	4.57	10.57	-20.83	-134.44	-129.74	-25.54	22.64
587	16	672	1.84	47.37	-1.55	45.73	0.09	8.79	-20.15	-121.32	-117.00	-24.48	20.46
		733	1.85	47.89	1.81	46.15	3.56	8.79	0.93	-116.42	-114.21	-1.27	15.93
		627	2.71	78.68	6.42	77.60	7.51	8.79	2.68	-121.40	-118.17	-0.55	19.76
		629	2.70	78.17	2.64	77.14	3.68	8.79	-20.12	-127.31	-121.24	-26.19	24.77
588	1	672	4.06	-5.40	-78.92	-6.09	-78.23	-7.10	477.33	-21.12	80.38	375.83	-200.73
		629	4.13	-4.14	-69.07	-4.93	-68.28	-7.10	550.22	-21.25	95.03	433.93	-230.07
		632	4.21	-3.45	-68.98	-4.22	-68.20	-7.10	462.57	-117.42	-69.09	414.23	-160.30
		724	4.16	-4.76	-78.84	-5.45	-78.15	-7.10	398.56	-108.71	-68.16	358.01	-137.58
588	6	672	34.61	-28.88	-1171.78	-35.53	-1165.13	-86.92	416.09	-7.01	45.19	363.89	-139.15
		629	42.78	-62.72	-1466.83	-68.13	-1461.43	-86.92	463.14	-4.67	54.04	404.42	-154.98
		632	42.35	-125.75	-1474.65	-131.38	-1469.03	-86.92	419.20	-56.14	-31.15	394.20	-106.10
		724	34.22	-85.82	-1178.95	-92.78	-1172.00	-86.92	376.68	-53.95	-31.91	354.64	-94.91
588	13	672	3.12	-4.15	-60.71	-4.68	-60.17	-5.46	367.18	-16.24	61.83	289.10	-154.40
		629	3.18	-3.19	-53.13	-3.79	-52.52	-5.46	423.24	-16.35	73.10	333.79	-176.98
		632	3.24	-2.65	-53.06	-3.25	-52.46	-5.46	355.82	-90.32	-53.14	318.64	-123.31
		724	3.20	-3.66	-60.64	-4.19	-60.11	-5.46	306.59	-83.63	-52.43	275.39	-105.83
588	15	672	3.12	-4.15	-60.71	-4.68	-60.17	-5.46	367.18	-16.24	61.83	289.10	-154.40
		629	3.18	-3.19	-53.13	-3.79	-52.52	-5.46	423.24	-16.35	73.10	333.79	-176.98
		632	3.24	-2.65	-53.06	-3.25	-52.46	-5.46	355.82	-90.32	-53.14	318.64	-123.31
		724	3.20	-3.66	-60.64	-4.19	-60.11	-5.46	306.59	-83.63	-52.43	275.39	-105.83
589	2	724	6.18	15.57	-188.28	-15.38	-157.33	-73.15	0.48	-165.14	-0.64	-164.02	13.58
		632	8.64	-7.69	-281.52	-28.86	-260.34	-73.15	3.32	-159.90	3.31	-159.89	1.65
		757	8.71	14.79	-277.11	-4.87	-257.46	-73.15	-70.13	-169.13	-70.51	-168.75	6.19
		704	6.24	34.60	-182.99	6.34	-154.72	-73.15	-64.55	-174.95	-67.46	-172.04	17.68
589	6	724	41.85	-83.41	-1429.98	-103.79	-1409.59	-164.43	574.18	10.33	61.24	523.27	-161.60
		632	60.11	-176.20	-2101.00	-190.35	-2086.85	-164.43	618.45	17.32	67.13	568.64	-165.71
		757	61.23	-63.97	-2086.77	-77.43	-2073.31	-164.43	590.40	34.90	57.79	567.52	-110.40
		704	42.94	17.52	-1416.45	-1.59	-1397.34	-164.43	547.41	27.64	52.79	522.26	-111.54
589	14	724	4.36	7.41	-133.03	-10.25	-115.37	-46.56	37.81	-74.00	10.62	-46.82	-47.97
		632	5.74	-5.88	-190.80	-18.46	-178.22	-46.56	54.12	-66.58	15.11	-27.57	-56.46
		757	5.70	7.67	-188.27	-4.10	-176.50	-46.56	0.98	-65.62	-31.49	-33.16	-33.29
		704	4.30	19.06	-130.13	2.75	-113.82	-46.56	-12.87	-70.56	-31.55	-51.88	-27.00
589	16	724	4.21	5.74	-128.51	-9.62	-113.15	-42.73	72.32	-72.88	15.00	-15.56	-70.97
		632	5.39	-5.83	-180.70	-16.99	-169.54	-42.73	94.39	-64.32	20.06	10.02	-79.20
		757	5.30	6.24	-178.49	-4.24	-168.01	-42.73	41.38	-58.99	-22.52	4.91	-48.28
		704	4.10	16.18	-126.04	1.91	-111.77	-42.73	21.16	-64.88	-23.54	-20.18	-42.99
590	2	704	9.75	5.70	-324.73	5.70	-324.73	-0.46	124.98	-81.98	-20.50	63.51	-94.57
		757	13.39	-7.96	-454.84	-7.96	-454.84	-0.46	149.77	-76.12	-16.27	89.92	-99.69
		712	13.01	-49.79	-459.86	-49.79	-459.86	-0.46	116.59	-68.34	-38.95	87.20	-67.61
		681	9.38	-32.16	-329.27	-32.16	-329.27	-0.46	93.08	-73.06	-41.02	61.05	-65.54
590	10	704	48.58	2.88	-1593.16	2.81	-1593.09	10.82	686.10	133.50	135.73	683.88	35.00
		757	64.36	-60.40	-2180.87	-60.45	-2180.82	10.82	657.57	139.40	139.69	657.28	12.32
		712	63.15	-215.68	-2199.52	-215.74	-2199.46	10.82	639.60	-14.03	-13.34	638.92	-21.21
		681	47.43	-137.65	-1610.03	-137.73	-1609.95	10.82	667.29	-2.81	-2.78	667.26	4.65
590	14	704	7.01	2.24	-225.78	2.20	-225.74	-3.24	147.27	-21.21	13.48	112.58	-68.12
		757	9.31	-6.60	-309.66	-6.64	-309.62	-3.24	159.60	-23.38	16.39	119.82	-75.47
		712	9.13	-33.00	-312.83	-33.03	-312.79	-3.24	141.16	-53.96	-27.37	114.57	-66.94
		681	6.84	-21.64	-228.65	-21.70	-228.60	-3.24	131.04	-49.35	-26.14	107.82	-60.40
590	16	704	6.82	1.42	-216.35	1.33	-216.26	-4.38	168.35	-5.67	25.00	137.68	-66.30
		757	8.93	-6.77	-293.83	-6.84	-293.77	-4.38	177.37	-9.82	27.78	139.78	-75.00
		712	8.78	-30.89	-296.73	-30.96	-296.66	-4.38	161.50	-54.58	-26.36	133.28	-72.82
		681	6.69	-20.40	-218.98	-20.50	-218.88	-4.38	154.93	-47.13	-24.00	131.80	-64.33
591	2	633	17.36	-56.33	-571.93	-60.11	-568.14	43.99	477.54	0.12	62.27	415.38	160.65
		635	11.57	-28.82	-374.07	-34.52	-368.37	43.99	375.49	-11.66	45.37	318.45	137.22
		722	12.16	2.02	-369.90	-3.26	-364.62	43.99	308.83	-59.13	-56.52	306.23	30.85
		774	17.94	-22.00	-567.57	-25.57	-564.00	43.99	405.95	-54.39	-50.31	401.87	43.13
591	12	633	75.70	-237.44	-2528.46	-246.69	-2519.22	145.26	1422.02	93.32	99.42	1415.91	89.83
		635	53.19	-131.19	-1729.76	-144.50	-1716.45	145.26	1200.43	67.94	73.47	1194.89	78.97
		722	54.55	-18.68	-1715.38	-31.20	-1702.86	145.26	1220.27	60.53	84.58	1196.23	-165.26
		774	77.05	-112.69	-2513.02	-121.51	-2504.19	145.26	1441.75	87.33	111.69	1417.39	-180.01
591	14	633	12.40	-38.15	-402.51	-41.00	-399.66	32.12	373.85	5.35	50.03	329.16	120.29
		635	8.41	-19.24	-266.67	-23.48	-262.43	32.12	302.41	-2.74	38.27	261.40	104.08
		722	8.80	0.88	-263.94	-3.07	-259.98	32.12	256.04	-34.99	-31.92	252.98	29.72
		774	12.78	-15.75	-399.66	-18.46	-396.95	32.12	323.99	-31.66	-27.53	319.86	38.12
591	16	633	12.02	-36.10	-387.77	-38.94	-384.93	31.44	376.45	7.38	50.87	332.96	118.99
		635	8.22	-18.08	-258.37	-22.27	-254.18	31.44	307.82	-0.35	39.60	267.88	103.51
		722	8.59	0.62	-255.82	-3.30	-251.91	31.44	263.38	-30.91	-27.37	259.84	32.08
		774	12.38	-15.29	-385.11	-17.98	-382.42	31.44	328.64	-27.69	-23.12	324.08	40.07
592	2	774	22.18	-22.46	-605.31	-24.30	-603.48	-32.64	1114.95	47.90	96.60	1066.25	222.70
		722	16.44	-0.25	-419.57	-2.81	-417.02	-32.64	942.08	28.60	69.80	900.88	189.58
		682	16.27	-17.29	-421.72	-19.94	-419.07	-32.64	884.79	-64.86	-64.80	884.73	7.84
		702	22.04	-41.34	-607.64	-43.23	-605.75	-32.64	1048.84	-52.55	-52.11	1048.40	21.89

592	12	774	83.41	-104.42	-2559.53	-112.41	-2551.54	-139.87	2485.88	190.43	193.70	2482.60	86.68
		722	62.60	-17.18	-1838.85	-27.98	-1828.05	-139.87	2185.56	149.52	150.47	2184.60	44.14
		682	62.12	-63.11	-1844.64	-74.15	-1833.59	-139.87	2203.96	-30.80	5.91	2167.26	-284.04
		702	82.96	-155.29	-2565.81	-163.43	-2557.66	-139.87	2494.37	3.03	33.98	2463.43	-275.91
592	14	774	16.00	-17.10	-435.80	-18.07	-434.83	-20.16	816.31	44.94	77.03	784.22	154.01
		722	11.93	-1.53	-304.55	-2.88	-303.20	-20.16	691.52	31.20	57.33	665.40	128.72
		682	11.85	-13.12	-305.99	-14.51	-304.60	-20.16	652.77	-47.95	-47.94	652.76	-1.81
		702	15.94	-29.93	-437.37	-30.93	-436.37	-20.16	770.39	-39.40	-39.28	770.27	9.79
592	16	774	15.59	-17.01	-424.06	-17.83	-423.25	-18.21	800.07	48.09	78.10	770.06	147.20
		722	11.65	-2.03	-297.41	-3.16	-296.28	-18.21	678.54	34.75	58.76	654.53	121.98
		682	11.59	-13.02	-298.77	-14.19	-297.60	-18.21	641.85	-47.23	-47.19	641.81	-4.90
		702	15.54	-29.17	-425.55	-30.01	-424.71	-18.21	756.07	-39.03	-38.97	756.01	7.01
593	2	702	20.83	-40.77	-446.81	-42.31	-445.27	-24.94	1834.95	37.39	154.20	1718.14	443.08
		682	14.60	-18.19	-266.10	-20.72	-263.57	-24.94	1512.32	-5.55	108.65	1398.12	400.36
		754	14.13	-22.35	-266.64	-24.92	-264.07	-24.94	1383.15	-31.24	-29.62	1381.53	47.81
		616	20.49	-45.40	-447.38	-46.95	-445.83	-24.94	1701.50	-0.26	1.43	1699.81	53.55
593	10	702	76.52	-223.07	-2326.27	-223.07	-2326.27	0.18	2751.15	17.24	86.54	2681.85	429.74
		682	49.20	-108.14	-1376.32	-108.14	-1376.32	0.18	2388.83	-30.09	47.12	2311.62	425.20
		754	49.08	-90.14	-1374.16	-90.14	-1374.16	0.18	2323.34	143.72	143.83	2323.23	15.56
		616	76.44	-203.17	-2323.89	-203.17	-2323.89	0.18	2694.88	193.19	193.40	2694.67	-22.87
593	14	702	15.62	-30.72	-337.96	-31.44	-337.24	-14.83	1364.13	26.30	113.20	1277.23	329.71
		682	10.92	-14.11	-202.62	-15.29	-201.45	-14.83	1116.93	-6.65	78.33	1031.95	297.09
		754	10.61	-16.98	-202.98	-18.17	-201.79	-14.83	1020.01	-27.64	-26.95	1019.32	26.87
		616	15.40	-33.90	-338.35	-34.62	-337.63	-14.83	1264.04	-3.88	-3.12	1263.27	31.15
593	16	702	15.46	-30.43	-335.73	-31.00	-335.16	-13.12	1345.47	25.33	111.07	1259.73	325.32
		682	10.80	-14.11	-201.86	-15.03	-200.93	-13.12	1098.66	-7.59	76.26	1014.81	292.80
		754	10.51	-16.85	-202.20	-17.78	-201.26	-13.12	1002.74	-29.11	-28.59	1002.22	22.97
		616	15.26	-33.47	-336.10	-34.04	-335.53	-13.12	1246.42	-5.37	-4.78	1245.83	27.19
594	1	618	17.30	21.11	-369.68	-368.17	19.60	24.25	1345.40	-68.40	1229.74	47.26	-387.49
		616	17.19	-28.53	-375.86	-374.16	-30.23	24.25	1484.89	-120.65	1239.09	125.15	-578.12
		754	14.17	-14.53	-283.34	-281.13	-16.74	24.25	1334.14	-148.98	1082.45	102.71	-556.72
		617	14.19	30.29	-277.64	-275.72	28.37	24.25	1200.35	-94.13	1073.99	32.22	-384.18
594	6	618	78.41	-414.08	-2578.18	-2573.27	-418.99	-102.97	2129.60	-536.92	1941.91	-349.24	-682.08
		616	80.51	-101.72	-2540.08	-2535.72	-106.08	-102.97	2413.98	-269.65	2001.02	143.31	-968.35
		754	49.43	19.60	-1434.79	-1427.46	12.28	-102.97	2139.04	-283.58	1763.67	91.79	-876.63
		617	47.42	-262.09	-1470.29	-1461.45	-270.93	-102.97	1880.81	-524.65	1710.17	-354.01	-617.54
594	13	618	13.31	16.24	-284.37	-283.21	15.08	18.65	1034.93	-52.61	945.95	36.36	-298.07
		616	13.22	-21.95	-289.12	-287.81	-23.26	18.65	1142.22	-92.81	953.14	96.27	-444.71
		754	10.90	-11.18	-217.95	-216.26	-12.88	18.65	1026.26	-114.60	832.66	79.01	-428.25
		617	10.92	23.30	-213.57	-212.09	21.82	18.65	923.34	-72.41	826.15	24.78	-295.52
594	15	618	13.31	16.24	-284.37	-283.21	15.08	18.65	1034.93	-52.61	945.95	36.36	-298.07
		616	13.22	-21.95	-289.12	-287.81	-23.26	18.65	1142.22	-92.81	953.14	96.27	-444.71
		754	10.90	-11.18	-217.95	-216.26	-12.88	18.65	1026.26	-114.60	832.66	79.01	-428.25
		617	10.92	23.30	-213.57	-212.09	21.82	18.65	923.34	-72.41	826.15	24.78	-295.52
595	1	701	17.19	-28.53	-375.86	-374.15	-30.23	-24.25	1484.89	-120.65	1239.09	125.15	578.13
		683	17.30	21.12	-369.68	-368.17	19.61	-24.25	1345.41	-68.40	1229.74	47.27	387.49
		713	14.19	30.29	-277.64	-275.72	28.37	-24.25	1200.34	-94.13	1073.99	32.22	384.18
		703	14.17	-14.53	-283.34	-281.13	-16.74	-24.25	1334.14	-148.98	1082.45	102.71	556.72
595	8	701	80.51	-101.72	-2540.07	-2535.71	-106.08	102.97	2413.99	-269.65	2001.02	143.32	968.36
		683	78.41	-414.08	-2578.18	-2573.27	-418.99	102.97	2129.60	-536.93	1941.91	-349.24	682.10
		713	47.41	-262.09	-1470.26	-1461.42	-270.93	102.97	1880.82	-524.66	1710.17	-354.01	617.55
		703	49.43	19.60	-1434.77	-1427.44	12.28	102.97	2139.05	-283.59	1763.67	91.79	876.64
595	13	701	13.22	-21.95	-289.12	-287.81	-23.26	-18.65	1142.22	-92.81	953.14	96.27	444.71
		683	13.31	16.24	-284.37	-283.21	15.08	-18.65	1034.93	-52.61	945.95	36.36	298.07
		713	10.92	23.30	-213.57	-212.09	21.82	-18.65	923.34	-72.41	826.14	24.79	295.53
		703	10.90	-11.18	-217.95	-216.26	-12.88	-18.65	1026.26	-114.60	832.65	79.01	428.25
595	15	701	13.22	-21.95	-289.12	-287.81	-23.26	-18.65	1142.22	-92.81	953.14	96.27	444.71
		683	13.31	16.24	-284.37	-283.21	15.08	-18.65	1034.93	-52.61	945.95	36.36	298.07
		713	10.92	23.30	-213.57	-212.09	21.82	-18.65	923.34	-72.41	826.14	24.79	295.53
		703	10.90	-11.18	-217.95	-216.26	-12.88	-18.65	1026.26	-114.60	832.65	79.01	428.25
596	2	692	14.60	-18.19	-266.10	-20.72	-263.56	24.94	1512.31	-5.55	108.65	1398.12	-400.36
		770	20.83	-40.77	-446.81	-42.31	-445.27	24.94	1834.95	37.39	154.19	1718.15	-443.08
		701	20.49	-45.40	-447.38	-46.95	-445.83	24.94	1701.50	-0.26	1.43	1699.81	-53.55
		703	14.13	-22.35	-266.64	-24.92	-264.07	24.94	1383.15	-31.24	-29.62	1381.53	-47.81
596	12	692	49.20	-108.14	-1376.31	-108.14	-1376.31	-0.19	2388.82	-30.09	47.11	2311.62	-425.19
		770	76.52	-223.07	-2326.28	-223.07	-2326.28	-0.19	2751.15	17.24	86.54	2681.85	-429.73
		701	76.44	-203.18	-2323.89	-203.18	-2323.89	-0.19	2694.88	193.19	193.40	2694.67	22.88
		703	49.08	-90.14	-1374.16	-90.14	-1374.16	-0.19	2323.34	143.72	143.83	2323.23	-15.55
596	14	692	10.92	-14.11	-202.62	-15.29	-201.44	14.83	1116.93	-6.65	78.32	1031.95	-297.08
		770	15.62	-30.72	-337.96	-31.44	-337.24	14.83	1364.13	26.30	113.20	1277.23	-329.70
		701	15.40	-33.90	-338.35	-34.62	-337.63	14.83	1264.04	-3.88	-3.12	1263.27	-31.15
		703	10.61	-16.98	-202.98	-18.17	-201.79	14.83	1020.01	-27.64	-26.95	1019.32	-26.87
596	16	692	10.80	-14.11	-201.85	-15.03	-200.93	13.11	1098.66	-7.59	76.26	1014.81	-292.79
		770	15.46	-30.43	-335.73	-31.00	-335.17	13.11	1345.47	25.33	111.07	1259.73	-325.32
		701	15.26	-33.47	-336.10	-34.04	-335.53	13.11	1246.42	-5.37	-4.78	1245.83	-27.19
		703	10.51	-16.85	-202.20	-17.78	-201.26	13.11	1002.74	-29.11	-28.59	1002.23	-22.97
597	2	691	16.44	-0.25	-419.57	-2.81	-417.02	32.64	942.08	28.60	69.80	900.88	-189.57

		756	22.18	-22.46	-605.31	-24.30	-603.48	32.64	1114.95	47.90	96.60	1066.25	-222.69
		770	22.04	-41.34	-607.64	-43.23	-605.75	32.64	1048.84	-52.55	-52.12	1048.40	-21.89
		692	16.27	-17.29	-421.72	-19.94	-419.07	32.64	884.79	-64.87	-64.80	884.72	-7.83
597	10	691	62.60	-17.17	-1838.85	-27.98	-1828.05	139.86	2185.56	149.52	150.47	2184.60	-44.13
		756	83.41	-104.42	-2559.54	-112.41	-2551.55	139.86	2485.88	190.43	193.70	2482.60	-86.67
		770	82.96	-155.29	-2565.80	-163.43	-2557.66	139.86	2494.38	3.03	33.98	2463.43	275.93
		692	62.12	-63.11	-1844.63	-74.16	-1833.58	139.86	2203.96	-30.80	5.91	2167.25	284.05
597	14	691	11.93	-1.53	-304.55	-2.88	-303.20	20.16	691.52	31.20	57.33	665.40	-128.72
		756	16.00	-17.10	-435.80	-18.07	-434.83	20.16	816.31	44.94	77.03	784.23	-154.01
		770	15.94	-29.93	-437.37	-30.93	-436.37	20.16	770.39	-39.40	-39.28	770.27	-9.79
		692	11.85	-13.12	-305.99	-14.51	-304.60	20.16	652.77	-47.95	-47.94	652.76	1.82
597	16	691	11.65	-2.03	-297.41	-3.16	-296.28	18.21	678.54	34.75	58.76	654.53	-121.98
		756	15.59	-17.01	-424.07	-17.83	-423.25	18.21	800.07	48.09	78.10	770.06	-147.20
		770	15.54	-29.17	-425.55	-30.01	-424.71	18.21	756.07	-39.03	-38.97	756.01	-7.01
		692	11.59	-13.02	-298.77	-14.19	-297.60	18.21	641.85	-47.23	-47.20	641.81	4.91
598	2	681	11.57	-28.82	-374.07	-34.52	-368.37	-43.99	375.49	-11.66	45.37	318.45	-137.22
		712	17.36	-56.33	-571.93	-60.11	-568.15	-43.99	477.54	0.12	62.27	415.39	-160.65
		756	17.94	-22.00	-567.57	-25.57	-564.00	-43.99	405.95	-54.39	-50.31	401.88	-43.13
		691	12.16	2.02	-369.90	-3.26	-364.62	-43.99	308.83	-59.13	-56.52	306.23	-30.85
598	10	681	53.19	-131.19	-1729.75	-144.50	-1716.44	-145.26	1200.42	67.93	73.47	1194.89	-78.97
		712	75.70	-237.45	-2528.47	-246.69	-2519.22	-145.26	1422.02	93.32	99.42	1415.92	-89.83
		756	77.05	-112.69	-2513.02	-121.51	-2504.19	-145.26	1441.75	87.33	111.70	1417.39	180.01
		691	54.55	-18.68	-1715.38	-31.20	-1702.85	-145.26	1220.27	60.53	84.58	1196.22	165.26
598	14	681	8.41	-19.24	-266.67	-23.48	-262.43	-32.12	302.41	-2.74	38.27	261.40	-104.08
		712	12.40	-38.15	-402.51	-41.00	-399.66	-32.12	373.85	5.35	50.03	329.16	-120.29
		756	12.78	-15.75	-399.66	-18.46	-396.95	-32.12	323.99	-31.66	-27.53	319.86	-38.12
		691	8.80	0.88	-263.93	-3.07	-259.98	-32.12	256.04	-34.99	-31.92	252.98	-29.72
598	16	681	8.22	-18.08	-258.37	-22.27	-254.18	-31.44	307.82	-0.35	39.60	267.88	-103.51
		712	12.02	-36.10	-387.77	-38.94	-384.93	-31.44	376.45	7.38	50.87	332.96	-118.99
		756	12.38	-15.29	-385.11	-17.98	-382.42	-31.44	328.65	-27.69	-23.12	324.08	-40.07
		691	8.59	0.62	-255.82	-3.30	-251.91	-31.44	263.38	-30.91	-27.37	259.84	-32.08
599	1	258	9.85	81.34	-169.03	-168.92	81.22	-5.39	505.78	-321.92	505.78	-321.92	1.98
		623	9.85	81.34	-169.03	-168.92	81.22	-5.39	505.78	-321.92	505.78	-321.92	1.98
		269	9.85	81.34	-169.03	-168.92	81.22	-5.39	505.78	-321.92	505.78	-321.92	1.98
599	12	258	47.21	673.34	-745.14	-744.10	672.30	-38.45	443.15	-2331.07	-2329.10	441.18	-73.91
		623	47.21	673.34	-745.14	-744.10	672.30	-38.45	443.15	-2331.07	-2329.10	441.18	-73.91
		269	47.21	673.34	-745.14	-744.10	672.30	-38.45	443.15	-2331.07	-2329.10	441.18	-73.91
599	13	258	7.58	62.57	-130.03	-129.94	62.48	-4.15	389.06	-247.63	389.06	-247.63	1.52
		623	7.58	62.57	-130.03	-129.94	62.48	-4.15	389.06	-247.63	389.06	-247.63	1.52
		269	7.58	62.57	-130.03	-129.94	62.48	-4.15	389.06	-247.63	389.06	-247.63	1.52
599	15	258	7.58	62.57	-130.03	-129.94	62.48	-4.15	389.06	-247.63	389.06	-247.63	1.52
		623	7.58	62.57	-130.03	-129.94	62.48	-4.15	389.06	-247.63	389.06	-247.63	1.52
		269	7.58	62.57	-130.03	-129.94	62.48	-4.15	389.06	-247.63	389.06	-247.63	1.52
600	1	248	9.85	81.34	-169.03	-164.45	76.76	-33.54	505.78	-321.92	486.11	-302.25	126.07
		634	9.85	81.34	-169.03	-164.45	76.76	-33.54	505.78	-321.92	486.11	-302.25	126.07
		258	9.85	81.34	-169.03	-164.45	76.76	-33.54	505.78	-321.92	486.11	-302.25	126.07
600	10	248	47.21	673.34	-745.14	-721.29	649.49	-182.39	443.17	-2331.08	-2284.09	396.18	-357.96
		634	47.21	673.34	-745.14	-721.29	649.49	-182.39	443.17	-2331.08	-2284.09	396.18	-357.96
		258	47.21	673.34	-745.14	-721.29	649.49	-182.39	443.17	-2331.08	-2284.09	396.18	-357.96
600	13	248	7.58	62.57	-130.03	-126.50	59.05	-25.80	389.06	-247.63	373.93	-232.50	96.98
		634	7.58	62.57	-130.03	-126.50	59.05	-25.80	389.06	-247.63	373.93	-232.50	96.98
		258	7.58	62.57	-130.03	-126.50	59.05	-25.80	389.06	-247.63	373.93	-232.50	96.98
600	15	248	7.58	62.57	-130.03	-126.50	59.05	-25.80	389.06	-247.63	373.93	-232.50	96.98
		634	7.58	62.57	-130.03	-126.50	59.05	-25.80	389.06	-247.63	373.93	-232.50	96.98
		258	7.58	62.57	-130.03	-126.50	59.05	-25.80	389.06	-247.63	373.93	-232.50	96.98
601	1	625	9.64	43.56	-193.19	-180.27	30.65	-53.76	775.92	125.77	728.30	173.39	169.39
		618	9.64	43.56	-193.19	-180.27	30.65	-53.76	775.92	125.77	728.30	173.39	169.39
		617	9.64	43.56	-193.19	-180.27	30.65	-53.76	775.92	125.77	728.30	173.39	169.39
601	6	625	48.71	361.71	-1302.05	-1249.12	308.78	292.00	1631.97	-145.00	1449.81	37.16	538.98
		618	48.71	361.71	-1302.05	-1249.12	308.78	292.00	1631.97	-145.00	1449.81	37.16	538.98
		617	48.71	361.71	-1302.05	-1249.12	308.78	292.00	1631.97	-145.00	1449.81	37.16	538.98
601	13	625	7.42	33.51	-148.61	-138.67	23.58	-41.36	596.86	96.75	560.23	133.38	130.30
		618	7.42	33.51	-148.61	-138.67	23.58	-41.36	596.86	96.75	560.23	133.38	130.30
		617	7.42	33.51	-148.61	-138.67	23.58	-41.36	596.86	96.75	560.23	133.38	130.30
601	15	625	7.42	33.51	-148.61	-138.67	23.58	-41.36	596.86	96.75	560.23	133.38	130.30
		618	7.42	33.51	-148.61	-138.67	23.58	-41.36	596.86	96.75	560.23	133.38	130.30
		617	7.42	33.51	-148.61	-138.67	23.58	-41.36	596.86	96.75	560.23	133.38	130.30
602	2	623	8.13	45.77	-251.65	33.18	-239.06	59.88	370.06	194.78	361.93	202.91	-36.85
		618	5.12	36.92	-100.88	2.09	-66.05	59.88	623.98	419.27	421.46	621.80	21.04
		625	4.88	27.64	-102.51	-62.90	-11.97	59.88	788.70	432.86	451.96	769.60	80.19
		269	8.59	-149.22	-330.03	-171.90	-307.35	59.88	418.13	71.02	385.21	103.94	101.70
602	6	623	69.26	380.87	-2132.69	-1999.25	247.43	563.56	942.34	-328.43	-230.05	843.95	-339.63
		618	61.86	307.07	-1803.03	-1639.91	143.95	563.56	1878.32	89.59	136.07	1831.83	284.60
		625	51.41	367.00	-1338.81	-1126.10	154.29	563.56	2395.93	335.40	522.64	2208.68	592.25
		269	38.75	706.39	-812.76	-562.45	456.08	563.56	852.66	564.49	695.45	721.71	-143.49
602	13	623	5.62	-67.99	-174.04	-107.02	-135.00	51.14	324.54	196.23	293.78	227.00	-54.78
		618	5.07	-13.74	-138.95	-112.45	-40.24	51.14	505.08	340.49	340.49	505.08	-0.79

		625	5.31	9.35	-150.40	-131.88	-9.17	51.14	612.07	362.82	370.78	604.10	43.84
		269	6.57	-119.36	-221.95	-174.61	-166.70	51.14	343.12	158.73	337.01	164.84	33.02
602	15	623	5.62	-67.99	-174.04	-107.02	-135.00	51.14	324.54	196.23	293.78	227.00	-54.78
		618	5.07	-13.74	-138.95	-112.45	-40.24	51.14	505.08	340.49	340.49	505.08	-0.79
		625	5.31	9.35	-150.40	-131.88	-9.17	51.14	612.07	362.82	370.78	604.10	43.84
		269	6.57	-119.36	-221.95	-174.61	-166.70	51.14	343.12	158.73	337.01	164.84	33.02
603	2	637	13.39	-7.96	-454.84	-7.96	-454.84	0.46	149.77	-76.12	-16.27	89.92	99.69
		636	9.75	5.70	-324.73	5.70	-324.73	0.46	124.98	-81.98	-20.50	63.51	94.57
		635	9.38	-32.16	-329.27	-32.16	-329.27	0.46	93.08	-73.06	-41.03	61.05	65.54
		633	13.01	-49.79	-459.86	-49.79	-459.86	0.46	116.59	-68.34	-38.95	87.20	67.61
603	12	637	64.36	-60.40	-2180.87	-60.46	-2180.82	-10.82	657.57	139.40	139.69	657.28	-12.31
		636	48.58	2.88	-1593.16	2.81	-1593.09	-10.82	686.10	133.50	135.72	683.88	-35.00
		635	47.43	-137.65	-1610.04	-137.73	-1609.96	-10.82	667.29	-2.81	-2.78	667.26	-4.65
		633	63.15	-215.68	-2199.52	-215.74	-2199.46	-10.82	639.61	-14.02	-13.34	638.92	21.21
603	14	637	9.31	-6.60	-309.66	-6.64	-309.62	3.24	159.60	-23.38	16.39	119.82	75.47
		636	7.01	2.24	-225.78	2.20	-225.74	3.24	147.27	-21.21	13.48	112.58	68.12
		635	6.84	-21.64	-228.65	-21.70	-228.60	3.24	131.03	-49.35	-26.14	107.82	60.40
		633	9.13	-33.00	-312.83	-33.03	-312.79	3.24	141.16	-53.96	-27.37	114.57	66.94
603	16	637	8.93	-6.77	-293.83	-6.84	-293.77	4.38	177.37	-9.82	27.78	139.78	75.00
		636	6.82	1.42	-216.35	1.33	-216.26	4.38	168.35	-5.67	25.00	137.68	66.30
		635	6.69	-20.40	-218.98	-20.50	-218.88	4.38	154.93	-47.13	-24.00	131.80	64.33
		633	8.78	-30.89	-296.73	-30.96	-296.66	4.38	161.50	-54.58	-26.36	133.28	72.82
604	2	639	8.64	-7.69	-281.52	-28.86	-260.34	73.15	3.32	-159.90	3.31	-159.89	-1.65
		638	6.18	15.57	-188.28	-15.38	-157.33	73.15	0.48	-165.14	-0.64	-164.02	-13.58
		636	6.24	34.60	-182.99	6.34	-154.72	73.15	-64.55	-174.95	-67.46	-172.04	-17.68
		637	8.71	14.79	-277.11	-4.87	-257.46	73.15	-70.13	-169.13	-70.51	-168.75	-6.19
604	8	639	60.11	-176.19	-2101.00	-190.34	-2086.85	164.43	618.44	17.32	67.12	568.64	165.70
		638	41.85	-83.40	-1429.99	-103.79	-1409.60	164.43	574.18	10.33	61.24	523.27	161.60
		636	42.94	17.51	-1416.45	-1.60	-1397.34	164.43	547.41	27.64	52.79	522.26	111.54
		637	61.23	-63.97	-2086.76	-77.43	-2073.30	164.43	590.40	34.90	57.78	567.52	110.39
604	14	639	5.74	-5.88	-190.80	-18.46	-178.22	46.56	54.12	-66.58	15.11	-27.57	56.46
		638	4.36	7.41	-133.03	-10.25	-115.37	46.56	37.80	-74.00	10.62	-46.82	47.96
		636	4.30	19.06	-130.13	2.75	-113.82	46.56	-12.87	-70.56	-31.55	-51.88	27.00
		637	5.70	7.67	-188.27	-4.10	-176.50	46.56	0.98	-65.62	-31.49	-33.16	33.29
604	16	639	5.39	-5.83	-180.70	-16.99	-169.54	42.73	94.39	-64.32	20.06	10.02	79.20
		638	4.21	5.74	-128.51	-9.62	-113.15	42.73	72.32	-72.88	14.99	-15.56	70.97
		636	4.10	16.18	-126.04	1.91	-111.77	42.73	21.16	-64.88	-23.54	-20.18	42.99
		637	5.30	6.24	-178.49	-4.25	-168.01	42.73	41.38	-58.99	-22.52	4.91	48.28
605	4	705	4.85	96.55	30.01	96.42	30.15	-3.02	517.93	43.40	514.96	46.37	-37.42
		715	5.10	102.42	19.63	102.31	19.74	-3.02	519.17	54.03	516.46	56.73	-35.37
		773	9.30	257.30	38.61	257.26	38.65	-3.02	523.85	55.32	522.05	57.12	-28.97
		621	9.43	266.30	51.57	266.25	51.61	-3.02	522.95	44.16	521.00	46.11	-30.52
605	11	705	9.74	16.55	-142.03	-93.47	-32.01	-73.09	-73.85	-1436.11	-1435.56	-74.39	27.17
		715	10.07	-7.42	-162.34	-110.53	-59.23	-73.09	-97.60	-1445.17	-1444.94	-97.83	-17.63
		773	18.49	-78.33	-426.04	-409.93	-94.44	-73.09	-113.66	-1588.01	-1587.38	-114.29	-30.54
		621	19.06	-54.34	-435.80	-421.24	-68.90	-73.09	-90.76	-1591.58	-1591.42	-90.93	15.96
605	13	705	5.73	-10.38	-68.91	-68.89	-10.39	-0.84	-173.60	-868.53	-866.54	-175.59	37.16
		715	5.71	-12.31	-69.37	-69.36	-12.32	-0.84	-217.47	-878.38	-878.26	-217.59	-8.94
		773	6.52	-12.87	-74.46	-74.45	-12.88	-0.84	-232.41	-1024.45	-1023.04	-233.82	-33.41
		621	6.61	-10.86	-74.47	-74.46	-10.87	-0.84	-190.43	-1025.03	-1024.82	-190.64	13.32
605	15	705	5.73	-10.38	-68.91	-68.89	-10.39	-0.84	-173.60	-868.53	-866.54	-175.59	37.16
		715	5.71	-12.31	-69.37	-69.36	-12.32	-0.84	-217.47	-878.38	-878.26	-217.59	-8.94
		773	6.52	-12.87	-74.46	-74.45	-12.88	-0.84	-232.41	-1024.45	-1023.04	-233.82	-33.41
		621	6.61	-10.86	-74.47	-74.46	-10.87	-0.84	-190.43	-1025.03	-1024.82	-190.64	13.32
606	4	715	3.77	88.61	18.02	85.76	20.87	-13.89	311.17	28.00	298.77	40.40	-57.94
		726	4.50	99.43	-10.50	97.64	-8.71	-13.89	307.39	-3.57	293.63	10.19	-63.94
		734	7.67	222.34	9.46	221.43	10.37	-13.89	306.65	-11.82	282.00	12.83	-85.10
		773	7.77	243.59	47.97	242.60	48.96	-13.89	311.43	20.64	284.54	47.53	-84.25
606	6	715	14.10	317.11	-237.19	-23.33	103.24	269.83	373.86	-53.27	363.91	-43.33	64.40
		726	15.01	436.56	-134.48	57.70	244.38	269.83	347.19	-62.82	345.33	-60.96	27.56
		734	20.18	731.57	123.63	567.57	287.63	269.83	215.52	-76.16	213.98	-74.62	21.15
		773	22.01	740.18	19.50	618.67	141.01	269.83	211.91	-72.27	198.25	-58.61	60.79
606	13	715	4.41	-11.38	-70.24	-70.09	-11.53	-2.98	-176.61	-589.14	-589.00	-176.75	7.50
		726	4.41	-19.46	-71.05	-70.88	-19.63	-2.98	-204.23	-600.95	-600.55	-204.63	-12.59
		734	4.68	-18.18	-69.50	-69.32	-18.35	-2.98	-206.93	-667.53	-665.63	-208.83	-29.53
		773	4.77	-8.74	-68.15	-68.00	-8.89	-2.98	-178.37	-671.07	-670.80	-178.64	-11.67
606	15	715	4.41	-11.38	-70.24	-70.09	-11.53	-2.98	-176.61	-589.14	-589.00	-176.75	7.50
		726	4.41	-19.46	-71.05	-70.88	-19.63	-2.98	-204.23	-600.95	-600.55	-204.63	-12.59
		734	4.68	-18.18	-69.50	-69.32	-18.35	-2.98	-206.93	-667.53	-665.63	-208.83	-29.53
		773	4.77	-8.74	-68.15	-68.00	-8.89	-2.98	-178.37	-671.07	-670.80	-178.64	-11.67
607	4	734	5.30	148.32	-23.61	148.30	-23.59	1.63	-44.32	-166.32	-166.27	-44.37	-2.35
		735	5.30	148.32	-23.61	148.30	-23.59	1.63	-44.32	-166.32	-166.27	-44.37	-2.35
		693	5.30	148.32	-23.61	148.30	-23.59	1.63	-44.32	-166.32	-166.27	-44.37	-2.35
607	6	734	28.93	966.43	-52.52	596.99	316.92	489.85	201.15	-139.00	156.31	-94.15	-115.08
		735	28.93	966.43	-52.52	596.99	316.92	489.85	201.15	-139.00	156.31	-94.15	-115.08
		693	28.93	966.43	-52.52	596.99	316.92	489.85	201.15	-139.00	156.31	-94.15	-115.08
607	14	734	2.39	63.50	-18.42	63.50	-18.42	-0.42	-29.72	-154.31	-96.72	-87.32	-62.12

		735	2.39	63.50	-18.42	63.50	-18.42	-0.42	-29.72	-154.31	-96.72	-87.32	-62.12
		693	2.39	63.50	-18.42	63.50	-18.42	-0.42	-29.72	-154.31	-96.72	-87.32	-62.12
607	15	734	2.39	-10.43	-63.95	-63.72	-10.66	-3.50	99.36	-243.49	7.62	-151.75	-151.78
		735	2.39	-10.43	-63.95	-63.72	-10.66	-3.50	99.36	-243.49	7.62	-151.75	-151.78
		693	2.39	-10.43	-63.95	-63.72	-10.66	-3.50	99.36	-243.49	7.62	-151.75	-151.78
608	4	734	5.43	145.99	-38.42	88.74	18.83	85.32	26.46	-166.95	-20.22	-120.27	-82.76
		737	5.43	145.99	-38.42	88.74	18.83	85.32	26.46	-166.95	-20.22	-120.27	-82.76
		735	5.43	145.99	-38.42	88.74	18.83	85.32	26.46	-166.95	-20.22	-120.27	-82.76
608	8	734	20.28	32.22	-644.19	17.28	-629.25	99.41	338.49	-192.79	208.40	-62.69	228.45
		737	20.28	32.22	-644.19	17.28	-629.25	99.41	338.49	-192.79	208.40	-62.69	228.45
		735	20.28	32.22	-644.19	17.28	-629.25	99.41	338.49	-192.79	208.40	-62.69	228.45
608	14	734	2.97	67.02	-39.00	42.63	-14.61	44.63	-17.60	-135.91	-18.12	-135.38	7.87
		737	2.97	67.02	-39.00	42.63	-14.61	44.63	-17.60	-135.91	-18.12	-135.38	7.87
		735	2.97	67.02	-39.00	42.63	-14.61	44.63	-17.60	-135.91	-18.12	-135.38	7.87
608	16	734	2.80	54.20	-39.43	34.94	-20.18	37.84	-13.53	-142.15	-17.77	-137.90	22.98
		737	2.80	54.20	-39.43	34.94	-20.18	37.84	-13.53	-142.15	-17.77	-137.90	22.98
		735	2.80	54.20	-39.43	34.94	-20.18	37.84	-13.53	-142.15	-17.77	-137.90	22.98
609	1	714	4.13	-4.14	-69.07	-4.93	-68.28	7.10	550.22	-21.25	95.03	433.93	230.07
		693	4.06	-5.40	-78.92	-6.09	-78.23	7.10	477.33	-21.12	80.38	375.83	200.72
		638	4.16	-4.76	-78.84	-5.45	-78.15	7.10	398.56	-108.71	-68.16	358.01	137.58
		639	4.21	-3.45	-68.98	-4.23	-68.20	7.10	462.57	-117.42	-69.09	414.24	160.30
609	8	714	42.78	-62.72	-1466.84	-68.13	-1461.44	86.93	463.14	-4.67	54.04	404.43	154.98
		693	34.61	-28.88	-1171.78	-35.53	-1165.13	86.93	416.09	-7.01	45.19	363.89	139.14
		638	34.22	-85.82	-1178.96	-92.78	-1172.00	86.93	376.68	-53.95	-31.91	354.64	94.90
		639	42.35	-125.75	-1474.65	-131.38	-1469.03	86.93	419.20	-56.14	-31.15	394.20	106.10
609	13	714	3.18	-3.19	-53.13	-3.79	-52.52	5.46	423.24	-16.35	73.10	333.79	176.98
		693	3.12	-4.15	-60.71	-4.68	-60.17	5.46	367.18	-16.24	61.83	289.10	154.40
		638	3.20	-3.67	-60.64	-4.19	-60.11	5.46	306.58	-83.63	-52.43	275.39	105.83
		639	3.24	-2.65	-53.06	-3.25	-52.46	5.46	355.82	-90.32	-53.15	318.64	123.31
609	15	714	3.18	-3.19	-53.13	-3.79	-52.52	5.46	423.24	-16.35	73.10	333.79	176.98
		693	3.12	-4.15	-60.71	-4.68	-60.17	5.46	367.18	-16.24	61.83	289.10	154.40
		638	3.20	-3.67	-60.64	-4.19	-60.11	5.46	306.58	-83.63	-52.43	275.39	105.83
		639	3.24	-2.65	-53.06	-3.25	-52.46	5.46	355.82	-90.32	-53.15	318.64	123.31
610	4	734	4.83	143.14	4.89	139.81	8.22	-21.20	19.36	-154.96	-151.17	15.57	25.42
		693	4.76	142.55	0.83	139.31	4.07	-21.20	-16.84	-155.12	-155.06	-16.89	-2.68
		714	6.20	192.41	7.47	189.95	9.93	-21.20	-21.04	-181.31	-180.71	-21.64	-9.84
		725	6.26	193.02	12.00	190.50	14.52	-21.20	16.55	-178.73	-176.40	14.22	21.20
610	6	734	23.05	812.17	37.79	806.60	43.36	65.41	116.98	-40.71	85.26	-8.99	-63.21
		693	23.11	810.89	27.76	805.39	33.26	65.41	130.61	-38.07	87.01	5.52	-73.85
		714	34.88	1248.74	81.82	1245.06	85.50	65.41	121.75	-39.15	77.47	5.13	-71.86
		725	34.81	1250.11	92.95	1246.40	96.66	65.41	106.36	-41.72	75.54	-10.91	-60.11
610	14	734	2.27	61.48	2.27	59.53	4.22	-10.57	1.96	-120.32	-119.49	1.13	-10.03
		693	2.26	60.95	-1.20	59.10	0.66	-10.57	-20.25	-125.58	-122.43	-23.39	-17.92
		714	3.20	94.49	3.33	93.25	4.57	-10.57	-20.83	-134.44	-129.74	-25.54	-22.64
		725	3.21	95.02	7.22	93.73	8.51	-10.57	3.05	-127.98	-126.49	1.56	-13.91
610	16	734	1.85	47.89	1.81	46.15	3.56	-8.79	0.93	-116.42	-114.21	-1.27	-15.93
		693	1.84	47.37	-1.55	45.73	0.09	-8.79	-20.15	-121.32	-117.00	-24.48	-20.46
		714	2.70	78.17	2.64	77.14	3.68	-8.79	-20.12	-127.31	-121.24	-26.19	-24.77
		725	2.71	78.68	6.42	77.60	7.51	-8.79	2.68	-121.40	-118.17	-0.55	-19.76
611	2	429	6.49	78.95	-35.35	-18.03	61.63	40.98	646.09	-337.45	-335.23	643.86	-46.68
		652	8.66	-22.60	-137.28	-39.83	-120.05	40.98	987.34	-294.02	-294.02	987.34	2.74
		215	8.61	25.63	-125.70	13.58	-113.64	40.98	1099.94	-147.49	-62.65	1015.10	314.06
		214	6.58	95.82	7.59	35.38	68.04	40.98	753.33	-185.57	-103.87	671.63	264.65
611	10	429	10.27	24.89	-193.98	-128.40	-40.69	100.27	1649.37	615.12	860.14	1404.35	439.75
		652	26.46	-189.91	-732.54	-209.12	-713.33	100.27	2109.72	793.94	928.62	1975.03	398.84
		215	28.24	71.80	-694.57	58.45	-681.22	100.27	2443.79	245.36	737.10	1952.05	916.11
		214	14.80	189.84	-59.25	139.17	-8.58	100.27	2046.21	3.78	668.62	1381.37	957.02
611	14	429	4.36	48.25	-28.43	-19.62	39.44	24.45	480.40	-136.31	-135.93	480.01	-15.37
		652	5.96	-25.01	-96.24	-34.74	-86.51	24.45	733.23	-105.56	-105.55	733.22	3.20
		215	6.20	15.35	-87.44	9.16	-81.25	24.45	809.09	-84.00	-18.57	743.66	232.71
		214	4.61	60.99	7.99	24.28	44.70	24.45	565.12	-123.63	-48.96	490.45	214.13
611	16	429	4.12	43.48	-29.07	-21.89	36.30	21.67	474.09	-87.99	-87.89	474.00	-7.29
		652	5.70	-28.00	-92.57	-36.35	-84.22	21.67	722.89	-58.04	-58.03	722.87	3.63
		215	6.03	13.73	-83.89	8.66	-78.81	21.67	794.56	-72.45	-6.90	729.01	229.21
		214	4.43	55.98	8.84	23.12	41.70	21.67	559.98	-116.62	-36.77	480.13	218.29
612	2	431	4.94	91.46	-21.06	23.26	47.14	-54.98	236.43	-381.33	-346.38	201.49	-142.71
		654	8.10	5.08	-231.11	-8.50	-217.53	-54.98	228.87	-387.84	-347.89	188.92	-151.79
		652	7.60	-35.98	-238.95	-52.16	-222.77	-54.98	226.95	-433.57	-390.44	183.82	-163.18
		429	5.70	73.94	-52.44	-20.40	41.90	-54.98	234.47	-427.02	-388.93	196.38	-154.10
612	10	431	11.07	139.81	-241.43	-31.17	-70.45	-189.61	853.58	795.75	841.88	807.45	23.23
		654	34.66	-122.82	-1166.96	-158.47	-1131.31	-189.61	923.19	853.51	855.52	921.18	11.67
		652	34.56	-221.75	-1182.58	-260.75	-1143.58	-189.61	985.99	730.06	801.38	914.68	114.74
		429	12.63	83.21	-299.38	-133.45	-82.73	-189.61	920.83	667.87	787.73	800.96	126.31
612	13	431	4.67	14.79	-71.27	-24.21	-32.26	-42.84	903.42	279.27	895.82	286.87	-68.45
		654	5.97	-17.60	-140.14	-35.06	-122.67	-42.84	969.97	287.27	903.81	353.43	-201.97
		652	4.41	-35.86	-145.77	-56.40	-125.23	-42.84	420.20	136.92	278.71	278.42	-141.64
		429	3.15	2.99	-83.36	-45.55	-34.82	-42.84	271.82	210.76	270.72	211.85	-8.12

612	15	431	4.67	14.79	-71.27	-24.21	-32.26	-42.84	903.42	279.27	895.82	286.87	-68.45
		654	5.97	-17.60	-140.14	-35.06	-122.67	-42.84	969.97	287.27	903.81	353.43	-201.97
		652	4.41	-35.86	-145.77	-56.40	-125.23	-42.84	420.20	136.92	278.71	278.42	-141.64
		429	3.15	2.99	-83.36	-45.55	-34.82	-42.84	271.82	210.76	270.72	211.85	-8.12
613	1	434	9.98	-68.76	-119.29	-70.20	-117.86	-8.39	1915.78	146.94	1911.89	150.82	-82.81
		656	10.16	-68.55	-117.90	-70.02	-116.43	-8.39	1931.82	7.15	1898.64	40.34	-250.54
		654	7.57	-39.03	-113.78	-39.98	-112.82	-8.39	1210.61	-151.15	1113.35	-53.89	-350.68
		431	6.70	-39.22	-115.19	-40.16	-114.25	-8.39	1157.03	26.17	1126.61	56.59	-182.95
613	10	434	21.58	259.42	-484.15	134.80	-359.52	-277.73	329.30	-389.50	113.63	-173.83	-329.41
		656	28.48	174.66	-819.28	89.81	-734.43	-277.73	189.53	-346.92	103.21	-260.60	-197.11
		654	27.85	-10.68	-861.95	-113.78	-758.86	-277.73	799.76	-263.40	722.63	-186.27	-275.77
		431	21.18	92.95	-545.69	-68.79	-383.95	-277.73	899.70	-266.15	733.04	-99.50	-408.07
613	13	434	7.67	-52.89	-91.76	-54.00	-90.66	-6.46	1473.68	113.03	1470.69	116.02	-63.70
		656	7.81	-52.73	-90.69	-53.86	-89.56	-6.46	1486.02	5.50	1460.49	31.03	-192.72
		654	5.82	-30.02	-87.52	-30.76	-86.79	-6.46	931.24	-116.27	856.43	-41.46	-269.76
		431	5.16	-30.17	-88.61	-30.89	-87.89	-6.46	890.02	20.13	866.62	43.53	-140.73
613	15	434	7.67	-52.89	-91.76	-54.00	-90.66	-6.46	1473.68	113.03	1470.69	116.02	-63.70
		656	7.81	-52.73	-90.69	-53.86	-89.56	-6.46	1486.02	5.50	1460.49	31.03	-192.72
		654	5.82	-30.02	-87.52	-30.76	-86.79	-6.46	931.24	-116.27	856.43	-41.46	-269.76
		431	5.16	-30.17	-88.61	-30.89	-87.89	-6.46	890.02	20.13	866.62	43.53	-140.73
614	1	436	10.93	-73.36	-126.74	-84.84	-115.26	21.93	1994.22	87.04	1992.17	89.08	-62.40
		658	11.10	-59.20	-103.06	-80.79	-81.47	21.93	1994.48	76.01	1991.02	79.47	-81.41
		656	10.31	-49.60	-95.66	-65.61	-79.65	21.93	1906.47	64.37	1902.05	68.79	-90.12
		434	10.15	-60.57	-122.54	-69.67	-113.44	21.93	1905.97	75.64	1903.20	78.41	-71.12
614	10	436	18.49	64.34	-543.63	48.02	-527.31	-98.26	-236.84	-672.97	-404.25	-505.56	-212.10
		658	17.08	69.90	-506.26	52.62	-488.98	-98.26	-323.24	-552.75	-400.62	-475.37	-108.50
		656	18.85	135.89	-496.52	120.24	-480.87	-98.26	97.22	-429.96	84.43	-417.16	-81.13
		434	20.20	130.50	-534.06	115.64	-519.20	-98.26	139.00	-505.56	80.80	-447.36	-184.73
614	13	436	8.41	-56.43	-97.49	-65.26	-88.66	16.87	1534.01	66.95	1532.44	68.53	-48.00
		658	8.54	-45.54	-79.28	-62.14	-62.67	16.87	1534.22	58.47	1531.55	61.13	-62.62
		656	7.93	-38.16	-73.58	-50.47	-61.27	16.87	1466.52	49.52	1463.12	52.92	-69.32
		434	7.81	-46.59	-94.26	-53.59	-87.26	16.87	1466.13	58.18	1464.00	60.31	-54.71
614	15	436	8.41	-56.43	-97.49	-65.26	-88.66	16.87	1534.01	66.95	1532.44	68.53	-48.00
		658	8.54	-45.54	-79.28	-62.14	-62.67	16.87	1534.22	58.47	1531.55	61.13	-62.62
		656	7.93	-38.16	-73.58	-50.47	-61.27	16.87	1466.52	49.52	1463.12	52.92	-69.32
		434	7.81	-46.59	-94.26	-53.59	-87.26	16.87	1466.13	58.18	1464.00	60.31	-54.71
615	1	438	10.00	-58.36	-100.76	-72.07	-87.05	19.83	1856.82	151.56	1856.67	151.71	-16.05
		660	10.10	-48.30	-88.07	-69.63	-66.74	19.83	1851.61	108.32	1851.48	108.45	14.94
		658	11.05	-52.90	-94.14	-79.16	-67.88	19.83	1996.90	125.55	1996.59	125.86	-24.27
		436	10.95	-64.79	-105.00	-81.59	-88.19	19.83	2003.44	167.46	2001.78	169.13	-55.27
615	10	438	13.90	-0.81	-457.50	-1.01	-457.30	9.55	-344.56	-464.05	-440.91	-367.71	-47.22
		660	11.08	11.98	-351.40	11.73	-351.15	9.55	-361.79	-457.96	-442.11	-377.65	-35.69
		658	11.70	70.22	-344.37	70.00	-344.15	9.55	-334.15	-425.15	-388.12	-371.17	-44.70
		436	14.51	57.44	-450.49	57.26	-450.31	9.55	-316.39	-431.76	-386.93	-361.23	-56.23
615	13	438	7.69	-44.89	-77.51	-55.44	-66.96	15.26	1428.33	116.59	1428.21	116.70	-12.35
		660	7.77	-37.15	-67.75	-53.56	-51.34	15.26	1424.31	83.32	1424.22	83.42	11.49
		658	8.50	-40.69	-72.41	-60.89	-52.21	15.26	1536.08	96.58	1535.84	96.82	-18.67
		436	8.43	-49.84	-80.77	-62.77	-67.84	15.26	1541.11	128.82	1539.83	130.10	-42.51
615	15	438	7.69	-44.89	-77.51	-55.44	-66.96	15.26	1428.33	116.59	1428.21	116.70	-12.35
		660	7.77	-37.15	-67.75	-53.56	-51.34	15.26	1424.31	83.32	1424.22	83.42	11.49
		658	8.50	-40.69	-72.41	-60.89	-52.21	15.26	1536.08	96.58	1535.84	96.82	-18.67
		436	8.43	-49.84	-80.77	-62.77	-67.84	15.26	1541.11	128.82	1539.83	130.10	-42.51
616	1	440	8.17	-47.07	-74.48	-55.76	-65.79	12.76	1538.04	148.19	1538.03	148.20	-3.14
		662	8.18	-43.17	-68.80	-54.73	-57.24	12.76	1539.80	134.10	1536.71	137.18	65.82
		660	10.04	-50.15	-77.47	-68.70	-58.92	12.76	1861.43	174.08	1859.58	175.93	55.83
		438	10.02	-55.78	-81.40	-69.72	-67.46	12.76	1861.00	186.84	1860.90	186.95	-13.13
616	7	440	9.64	142.74	-57.44	-52.02	137.33	-32.47	1302.50	266.90	1300.66	268.73	43.61
		662	9.66	141.78	-57.58	-52.14	136.34	-32.47	1304.04	264.03	1300.52	267.54	60.38
		660	10.59	138.37	-81.14	-76.22	133.45	-32.47	1382.23	273.79	1379.05	276.97	59.31
		438	10.58	139.33	-81.00	-76.10	134.44	-32.47	1380.83	276.52	1379.19	278.16	42.53
616	13	440	6.28	-36.20	-57.29	-42.89	-50.60	9.81	1183.10	114.00	1183.10	114.00	-2.42
		662	6.30	-33.21	-52.93	-42.10	-44.03	9.81	1184.46	103.15	1182.08	105.53	50.63
		660	7.73	-38.57	-59.59	-52.84	-45.32	9.81	1431.87	133.91	1430.44	135.33	42.95
		438	7.71	-42.91	-62.61	-53.63	-51.89	9.81	1431.54	143.73	1431.46	143.80	-10.10
616	15	440	6.28	-36.20	-57.29	-42.89	-50.60	9.81	1183.10	114.00	1183.10	114.00	-2.42
		662	6.30	-33.21	-52.93	-42.10	-44.03	9.81	1184.46	103.15	1182.08	105.53	50.63
		660	7.73	-38.57	-59.59	-52.84	-45.32	9.81	1431.87	133.91	1430.44	135.33	42.95
		438	7.71	-42.91	-62.61	-53.63	-51.89	9.81	1431.54	143.73	1431.46	143.80	-10.10
617	1	442	6.08	-36.32	-55.53	-40.13	-51.72	7.66	1164.19	125.94	1164.04	126.08	12.17
		664	6.11	-35.34	-53.05	-39.76	-48.63	7.66	1171.33	110.69	1163.18	118.84	92.65
		662	8.20	-44.25	-59.98	-53.90	-50.33	7.66	1545.30	158.69	1539.93	164.05	86.08
		440	8.18	-46.17	-61.52	-54.27	-53.42	7.66	1540.82	171.27	1540.80	171.29	5.61
617	7	442	7.83	113.81	-49.55	-37.92	102.17	-42.02	1082.56	192.32	1082.45	192.43	-9.76
		664	7.76	102.92	-51.73	-39.32	90.50	-42.02	1084.06	192.55	1082.64	193.97	35.54
		662	9.13	99.49	-69.13	-57.91	88.27	-42.02	1296.01	218.16	1294.75	219.43	36.94
		440	9.21	110.51	-67.08	-56.51	99.94	-42.02	1294.62	217.82	1294.56	217.88	-8.36
617	13	442	4.68	-27.94	-42.72	-30.87	-39.79	5.89	895.53	96.88	895.42	96.99	9.37

		664	4.70	-27.19	-40.81	-30.58	-37.41	5.89	901.02	85.14	894.75	91.42	71.27
		662	6.31	-34.04	-46.14	-41.46	-38.72	5.89	1188.69	122.07	1184.56	126.20	66.22
		440	6.29	-35.52	-47.32	-41.75	-41.09	5.89	1185.25	131.75	1185.23	131.77	4.32
617	15	442	4.68	-27.94	-42.72	-30.87	-39.79	5.89	895.53	96.88	895.42	96.99	9.37
		664	4.70	-27.19	-40.81	-30.58	-37.41	5.89	901.02	85.14	894.75	91.42	71.27
		662	6.31	-34.04	-46.14	-41.46	-38.72	5.89	1188.69	122.07	1184.56	126.20	66.22
		440	6.29	-35.52	-47.32	-41.75	-41.09	5.89	1185.25	131.75	1185.23	131.77	4.32
618	4	445	6.54	36.66	-37.90	34.55	-35.79	12.36	-108.29	-1078.16	-1077.54	-108.91	24.59
		666	6.49	37.40	-32.99	35.16	-30.75	12.36	-103.96	-1077.46	-1077.00	-104.43	21.28
		664	6.55	37.33	-33.00	35.09	-30.76	12.36	-105.63	-1093.11	-1092.46	-106.29	25.35
		442	6.60	36.59	-37.91	34.48	-35.80	12.36	-109.93	-1093.83	-1093.00	-110.77	28.65
618	7	445	5.78	79.83	-43.40	-29.02	65.44	-39.57	813.29	120.22	811.13	122.38	-38.60
		666	5.82	72.90	-45.17	-29.95	57.67	-39.57	811.84	123.75	811.35	124.24	18.38
		664	7.30	69.87	-57.27	-43.45	56.05	-39.57	1078.55	155.82	1078.11	156.26	20.07
		442	7.28	76.93	-55.63	-42.52	63.82	-39.57	1079.36	152.92	1077.89	154.39	-36.90
618	13	445	3.09	-18.75	-32.79	-19.66	-31.88	3.46	604.88	71.43	604.42	71.89	15.65
		666	3.13	-18.74	-32.71	-19.65	-31.80	3.46	615.69	61.14	604.48	72.36	78.06
		664	4.72	-27.79	-35.32	-30.06	-33.04	3.46	904.40	99.69	896.67	107.42	78.48
		442	4.69	-27.82	-35.38	-30.07	-33.13	3.46	896.94	106.63	896.61	106.95	16.07
618	15	445	3.09	-18.75	-32.79	-19.66	-31.88	3.46	604.88	71.43	604.42	71.89	15.65
		666	3.13	-18.74	-32.71	-19.65	-31.80	3.46	615.69	61.14	604.48	72.36	78.06
		664	4.72	-27.79	-35.32	-30.06	-33.04	3.46	904.40	99.69	896.67	107.42	78.48
		442	4.69	-27.82	-35.38	-30.07	-33.13	3.46	896.94	106.63	896.61	106.95	16.07
619	4	447	6.24	36.34	-27.55	35.29	-26.51	8.10	-101.16	-1037.77	-1037.72	-101.21	7.15
		668	6.24	36.48	-26.52	35.42	-25.46	8.10	-93.17	-1036.76	-1036.75	-93.17	-1.28
		666	6.43	36.85	-26.46	35.80	-25.41	8.10	-97.87	-1076.25	-1076.22	-97.91	6.01
		445	6.42	36.71	-27.50	35.67	-26.46	8.10	-105.74	-1077.39	-1077.18	-105.95	14.43
619	6	447	6.19	34.01	-109.46	19.95	-95.39	42.67	-69.52	-748.88	-748.88	-69.53	-1.89
		668	6.05	35.35	-103.65	20.71	-89.01	42.67	-62.33	-748.30	-748.04	-62.59	13.24
		666	5.73	34.19	-103.92	19.43	-89.16	42.67	-53.47	-677.81	-677.20	-54.08	19.53
		445	5.87	32.85	-109.72	18.67	-95.54	42.67	-61.00	-678.06	-678.03	-61.03	4.40
619	14	447	3.18	18.04	-26.70	17.30	-25.96	5.71	-39.49	-484.01	-483.74	-39.76	10.98
		668	3.19	18.04	-26.69	17.30	-25.95	5.71	-31.25	-484.66	-482.92	-32.99	28.01
		666	2.74	14.60	-27.16	13.81	-26.37	5.71	-20.37	-406.22	-403.17	-23.42	34.16
		445	2.73	14.60	-27.17	13.81	-26.38	5.71	-29.41	-404.77	-403.99	-30.19	17.12
619	15	447	1.72	-9.41	-25.42	-9.69	-25.14	2.11	348.18	51.47	347.23	52.41	16.73
		668	1.86	-9.62	-26.96	-9.88	-26.69	2.11	364.67	40.45	347.82	57.29	71.96
		666	3.14	-18.69	-28.30	-19.18	-27.81	2.11	617.42	77.30	606.39	88.32	76.38
		445	3.10	-18.42	-26.82	-18.99	-26.25	2.11	606.66	82.59	605.81	83.44	21.15
620	4	449	5.64	33.84	-20.36	33.38	-19.90	4.96	-81.52	-936.64	-936.52	-81.64	-9.92
		670	5.69	33.65	-21.81	33.20	-21.36	4.96	-68.20	-936.18	-935.05	-69.33	-31.34
		668	6.22	36.38	-21.46	35.95	-21.03	4.96	-80.94	-1035.76	-1035.34	-81.37	-20.19
		447	6.17	36.56	-20.01	36.13	-19.57	4.96	-93.67	-1036.82	-1036.81	-93.67	1.23
620	6	449	5.70	35.32	-75.62	23.92	-64.23	33.68	-56.78	-768.61	-768.07	-57.32	-19.65
		670	5.71	35.41	-75.19	23.98	-63.76	33.68	-45.42	-767.00	-766.68	-45.74	-15.18
		668	5.59	35.20	-75.24	23.74	-63.78	33.68	-43.20	-745.75	-745.72	-43.23	-4.69
		447	5.58	35.10	-75.67	23.68	-64.26	33.68	-54.68	-747.23	-747.11	-54.80	-9.16
620	14	449	3.22	19.43	-19.91	19.13	-19.61	3.44	-31.70	-499.28	-499.27	-31.70	-1.61
		670	3.27	19.17	-21.96	18.88	-21.66	3.44	-20.04	-497.88	-497.87	-20.05	1.96
		668	3.17	18.10	-22.09	17.80	-21.79	3.44	-17.70	-481.47	-481.13	-18.04	12.53
		447	3.11	18.36	-20.05	18.05	-19.74	3.44	-29.52	-482.71	-482.53	-29.69	8.95
620	16	449	2.82	17.03	-19.84	16.76	-19.56	3.19	-23.38	-426.40	-426.40	-23.38	-0.23
		670	2.88	16.76	-21.98	16.50	-21.72	3.19	-11.70	-425.15	-425.01	-11.83	7.51
		668	2.67	15.05	-22.20	14.77	-21.92	3.19	-6.64	-389.61	-388.76	-7.48	17.98
		447	2.61	15.32	-20.06	15.03	-19.77	3.19	-18.75	-390.43	-390.15	-19.03	10.24
621	4	735	7.64	120.83	-110.10	67.82	-57.09	-97.11	-165.08	-570.47	-518.23	-217.32	135.82
		746	7.64	120.83	-110.10	67.82	-57.09	-97.11	-165.08	-570.47	-518.23	-217.32	135.82
		638	7.64	120.83	-110.10	67.82	-57.09	-97.11	-165.08	-570.47	-518.23	-217.32	135.82
621	8	735	28.71	43.10	-969.41	-729.24	-197.07	-430.69	569.18	-118.94	494.05	-43.81	-214.60
		746	28.71	43.10	-969.41	-729.24	-197.07	-430.69	569.18	-118.94	494.05	-43.81	-214.60
		638	28.71	43.10	-969.41	-729.24	-197.07	-430.69	569.18	-118.94	494.05	-43.81	-214.60
621	13	735	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	719.05	-140.31	574.27	4.48	-321.65
		746	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	719.05	-140.31	574.27	4.48	-321.65
		638	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	719.05	-140.31	574.27	4.48	-321.65
621	15	735	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	719.05	-140.31	574.27	4.48	-321.65
		746	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	719.05	-140.31	574.27	4.48	-321.65
		638	4.79	-44.02	-67.83	-65.16	-46.69	-7.52	719.05	-140.31	574.27	4.48	-321.65
622	2	638	6.77	77.81	-184.81	-10.85	-96.15	124.19	-179.65	-238.65	-215.60	-202.70	-28.79
		746	6.39	87.12	-161.27	-35.42	-38.73	124.19	-171.63	-198.07	-195.95	-173.75	-7.19
		745	7.49	88.66	-192.86	-118.37	14.16	124.19	-118.13	-167.93	-145.99	-140.07	24.72
		636	7.96	13.39	-258.56	-177.95	-67.22	124.19	-120.62	-173.48	-123.98	-170.13	12.89
622	12	638	33.98	128.92	-1074.50	-119.14	-826.43	486.82	636.24	-351.60	-132.40	417.03	410.47
		746	29.46	166.99	-840.81	-206.82	-467.00	486.82	580.41	-368.51	-117.57	329.47	418.51
		745	31.09	200.21	-858.27	-536.65	-121.41	486.82	516.69	-328.75	-55.92	243.85	395.25
		636	33.72	-208.82	-1201.60	-802.23	-608.19	486.82	560.72	-202.35	-1.83	360.20	335.86
622	14	638	5.26	44.42	-132.55	-11.92	-76.21	82.44	61.19	-143.23	-78.11	-3.94	95.24
		746	5.00	49.85	-115.42	-27.12	-38.44	82.44	58.76	-142.43	-80.64	-3.03	92.81

		745	5.52	49.48	-131.86	-78.94	-3.44	82.44	54.89	-145.64	-88.09	-2.66	90.71
		636	5.88	1.10	-174.33	-116.58	-56.64	82.44	55.49	-152.69	-92.52	-4.68	94.37
622	16	638	5.31	38.38	-128.81	-13.33	-77.10	77.28	156.17	-143.78	-43.54	55.93	141.49
		746	5.04	43.17	-112.10	-27.08	-41.85	77.28	138.69	-143.29	-53.03	48.43	131.55
		745	5.43	42.23	-125.48	-74.18	-9.08	77.28	112.72	-152.53	-78.55	38.74	118.95
		636	5.80	-2.36	-164.81	-108.59	-58.59	77.28	121.54	-167.91	-91.40	45.03	127.64
623	2	636	10.91	65.06	-321.79	-238.97	-17.75	-158.68	68.87	-176.36	65.78	-173.26	27.39
		745	10.91	65.06	-321.79	-238.97	-17.75	-158.68	68.87	-176.36	65.78	-173.26	27.39
		635	10.91	65.06	-321.79	-238.97	-17.75	-158.68	68.87	-176.36	65.78	-173.26	27.39
623	8	636	50.72	321.62	-1496.90	-1397.60	222.31	-413.19	901.88	535.12	847.28	589.72	130.56
		745	50.72	321.62	-1496.90	-1397.60	222.31	-413.19	901.88	535.12	847.28	589.72	130.56
		635	50.72	321.62	-1496.90	-1397.60	222.31	-413.19	901.88	535.12	847.28	589.72	130.56
623	14	636	7.45	34.38	-225.57	-165.57	-25.61	-109.53	169.39	-62.23	166.22	-59.06	-26.90
		745	7.45	34.38	-225.57	-165.57	-25.61	-109.53	169.39	-62.23	166.22	-59.06	-26.90
		635	7.45	34.38	-225.57	-165.57	-25.61	-109.53	169.39	-62.23	166.22	-59.06	-26.90
623	16	636	7.10	28.28	-216.99	-158.38	-30.32	-104.59	220.16	-38.22	211.77	-29.83	-45.80
		745	7.10	28.28	-216.99	-158.38	-30.32	-104.59	220.16	-38.22	211.77	-29.83	-45.80
		635	7.10	28.28	-216.99	-158.38	-30.32	-104.59	220.16	-38.22	211.77	-29.83	-45.80
624	4	658	6.02	74.08	-85.56	72.83	-84.31	-14.09	-108.51	-556.79	-544.33	-120.97	73.69
		671	5.61	78.93	-48.24	77.34	-46.66	-14.09	-47.98	-551.64	-537.29	-62.33	83.78
		673	6.38	112.72	-43.85	111.44	-42.57	-14.09	-17.01	-529.69	-490.04	-56.66	136.94
		656	6.76	107.97	-81.27	106.92	-80.22	-14.09	-77.00	-535.38	-497.08	-115.30	126.85
624	10	658	17.07	88.47	-485.36	87.86	-484.75	-18.69	-111.80	-512.27	-175.69	-448.38	-146.65
		671	13.69	103.80	-359.04	103.04	-358.29	-18.69	-166.01	-465.11	-176.45	-454.68	-54.88
		673	16.64	204.94	-346.77	204.31	-346.14	-18.69	258.74	-408.67	253.19	-403.12	-60.60
		656	19.76	189.66	-473.13	189.13	-472.60	-18.69	287.85	-430.73	253.95	-396.82	-152.36
624	13	658	4.35	-44.22	-86.36	-67.30	-63.29	20.97	561.47	-58.99	558.16	-55.68	-45.21
		671	4.59	-27.31	-76.26	-64.40	-39.17	20.97	543.31	-191.94	541.97	-190.61	-31.30
		673	4.81	-19.88	-62.74	-45.70	-36.92	20.97	635.88	-211.62	607.05	-182.80	-153.61
		656	4.62	-32.94	-76.69	-48.59	-61.04	20.97	662.73	-87.35	623.25	-47.87	-167.51
624	15	658	4.35	-44.22	-86.36	-67.30	-63.29	20.97	561.47	-58.99	558.16	-55.68	-45.21
		671	4.59	-27.31	-76.26	-64.40	-39.17	20.97	543.31	-191.94	541.97	-190.61	-31.30
		673	4.81	-19.88	-62.74	-45.70	-36.92	20.97	635.88	-211.62	607.05	-182.80	-153.61
		656	4.62	-32.94	-76.69	-48.59	-61.04	20.97	662.73	-87.35	623.25	-47.87	-167.51
625	4	660	4.44	42.30	-69.28	38.72	-65.70	19.66	-42.17	-496.21	-475.49	-62.90	94.77
		675	3.91	46.96	-40.62	42.29	-35.96	19.66	-64.57	-493.64	-477.61	-80.60	81.36
		671	5.18	82.55	-34.93	79.16	-31.54	19.66	-78.89	-549.63	-540.39	-88.13	65.32
		658	5.64	78.36	-64.04	75.59	-61.27	19.66	-57.54	-551.15	-538.26	-70.43	78.72
625	10	660	11.52	10.97	-360.73	2.49	-352.25	55.49	-249.39	-367.14	-260.65	-355.88	-34.62
		675	9.43	24.10	-272.63	13.34	-261.87	55.49	-265.71	-410.42	-267.04	-409.09	-13.81
		671	10.77	124.33	-257.77	116.09	-249.54	55.49	-153.77	-413.19	-169.57	-397.39	-62.03
		658	12.81	112.06	-346.74	105.24	-339.92	55.49	-130.99	-376.38	-163.19	-344.18	-82.85
625	13	660	3.64	-37.88	-71.35	-57.44	-51.80	16.50	490.56	-28.79	490.40	-28.63	9.07
		675	3.67	-28.84	-65.95	-55.89	-38.90	16.50	490.16	-41.15	489.03	-40.02	24.45
		671	4.24	-31.64	-72.78	-64.49	-39.93	16.50	561.41	-31.71	561.08	-31.38	14.13
		658	4.20	-41.67	-77.21	-66.04	-52.83	16.50	562.45	-19.99	562.44	-19.99	-1.26
625	15	660	3.64	-37.88	-71.35	-57.44	-51.80	16.50	490.56	-28.79	490.40	-28.63	9.07
		675	3.67	-28.84	-65.95	-55.89	-38.90	16.50	490.16	-41.15	489.03	-40.02	24.45
		671	4.24	-31.64	-72.78	-64.49	-39.93	16.50	561.41	-31.71	561.08	-31.38	14.13
		658	4.20	-41.67	-77.21	-66.04	-52.83	16.50	562.45	-19.99	562.44	-19.99	-1.26
626	1	662	3.76	-43.36	-72.48	-58.18	-57.66	14.56	556.25	1.59	540.23	17.61	92.88
		676	3.79	-37.32	-67.78	-57.03	-48.07	14.56	557.69	-49.54	534.91	-26.75	115.39
		675	4.68	-42.81	-79.70	-72.58	-49.93	14.56	648.82	-22.63	640.29	-14.11	75.19
		660	4.64	-50.43	-82.82	-73.73	-59.52	14.56	650.09	25.78	645.62	30.25	52.68
626	7	662	8.31	153.41	-70.86	-53.62	136.16	-59.75	849.65	203.43	840.71	212.37	75.47
		676	8.15	147.43	-72.08	-54.39	129.74	-59.75	847.34	210.28	841.20	216.42	62.26
		675	8.79	140.40	-108.31	-93.01	125.10	-59.75	786.92	201.48	779.39	209.00	65.94
		660	8.95	146.48	-107.20	-92.24	131.53	-59.75	789.62	194.24	778.91	204.95	79.14
626	13	662	2.89	-33.35	-55.75	-44.75	-44.35	11.20	427.88	1.22	415.56	13.54	71.45
		676	2.92	-28.71	-52.14	-43.87	-36.97	11.20	428.99	-38.10	411.47	-20.58	88.76
		675	3.60	-32.93	-61.31	-55.83	-38.41	11.20	499.09	-17.41	492.53	-10.85	57.84
		660	3.57	-38.79	-63.71	-56.71	-45.79	11.20	500.07	19.83	496.63	23.27	40.52
626	15	662	2.89	-33.35	-55.75	-44.75	-44.35	11.20	427.88	1.22	415.56	13.54	71.45
		676	2.92	-28.71	-52.14	-43.87	-36.97	11.20	428.99	-38.10	411.47	-20.58	88.76
		675	3.60	-32.93	-61.31	-55.83	-38.41	11.20	499.09	-17.41	492.53	-10.85	57.84
		660	3.57	-38.79	-63.71	-56.71	-45.79	11.20	500.07	19.83	496.63	23.27	40.52
627	1	664	2.85	-35.82	-54.54	-41.51	-48.84	8.61	449.96	-9.43	411.85	28.68	126.71
		677	2.90	-34.21	-51.88	-41.05	-45.03	8.61	463.36	-39.59	410.05	13.72	154.82
		676	3.84	-41.97	-61.86	-56.89	-46.93	8.61	578.03	-6.86	541.66	29.51	141.26
		662	3.79	-44.83	-63.27	-57.35	-50.75	8.61	567.91	20.02	543.45	44.48	113.15
627	7	664	6.83	116.72	-61.57	-35.78	90.93	-62.72	764.45	152.64	761.63	155.45	41.43
		677	6.65	102.97	-65.66	-37.69	75.01	-62.72	768.45	161.73	763.03	167.15	57.08
		676	7.50	97.02	-86.14	-61.30	72.18	-62.72	843.21	169.08	836.34	175.94	67.68
		662	7.67	111.16	-82.45	-59.39	88.09	-62.72	838.95	160.24	834.94	164.25	52.02
627	13	664	2.19	-27.55	-41.95	-31.93	-37.57	6.62	346.12	-7.25	316.81	22.06	97.47
		677	2.23	-26.31	-39.91	-31.58	-34.64	6.62	356.43	-30.45	315.43	10.56	119.09
		676	2.95	-32.28	-47.58	-43.76	-36.10	6.62	444.64	-5.28	416.66	22.70	108.66

		662	2.92	-34.48	-48.67	-44.12	-39.04	6.62	436.86	15.40	418.04	34.21	87.04
627	15	664	2.19	-27.55	-41.95	-31.93	-37.57	6.62	346.12	-7.25	316.81	22.06	97.47
		677	2.23	-26.31	-39.91	-31.58	-34.64	6.62	356.43	-30.45	315.43	10.56	119.09
		676	2.95	-32.28	-47.58	-43.76	-36.10	6.62	444.64	-5.28	416.66	22.70	108.66
		662	2.92	-34.48	-48.67	-44.12	-39.04	6.62	436.86	15.40	418.04	34.21	87.04
628	4	666	3.20	35.18	-33.66	32.58	-31.06	13.12	-16.40	-364.25	-362.02	-18.63	27.78
		678	3.16	36.11	-27.92	33.30	-25.11	13.12	-2.37	-361.68	-360.24	-3.81	22.67
		677	3.21	34.64	-28.17	31.76	-25.29	13.12	-3.25	-387.55	-384.13	-6.67	36.11
		664	3.26	33.70	-33.89	31.05	-31.24	13.12	-16.90	-390.51	-385.91	-21.50	41.21
628	7	666	5.34	85.08	-52.86	-25.93	58.15	-54.67	629.10	101.68	628.48	102.30	18.07
		678	5.30	74.94	-56.62	-27.42	45.75	-54.67	633.49	107.04	629.53	111.01	45.54
		677	6.12	70.72	-68.06	-41.40	44.07	-54.67	762.64	121.95	758.15	126.44	53.43
		664	6.18	81.16	-64.60	-39.92	56.48	-54.67	758.16	116.68	757.11	117.73	25.96
628	13	666	1.62	-19.05	-33.05	-20.23	-31.86	3.89	267.47	-20.83	220.37	26.27	106.58
		678	1.70	-18.94	-32.56	-20.16	-31.34	3.89	283.01	-38.72	220.12	24.18	127.59
		677	2.30	-28.06	-35.96	-31.34	-32.68	3.89	366.30	-11.85	318.48	35.98	125.69
		664	2.24	-28.31	-36.30	-31.41	-33.21	3.89	353.47	3.32	318.73	38.07	104.68
628	15	666	1.62	-19.05	-33.05	-20.23	-31.86	3.89	267.47	-20.83	220.37	26.27	106.58
		678	1.70	-18.94	-32.56	-20.16	-31.34	3.89	283.01	-38.72	220.12	24.18	127.59
		677	2.30	-28.06	-35.96	-31.34	-32.68	3.89	366.30	-11.85	318.48	35.98	125.69
		664	2.24	-28.31	-36.30	-31.41	-33.21	3.89	353.47	3.32	318.73	38.07	104.68
629	4	668	3.04	34.97	-26.75	33.86	-25.64	8.20	-8.71	-333.77	-333.68	-8.80	-5.44
		679	3.07	35.23	-24.88	34.09	-23.74	8.20	11.36	-331.68	-331.31	10.98	-11.32
		678	3.15	34.60	-24.96	33.45	-23.81	8.20	7.80	-358.98	-358.86	7.68	6.61
		666	3.13	34.34	-26.84	33.22	-25.72	8.20	-11.66	-361.68	-361.24	-12.11	12.50
629	7	668	3.80	61.28	-39.66	-14.32	35.94	-43.77	473.80	64.92	473.77	64.95	-3.57
		679	3.84	54.64	-42.73	-15.36	27.27	-43.77	477.17	73.76	475.08	75.85	28.99
		678	4.77	49.63	-53.95	-29.85	25.53	-43.77	630.32	91.32	627.50	94.14	38.87
		666	4.75	56.62	-51.23	-28.81	34.20	-43.77	626.27	83.17	626.19	83.24	6.31
629	14	668	1.71	17.06	-26.87	16.27	-26.08	5.86	15.36	-152.63	-144.85	7.58	35.31
		679	1.74	17.17	-26.12	16.36	-25.31	5.86	31.87	-151.65	-142.98	23.20	38.95
		678	1.59	13.01	-26.70	12.13	-25.82	5.86	42.02	-142.74	-125.95	25.24	53.10
		666	1.55	12.90	-27.45	12.03	-26.58	5.86	25.57	-143.77	-127.83	9.63	49.46
629	15	668	1.28	-9.79	-27.05	-10.12	-26.72	2.35	195.37	-24.81	138.39	32.16	96.43
		679	1.38	-9.92	-27.99	-10.23	-27.67	2.35	214.92	-33.89	139.51	41.51	114.35
		678	1.73	-19.28	-29.41	-19.86	-28.83	2.35	287.39	-12.40	223.41	51.58	122.82
		666	1.64	-19.12	-28.51	-19.75	-27.88	2.35	270.50	-5.98	222.29	42.23	104.90
630	4	670	2.80	32.39	-21.90	31.99	-21.50	4.64	15.12	-298.62	-291.41	7.91	-47.01
		680	2.89	32.38	-22.02	31.98	-21.62	4.64	42.31	-297.80	-288.41	32.92	-55.74
		679	3.08	34.76	-21.71	34.37	-21.33	4.64	31.05	-332.30	-329.26	28.02	-33.07
		668	3.00	34.77	-21.60	34.39	-21.22	4.64	4.76	-334.02	-332.26	3.00	-24.34
630	9	670	4.02	49.51	-26.23	12.65	10.63	37.86	136.68	-399.10	-257.13	-5.29	236.45
		680	3.96	51.63	-24.10	13.11	14.43	37.86	142.62	-381.89	-254.65	15.38	224.83
		679	4.22	49.88	-25.95	9.89	14.04	37.86	140.73	-440.96	-309.07	8.85	243.56
		668	4.27	47.70	-28.02	9.44	10.24	37.86	134.25	-457.63	-311.55	-11.82	255.19
630	14	670	1.71	18.28	-22.03	18.02	-21.77	3.24	22.50	-143.37	-143.37	22.49	-0.71
		680	1.80	18.19	-22.78	17.93	-22.52	3.24	45.15	-140.65	-140.65	45.15	-0.65
		679	1.77	16.94	-22.94	16.68	-22.67	3.24	47.29	-142.45	-140.34	45.18	19.89
		668	1.67	17.04	-22.19	16.77	-21.92	3.24	24.87	-145.40	-143.06	22.53	19.82
630	16	670	1.55	15.93	-22.05	15.69	-21.81	3.01	25.26	-119.03	-118.69	24.92	7.01
		680	1.64	15.82	-22.91	15.59	-22.67	3.01	47.63	-116.47	-116.02	47.19	8.54
		679	1.57	13.97	-23.14	13.73	-22.90	3.01	53.14	-113.94	-108.85	48.05	28.72
		668	1.48	14.08	-22.29	13.83	-22.04	3.01	30.97	-116.71	-111.52	25.78	27.18
631	2	617	16.08	15.77	-282.66	-164.98	-101.91	145.85	1811.25	322.06	864.59	1268.72	-716.66
		754	18.62	-6.06	-307.29	-119.08	-194.27	145.85	1979.95	-95.36	617.35	1267.24	-985.46
		291	18.51	20.05	-290.96	-81.50	-189.41	145.85	1909.37	-207.20	454.55	1247.61	-981.19
		280	13.47	132.81	-160.58	1.88	-29.65	145.85	1417.46	-80.72	166.81	1169.93	-556.39
631	10	617	54.37	29.16	-1663.61	-1291.53	-342.92	701.00	2306.66	783.07	1122.02	1967.71	-633.67
		754	51.79	-235.47	-1638.80	-906.70	-967.57	701.00	1799.75	430.36	1111.62	1118.49	-684.69
		291	50.29	-46.50	-1485.75	-603.47	-928.78	701.00	1934.90	366.19	1172.27	1128.81	-784.05
		280	44.59	815.47	-592.42	47.23	175.82	701.00	3169.53	723.23	1434.87	2457.88	-1111.06
631	14	617	12.19	8.22	-219.80	-137.99	-73.58	109.36	1365.69	231.92	638.97	958.64	-543.88
		754	14.00	-10.81	-233.70	-100.81	-143.69	109.36	1490.46	-79.68	454.94	955.85	-744.04
		291	13.89	9.41	-219.96	-70.74	-139.81	109.36	1438.45	-163.29	333.90	941.26	-741.06
		280	10.10	98.30	-120.81	-4.72	-17.79	109.36	1075.65	-69.29	120.27	886.10	-425.56
631	16	617	12.13	6.85	-220.90	-142.36	-71.69	108.25	1354.84	225.67	628.68	951.83	-540.97
		754	13.87	-13.11	-232.75	-104.44	-141.42	108.25	1477.63	-82.17	447.08	948.38	-738.53
		291	13.75	7.12	-218.52	-73.91	-137.49	108.25	1426.52	-164.84	327.69	933.99	-735.67
		280	9.99	96.86	-119.82	-7.15	-15.81	108.25	1069.86	-72.12	117.10	880.64	-424.60
632	1	625	9.68	1.29	-214.22	-148.80	-64.13	99.09	925.42	450.16	700.62	674.96	-237.28
		617	9.68	1.29	-214.22	-148.80	-64.13	99.09	925.42	450.16	700.62	674.96	-237.28
		280	9.68	1.29	-214.22	-148.80	-64.13	99.09	925.42	450.16	700.62	674.96	-237.28
632	6	625	49.77	16.02	-1596.90	-424.38	-1156.50	718.59	1728.51	917.58	1663.81	982.27	-219.72
		617	49.77	16.02	-1596.90	-424.38	-1156.50	718.59	1728.51	917.58	1663.81	982.27	-219.72
		280	49.77	16.02	-1596.90	-424.38	-1156.50	718.59	1728.51	917.58	1663.81	982.27	-219.72
632	13	625	7.45	0.99	-164.79	-114.47	-49.33	76.22	711.86	346.28	538.94	519.20	-182.52
		617	7.45	0.99	-164.79	-114.47	-49.33	76.22	711.86	346.28	538.94	519.20	-182.52

		280	7.45	0.99	-164.79	-114.47	-49.33	76.22	711.86	346.28	538.94	519.20	-182.52
632	15	625	7.45	0.99	-164.79	-114.47	-49.33	76.22	711.86	346.28	538.94	519.20	-182.52
		617	7.45	0.99	-164.79	-114.47	-49.33	76.22	711.86	346.28	538.94	519.20	-182.52
		280	7.45	0.99	-164.79	-114.47	-49.33	76.22	711.86	346.28	538.94	519.20	-182.52
633	4	694	5.10	102.42	19.63	102.31	19.74	3.02	519.17	54.03	516.46	56.73	35.37
		705	4.85	96.55	30.01	96.42	30.15	3.02	517.93	43.40	514.96	46.37	37.42
		621	9.43	266.30	51.57	266.25	51.61	3.02	522.95	44.16	521.00	46.11	30.51
		622	9.30	257.30	38.61	257.26	38.65	3.02	523.85	55.32	522.05	57.12	28.97
633	9	694	10.07	-7.42	-162.34	-110.53	-59.23	73.09	-97.60	-1445.17	-1444.94	-97.83	17.64
		705	9.74	16.55	-142.03	-93.47	-32.01	73.09	-73.85	-1436.11	-1435.56	-74.39	-27.17
		621	19.06	-54.34	-435.80	-421.24	-68.90	73.09	-90.76	-1591.58	-1591.41	-90.93	-15.96
		622	18.49	-78.33	-426.04	-409.93	-94.44	73.09	-113.66	-1588.01	-1587.38	-114.29	30.54
633	13	694	5.71	-12.31	-69.37	-69.36	-12.32	0.84	-217.47	-878.38	-878.26	-217.59	8.94
		705	5.73	-10.38	-68.91	-68.89	-10.39	0.84	-173.60	-868.53	-866.54	-175.59	-37.16
		621	6.61	-10.86	-74.47	-74.46	-10.87	0.84	-190.43	-1025.03	-1024.81	-190.64	-13.32
		622	6.52	-12.87	-74.46	-74.45	-12.88	0.84	-232.41	-1024.45	-1023.04	-233.82	33.41
633	15	694	5.71	-12.31	-69.37	-69.36	-12.32	0.84	-217.47	-878.38	-878.26	-217.59	8.94
		705	5.73	-10.38	-68.91	-68.89	-10.39	0.84	-173.60	-868.53	-866.54	-175.59	-37.16
		621	6.61	-10.86	-74.47	-74.46	-10.87	0.84	-190.43	-1025.03	-1024.81	-190.64	-13.32
		622	6.52	-12.87	-74.46	-74.45	-12.88	0.84	-232.41	-1024.45	-1023.04	-233.82	33.41
634	4	773	7.07	209.40	9.84	208.30	10.94	-14.77	253.62	-23.96	230.40	-0.73	-76.86
		734	7.01	209.15	7.84	208.06	8.93	-14.77	258.44	19.15	235.53	42.06	-70.40
		725	9.05	285.01	17.15	284.20	17.96	-14.77	259.86	26.78	241.64	45.00	-62.57
		659	9.11	285.29	19.36	284.46	20.19	-14.77	254.87	-21.17	235.97	-2.27	-69.70
634	6	773	20.85	705.01	19.55	696.98	27.59	73.76	225.71	-19.58	214.94	-8.81	-50.26
		734	20.88	706.20	28.59	698.07	36.72	73.76	221.70	-9.42	215.60	-3.32	37.05
		725	26.97	919.84	56.69	913.49	63.04	73.76	300.84	0.30	294.67	6.46	42.59
		659	26.97	918.57	46.66	912.28	52.95	73.76	303.52	-9.19	293.95	0.39	-53.88
634	13	773	5.02	-3.26	-67.81	-67.73	-3.34	2.24	-5.79	-644.32	-635.37	-14.74	75.08
		734	4.88	-1.91	-67.64	-67.57	-1.99	2.24	-83.24	-646.83	-643.94	-86.14	40.28
		725	5.06	-2.05	-69.36	-69.28	-2.13	2.24	-92.51	-677.05	-675.89	-93.66	25.94
		659	5.20	-3.54	-69.54	-69.46	-3.62	2.24	-8.48	-672.73	-666.43	-14.78	64.39
634	15	773	5.02	-3.26	-67.81	-67.73	-3.34	2.24	-5.79	-644.32	-635.37	-14.74	75.08
		734	4.88	-1.91	-67.64	-67.57	-1.99	2.24	-83.24	-646.83	-643.94	-86.14	40.28
		725	5.06	-2.05	-69.36	-69.28	-2.13	2.24	-92.51	-677.05	-675.89	-93.66	25.94
		659	5.20	-3.54	-69.54	-69.46	-3.62	2.24	-8.48	-672.73	-666.43	-14.78	64.39
635	4	675	2.71	45.12	-44.11	37.53	-36.53	24.88	77.32	-55.95	39.87	-18.50	59.90
		685	2.17	52.98	-13.14	41.69	-1.85	24.88	87.13	-20.18	44.75	22.21	52.46
		684	3.36	103.09	-1.54	96.80	4.76	24.88	103.40	-75.49	9.89	18.02	89.36
		671	3.86	97.49	-34.78	92.64	-29.92	24.88	88.95	-106.63	5.00	-22.69	96.80
635	6	675	13.31	92.31	-376.47	34.86	-319.01	153.73	-28.18	-232.40	-41.63	-218.96	50.64
		685	11.83	113.25	-301.71	45.11	-233.57	153.73	3.88	-253.25	-40.43	-208.95	97.10
		684	12.54	132.15	-296.03	67.05	-230.94	153.73	206.07	-211.83	177.09	-182.85	106.18
		671	14.02	111.97	-371.55	56.80	-316.38	153.73	185.32	-202.29	175.88	-192.86	59.72
635	13	675	2.50	-31.31	-67.97	-59.90	-39.38	15.19	-92.53	-191.65	-165.60	-118.58	43.63
		685	2.51	-20.68	-64.51	-58.39	-26.80	15.19	-137.70	-230.84	-174.64	-193.90	45.56
		684	2.45	-22.59	-72.02	-66.80	-27.81	15.19	-152.75	-205.69	-165.62	-192.82	-22.71
		671	2.44	-33.71	-74.98	-68.30	-40.39	15.19	-105.59	-168.48	-156.58	-117.50	-24.64
635	15	675	2.50	-31.31	-67.97	-59.90	-39.38	15.19	-92.53	-191.65	-165.60	-118.58	43.63
		685	2.51	-20.68	-64.51	-58.39	-26.80	15.19	-137.70	-230.84	-174.64	-193.90	45.56
		684	2.45	-22.59	-72.02	-66.80	-27.81	15.19	-152.75	-205.69	-165.62	-192.82	-22.71
		671	2.44	-33.71	-74.98	-68.30	-40.39	15.19	-105.59	-168.48	-156.58	-117.50	-24.64
636	1	676	2.92	-40.33	-68.50	-60.37	-48.47	12.77	-27.77	-282.20	-195.57	-114.41	120.57
		686	2.87	-34.31	-65.93	-59.45	-40.80	12.77	-46.35	-288.89	-198.28	-136.97	117.33
		685	3.17	-38.62	-81.13	-76.87	-42.89	12.77	-72.29	-279.94	-213.44	-138.79	96.88
		675	3.21	-45.51	-82.84	-77.79	-50.56	12.77	-52.77	-274.19	-210.73	-116.23	100.12
636	6	676	9.07	57.87	-259.22	-4.02	-197.33	125.67	-46.18	-178.47	-79.38	-145.27	57.36
		686	8.32	72.72	-220.69	1.70	-149.67	125.67	-34.99	-182.89	-78.66	-139.22	67.46
		685	8.84	116.73	-203.93	55.96	-143.16	125.67	6.59	-171.51	-31.38	-133.55	72.94
		675	9.63	103.84	-244.42	50.24	-190.82	125.67	-3.16	-168.53	-32.10	-139.59	62.84
636	13	676	2.24	-31.03	-52.70	-46.44	-37.28	9.82	-21.36	-217.08	-150.44	-88.01	92.75
		686	2.21	-26.39	-50.72	-45.73	-31.38	9.82	-35.66	-222.22	-152.52	-105.36	90.25
		685	2.44	-29.71	-62.41	-59.13	-32.99	9.82	-55.61	-215.34	-164.18	-106.76	74.52
		675	2.47	-35.01	-63.72	-59.84	-38.89	9.82	-40.59	-210.91	-162.10	-89.41	77.01
636	15	676	2.24	-31.03	-52.70	-46.44	-37.28	9.82	-21.36	-217.08	-150.44	-88.01	92.75
		686	2.21	-26.39	-50.72	-45.73	-31.38	9.82	-35.66	-222.22	-152.52	-105.36	90.25
		685	2.44	-29.71	-62.41	-59.13	-32.99	9.82	-55.61	-215.34	-164.18	-106.76	74.52
		675	2.47	-35.01	-63.72	-59.84	-38.89	9.82	-40.59	-210.91	-162.10	-89.41	77.01
637	1	677	2.52	-36.22	-51.92	-42.89	-45.25	7.76	70.88	-271.48	-147.42	-53.18	164.56
		687	2.47	-34.28	-49.83	-42.46	-41.66	7.76	48.87	-271.87	-149.82	-73.18	155.72
		686	2.78	-40.60	-62.94	-59.80	-43.74	7.76	14.07	-283.44	-191.22	-78.15	137.59
		676	2.83	-43.69	-63.88	-60.23	-47.33	7.76	36.87	-283.83	-188.82	-58.14	146.43
637	6	677	6.84	50.38	-194.24	-4.91	-138.95	102.31	-8.66	-115.55	-65.24	-58.97	53.35
		687	6.30	62.54	-166.36	-0.62	-103.21	102.31	-6.30	-111.93	-64.60	-53.63	52.53
		686	6.37	68.65	-163.50	7.39	-102.25	102.31	-3.45	-119.08	-68.44	-54.09	57.37
		676	6.91	56.83	-191.72	3.10	-137.99	102.31	-5.87	-122.64	-69.08	-59.43	58.19
637	13	677	1.94	-27.86	-39.94	-32.99	-34.81	5.97	54.52	-208.83	-113.40	-40.90	126.59

		687	1.90	-26.37	-38.33	-32.66	-32.04	5.97	37.59	-209.13	-115.25	-56.29	119.79
		686	2.14	-31.23	-48.41	-46.00	-33.64	5.97	10.83	-218.03	-147.09	-60.11	105.84
		676	2.17	-33.61	-49.13	-46.33	-36.41	5.97	28.36	-218.33	-145.24	-44.73	112.64
637	15	677	1.94	-27.86	-39.94	-32.99	-34.81	5.97	54.52	-208.83	-113.40	-40.90	126.59
		687	1.90	-26.37	-38.33	-32.66	-32.04	5.97	37.59	-209.13	-115.25	-56.29	119.79
		686	2.14	-31.23	-48.41	-46.00	-33.64	5.97	10.83	-218.03	-147.09	-60.11	105.84
		676	2.17	-33.61	-49.13	-46.33	-36.41	5.97	28.36	-218.33	-145.24	-44.73	112.64
638	1	678	2.10	-25.67	-42.20	-27.03	-40.84	4.54	122.37	-233.34	-96.48	-14.49	173.07
		688	2.02	-25.49	-41.37	-26.92	-39.94	4.54	112.68	-223.56	-96.47	-14.41	163.04
		687	2.34	-37.58	-46.69	-42.47	-41.80	4.54	92.65	-256.13	-143.44	-20.04	163.11
		677	2.40	-38.10	-47.19	-42.58	-42.70	4.54	102.01	-265.59	-143.45	-20.13	173.14
638	8	678	5.20	58.65	-81.27	-23.54	0.92	-68.88	660.05	119.64	657.74	121.95	35.24
		688	5.19	52.42	-86.23	-24.74	-9.07	-68.88	662.13	126.94	658.74	130.33	42.45
		687	5.72	43.03	-98.57	-44.14	-11.40	-68.88	696.96	129.93	692.51	134.38	50.05
		677	5.74	49.77	-94.11	-42.94	-1.40	-68.88	694.73	122.78	691.50	126.00	42.84
638	13	678	1.61	-19.75	-32.46	-20.79	-31.41	3.50	94.13	-179.49	-74.21	-11.15	133.13
		688	1.56	-19.61	-31.82	-20.71	-30.72	3.50	86.68	-171.97	-74.21	-11.08	125.41
		687	1.80	-28.91	-35.92	-32.67	-32.16	3.50	71.27	-197.03	-110.34	-15.42	125.47
		677	1.85	-29.30	-36.30	-32.75	-32.85	3.50	78.47	-204.30	-110.35	-15.48	133.19
638	15	678	1.61	-19.75	-32.46	-20.79	-31.41	3.50	94.13	-179.49	-74.21	-11.15	133.13
		688	1.56	-19.61	-31.82	-20.71	-30.72	3.50	86.68	-171.97	-74.21	-11.08	125.41
		687	1.80	-28.91	-35.92	-32.67	-32.16	3.50	71.27	-197.03	-110.34	-15.42	125.47
		677	1.85	-29.30	-36.30	-32.75	-32.85	3.50	78.47	-204.30	-110.35	-15.48	133.19
639	2	679	2.05	30.12	-33.18	29.20	-32.26	7.58	169.99	73.38	165.36	78.01	20.64
		689	1.95	30.38	-31.26	29.44	-30.31	7.58	171.77	96.99	168.08	100.68	16.19
		688	1.81	25.92	-31.87	24.91	-30.86	7.58	166.88	78.54	147.24	98.18	36.73
		678	1.91	25.66	-33.78	24.68	-32.80	7.58	163.75	56.29	144.52	75.51	41.18
639	8	679	4.14	51.77	-68.52	-9.13	-7.61	-60.14	591.33	122.14	591.30	122.17	3.61
		689	4.20	46.30	-74.20	-10.33	-17.58	-60.14	594.15	139.29	593.44	140.01	18.02
		688	4.80	37.51	-82.95	-25.99	-19.46	-60.14	663.15	145.83	660.88	148.10	34.19
		678	4.76	43.48	-77.77	-24.79	-9.49	-60.14	659.48	129.52	658.74	130.26	19.79
639	13	679	1.26	-10.39	-27.97	-10.63	-27.72	2.05	114.72	-128.20	-34.15	20.67	118.32
		689	1.23	-10.45	-28.42	-10.69	-28.18	2.05	114.56	-115.62	-32.82	31.75	110.47
		688	1.40	-20.09	-29.82	-20.55	-29.37	2.05	108.77	-151.02	-69.60	27.34	120.51
		678	1.47	-20.02	-29.38	-20.49	-28.91	2.05	108.23	-162.90	-70.93	16.26	128.37
639	15	679	1.26	-10.39	-27.97	-10.63	-27.72	2.05	114.72	-128.20	-34.15	20.67	118.32
		689	1.23	-10.45	-28.42	-10.69	-28.18	2.05	114.56	-115.62	-32.82	31.75	110.47
		688	1.40	-20.09	-29.82	-20.55	-29.37	2.05	108.77	-151.02	-69.60	27.34	120.51
		678	1.47	-20.02	-29.38	-20.49	-28.91	2.05	108.23	-162.90	-70.93	16.26	128.37
640	4	680	1.83	31.02	-22.04	30.75	-21.76	3.78	199.35	57.09	168.67	87.77	-58.51
		690	1.78	31.08	-21.61	30.80	-21.34	3.78	205.72	77.79	171.57	111.94	-56.59
		689	1.85	33.00	-21.37	32.73	-21.10	3.78	195.19	98.38	180.55	113.02	-34.68
		679	1.90	32.94	-21.80	32.68	-21.53	3.78	190.79	75.71	177.65	88.85	-36.60
640	9	680	3.75	44.17	-19.69	10.38	14.10	31.88	95.84	-455.14	-361.81	2.52	206.67
		690	3.57	46.08	-18.00	10.77	17.31	31.88	91.14	-427.46	-359.35	23.03	175.16
		689	4.09	45.14	-19.14	8.92	17.09	31.88	70.37	-571.91	-506.87	5.33	193.76
		679	4.25	43.19	-20.78	8.53	13.88	31.88	72.09	-596.61	-509.33	-15.19	225.26
640	13	680	1.13	-3.53	-23.97	-3.57	-23.93	0.94	115.13	-64.52	-2.83	53.43	85.31
		690	1.20	-3.65	-24.94	-3.69	-24.90	0.94	123.93	-51.10	-0.45	73.29	79.37
		689	1.27	-10.33	-25.76	-10.39	-25.71	0.94	129.90	-88.18	-28.24	69.95	97.37
		679	1.22	-10.21	-24.79	-10.27	-24.73	0.94	120.64	-101.16	-30.62	50.10	103.30
640	15	680	1.13	-3.53	-23.97	-3.57	-23.93	0.94	115.13	-64.52	-2.83	53.43	85.31
		690	1.20	-3.65	-24.94	-3.69	-24.90	0.94	123.93	-51.10	-0.45	73.29	79.37
		689	1.27	-10.33	-25.76	-10.39	-25.71	0.94	129.90	-88.18	-28.24	69.95	97.37
		679	1.22	-10.21	-24.79	-10.27	-24.73	0.94	120.64	-101.16	-30.62	50.10	103.30
641	4	684	4.50	99.43	-10.50	97.64	-8.71	13.89	307.39	-3.57	293.63	10.19	63.94
		694	3.77	88.61	18.02	85.76	20.87	13.89	311.17	28.00	298.77	40.40	57.94
		622	7.77	243.59	47.97	242.60	48.96	13.89	311.43	20.64	284.54	47.53	84.24
		733	7.67	222.34	9.46	221.43	10.37	13.89	306.65	-11.82	282.00	12.83	85.10
641	8	684	15.01	436.56	-134.47	57.70	244.38	-269.83	347.19	-62.82	345.33	-60.96	-27.56
		694	14.10	317.11	-237.19	-23.33	103.24	-269.83	373.86	-53.27	363.91	-43.33	-64.40
		622	22.01	740.18	19.50	618.67	141.01	-269.83	211.91	-72.27	198.25	-58.61	-60.79
		733	20.18	731.57	123.63	567.57	287.63	-269.83	215.52	-76.16	213.98	-74.62	-21.15
641	13	684	4.41	-19.46	-71.05	-70.88	-19.63	2.98	-204.23	-600.95	-600.55	-204.63	12.59
		694	4.41	-11.38	-70.24	-70.09	-11.53	2.98	-176.61	-589.14	-589.00	-176.75	-7.50
		622	4.77	-8.74	-68.15	-68.00	-8.89	2.98	-178.37	-671.07	-670.80	-178.64	11.67
		733	4.68	-18.18	-69.50	-69.32	-18.35	2.98	-206.93	-667.53	-665.63	-208.83	29.53
641	15	684	4.41	-19.46	-71.05	-70.88	-19.63	2.98	-204.23	-600.95	-600.55	-204.63	12.59
		694	4.41	-11.38	-70.24	-70.09	-11.53	2.98	-176.61	-589.14	-589.00	-176.75	-7.50
		622	4.77	-8.74	-68.15	-68.00	-8.89	2.98	-178.37	-671.07	-670.80	-178.64	11.67
		733	4.68	-18.18	-69.50	-69.32	-18.35	2.98	-206.93	-667.53	-665.63	-208.83	29.53
642	1	671	3.21	-21.94	-93.31	-41.49	-73.76	31.83	-203.62	-210.36	-205.56	-208.43	3.05
		684	3.21	-21.94	-93.31	-41.49	-73.76	31.83	-203.62	-210.36	-205.56	-208.43	3.05
		733	3.21	-21.94	-93.31	-41.49	-73.76	31.83	-203.62	-210.36	-205.56	-208.43	3.05
642	6	671	15.51	91.34	-430.32	11.15	-350.13	-188.15	192.12	-235.77	100.39	-144.04	-175.60
		684	15.51	91.34	-430.32	11.15	-350.13	-188.15	192.12	-235.77	100.39	-144.04	-175.60
		733	15.51	91.34	-430.32	11.15	-350.13	-188.15	192.12	-235.77	100.39	-144.04	-175.60

642	13	671	2.47	-16.88	-71.78	-31.92	-56.74	24.49	-156.63	-161.82	-158.12	-160.33	2.35
		684	2.47	-16.88	-71.78	-31.92	-56.74	24.49	-156.63	-161.82	-158.12	-160.33	2.35
		733	2.47	-16.88	-71.78	-31.92	-56.74	24.49	-156.63	-161.82	-158.12	-160.33	2.35
642	15	671	2.47	-16.88	-71.78	-31.92	-56.74	24.49	-156.63	-161.82	-158.12	-160.33	2.35
		684	2.47	-16.88	-71.78	-31.92	-56.74	24.49	-156.63	-161.82	-158.12	-160.33	2.35
		733	2.47	-16.88	-71.78	-31.92	-56.74	24.49	-156.63	-161.82	-158.12	-160.33	2.35
643	4	673	5.30	148.32	-23.61	113.34	11.37	-69.21	-44.32	-166.32	-140.53	-70.11	49.81
		733	5.30	148.32	-23.61	113.34	11.37	-69.21	-44.32	-166.32	-140.53	-70.11	49.81
		672	5.30	148.32	-23.61	113.34	11.37	-69.21	-44.32	-166.32	-140.53	-70.11	49.81
643	8	673	28.93	966.43	-52.52	153.27	760.64	-409.07	201.16	-139.00	198.59	-136.43	-29.42
		733	28.93	966.43	-52.52	153.27	760.64	-409.07	201.16	-139.00	198.59	-136.43	-29.42
		672	28.93	966.43	-52.52	153.27	760.64	-409.07	201.16	-139.00	198.59	-136.43	-29.42
643	14	673	2.39	63.50	-18.42	47.78	-2.71	-32.25	-29.72	-154.31	-45.57	-138.47	41.51
		733	2.39	63.50	-18.42	47.78	-2.71	-32.25	-29.72	-154.31	-45.57	-138.47	41.51
		672	2.39	63.50	-18.42	47.78	-2.71	-32.25	-29.72	-154.31	-45.57	-138.47	41.51
643	15	673	2.39	-10.43	-63.95	-50.55	-23.83	23.19	99.36	-243.49	96.88	-241.01	29.05
		733	2.39	-10.43	-63.95	-50.55	-23.83	23.19	99.36	-243.49	96.88	-241.01	29.05
		672	2.39	-10.43	-63.95	-50.55	-23.83	23.19	99.36	-243.49	96.88	-241.01	29.05
644	2	682	19.31	111.05	-449.24	-287.32	-50.88	253.98	972.79	22.87	694.89	300.76	-432.15
		722	19.31	111.05	-449.24	-287.32	-50.88	253.98	972.79	22.87	694.89	300.76	-432.15
		744	19.31	111.05	-449.24	-287.32	-50.88	253.98	972.79	22.87	694.89	300.76	-432.15
644	12	682	70.45	372.14	-1968.21	-1296.07	-300.00	1058.90	2231.85	336.91	2153.35	415.42	-377.62
		722	70.45	372.14	-1968.21	-1296.07	-300.00	1058.90	2231.85	336.91	2153.35	415.42	-377.62
		744	70.45	372.14	-1968.21	-1296.07	-300.00	1058.90	2231.85	336.91	2153.35	415.42	-377.62
644	14	682	13.70	71.56	-322.54	-215.23	-35.75	175.43	714.75	50.58	527.05	238.29	-299.06
		722	13.70	71.56	-322.54	-215.23	-35.75	175.43	714.75	50.58	527.05	238.29	-299.06
		744	13.70	71.56	-322.54	-215.23	-35.75	175.43	714.75	50.58	527.05	238.29	-299.06
644	16	682	13.25	66.18	-313.55	-212.96	-34.42	167.57	701.59	63.52	524.10	241.01	-285.92
		722	13.25	66.18	-313.55	-212.96	-34.42	167.57	701.59	63.52	524.10	241.01	-285.92
		744	13.25	66.18	-313.55	-212.96	-34.42	167.57	701.59	63.52	524.10	241.01	-285.92
645	1	685	5.43	-32.23	-82.68	-79.63	-35.29	12.03	-317.47	-794.99	-792.53	-319.93	34.17
		695	5.44	-25.34	-81.47	-78.76	-28.05	12.03	-293.92	-793.22	-789.82	-297.33	41.08
		694	5.62	-27.09	-92.26	-89.95	-29.39	12.03	-285.42	-765.51	-757.48	-293.45	61.57
		684	5.60	-34.08	-93.37	-90.82	-36.63	12.03	-309.42	-766.82	-760.19	-316.05	54.66
645	6	685	13.64	119.16	-353.38	4.25	-238.47	202.72	150.09	-226.39	114.11	-190.40	110.70
		695	12.30	156.31	-277.32	16.38	-137.40	202.72	166.00	-206.90	117.90	-158.81	124.99
		694	13.39	221.66	-244.81	103.77	-126.91	202.72	244.51	-210.48	184.80	-150.78	153.63
		684	14.79	189.96	-326.31	91.64	-227.99	202.72	228.29	-229.65	181.01	-182.37	139.34
645	13	685	4.18	-24.80	-63.60	-61.25	-27.14	9.25	-244.21	-611.53	-609.64	-246.10	26.28
		695	4.19	-19.49	-62.67	-60.58	-21.58	9.25	-226.10	-610.17	-607.56	-228.71	31.60
		694	4.32	-20.84	-70.97	-69.20	-22.61	9.25	-219.55	-588.85	-582.67	-225.73	47.36
		684	4.31	-26.22	-71.83	-69.86	-28.18	9.25	-238.02	-589.86	-584.76	-243.11	42.04
645	15	685	4.18	-24.80	-63.60	-61.25	-27.14	9.25	-244.21	-611.53	-609.64	-246.10	26.28
		695	4.19	-19.49	-62.67	-60.58	-21.58	9.25	-226.10	-610.17	-607.56	-228.71	31.60
		694	4.32	-20.84	-70.97	-69.20	-22.61	9.25	-219.55	-588.85	-582.67	-225.73	47.36
		684	4.31	-26.22	-71.83	-69.86	-28.18	9.25	-238.02	-589.86	-584.76	-243.11	42.04
646	1	686	4.59	-37.94	-65.25	-62.07	-41.11	8.75	-172.18	-691.80	-670.36	-193.62	103.35
		696	4.54	-33.07	-64.13	-61.43	-35.77	8.75	-214.44	-688.49	-674.53	-228.40	80.15
		695	5.43	-36.24	-81.70	-79.95	-37.99	8.75	-237.10	-787.45	-783.11	-241.43	48.63
		685	5.46	-41.38	-82.55	-80.59	-43.33	8.75	-197.77	-787.82	-778.94	-206.65	71.82
646	6	686	9.60	84.96	-252.61	-15.87	-151.78	154.50	123.87	-136.75	104.38	-117.26	68.56
		696	8.78	114.66	-202.99	-7.37	-80.96	154.50	129.92	-120.59	106.76	-97.43	72.57
		695	9.11	135.70	-189.34	23.60	-77.24	154.50	157.92	-127.57	125.53	-95.18	90.54
		685	9.96	108.24	-241.20	15.10	-148.06	154.50	151.28	-143.13	123.15	-115.00	86.53
646	13	686	3.53	-29.18	-50.19	-47.75	-31.62	6.73	-132.45	-532.15	-515.66	-148.94	79.50
		696	3.49	-25.44	-49.33	-47.26	-27.52	6.73	-164.95	-529.61	-518.87	-175.69	61.66
		695	4.17	-27.88	-62.85	-61.50	-29.22	6.73	-182.38	-605.73	-602.40	-185.71	37.41
		685	4.20	-31.83	-63.50	-61.99	-33.33	6.73	-152.13	-606.01	-599.18	-158.96	55.25
646	15	686	3.53	-29.18	-50.19	-47.75	-31.62	6.73	-132.45	-532.15	-515.66	-148.94	79.50
		696	3.49	-25.44	-49.33	-47.26	-27.52	6.73	-164.95	-529.61	-518.87	-175.69	61.66
		695	4.17	-27.88	-62.85	-61.50	-29.22	6.73	-182.38	-605.73	-602.40	-185.71	37.41
		685	4.20	-31.83	-63.50	-61.99	-33.33	6.73	-152.13	-606.01	-599.18	-158.96	55.25
647	1	687	3.58	-37.46	-48.32	-43.95	-41.83	5.33	-77.55	-561.17	-521.00	-117.72	133.47
		697	3.49	-35.77	-47.25	-43.65	-39.37	5.33	-103.25	-547.66	-522.30	-128.60	103.08
		696	4.52	-40.29	-63.43	-62.13	-41.59	5.33	-129.44	-680.84	-664.60	-145.68	93.21
		686	4.59	-42.62	-63.86	-62.43	-44.05	5.33	-107.31	-690.78	-663.30	-134.79	123.61
647	6	687	6.77	60.88	-180.67	-14.87	-104.92	112.07	160.00	-38.03	149.86	-27.90	43.65
		697	6.27	76.78	-154.48	-10.36	-67.34	112.07	159.45	-19.17	151.83	-11.54	36.11
		696	6.38	79.94	-152.38	-5.67	-66.77	112.07	133.89	-33.11	116.56	-15.78	50.93
		686	6.88	64.29	-178.83	-10.18	-104.35	112.07	135.05	-52.58	114.60	-32.13	58.47
647	13	687	2.76	-28.81	-37.17	-33.80	-32.18	4.10	-59.65	-431.67	-400.77	-90.55	102.67
		697	2.68	-27.51	-36.35	-33.58	-30.28	4.10	-79.42	-421.28	-401.77	-98.93	79.29
		696	3.48	-30.99	-48.79	-47.79	-31.99	4.10	-99.57	-523.72	-511.23	-112.06	71.70
		686	3.53	-32.78	-49.12	-48.02	-33.89	4.10	-82.55	-531.37	-510.23	-103.69	95.08
647	15	687	2.76	-28.81	-37.17	-33.80	-32.18	4.10	-59.65	-431.67	-400.77	-90.55	102.67
		697	2.68	-27.51	-36.35	-33.58	-30.28	4.10	-79.42	-421.28	-401.77	-98.93	79.29
		696	3.48	-30.99	-48.79	-47.79	-31.99	4.10	-99.57	-523.72	-511.23	-112.06	71.70

		686	3.53	-32.78	-49.12	-48.02	-33.89	4.10	-82.55	-531.37	-510.23	-103.69	95.08
648	1	688	2.58	-26.90	-40.77	-27.64	-40.02	3.12	8.77	-410.72	-356.36	-45.59	140.88
		698	2.44	-26.77	-40.07	-27.55	-39.29	3.12	-12.29	-389.69	-356.36	-45.62	107.08
		697	3.46	-39.17	-45.95	-43.88	-41.25	3.12	-40.44	-538.80	-514.63	-64.61	107.06
		687	3.56	-39.69	-46.25	-43.96	-41.98	3.12	-24.13	-555.08	-514.62	-64.58	140.86
648	8	688	5.32	63.00	-91.07	-19.61	-8.46	-76.83	624.49	121.16	619.97	125.68	47.48
		698	5.25	54.76	-98.92	-21.33	-22.83	-76.83	623.50	121.59	619.91	125.18	42.29
		697	5.50	44.46	-109.97	-40.39	-25.12	-76.83	599.27	118.59	595.60	122.26	41.84
		687	5.57	53.39	-102.80	-38.67	-10.74	-76.83	600.29	118.13	595.66	122.76	47.03
648	13	688	1.98	-20.69	-31.36	-21.26	-30.79	2.40	6.74	-315.94	-274.12	-35.07	108.37
		698	1.88	-20.59	-30.82	-21.19	-30.22	2.40	-9.46	-299.76	-274.13	-35.09	82.37
		697	2.66	-30.13	-35.35	-33.75	-31.73	2.40	-31.11	-414.46	-395.87	-49.70	82.35
		687	2.74	-30.53	-35.58	-33.82	-32.29	2.40	-18.56	-426.98	-395.86	-49.68	108.35
648	15	688	1.98	-20.69	-31.36	-21.26	-30.79	2.40	6.74	-315.94	-274.12	-35.07	108.37
		698	1.88	-20.59	-30.82	-21.19	-30.22	2.40	-9.46	-299.76	-274.13	-35.09	82.37
		697	2.66	-30.13	-35.35	-33.75	-31.73	2.40	-31.11	-414.46	-395.87	-49.70	82.35
		687	2.74	-30.53	-35.58	-33.82	-32.29	2.40	-18.56	-426.98	-395.86	-49.68	108.35
649	4	689	3.37	31.66	-22.43	31.26	-22.02	4.65	507.61	130.07	507.04	130.64	-14.67
		699	3.33	31.86	-20.88	31.45	-20.46	4.65	509.15	143.67	508.66	144.16	-13.36
		698	3.30	29.52	-21.18	29.09	-20.75	4.65	514.77	144.89	514.76	144.89	-1.11
		688	3.34	29.32	-22.73	28.91	-22.31	4.65	513.16	131.36	513.14	131.38	-2.42
649	8	689	4.41	53.63	-76.07	-5.45	-16.99	-64.59	613.26	140.30	611.40	142.16	29.60
		699	4.44	47.79	-83.20	-6.84	-28.57	-64.59	614.87	150.58	612.67	152.78	31.89
		698	4.78	38.39	-91.05	-22.25	-30.42	-64.59	627.02	150.42	623.38	154.07	41.51
		688	4.77	44.75	-84.45	-20.86	-18.84	-64.59	625.29	140.26	622.10	143.45	39.22
649	13	689	1.40	-10.95	-28.34	-11.06	-28.23	1.38	59.28	-199.49	-157.06	16.84	95.81
		699	1.34	-10.97	-28.52	-11.08	-28.41	1.38	50.28	-181.02	-156.04	25.30	71.79
		698	1.83	-20.90	-29.83	-21.12	-29.61	1.38	32.76	-289.45	-268.50	11.80	79.45
		688	1.92	-20.88	-29.66	-21.10	-29.43	1.38	38.15	-304.31	-269.51	3.35	103.47
649	15	689	1.40	-10.95	-28.34	-11.06	-28.23	1.38	59.28	-199.49	-157.06	16.84	95.81
		699	1.34	-10.97	-28.52	-11.08	-28.41	1.38	50.28	-181.02	-156.04	25.30	71.79
		698	1.83	-20.90	-29.83	-21.12	-29.61	1.38	32.76	-289.45	-268.50	11.80	79.45
		688	1.92	-20.88	-29.66	-21.10	-29.43	1.38	38.15	-304.31	-269.51	3.35	103.47
650	4	690	3.10	29.97	-21.57	29.85	-21.45	2.47	473.13	140.36	466.20	147.30	-47.53
		700	3.06	30.03	-21.11	29.91	-20.99	2.47	472.94	159.25	468.20	163.99	-38.24
		699	3.29	31.52	-20.93	31.40	-20.81	2.47	513.22	167.65	511.66	169.20	-23.12
		689	3.33	31.46	-21.39	31.35	-21.27	2.47	512.57	149.60	509.66	152.51	-32.40
650	9	690	3.33	39.02	-13.38	8.60	17.05	25.86	55.04	-475.75	-434.71	13.99	141.78
		700	3.13	40.88	-11.99	8.94	19.94	25.86	48.67	-453.58	-433.01	28.10	99.53
		699	3.90	40.46	-12.58	8.04	19.84	25.86	23.64	-650.11	-630.83	4.37	112.32
		689	4.06	38.59	-13.95	7.70	16.94	25.86	26.51	-668.78	-632.52	-9.75	154.58
650	14	690	1.75	16.38	-22.92	16.30	-22.85	1.73	253.04	114.51	253.04	114.51	-0.56
		700	1.72	16.39	-22.85	16.31	-22.77	1.73	254.97	130.14	254.92	130.18	-2.32
		699	1.65	14.59	-23.06	14.51	-22.98	1.73	247.88	128.00	246.69	129.19	11.88
		689	1.68	14.58	-23.14	14.51	-23.06	1.73	246.21	112.12	244.81	113.52	13.64
650	16	690	1.54	14.11	-23.15	14.04	-23.08	1.60	218.00	108.56	217.52	109.05	7.27
		700	1.50	14.11	-23.13	14.05	-23.07	1.60	219.52	124.40	219.38	124.55	3.67
		699	1.38	11.77	-23.42	11.70	-23.35	1.60	206.27	118.78	202.52	122.52	17.72
		689	1.42	11.77	-23.43	11.70	-23.36	1.60	205.29	102.40	200.66	107.03	21.32
651	4	724	5.87	112.84	-91.13	-40.13	61.85	88.33	-84.59	-364.90	-299.58	-149.92	-118.51
		673	5.87	112.84	-91.13	-40.13	61.85	88.33	-84.59	-364.90	-299.58	-149.92	-118.51
		672	5.87	112.84	-91.13	-40.13	61.85	88.33	-84.59	-364.90	-299.58	-149.92	-118.51
651	6	724	34.81	-10.45	-1177.30	-1133.99	-53.77	-220.61	526.51	-65.92	207.58	253.01	295.34
		673	34.81	-10.45	-1177.30	-1133.99	-53.77	-220.61	526.51	-65.92	207.58	253.01	295.34
		672	34.81	-10.45	-1177.30	-1133.99	-53.77	-220.61	526.51	-65.92	207.58	253.01	295.34
651	14	724	3.92	55.93	-76.33	-50.20	29.80	52.66	13.17	-137.16	-125.83	1.84	39.67
		673	3.92	55.93	-76.33	-50.20	29.80	52.66	13.17	-137.16	-125.83	1.84	39.67
		672	3.92	55.93	-76.33	-50.20	29.80	52.66	13.17	-137.16	-125.83	1.84	39.67
651	16	724	3.79	46.61	-74.03	-51.88	24.46	46.71	55.71	-125.45	-96.88	27.14	66.04
		673	3.79	46.61	-74.03	-51.88	24.46	46.71	55.71	-125.45	-96.88	27.14	66.04
		672	3.79	46.61	-74.03	-51.88	24.46	46.71	55.71	-125.45	-96.88	27.14	66.04
652	4	656	7.64	120.83	-110.10	3.84	6.89	-115.45	-165.08	-570.47	-312.11	-423.44	194.90
		673	7.64	120.83	-110.10	3.84	6.89	-115.45	-165.08	-570.47	-312.11	-423.44	194.90
		724	7.64	120.83	-110.10	3.84	6.89	-115.45	-165.08	-570.47	-312.11	-423.44	194.90
652	6	656	28.71	43.10	-969.41	-9.32	-916.99	-224.34	569.18	-118.94	110.70	339.54	-324.48
		673	28.71	43.10	-969.41	-9.32	-916.99	-224.34	569.18	-118.94	110.70	339.54	-324.48
		724	28.71	43.10	-969.41	-9.32	-916.99	-224.34	569.18	-118.94	110.70	339.54	-324.48
652	13	656	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	719.05	-140.31	218.13	360.62	-423.73
		673	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	719.05	-140.31	218.13	360.62	-423.73
		724	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	719.05	-140.31	218.13	360.62	-423.73
652	15	656	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	719.05	-140.31	218.13	360.62	-423.73
		673	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	719.05	-140.31	218.13	360.62	-423.73
		724	4.79	-44.02	-67.83	-44.11	-67.74	-1.49	719.05	-140.31	218.13	360.62	-423.73
653	1	656	7.19	-7.93	-116.61	-34.71	-89.84	-46.83	1012.71	-196.33	218.23	598.14	-573.90
		724	7.97	-9.94	-131.49	-31.98	-109.46	-46.83	1192.37	-194.11	302.86	695.39	-664.88
		704	7.02	-26.57	-127.80	-57.98	-96.39	-46.83	849.49	-381.12	-107.14	575.52	-511.95
		654	6.31	-10.37	-106.98	-46.83	-70.52	-46.83	748.44	-270.46	-2.94	480.92	-448.34

653	6	656	26.69	-93.69	-931.81	-184.94	-840.55	-261.07	710.14	-78.53	51.15	580.46	-292.33
		724	43.59	-81.13	-1476.74	-131.80	-1426.07	-261.07	839.98	-64.22	60.24	715.52	-311.53
		704	30.65	-592.77	-1179.66	-752.22	-1020.20	-261.07	662.60	33.44	86.12	609.91	-174.28
		654	18.68	-80.72	-642.53	-465.31	-257.94	-261.07	544.63	-48.60	54.64	441.39	-224.92
653	13	656	5.53	-6.10	-89.70	-26.70	-69.11	-36.02	779.00	-151.02	167.87	460.11	-441.46
		724	6.13	-7.65	-101.15	-24.60	-84.20	-36.02	917.21	-149.32	232.97	534.92	-511.44
		704	5.40	-20.44	-98.31	-44.60	-74.15	-36.02	653.45	-293.17	-82.42	442.71	-393.81
		654	4.86	-7.98	-82.29	-36.02	-54.25	-36.02	575.73	-208.05	-2.26	369.94	-344.88
653	15	656	5.53	-6.10	-89.70	-26.70	-69.11	-36.02	779.00	-151.02	167.87	460.11	-441.46
		724	6.13	-7.65	-101.15	-24.60	-84.20	-36.02	917.21	-149.32	232.97	534.92	-511.44
		704	5.40	-20.44	-98.31	-44.60	-74.15	-36.02	653.45	-293.17	-82.42	442.71	-393.81
		654	4.86	-7.98	-82.29	-36.02	-54.25	-36.02	575.73	-208.05	-2.26	369.94	-344.88
654	2	682	8.24	-77.97	-138.82	-77.97	-138.82	0.21	1042.35	-140.65	-35.10	936.80	337.24
		744	8.24	-77.97	-138.82	-77.97	-138.82	0.21	1042.35	-140.65	-35.10	936.80	337.24
		302	8.24	-77.97	-138.82	-77.97	-138.82	0.21	1042.35	-140.65	-35.10	936.80	337.24
654	12	682	30.00	-294.62	-786.19	-302.44	-778.38	-61.48	2324.35	360.52	361.27	2323.60	38.40
		744	30.00	-294.62	-786.19	-302.44	-778.38	-61.48	2324.35	360.52	361.27	2323.60	38.40
		302	30.00	-294.62	-786.19	-302.44	-778.38	-61.48	2324.35	360.52	361.27	2323.60	38.40
654	14	682	6.06	-56.31	-108.12	-57.31	-107.12	7.12	766.82	-73.12	-3.66	697.36	231.34
		744	6.06	-56.31	-108.12	-57.31	-107.12	7.12	766.82	-73.12	-3.66	697.36	231.34
		302	6.06	-56.31	-108.12	-57.31	-107.12	7.12	766.82	-73.12	-3.66	697.36	231.34
654	16	682	5.96	-54.42	-109.09	-56.26	-107.26	9.86	753.11	-59.37	5.53	688.20	220.27
		744	5.96	-54.42	-109.09	-56.26	-107.26	9.86	753.11	-59.37	5.53	688.20	220.27
		302	5.96	-54.42	-109.09	-56.26	-107.26	9.86	753.11	-59.37	5.53	688.20	220.27
655	1	695	6.58	-27.92	-80.71	-80.38	-28.24	4.14	-327.08	-1049.62	-1048.35	-328.35	30.32
		706	6.58	-25.43	-80.39	-80.08	-25.74	4.14	-329.41	-1048.62	-1048.49	-329.54	9.73
		705	7.31	-26.78	-91.28	-91.02	-27.05	4.14	-341.02	-1144.98	-1144.89	-341.11	8.65
		694	7.31	-29.28	-91.59	-91.32	-29.55	4.14	-338.86	-1145.81	-1144.75	-339.92	29.24
655	6	695	14.09	167.86	-334.20	-24.08	-142.25	243.98	267.15	-186.42	226.51	-145.77	129.55
		706	13.22	248.26	-240.06	-5.38	13.58	243.98	276.26	-147.06	231.70	-102.50	129.91
		705	13.76	281.43	-207.61	53.21	20.61	243.98	303.82	-172.73	233.39	-102.30	169.13
		694	14.74	207.96	-308.67	34.51	-135.22	243.98	293.12	-210.49	228.20	-145.57	168.77
655	13	695	5.06	-21.47	-62.08	-61.83	-21.73	3.18	-251.60	-807.40	-806.42	-252.58	23.32
		706	5.06	-19.56	-61.84	-61.60	-19.80	3.18	-253.39	-806.63	-806.53	-253.50	7.48
		705	5.62	-20.60	-70.22	-70.01	-20.81	3.18	-262.32	-880.76	-880.68	-262.39	6.65
		694	5.62	-22.52	-70.46	-70.24	-22.73	3.18	-260.66	-881.39	-880.57	-261.48	22.49
655	15	695	5.06	-21.47	-62.08	-61.83	-21.73	3.18	-251.60	-807.40	-806.42	-252.58	23.32
		706	5.06	-19.56	-61.84	-61.60	-19.80	3.18	-253.39	-806.63	-806.53	-253.50	7.48
		705	5.62	-20.60	-70.22	-70.01	-20.81	3.18	-262.32	-880.76	-880.68	-262.39	6.65
		694	5.62	-22.52	-70.46	-70.24	-22.73	3.18	-260.66	-881.39	-880.57	-261.48	22.49
656	1	696	5.51	-35.61	-63.28	-62.95	-35.95	3.04	-253.35	-913.18	-909.89	-256.64	46.48
		707	5.49	-33.91	-63.06	-62.74	-34.23	3.04	-265.62	-911.55	-911.03	-266.14	18.34
		706	6.57	-36.26	-81.57	-81.37	-36.46	3.04	-281.82	-1042.91	-1042.78	-281.95	9.73
		695	6.58	-37.97	-81.79	-81.58	-38.19	3.04	-270.59	-1043.50	-1041.64	-272.45	37.87
656	6	696	9.02	103.42	-222.37	-34.71	-84.24	161.00	272.81	-91.20	260.58	-78.97	65.59
		707	8.54	140.76	-181.46	-26.32	-14.37	161.00	275.64	-57.57	264.49	-46.41	59.95
		706	8.83	150.66	-171.37	-8.48	-12.23	161.00	263.60	-75.13	238.05	-49.58	89.46
		695	9.32	114.79	-213.75	-16.87	-82.10	161.00	260.54	-108.54	234.14	-82.14	95.10
656	13	696	4.24	-27.39	-48.68	-48.42	-27.66	2.34	-194.89	-702.45	-699.92	-197.42	35.75
		707	4.22	-26.08	-48.51	-48.26	-26.33	2.34	-204.32	-701.20	-700.80	-204.72	14.10
		706	5.05	-27.89	-62.75	-62.59	-28.05	2.34	-216.79	-802.24	-802.14	-216.88	7.48
		695	5.06	-29.21	-62.91	-62.75	-29.37	2.34	-208.15	-802.69	-801.26	-209.58	29.13
656	15	696	4.24	-27.39	-48.68	-48.42	-27.66	2.34	-194.89	-702.45	-699.92	-197.42	35.75
		707	4.22	-26.08	-48.51	-48.26	-26.33	2.34	-204.32	-701.20	-700.80	-204.72	14.10
		706	5.05	-27.89	-62.75	-62.59	-28.05	2.34	-216.79	-802.24	-802.14	-216.88	7.48
		695	5.06	-29.21	-62.91	-62.75	-29.37	2.34	-208.15	-802.69	-801.26	-209.58	29.13
657	1	697	4.18	-38.82	-45.11	-44.46	-39.47	1.91	-143.53	-714.33	-707.08	-150.78	63.92
		708	4.14	-37.98	-44.92	-44.35	-38.55	1.91	-154.68	-708.59	-707.66	-155.62	22.72
		707	5.50	-40.70	-63.69	-63.53	-40.86	1.91	-178.30	-901.01	-900.55	-178.76	18.34
		696	5.53	-41.60	-63.81	-63.64	-41.77	1.91	-169.07	-904.82	-899.97	-173.92	59.54
657	6	697	6.34	69.39	-162.36	-23.99	-68.97	113.67	329.32	7.83	327.60	9.55	23.44
		708	5.94	87.98	-139.71	-19.58	-32.16	113.67	330.74	31.76	330.32	32.18	11.22
		707	6.01	82.78	-144.61	-28.59	-33.24	113.67	277.09	21.31	273.09	25.31	31.73
		696	6.39	63.64	-166.70	-33.01	-70.05	113.67	277.41	-4.35	270.38	2.68	43.96
657	13	697	3.21	-29.86	-34.70	-34.20	-30.36	1.47	-110.40	-549.48	-543.91	-115.98	49.17
		708	3.18	-29.22	-34.56	-34.12	-29.66	1.47	-118.99	-545.07	-544.35	-119.70	17.48
		707	4.23	-31.31	-49.00	-48.87	-31.43	1.47	-137.15	-693.09	-692.73	-137.51	14.10
		696	4.25	-32.00	-49.08	-48.96	-32.13	1.47	-130.06	-696.01	-692.28	-133.79	45.80
657	15	697	3.21	-29.86	-34.70	-34.20	-30.36	1.47	-110.40	-549.48	-543.91	-115.98	49.17
		708	3.18	-29.22	-34.56	-34.12	-29.66	1.47	-118.99	-545.07	-544.35	-119.70	17.48
		707	4.23	-31.31	-49.00	-48.87	-31.43	1.47	-137.15	-693.09	-692.73	-137.51	14.10
		696	4.25	-32.00	-49.08	-48.96	-32.13	1.47	-130.06	-696.01	-692.28	-133.79	45.80
658	1	698	2.84	-27.87	-39.45	-27.97	-39.34	1.11	-50.93	-498.35	-487.88	-61.40	67.63
		709	2.78	-27.83	-39.18	-27.94	-39.07	1.11	-59.92	-489.02	-487.84	-61.10	22.45
		708	4.15	-40.76	-44.97	-44.66	-41.08	1.11	-85.64	-700.20	-699.36	-86.48	22.72
		697	4.19	-41.01	-45.02	-44.69	-41.35	1.11	-79.35	-706.83	-699.40	-86.78	67.90
658	9	698	4.57	47.80	-8.95	9.56	29.29	26.60	-200.82	-934.40	-929.64	-205.58	58.89

		709	4.48	50.67	-7.38	10.03	33.26	26.60	-207.65	-930.34	-929.94	-208.05	17.12
		708	5.40	53.44	-2.48	16.89	34.08	26.60	-231.28	-1125.78	-1125.53	-231.53	14.87
		697	5.34	50.74	-4.21	16.41	30.12	26.60	-225.48	-1128.80	-1125.23	-229.05	56.65
658	13	698	2.18	-21.43	-30.34	-21.52	-30.26	0.85	-39.18	-383.34	-375.29	-47.23	52.02
		709	2.14	-21.41	-30.14	-21.49	-30.05	0.85	-46.09	-376.17	-375.26	-47.00	17.27
		708	3.19	-31.35	-34.59	-34.35	-31.60	0.85	-65.88	-538.62	-537.97	-66.52	17.48
		697	3.22	-31.55	-34.63	-34.38	-31.81	0.85	-61.04	-543.72	-538.00	-66.76	52.23
658	15	698	2.18	-21.43	-30.34	-21.52	-30.26	0.85	-39.18	-383.34	-375.29	-47.23	52.02
		709	2.14	-21.41	-30.14	-21.49	-30.05	0.85	-46.09	-376.17	-375.26	-47.00	17.27
		708	3.19	-31.35	-34.59	-34.35	-31.60	0.85	-65.88	-538.62	-537.97	-66.52	17.48
		697	3.22	-31.55	-34.63	-34.38	-31.81	0.85	-61.04	-543.72	-538.00	-66.76	52.23
659	4	699	4.06	30.72	-20.61	30.67	-20.56	1.63	670.77	163.50	670.67	163.60	-7.09
		710	4.05	30.79	-20.04	30.74	-19.99	1.63	671.28	168.42	671.25	168.45	-3.84
		709	4.04	28.02	-20.37	27.97	-20.32	1.63	686.46	170.28	686.46	170.28	0.56
		698	4.05	27.95	-20.94	27.90	-20.89	1.63	685.89	165.41	685.88	165.43	-2.69
659	8	699	4.37	54.50	-83.68	-1.27	-27.90	-67.79	563.80	143.75	560.97	146.58	34.35
		710	4.38	48.52	-92.33	-2.84	-40.96	-67.79	563.31	146.77	561.25	148.83	29.27
		709	4.53	39.42	-98.64	-16.60	-42.61	-67.79	539.99	143.50	537.50	145.98	31.32
		698	4.52	45.89	-90.48	-15.04	-29.55	-67.79	540.56	140.39	537.23	143.73	36.39
659	13	699	1.48	-11.28	-28.45	-11.30	-28.43	0.49	26.25	-229.31	-220.61	17.55	46.34
		710	1.45	-11.29	-28.49	-11.30	-28.47	0.49	21.47	-221.12	-220.25	20.60	14.51
		709	2.14	-21.42	-29.72	-21.45	-29.69	0.49	3.51	-370.10	-369.30	2.71	17.27
		698	2.17	-21.41	-29.68	-21.44	-29.65	0.49	6.08	-376.08	-369.66	-0.34	49.10
659	15	699	1.48	-11.28	-28.45	-11.30	-28.43	0.49	26.25	-229.31	-220.61	17.55	46.34
		710	1.45	-11.29	-28.49	-11.30	-28.47	0.49	21.47	-221.12	-220.25	20.60	14.51
		709	2.14	-21.42	-29.72	-21.45	-29.69	0.49	3.51	-370.10	-369.30	2.71	17.27
		698	2.17	-21.41	-29.68	-21.44	-29.65	0.49	6.08	-376.08	-369.66	-0.34	49.10
660	4	700	3.71	29.41	-21.07	29.40	-21.05	0.86	613.94	180.20	612.81	181.34	-22.18
		711	3.70	29.43	-20.88	29.42	-20.86	0.86	613.71	187.03	613.51	187.23	-9.18
		710	4.01	30.67	-20.73	30.65	-20.72	0.86	674.41	194.51	674.38	194.54	-3.84
		699	4.02	30.64	-20.92	30.63	-20.90	0.86	674.26	188.06	673.67	188.64	-16.84
660	8	700	3.87	47.65	-68.31	7.94	-28.59	-55.03	546.53	164.36	545.64	165.25	18.45
		711	3.92	43.96	-74.76	6.85	-37.65	-55.03	547.88	171.61	546.56	172.94	22.26
		710	3.89	37.25	-78.61	-2.58	-38.78	-55.03	566.58	172.89	564.39	175.08	29.23
		699	3.82	41.21	-72.42	-1.49	-29.72	-55.03	565.10	165.76	563.47	167.39	25.42
660	14	700	2.04	15.94	-22.82	15.93	-22.82	0.60	327.30	138.87	327.30	138.87	0.43
		711	2.03	15.95	-22.77	15.94	-22.76	0.60	327.98	144.42	327.96	144.43	-1.55
		710	1.94	13.98	-23.01	13.97	-23.00	0.60	318.80	143.25	318.73	143.32	3.50
		699	1.95	13.97	-23.06	13.96	-23.05	0.60	318.23	137.59	318.07	137.76	5.47
660	16	700	1.77	13.69	-23.12	13.69	-23.11	0.56	279.83	131.67	279.71	131.79	4.19
		711	1.76	13.70	-23.09	13.69	-23.08	0.56	280.37	137.30	280.37	137.30	-0.27
		710	1.60	11.20	-23.39	11.19	-23.38	0.56	259.64	134.61	259.46	134.79	4.72
		699	1.61	11.19	-23.42	11.19	-23.41	0.56	259.45	128.63	258.80	129.28	9.19
661	2	654	10.91	65.06	-321.79	-73.90	-182.82	-185.60	68.87	-176.36	-158.36	50.88	63.95
		704	10.91	65.06	-321.79	-73.90	-182.82	-185.60	68.87	-176.36	-158.36	50.88	63.95
		681	10.91	65.06	-321.79	-73.90	-182.82	-185.60	68.87	-176.36	-158.36	50.88	63.95
661	6	654	50.72	321.62	-1496.90	49.06	-1224.35	-649.12	901.88	535.12	637.87	799.12	164.71
		704	50.72	321.62	-1496.90	49.06	-1224.35	-649.12	901.88	535.12	637.87	799.12	164.71
		681	50.72	321.62	-1496.90	49.06	-1224.35	-649.12	901.88	535.12	637.87	799.12	164.71
661	14	654	7.45	34.38	-225.57	-64.04	-127.15	-126.09	169.39	-62.23	-61.77	168.93	10.28
		704	7.45	34.38	-225.57	-64.04	-127.15	-126.09	169.39	-62.23	-61.77	168.93	10.28
		681	7.45	34.38	-225.57	-64.04	-127.15	-126.09	169.39	-62.23	-61.77	168.93	10.28
661	16	654	7.10	28.28	-216.99	-66.87	-121.83	-119.52	220.16	-38.22	-38.12	220.06	-5.04
		704	7.10	28.28	-216.99	-66.87	-121.83	-119.52	220.16	-38.22	-38.12	220.06	-5.04
		681	7.10	28.28	-216.99	-66.87	-121.83	-119.52	220.16	-38.22	-38.12	220.06	-5.04
662	4	621	9.62	255.95	11.98	255.82	12.11	-5.65	518.30	14.52	510.13	22.70	-63.65
		773	9.62	255.83	10.96	255.70	11.09	-5.65	509.32	9.86	508.67	10.51	18.03
		659	12.22	339.44	20.97	339.34	21.07	-5.65	583.25	18.03	582.53	18.75	20.18
		755	12.21	339.57	22.10	339.47	22.20	-5.65	592.90	23.45	584.15	32.21	-70.07
662	11	621	19.32	-16.79	-419.98	-418.94	-17.84	-20.50	-34.98	-1592.19	-1574.85	-52.33	163.43
		773	19.40	-18.25	-420.16	-419.11	-19.30	-20.50	-34.49	-1579.26	-1573.41	-40.34	-94.87
		659	24.54	-36.70	-570.85	-570.06	-37.49	-20.50	-61.30	-1813.64	-1807.16	-67.77	-106.32
		755	24.47	-35.09	-570.65	-569.87	-35.87	-20.50	-62.65	-1827.12	-1808.75	-81.02	179.08
662	13	621	6.88	-2.73	-73.26	-73.24	-2.75	1.40	-46.03	-1008.36	-1002.01	-52.39	77.96
		773	6.85	-3.34	-73.34	-73.31	-3.37	1.40	-41.53	-1003.16	-1000.97	-43.72	-45.84
		659	7.51	-3.97	-78.25	-78.22	-3.99	1.40	-54.27	-1115.42	-1112.98	-56.71	-50.81
		755	7.53	-3.28	-78.16	-78.14	-3.31	1.40	-59.28	-1121.14	-1114.13	-66.29	85.97
662	15	621	6.88	-2.73	-73.26	-73.24	-2.75	1.40	-46.03	-1008.36	-1002.01	-52.39	77.96
		773	6.85	-3.34	-73.34	-73.31	-3.37	1.40	-41.53	-1003.16	-1000.97	-43.72	-45.84
		659	7.51	-3.97	-78.25	-78.22	-3.99	1.40	-54.27	-1115.42	-1112.98	-56.71	-50.81
		755	7.53	-3.28	-78.16	-78.14	-3.31	1.40	-59.28	-1121.14	-1114.13	-66.29	85.97
663	2	652	13.31	24.81	-428.08	-98.87	-304.39	201.79	362.35	-152.01	313.55	-103.21	-150.72
		681	13.31	24.81	-428.08	-98.87	-304.39	201.79	362.35	-152.01	313.55	-103.21	-150.72
		691	13.31	24.81	-428.08	-98.87	-304.39	201.79	362.35	-152.01	313.55	-103.21	-150.72
663	10	652	60.50	26.04	-1900.41	-604.95	-1269.43	904.11	1297.37	208.62	605.84	900.15	-524.11
		681	60.50	26.04	-1900.41	-604.95	-1269.43	904.11	1297.37	208.62	605.84	900.15	-524.11
		691	60.50	26.04	-1900.41	-604.95	-1269.43	904.11	1297.37	208.62	605.84	900.15	-524.11

663	14	652	9.59	16.64	-306.16	-70.33	-219.18	143.22	296.25	-87.91	259.47	-51.12	-113.04
		681	9.59	16.64	-306.16	-70.33	-219.18	143.22	296.25	-87.91	259.47	-51.12	-113.04
		691	9.59	16.64	-306.16	-70.33	-219.18	143.22	296.25	-87.91	259.47	-51.12	-113.04
663	16	652	9.33	15.68	-297.05	-68.08	-213.29	138.49	303.15	-76.48	266.67	-39.99	-111.90
		681	9.33	15.68	-297.05	-68.08	-213.29	138.49	303.15	-76.48	266.67	-39.99	-111.90
		691	9.33	15.68	-297.05	-68.08	-213.29	138.49	303.15	-76.48	266.67	-39.99	-111.90
664	2	754	16.45	5.74	-286.21	-39.07	-241.40	105.24	1590.84	-166.28	17.62	1406.94	-537.88
		682	16.45	5.74	-286.21	-39.07	-241.40	105.24	1590.84	-166.28	17.62	1406.94	-537.88
		302	16.45	5.74	-286.21	-39.07	-241.40	105.24	1590.84	-166.28	17.62	1406.94	-537.88
664	10	754	51.18	-45.90	-1404.64	-421.07	-1029.48	607.46	2342.56	-90.46	567.69	1684.41	-1080.80
		682	51.18	-45.90	-1404.64	-421.07	-1029.48	607.46	2342.56	-90.46	567.69	1684.41	-1080.80
		302	51.18	-45.90	-1404.64	-421.07	-1029.48	607.46	2342.56	-90.46	567.69	1684.41	-1080.80
664	14	754	12.13	1.88	-214.24	-37.24	-175.11	83.22	1171.45	-115.50	21.57	1034.39	-397.00
		682	12.13	1.88	-214.24	-37.24	-175.11	83.22	1171.45	-115.50	21.57	1034.39	-397.00
		302	12.13	1.88	-214.24	-37.24	-175.11	83.22	1171.45	-115.50	21.57	1034.39	-397.00
664	16	754	11.92	1.06	-212.07	-40.08	-170.94	84.11	1150.87	-110.62	24.72	1015.53	-390.41
		682	11.92	1.06	-212.07	-40.08	-170.94	84.11	1150.87	-110.62	24.72	1015.53	-390.41
		302	11.92	1.06	-212.07	-40.08	-170.94	84.11	1150.87	-110.62	24.72	1015.53	-390.41
665	1	706	6.58	-25.43	-80.39	-80.08	-25.74	-4.14	-329.41	-1048.62	-1048.49	-329.54	-9.73
		716	6.58	-27.92	-80.71	-80.38	-28.24	-4.14	-327.08	-1049.62	-1048.35	-328.35	-30.32
		715	7.31	-29.28	-91.59	-91.32	-29.55	-4.14	-338.86	-1145.81	-1144.75	-339.92	-29.24
		705	7.31	-26.78	-91.28	-91.02	-27.05	-4.14	-341.02	-1144.98	-1144.89	-341.11	-8.65
665	8	706	13.22	248.26	-240.06	-5.38	13.58	-243.98	276.26	-147.06	231.70	-102.50	-129.91
		716	14.09	167.86	-334.20	-24.08	-142.25	-243.98	267.15	-186.42	226.51	-145.77	-129.55
		715	14.74	207.96	-308.67	34.51	-135.22	-243.98	293.12	-210.49	228.20	-145.57	-168.77
		705	13.76	281.43	-207.61	53.21	20.61	-243.98	303.82	-172.73	233.39	-102.30	-169.13
665	13	706	5.06	-19.56	-61.84	-61.60	-19.80	-3.18	-253.39	-806.63	-806.53	-253.50	-7.48
		716	5.06	-21.47	-62.08	-61.83	-21.73	-3.18	-251.60	-807.40	-806.42	-252.58	-23.32
		715	5.62	-22.52	-70.46	-70.24	-22.73	-3.18	-260.66	-881.39	-880.57	-261.48	-22.49
		705	5.62	-20.60	-70.22	-70.01	-20.81	-3.18	-262.32	-880.76	-880.68	-262.39	-6.65
665	15	706	5.06	-19.56	-61.84	-61.60	-19.80	-3.18	-253.39	-806.63	-806.53	-253.50	-7.48
		716	5.06	-21.47	-62.08	-61.83	-21.73	-3.18	-251.60	-807.40	-806.42	-252.58	-23.32
		715	5.62	-22.52	-70.46	-70.24	-22.73	-3.18	-260.66	-881.39	-880.57	-261.48	-22.49
		705	5.62	-20.60	-70.22	-70.01	-20.81	-3.18	-262.32	-880.76	-880.68	-262.39	-6.65
666	1	707	5.49	-33.91	-63.06	-62.74	-34.23	-3.04	-265.62	-911.55	-911.03	-266.14	-18.34
		717	5.51	-35.61	-63.28	-62.95	-35.95	-3.04	-253.35	-913.18	-909.89	-256.64	-46.48
		716	6.58	-37.97	-81.79	-81.58	-38.19	-3.04	-270.59	-1043.50	-1041.64	-272.45	-37.87
		706	6.57	-36.26	-81.57	-81.37	-36.46	-3.04	-281.82	-1042.91	-1042.78	-281.95	-9.73
666	8	707	8.54	140.76	-181.46	-26.32	-14.37	-161.00	275.64	-57.57	264.49	-46.41	-59.95
		717	9.02	103.42	-222.37	-34.71	-84.24	-161.00	272.81	-91.20	260.58	-78.97	-65.59
		716	9.32	114.79	-213.75	-16.87	-82.10	-161.00	260.54	-108.54	234.14	-82.14	-95.10
		706	8.83	150.66	-171.37	-8.48	-12.23	-161.00	263.60	-75.13	238.05	-49.58	-89.46
666	13	707	4.22	-26.08	-48.51	-48.26	-26.33	-2.34	-204.32	-701.20	-700.79	-204.72	-14.10
		717	4.24	-27.39	-48.68	-48.42	-27.66	-2.34	-194.89	-702.45	-699.92	-197.42	-35.75
		716	5.06	-29.21	-62.91	-62.75	-29.37	-2.34	-208.15	-802.69	-801.26	-209.58	-29.13
		706	5.05	-27.89	-62.75	-62.59	-28.05	-2.34	-216.79	-802.24	-802.14	-216.88	-7.48
666	15	707	4.22	-26.08	-48.51	-48.26	-26.33	-2.34	-204.32	-701.20	-700.79	-204.72	-14.10
		717	4.24	-27.39	-48.68	-48.42	-27.66	-2.34	-194.89	-702.45	-699.92	-197.42	-35.75
		716	5.06	-29.21	-62.91	-62.75	-29.37	-2.34	-208.15	-802.69	-801.26	-209.58	-29.13
		706	5.05	-27.89	-62.75	-62.59	-28.05	-2.34	-216.79	-802.24	-802.14	-216.88	-7.48
667	1	708	4.14	-37.98	-44.92	-44.35	-38.55	-1.91	-154.68	-708.59	-707.66	-155.62	-22.72
		718	4.18	-38.82	-45.11	-44.46	-39.47	-1.91	-143.53	-714.33	-707.08	-150.78	-63.92
		717	5.53	-41.60	-63.81	-63.64	-41.77	-1.91	-169.07	-904.82	-899.97	-173.92	-59.54
		707	5.50	-40.70	-63.69	-63.53	-40.86	-1.91	-178.30	-901.01	-900.55	-178.76	-18.34
667	8	708	5.94	87.98	-139.71	-19.58	-32.16	-113.67	330.74	31.76	330.32	32.18	-11.22
		718	6.34	69.39	-162.36	-23.99	-68.97	-113.67	329.32	7.83	327.60	9.55	-23.44
		717	6.39	63.64	-166.70	-33.01	-70.05	-113.67	277.41	-4.35	270.38	2.68	-43.96
		707	6.01	82.78	-144.61	-28.59	-33.24	-113.67	277.09	21.31	273.09	25.31	-31.73
667	13	708	3.18	-29.22	-34.56	-34.12	-29.66	-1.47	-118.99	-545.07	-544.35	-119.70	-17.48
		718	3.21	-29.86	-34.70	-34.20	-30.36	-1.47	-110.40	-549.48	-543.91	-115.98	-49.17
		717	4.25	-32.00	-49.08	-48.96	-32.13	-1.47	-130.06	-696.01	-692.28	-133.79	-45.80
		707	4.23	-31.31	-49.00	-48.87	-31.43	-1.47	-137.15	-693.09	-692.73	-137.51	-14.10
667	15	708	3.18	-29.22	-34.56	-34.12	-29.66	-1.47	-118.99	-545.07	-544.35	-119.70	-17.48
		718	3.21	-29.86	-34.70	-34.20	-30.36	-1.47	-110.40	-549.48	-543.91	-115.98	-49.17
		717	4.25	-32.00	-49.08	-48.96	-32.13	-1.47	-130.06	-696.01	-692.28	-133.79	-45.80
		707	4.23	-31.31	-49.00	-48.87	-31.43	-1.47	-137.15	-693.09	-692.73	-137.51	-14.10
668	1	709	2.78	-27.83	-39.18	-27.94	-39.07	-1.11	-59.92	-489.02	-487.84	-61.10	-22.45
		719	2.84	-27.87	-39.45	-27.97	-39.34	-1.11	-50.93	-498.35	-487.88	-61.40	-67.63
		718	4.19	-41.01	-45.02	-44.69	-41.35	-1.11	-79.35	-706.83	-699.40	-86.78	-67.90
		708	4.15	-40.76	-44.97	-44.66	-41.08	-1.11	-85.64	-700.20	-699.36	-86.48	-22.72
668	11	709	4.48	50.67	-7.38	10.03	33.26	-26.60	-207.65	-930.34	-929.94	-208.05	-17.12
		719	4.57	47.80	-8.95	9.56	29.29	-26.60	-200.82	-934.40	-929.64	-205.58	-58.89
		718	5.34	50.74	-4.21	16.41	30.12	-26.60	-225.48	-1128.80	-1125.23	-229.05	-56.65
		708	5.40	53.44	-2.48	16.89	34.08	-26.60	-231.28	-1125.78	-1125.53	-231.53	-14.87
668	13	709	2.14	-21.41	-30.14	-21.49	-30.05	-0.85	-46.09	-376.17	-375.26	-47.00	-17.27
		719	2.18	-21.43	-30.34	-21.52	-30.26	-0.85	-39.18	-383.34	-375.29	-47.23	-52.02
		718	3.22	-31.55	-34.63	-34.38	-31.81	-0.85	-61.04	-543.72	-538.00	-66.76	-52.23

		708	3.19	-31.35	-34.59	-34.35	-31.60	-0.85	-65.88	-538.62	-537.97	-66.52	-17.48
668	15	709	2.14	-21.41	-30.14	-21.49	-30.05	-0.85	-46.09	-376.17	-375.26	-47.00	-17.27
		719	2.18	-21.43	-30.34	-21.52	-30.26	-0.85	-39.18	-383.34	-375.29	-47.23	-52.02
		718	3.22	-31.55	-34.63	-34.38	-31.81	-0.85	-61.04	-543.72	-538.00	-66.76	-52.23
		708	3.19	-31.35	-34.59	-34.35	-31.60	-0.85	-65.88	-538.62	-537.97	-66.52	-17.48
669	4	710	4.05	30.79	-20.04	30.74	-19.99	-1.63	671.28	168.42	671.25	168.45	3.84
		720	4.06	30.72	-20.61	30.67	-20.56	-1.63	670.77	163.50	670.67	163.60	7.09
		719	4.05	27.95	-20.94	27.90	-20.89	-1.63	685.89	165.41	685.88	165.43	2.69
		709	4.04	28.02	-20.37	27.97	-20.32	-1.63	686.46	170.28	686.46	170.28	-0.56
669	6	710	4.38	48.52	-92.33	-2.84	-40.96	67.79	563.31	146.77	561.25	148.83	-29.27
		720	4.37	54.50	-83.68	-1.27	-27.90	67.79	563.80	143.75	560.97	146.58	-34.35
		719	4.52	45.89	-90.48	-15.04	-29.55	67.79	540.56	140.39	537.23	143.73	-36.39
		709	4.53	39.42	-98.64	-16.60	-42.61	67.79	539.99	143.50	537.50	145.98	-31.32
669	13	710	1.45	-11.29	-28.49	-11.30	-28.47	-0.49	21.47	-221.12	-220.25	20.60	-14.51
		720	1.48	-11.28	-28.45	-11.30	-28.43	-0.49	26.25	-229.31	-220.61	17.55	-46.34
		719	2.17	-21.41	-29.68	-21.44	-29.65	-0.49	6.08	-376.08	-369.66	-0.34	-49.10
		709	2.14	-21.42	-29.72	-21.45	-29.69	-0.49	3.51	-370.10	-369.30	2.71	-17.27
669	15	710	1.45	-11.29	-28.49	-11.30	-28.47	-0.49	21.47	-221.12	-220.25	20.60	-14.51
		720	1.48	-11.28	-28.45	-11.30	-28.43	-0.49	26.25	-229.31	-220.61	17.55	-46.34
		719	2.17	-21.41	-29.68	-21.44	-29.65	-0.49	6.08	-376.08	-369.66	-0.34	-49.10
		709	2.14	-21.42	-29.72	-21.45	-29.69	-0.49	3.51	-370.10	-369.30	2.71	-17.27
670	4	711	3.70	29.43	-20.88	29.42	-20.86	-0.86	613.71	187.03	613.51	187.23	9.18
		721	3.71	29.41	-21.07	29.40	-21.05	-0.86	613.94	180.20	612.81	181.34	22.18
		720	4.02	30.64	-20.92	30.63	-20.90	-0.86	674.26	188.06	673.67	188.64	16.84
		710	4.01	30.67	-20.73	30.65	-20.72	-0.86	674.41	194.51	674.38	194.54	3.84
670	6	711	3.92	43.96	-74.76	6.85	-37.65	55.03	547.88	171.61	546.56	172.94	-22.26
		721	3.87	47.65	-68.31	7.94	-28.59	55.03	546.53	164.36	545.64	165.25	-18.45
		720	3.82	41.21	-72.42	-1.49	-29.72	55.03	565.10	165.76	563.47	167.39	-25.42
		710	3.89	37.25	-78.61	-2.58	-38.78	55.03	566.58	172.89	564.39	175.08	-29.23
670	14	711	2.03	15.95	-22.77	15.94	-22.76	-0.60	327.98	144.42	327.96	144.43	1.55
		721	2.04	15.94	-22.82	15.93	-22.82	-0.60	327.30	138.87	327.30	138.87	-0.43
		720	1.95	13.97	-23.06	13.96	-23.05	-0.60	318.23	137.59	318.07	137.76	-5.47
		710	1.94	13.98	-23.01	13.97	-23.00	-0.60	318.80	143.25	318.73	143.32	-3.50
670	16	711	1.76	13.70	-23.09	13.69	-23.08	-0.56	280.37	137.30	280.37	137.30	0.27
		721	1.77	13.69	-23.12	13.69	-23.11	-0.56	279.83	131.67	279.71	131.79	-4.19
		720	1.61	11.19	-23.42	11.19	-23.41	-0.56	259.45	128.63	258.80	129.28	-9.19
		710	1.60	11.20	-23.39	11.19	-23.38	-0.56	259.64	134.61	259.46	134.79	-4.72
671	2	652	19.31	111.05	-449.24	44.51	-382.70	-181.26	972.79	22.87	133.30	862.36	304.47
		691	19.31	111.05	-449.24	44.51	-382.70	-181.26	972.79	22.87	133.30	862.36	304.47
		692	19.31	111.05	-449.24	44.51	-382.70	-181.26	972.79	22.87	133.30	862.36	304.47
671	10	652	70.45	372.14	-1968.21	91.17	-1687.23	-760.68	2231.85	336.91	1150.38	1418.39	937.94
		691	70.45	372.14	-1968.21	91.17	-1687.23	-760.68	2231.85	336.91	1150.38	1418.39	937.94
		692	70.45	372.14	-1968.21	91.17	-1687.23	-760.68	2231.85	336.91	1150.38	1418.39	937.94
671	14	652	13.70	71.56	-322.54	19.91	-270.89	-133.00	714.75	50.58	132.52	632.81	218.43
		691	13.70	71.56	-322.54	19.91	-270.89	-133.00	714.75	50.58	132.52	632.81	218.43
		692	13.70	71.56	-322.54	19.91	-270.89	-133.00	714.75	50.58	132.52	632.81	218.43
671	16	652	13.25	66.18	-313.55	14.26	-261.63	-130.46	701.59	63.52	144.33	620.78	212.21
		691	13.25	66.18	-313.55	14.26	-261.63	-130.46	701.59	63.52	144.33	620.78	212.21
		692	13.25	66.18	-313.55	14.26	-261.63	-130.46	701.59	63.52	144.33	620.78	212.21
672	2	652	8.24	-77.97	-138.82	-137.28	-79.51	9.56	1042.35	-140.65	1016.94	-115.24	171.51
		692	8.24	-77.97	-138.82	-137.28	-79.51	9.56	1042.35	-140.65	1016.94	-115.24	171.51
		215	8.24	-77.97	-138.82	-137.28	-79.51	9.56	1042.35	-140.65	1016.94	-115.24	171.51
672	10	652	30.00	-294.62	-786.19	-785.75	-295.06	14.66	2324.35	360.52	2287.89	396.99	-265.10
		692	30.00	-294.62	-786.19	-785.75	-295.06	14.66	2324.35	360.52	2287.89	396.99	-265.10
		215	30.00	-294.62	-786.19	-785.75	-295.06	14.66	2324.35	360.52	2287.89	396.99	-265.10
672	14	652	6.06	-56.31	-108.12	-103.73	-60.70	14.43	766.82	-73.12	751.51	-57.81	112.38
		692	6.06	-56.31	-108.12	-103.73	-60.70	14.43	766.82	-73.12	751.51	-57.81	112.38
		215	6.06	-56.31	-108.12	-103.73	-60.70	14.43	766.82	-73.12	751.51	-57.81	112.38
672	16	652	5.96	-54.42	-109.09	-102.99	-60.52	17.22	753.11	-59.38	739.39	-45.66	104.67
		692	5.96	-54.42	-109.09	-102.99	-60.52	17.22	753.11	-59.38	739.39	-45.66	104.67
		215	5.96	-54.42	-109.09	-102.99	-60.52	17.22	753.11	-59.38	739.39	-45.66	104.67
673	2	215	16.45	5.74	-286.21	-33.22	-247.25	99.28	1590.83	-166.28	162.17	1262.39	-685.01
		692	16.45	5.74	-286.21	-33.22	-247.25	99.28	1590.83	-166.28	162.17	1262.39	-685.01
		703	16.45	5.74	-286.21	-33.22	-247.25	99.28	1590.83	-166.28	162.17	1262.39	-685.01
673	12	215	51.18	-45.90	-1404.64	-112.52	-1338.02	293.38	2342.56	-90.46	35.52	2216.58	-539.11
		692	51.18	-45.90	-1404.64	-112.52	-1338.02	293.38	2342.56	-90.46	35.52	2216.58	-539.11
		703	51.18	-45.90	-1404.64	-112.52	-1338.02	293.38	2342.56	-90.46	35.52	2216.58	-539.11
673	14	215	12.13	1.88	-214.24	-21.75	-190.60	67.45	1171.45	-115.50	122.06	933.89	-499.29
		692	12.13	1.88	-214.24	-21.75	-190.60	67.45	1171.45	-115.50	122.06	933.89	-499.29
		703	12.13	1.88	-214.24	-21.75	-190.60	67.45	1171.45	-115.50	122.06	933.89	-499.29
673	16	215	11.92	1.06	-212.07	-20.25	-190.77	63.93	1150.87	-110.62	121.00	919.25	-488.40
		692	11.92	1.06	-212.07	-20.25	-190.77	63.93	1150.87	-110.62	121.00	919.25	-488.40
		703	11.92	1.06	-212.07	-20.25	-190.77	63.93	1150.87	-110.62	121.00	919.25	-488.40
674	2	754	13.45	52.18	-138.16	-4.79	-81.19	-87.16	1634.10	-257.63	101.33	1275.14	741.76
		302	13.45	52.18	-138.16	-4.79	-81.19	-87.16	1634.10	-257.63	101.33	1275.14	741.76
		291	13.45	52.18	-138.16	-4.79	-81.19	-87.16	1634.10	-257.63	101.33	1275.14	741.76
674	12	754	35.95	123.51	-730.17	-63.02	-543.65	-352.76	2859.92	224.96	559.19	2525.68	876.92

		302	35.95	123.51	-730.17	-63.02	-543.65	-352.76	2859.92	224.96	559.19	2525.68	876.92
		291	35.95	123.51	-730.17	-63.02	-543.65	-352.76	2859.92	224.96	559.19	2525.68	876.92
674	14	754	9.91	34.17	-101.82	-3.36	-64.29	-60.79	1216.71	-185.50	83.68	947.53	552.26
		302	9.91	34.17	-101.82	-3.36	-64.29	-60.79	1216.71	-185.50	83.68	947.53	552.26
		291	9.91	34.17	-101.82	-3.36	-64.29	-60.79	1216.71	-185.50	83.68	947.53	552.26
674	16	754	9.73	31.87	-100.12	-3.23	-65.01	-58.32	1200.85	-180.52	85.94	934.39	545.05
		302	9.73	31.87	-100.12	-3.23	-65.01	-58.32	1200.85	-180.52	85.94	934.39	545.05
		291	9.73	31.87	-100.12	-3.23	-65.01	-58.32	1200.85	-180.52	85.94	934.39	545.05
675	1	716	5.44	-25.34	-81.47	-78.76	-28.05	-12.03	-293.92	-793.22	-789.82	-297.33	-41.08
		727	5.43	-32.23	-82.68	-79.63	-35.29	-12.03	-317.47	-794.99	-792.53	-319.93	-34.17
		726	5.60	-34.08	-93.37	-90.82	-36.63	-12.03	-309.42	-766.82	-760.19	-316.05	-54.66
		715	5.62	-27.09	-92.26	-89.95	-29.39	-12.03	-285.42	-765.51	-757.48	-293.45	-61.57
675	8	716	12.30	156.31	-277.32	16.38	-137.40	-202.72	166.00	-206.90	117.90	-158.80	-124.99
		727	13.64	119.16	-353.38	4.25	-238.47	-202.72	150.09	-226.39	114.11	-190.40	-110.70
		726	14.79	189.96	-326.31	91.64	-227.99	-202.72	228.29	-229.65	181.01	-182.37	-139.34
		715	13.39	221.66	-244.81	103.77	-126.91	-202.72	244.51	-210.48	184.80	-150.78	-153.63
675	13	716	4.19	-19.49	-62.67	-60.58	-21.58	-9.25	-226.10	-610.17	-607.56	-228.71	-31.60
		727	4.18	-24.80	-63.60	-61.25	-27.14	-9.25	-244.21	-611.53	-609.64	-246.10	-26.28
		726	4.31	-26.22	-71.83	-69.86	-28.18	-9.25	-238.02	-589.86	-584.76	-243.11	-42.04
		715	4.32	-20.84	-70.97	-69.20	-22.61	-9.25	-219.55	-588.85	-582.67	-225.73	-47.36
675	15	716	4.19	-19.49	-62.67	-60.58	-21.58	-9.25	-226.10	-610.17	-607.56	-228.71	-31.60
		727	4.18	-24.80	-63.60	-61.25	-27.14	-9.25	-244.21	-611.53	-609.64	-246.10	-26.28
		726	4.31	-26.22	-71.83	-69.86	-28.18	-9.25	-238.02	-589.86	-584.76	-243.11	-42.04
		715	4.32	-20.84	-70.97	-69.20	-22.61	-9.25	-219.55	-588.85	-582.67	-225.73	-47.36
676	1	717	4.54	-33.07	-64.13	-61.43	-35.77	-8.75	-214.44	-688.49	-674.53	-228.40	-80.15
		728	4.59	-37.94	-65.25	-62.07	-41.11	-8.75	-172.18	-691.80	-670.36	-193.62	-103.35
		727	5.46	-41.38	-82.55	-80.59	-43.33	-8.75	-197.77	-787.82	-778.94	-206.65	-71.82
		716	5.43	-36.24	-81.70	-79.95	-37.99	-8.75	-237.10	-787.44	-783.11	-241.43	-48.63
676	8	717	8.78	114.66	-202.99	-7.37	-80.96	-154.50	129.92	-120.59	106.76	-97.43	-72.57
		728	9.60	84.96	-252.61	-15.87	-151.78	-154.50	123.87	-136.75	104.38	-117.26	-68.56
		727	9.96	108.24	-241.20	15.10	-148.06	-154.50	151.28	-143.13	123.15	-115.00	-86.53
		716	9.11	135.70	-189.34	23.60	-77.24	-154.50	157.92	-127.57	125.53	-95.18	-90.54
676	13	717	3.49	-25.44	-49.33	-47.26	-27.52	-6.73	-164.95	-529.61	-518.87	-175.69	-61.66
		728	3.53	-29.18	-50.19	-47.75	-31.62	-6.73	-132.45	-532.15	-515.66	-148.94	-79.50
		727	4.20	-31.83	-63.50	-61.99	-33.33	-6.73	-152.13	-606.01	-599.18	-158.96	-55.25
		716	4.17	-27.88	-62.85	-61.50	-29.22	-6.73	-182.38	-605.73	-602.40	-185.71	-37.41
676	15	717	3.49	-25.44	-49.33	-47.26	-27.52	-6.73	-164.95	-529.61	-518.87	-175.69	-61.66
		728	3.53	-29.18	-50.19	-47.75	-31.62	-6.73	-132.45	-532.15	-515.66	-148.94	-79.50
		727	4.20	-31.83	-63.50	-61.99	-33.33	-6.73	-152.13	-606.01	-599.18	-158.96	-55.25
		716	4.17	-27.88	-62.85	-61.50	-29.22	-6.73	-182.38	-605.73	-602.40	-185.71	-37.41
677	1	718	3.49	-35.77	-47.25	-43.65	-39.37	-5.33	-103.25	-547.66	-522.30	-128.60	-103.08
		729	3.58	-37.46	-48.32	-43.95	-41.83	-5.33	-77.55	-561.17	-521.00	-117.72	-133.47
		728	4.59	-42.62	-63.86	-62.43	-44.05	-5.33	-107.31	-690.78	-663.30	-134.79	-123.61
		717	4.52	-40.29	-63.43	-62.13	-41.59	-5.33	-129.44	-680.84	-664.60	-145.68	-93.21
677	8	718	6.27	76.78	-154.48	-10.36	-67.34	-112.07	159.45	-19.17	151.83	-11.54	-36.11
		729	6.77	60.88	-180.67	-14.87	-104.92	-112.07	160.00	-38.03	149.86	-27.90	-43.65
		728	6.88	64.29	-178.83	-10.18	-104.35	-112.07	135.05	-52.58	114.60	-32.13	-58.47
		717	6.38	79.94	-152.38	-5.67	-66.77	-112.07	133.89	-33.11	116.56	-15.78	-50.93
677	13	718	2.68	-27.51	-36.35	-33.58	-30.28	-4.10	-79.42	-421.28	-401.77	-98.93	-79.29
		729	2.76	-28.81	-37.17	-33.80	-32.18	-4.10	-59.65	-431.67	-400.77	-90.55	-102.67
		728	3.53	-32.78	-49.12	-48.02	-33.89	-4.10	-82.55	-531.37	-510.23	-103.69	-95.08
		717	3.48	-30.99	-48.79	-47.79	-31.99	-4.10	-99.57	-523.72	-511.23	-112.06	-71.70
677	15	718	2.68	-27.51	-36.35	-33.58	-30.28	-4.10	-79.42	-421.28	-401.77	-98.93	-79.29
		729	2.76	-28.81	-37.17	-33.80	-32.18	-4.10	-59.65	-431.67	-400.77	-90.55	-102.67
		728	3.53	-32.78	-49.12	-48.02	-33.89	-4.10	-82.55	-531.37	-510.23	-103.69	-95.08
		717	3.48	-30.99	-48.79	-47.79	-31.99	-4.10	-99.57	-523.72	-511.23	-112.06	-71.70
678	1	719	2.44	-26.77	-40.07	-27.55	-39.29	-3.12	-12.29	-389.69	-356.36	-45.62	-107.08
		730	2.58	-26.90	-40.77	-27.64	-40.02	-3.12	8.77	-410.72	-356.36	-45.59	-140.88
		729	3.56	-39.69	-46.25	-43.96	-41.98	-3.12	-24.13	-555.08	-514.62	-64.58	-140.86
		718	3.46	-39.17	-45.95	-43.88	-41.25	-3.12	-40.44	-538.80	-514.63	-64.61	-107.06
678	6	719	5.25	54.76	-98.92	-21.33	-22.83	76.83	623.50	121.59	619.91	125.18	-42.29
		730	5.32	63.00	-91.07	-19.61	-8.46	76.83	624.49	121.16	619.97	125.68	-47.48
		729	5.57	53.39	-102.80	-38.67	-10.74	76.83	600.29	118.13	595.66	122.76	-47.03
		718	5.50	44.46	-109.97	-40.39	-25.12	76.83	599.27	118.59	595.60	122.26	-41.84
678	13	719	1.88	-20.59	-30.82	-21.19	-30.22	-2.40	-9.46	-299.76	-274.13	-35.09	-82.37
		730	1.98	-20.69	-31.36	-21.26	-30.79	-2.40	6.74	-315.94	-274.12	-35.07	-108.37
		729	2.74	-30.53	-35.58	-33.82	-32.29	-2.40	-18.56	-426.98	-395.86	-49.68	-108.35
		718	2.66	-30.13	-35.35	-33.75	-31.73	-2.40	-31.11	-414.46	-395.87	-49.70	-82.35
678	15	719	1.88	-20.59	-30.82	-21.19	-30.22	-2.40	-9.46	-299.76	-274.13	-35.09	-82.37
		730	1.98	-20.69	-31.36	-21.26	-30.79	-2.40	6.74	-315.94	-274.12	-35.07	-108.37
		729	2.74	-30.53	-35.58	-33.82	-32.29	-2.40	-18.56	-426.98	-395.86	-49.68	-108.35
		718	2.66	-30.13	-35.35	-33.75	-31.73	-2.40	-31.11	-414.46	-395.87	-49.70	-82.35
679	4	720	3.33	31.86	-20.88	31.45	-20.46	-4.65	509.15	143.67	508.66	144.16	13.36
		731	3.37	31.66	-22.43	31.26	-22.02	-4.65	507.61	130.07	507.04	130.64	14.67
		730	3.34	29.32	-22.73	28.91	-22.31	-4.65	513.16	131.36	513.14	131.38	2.42
		719	3.30	29.52	-21.18	29.09	-20.75	-4.65	514.77	144.89	514.76	144.89	1.11
679	6	720	4.44	47.79	-83.20	-6.84	-28.57	64.59	614.87	150.58	612.67	152.78	-31.89

		731	4.41	53.63	-76.07	-5.45	-16.99	64.59	613.26	140.30	611.40	142.16	-29.60
		730	4.77	44.75	-84.45	-20.86	-18.84	64.59	625.29	140.26	622.10	143.45	-39.22
		719	4.78	38.39	-91.05	-22.25	-30.42	64.59	627.02	150.42	623.38	154.07	-41.51
679	13	720	1.34	-10.97	-28.52	-11.08	-28.41	-1.38	50.28	-181.02	-156.04	25.30	-71.79
		731	1.40	-10.95	-28.34	-11.06	-28.23	-1.38	59.28	-199.49	-157.06	16.84	-95.81
		730	1.92	-20.88	-29.66	-21.10	-29.43	-1.38	38.15	-304.31	-269.51	3.35	-103.47
		719	1.83	-20.90	-29.83	-21.12	-29.61	-1.38	32.76	-289.45	-268.50	11.80	-79.45
679	15	720	1.34	-10.97	-28.52	-11.08	-28.41	-1.38	50.28	-181.02	-156.04	25.30	-71.79
		731	1.40	-10.95	-28.34	-11.06	-28.23	-1.38	59.28	-199.49	-157.06	16.84	-95.81
		730	1.92	-20.88	-29.66	-21.10	-29.43	-1.38	38.15	-304.31	-269.51	3.35	-103.47
		719	1.83	-20.90	-29.83	-21.12	-29.61	-1.38	32.76	-289.45	-268.50	11.80	-79.45
680	4	721	3.06	30.03	-21.11	29.91	-20.99	-2.47	472.94	159.25	468.20	163.99	38.24
		732	3.10	29.97	-21.57	29.85	-21.45	-2.47	473.13	140.36	466.20	147.30	47.53
		731	3.33	31.46	-21.39	31.35	-21.27	-2.47	512.57	149.60	509.66	152.51	32.40
		720	3.29	31.52	-20.93	31.40	-20.81	-2.47	513.22	167.65	511.66	169.20	23.12
680	11	721	3.13	40.88	-11.99	8.94	19.94	-25.86	48.67	-453.58	-433.01	28.10	-99.53
		732	3.33	39.02	-13.38	8.60	17.05	-25.86	55.04	-475.75	-434.71	13.99	-141.78
		731	4.06	38.59	-13.95	7.70	16.94	-25.86	26.51	-668.78	-632.52	-9.75	-154.58
		720	3.90	40.46	-12.58	8.04	19.84	-25.86	23.64	-650.11	-630.83	4.37	-112.32
680	14	721	1.72	16.39	-22.85	16.31	-22.77	-1.73	254.97	130.14	254.92	130.18	2.32
		732	1.75	16.38	-22.92	16.30	-22.85	-1.73	253.04	114.51	253.04	114.51	0.56
		731	1.68	14.58	-23.14	14.51	-23.06	-1.73	246.21	112.12	244.81	113.52	-13.64
		720	1.65	14.59	-23.06	14.51	-22.98	-1.73	247.88	128.00	246.69	129.19	-11.88
680	16	721	1.50	14.11	-23.13	14.05	-23.07	-1.60	219.52	124.40	219.38	124.55	-3.67
		732	1.54	14.11	-23.15	14.04	-23.08	-1.60	218.00	108.56	217.52	109.05	-7.27
		731	1.42	11.77	-23.43	11.70	-23.36	-1.60	205.29	102.40	200.66	107.03	-21.32
		720	1.38	11.77	-23.42	11.70	-23.35	-1.60	206.27	118.78	202.52	122.52	-17.72
681	2	215	13.45	52.18	-138.16	43.76	-129.74	39.13	1634.10	-257.63	-244.40	1620.87	-157.67
		703	13.45	52.18	-138.16	43.76	-129.74	39.13	1634.10	-257.63	-244.40	1620.87	-157.67
		226	13.45	52.18	-138.16	43.76	-129.74	39.13	1634.10	-257.63	-244.40	1620.87	-157.67
681	10	215	35.95	123.51	-730.17	111.39	-718.06	100.97	2859.92	224.96	224.98	2859.90	7.45
		703	35.95	123.51	-730.17	111.39	-718.06	100.97	2859.92	224.96	224.98	2859.90	7.45
		226	35.95	123.51	-730.17	111.39	-718.06	100.97	2859.92	224.96	224.98	2859.90	7.45
681	14	215	9.91	34.17	-101.82	29.51	-97.16	24.73	1216.71	-185.50	-175.03	1206.23	-120.77
		703	9.91	34.17	-101.82	29.51	-97.16	24.73	1216.71	-185.50	-175.03	1206.23	-120.77
		226	9.91	34.17	-101.82	29.51	-97.16	24.73	1216.71	-185.50	-175.03	1206.23	-120.77
681	16	215	9.73	31.87	-100.12	27.88	-96.12	22.61	1200.85	-180.52	-169.91	1190.24	-120.56
		703	9.73	31.87	-100.12	27.88	-96.12	22.61	1200.85	-180.52	-169.91	1190.24	-120.56
		226	9.73	31.87	-100.12	27.88	-96.12	22.61	1200.85	-180.52	-169.91	1190.24	-120.56
682	2	703	18.62	-6.06	-307.29	-119.08	-194.27	-145.85	1979.95	-95.36	617.34	1267.25	985.46
		713	16.08	15.77	-282.66	-164.98	-101.91	-145.85	1811.25	322.06	864.59	1268.72	716.65
		237	13.47	132.81	-160.58	1.88	-29.65	-145.85	1417.46	-80.72	166.80	1169.94	556.38
		226	18.51	20.05	-290.96	-81.50	-189.41	-145.85	1909.37	-207.20	454.55	1247.61	981.19
682	8	703	45.05	-250.28	-1253.56	-814.42	-689.43	-497.73	2152.69	-900.79	790.19	461.71	1517.88
		713	55.44	282.72	-1550.25	-1403.31	135.79	-497.73	2258.85	483.53	1329.97	1412.41	886.71
		237	37.33	1237.64	208.57	592.68	853.53	-497.73	2298.14	-361.40	188.42	1748.33	1077.01
		226	42.25	19.55	-1012.13	-360.80	-631.78	-497.73	2090.79	-1149.41	510.10	431.27	1619.62
682	14	703	14.00	-10.80	-233.69	-100.81	-143.69	-109.36	1490.46	-79.68	454.93	955.85	744.04
		713	12.19	8.22	-219.79	-137.99	-73.58	-109.36	1365.69	231.93	638.97	958.65	543.88
		237	10.10	98.30	-120.81	-4.72	-17.79	-109.36	1075.66	-69.29	120.26	886.11	425.55
		226	13.89	9.41	-219.96	-70.74	-139.81	-109.36	1438.45	-163.29	333.90	941.26	741.06
682	16	703	13.87	-13.11	-232.75	-104.44	-141.42	-108.25	1477.63	-82.17	447.07	948.39	738.53
		713	12.13	6.85	-220.90	-142.36	-71.69	-108.25	1354.84	225.68	628.68	951.83	540.97
		237	9.99	96.86	-119.82	-7.15	-15.81	-108.25	1069.87	-72.12	117.09	880.65	424.59
		226	13.75	7.12	-218.52	-73.91	-137.49	-108.25	1426.52	-164.84	327.69	933.99	735.66
683	1	237	9.68	1.29	-214.22	-73.84	-139.10	-102.70	925.42	450.16	542.58	833.00	188.10
		713	9.68	1.29	-214.22	-73.84	-139.10	-102.70	925.42	450.16	542.58	833.00	188.10
		723	9.68	1.29	-214.22	-73.84	-139.10	-102.70	925.42	450.16	542.58	833.00	188.10
683	8	237	49.77	16.01	-1596.90	-43.99	-1536.90	-305.25	1728.56	917.59	1437.71	1208.44	388.95
		713	49.77	16.01	-1596.90	-43.99	-1536.90	-305.25	1728.56	917.59	1437.71	1208.44	388.95
		723	49.77	16.01	-1596.90	-43.99	-1536.90	-305.25	1728.56	917.59	1437.71	1208.44	388.95
683	13	237	7.45	0.99	-164.79	-56.80	-107.00	-79.00	711.86	346.28	417.37	640.77	144.69
		713	7.45	0.99	-164.79	-56.80	-107.00	-79.00	711.86	346.28	417.37	640.77	144.69
		723	7.45	0.99	-164.79	-56.80	-107.00	-79.00	711.86	346.28	417.37	640.77	144.69
683	15	237	7.45	0.99	-164.79	-56.80	-107.00	-79.00	711.86	346.28	417.37	640.77	144.69
		713	7.45	0.99	-164.79	-56.80	-107.00	-79.00	711.86	346.28	417.37	640.77	144.69
		723	7.45	0.99	-164.79	-56.80	-107.00	-79.00	711.86	346.28	417.37	640.77	144.69
684	2	722	13.31	24.81	-428.08	-396.68	-6.59	115.04	362.35	-152.01	10.32	200.02	-239.05
		635	13.31	24.81	-428.08	-396.68	-6.59	115.04	362.35	-152.01	10.32	200.02	-239.05
		744	13.31	24.81	-428.08	-396.68	-6.59	115.04	362.35	-152.01	10.32	200.02	-239.05
684	12	722	60.50	26.04	-1900.41	-1702.97	-171.41	584.29	1297.37	208.62	1158.58	347.41	-363.11
		635	60.50	26.04	-1900.41	-1702.97	-171.41	584.29	1297.37	208.62	1158.58	347.41	-363.11
		744	60.50	26.04	-1900.41	-1702.97	-171.41	584.29	1297.37	208.62	1158.58	347.41	-363.11
684	14	722	9.59	16.64	-306.16	-284.45	-5.07	80.85	296.25	-87.91	33.87	174.47	-178.75
		635	9.59	16.64	-306.16	-284.45	-5.07	80.85	296.25	-87.91	33.87	174.47	-178.75
		744	9.59	16.64	-306.16	-284.45	-5.07	80.85	296.25	-87.91	33.87	174.47	-178.75
684	16	722	9.33	15.68	-297.05	-276.30	-5.07	77.84	303.15	-76.48	44.08	182.59	-176.73

		635	9.33	15.68	-297.05	-276.30	-5.07	77.84	303.15	-76.48	44.08	182.59	-176.73
		744	9.33	15.68	-297.05	-276.30	-5.07	77.84	303.15	-76.48	44.08	182.59	-176.73
685	4	727	2.17	52.98	-13.14	41.69	-1.85	-24.88	87.13	-20.18	44.75	22.21	-52.46
		738	2.71	45.12	-44.11	37.53	-36.53	-24.88	77.32	-55.95	39.87	-18.50	-59.90
		737	3.86	97.49	-34.78	92.64	-29.92	-24.88	88.95	-106.63	5.00	-22.69	-96.80
		726	3.36	103.09	-1.54	96.80	4.76	-24.88	103.40	-75.49	9.89	18.02	-89.36
685	8	727	11.83	113.25	-301.71	45.11	-233.57	-153.73	3.88	-253.25	-40.43	-208.95	-97.10
		738	13.31	92.31	-376.47	34.86	-319.01	-153.73	-28.18	-232.40	-41.63	-218.96	-50.64
		737	14.02	111.97	-371.55	56.80	-316.38	-153.73	185.32	-202.29	175.88	-192.86	-59.72
		726	12.54	132.15	-296.03	67.05	-230.94	-153.73	206.07	-211.83	177.09	-182.85	-106.18
685	13	727	2.51	-20.68	-64.51	-58.39	-26.80	-15.19	-137.70	-230.84	-174.64	-193.90	-45.56
		738	2.50	-31.31	-67.97	-59.90	-39.38	-15.19	-92.53	-191.65	-165.60	-118.58	-43.63
		737	2.44	-33.71	-74.98	-68.30	-40.39	-15.19	-105.59	-168.48	-156.58	-117.50	24.64
		726	2.45	-22.59	-72.02	-66.80	-27.81	-15.19	-152.75	-205.69	-165.62	-192.82	22.71
685	15	727	2.51	-20.68	-64.51	-58.39	-26.80	-15.19	-137.70	-230.84	-174.64	-193.90	-45.56
		738	2.50	-31.31	-67.97	-59.90	-39.38	-15.19	-92.53	-191.65	-165.60	-118.58	-43.63
		737	2.44	-33.71	-74.98	-68.30	-40.39	-15.19	-105.59	-168.48	-156.58	-117.50	24.64
		726	2.45	-22.59	-72.02	-66.80	-27.81	-15.19	-152.75	-205.69	-165.62	-192.82	22.71
686	1	728	2.87	-34.31	-65.93	-59.45	-40.80	-12.77	-46.35	-288.89	-198.28	-136.97	-117.33
		739	2.92	-40.33	-68.50	-60.37	-48.47	-12.77	-27.77	-282.20	-195.57	-114.41	-120.57
		738	3.21	-45.51	-82.84	-77.79	-50.56	-12.77	-52.77	-274.19	-210.73	-116.23	-100.12
		727	3.17	-38.62	-81.13	-76.87	-42.89	-12.77	-72.29	-279.94	-213.44	-138.79	-96.88
686	8	728	8.32	72.72	-220.69	1.70	-149.67	-125.67	-34.99	-182.89	-78.66	-139.22	-67.46
		739	9.07	57.87	-259.22	-4.02	-197.33	-125.67	-46.18	-178.47	-79.38	-145.27	-57.36
		738	9.63	103.84	-244.42	50.24	-190.82	-125.67	-3.16	-168.53	-32.10	-139.59	-62.84
		727	8.84	116.73	-203.93	55.96	-143.16	-125.67	6.59	-171.51	-31.38	-133.55	-72.94
686	13	728	2.21	-26.39	-50.72	-45.73	-31.38	-9.82	-35.66	-222.22	-152.52	-105.36	-90.25
		739	2.24	-31.03	-52.70	-46.44	-37.28	-9.82	-21.36	-217.08	-150.44	-88.01	-92.75
		738	2.47	-35.01	-63.72	-59.84	-38.89	-9.82	-40.59	-210.91	-162.10	-89.41	-77.01
		727	2.44	-29.71	-62.41	-59.13	-32.99	-9.82	-55.61	-215.34	-164.18	-106.76	-74.52
686	15	728	2.21	-26.39	-50.72	-45.73	-31.38	-9.82	-35.66	-222.22	-152.52	-105.36	-90.25
		739	2.24	-31.03	-52.70	-46.44	-37.28	-9.82	-21.36	-217.08	-150.44	-88.01	-92.75
		738	2.47	-35.01	-63.72	-59.84	-38.89	-9.82	-40.59	-210.91	-162.10	-89.41	-77.01
		727	2.44	-29.71	-62.41	-59.13	-32.99	-9.82	-55.61	-215.34	-164.18	-106.76	-74.52
687	1	729	2.47	-34.28	-49.83	-42.46	-41.66	-7.76	48.87	-271.87	-149.82	-73.18	-155.72
		740	2.52	-36.22	-51.92	-42.89	-45.25	-7.76	70.88	-271.48	-147.42	-53.18	-164.56
		739	2.83	-43.69	-63.88	-60.23	-47.33	-7.76	36.87	-283.83	-188.82	-58.14	-146.43
		728	2.78	-40.60	-62.94	-59.80	-43.74	-7.76	14.07	-283.44	-191.22	-78.15	-137.59
687	8	729	6.30	62.54	-166.36	-0.62	-103.21	-102.31	-6.30	-111.93	-64.60	-53.63	-52.53
		740	6.84	50.38	-194.24	-4.91	-138.95	-102.31	-8.66	-115.55	-65.24	-58.97	-53.35
		739	6.91	56.83	-191.72	3.10	-137.99	-102.31	-5.87	-122.64	-69.08	-59.43	-58.19
		728	6.37	68.65	-163.50	7.39	-102.25	-102.31	-3.45	-119.08	-68.44	-54.09	-57.37
687	13	729	1.90	-26.37	-38.33	-32.66	-32.04	-5.97	37.59	-209.13	-115.25	-56.29	-119.79
		740	1.94	-27.86	-39.94	-32.99	-34.81	-5.97	54.52	-208.83	-113.40	-40.90	-126.59
		739	2.17	-33.61	-49.13	-46.33	-36.41	-5.97	28.36	-218.33	-145.24	-44.73	-112.64
		728	2.14	-31.23	-48.41	-46.00	-33.64	-5.97	10.83	-218.03	-147.09	-60.11	-105.84
687	15	729	1.90	-26.37	-38.33	-32.66	-32.04	-5.97	37.59	-209.13	-115.25	-56.29	-119.79
		740	1.94	-27.86	-39.94	-32.99	-34.81	-5.97	54.52	-208.83	-113.40	-40.90	-126.59
		739	2.17	-33.61	-49.13	-46.33	-36.41	-5.97	28.36	-218.33	-145.24	-44.73	-112.64
		728	2.14	-31.23	-48.41	-46.00	-33.64	-5.97	10.83	-218.03	-147.09	-60.11	-105.84
688	1	730	2.02	-25.49	-41.37	-26.92	-39.94	-4.54	112.68	-223.56	-96.47	-14.41	-163.04
		741	2.10	-25.67	-42.20	-27.03	-40.84	-4.54	122.37	-233.34	-96.48	-14.49	-173.07
		740	2.40	-38.10	-47.19	-42.58	-42.70	-4.54	102.01	-265.59	-143.45	-20.13	-173.14
		729	2.34	-37.58	-46.69	-42.47	-41.80	-4.54	92.65	-256.13	-143.44	-20.04	-163.11
688	6	730	5.19	52.42	-86.23	-24.74	-9.07	68.88	662.13	126.94	658.74	130.33	-42.45
		741	5.20	58.65	-81.27	-23.54	0.92	68.88	660.05	119.64	657.74	121.95	-35.24
		740	5.74	49.77	-94.11	-42.94	-1.40	68.88	694.73	122.78	691.50	126.00	-42.84
		729	5.72	43.03	-98.57	-44.14	-11.40	68.88	696.96	129.93	692.51	134.38	-50.05
688	13	730	1.56	-19.61	-31.82	-20.71	-30.72	-3.50	86.68	-171.97	-74.21	-11.08	-125.41
		741	1.61	-19.75	-32.46	-20.79	-31.41	-3.50	94.13	-179.49	-74.21	-11.15	-133.13
		740	1.85	-29.30	-36.30	-32.75	-32.85	-3.50	78.47	-204.30	-110.35	-15.48	-133.19
		729	1.80	-28.91	-35.92	-32.67	-32.16	-3.50	71.27	-197.03	-110.34	-15.42	-125.47
688	15	730	1.56	-19.61	-31.82	-20.71	-30.72	-3.50	86.68	-171.97	-74.21	-11.08	-125.41
		741	1.61	-19.75	-32.46	-20.79	-31.41	-3.50	94.13	-179.49	-74.21	-11.15	-133.13
		740	1.85	-29.30	-36.30	-32.75	-32.85	-3.50	78.47	-204.30	-110.35	-15.48	-133.19
		729	1.80	-28.91	-35.92	-32.67	-32.16	-3.50	71.27	-197.03	-110.34	-15.42	-125.47
689	2	731	1.95	30.38	-31.26	29.44	-30.31	-7.58	171.77	96.99	168.08	100.68	-16.19
		742	2.05	30.12	-33.18	29.20	-32.26	-7.58	169.99	73.38	165.36	78.01	-20.64
		741	1.91	25.66	-33.78	24.68	-32.80	-7.58	163.75	56.29	144.52	75.51	-41.18
		730	1.81	25.92	-31.87	24.91	-30.86	-7.58	166.88	78.54	147.24	98.18	-36.73
689	6	731	4.20	46.30	-74.20	-10.33	-17.58	60.14	594.15	139.29	593.44	140.01	-18.02
		742	4.14	51.77	-68.52	-9.13	-7.61	60.14	591.33	122.14	591.30	122.17	-3.61
		741	4.76	43.48	-77.77	-24.79	-9.49	60.14	659.48	129.52	658.74	130.26	-19.79
		730	4.80	37.51	-82.95	-25.99	-19.46	60.14	663.15	145.83	660.88	148.10	-34.19
689	13	731	1.23	-10.45	-28.42	-10.69	-28.18	-2.05	114.56	-115.62	-32.82	31.75	-110.47
		742	1.26	-10.39	-27.97	-10.63	-27.72	-2.05	114.72	-128.20	-34.15	20.67	-118.32
		741	1.47	-20.02	-29.38	-20.49	-28.91	-2.05	108.23	-162.90	-70.93	16.26	-128.37

		730	1.40	-20.09	-29.82	-20.55	-29.37	-2.05	108.77	-151.02	-69.60	27.34	-120.51
689	15	731	1.23	-10.45	-28.42	-10.69	-28.18	-2.05	114.56	-115.62	-32.82	31.75	-110.47
		742	1.26	-10.39	-27.97	-10.63	-27.72	-2.05	114.72	-128.20	-34.15	20.67	-118.32
		741	1.47	-20.02	-29.38	-20.49	-28.91	-2.05	108.23	-162.90	-70.93	16.26	-128.37
		730	1.40	-20.09	-29.82	-20.55	-29.37	-2.05	108.77	-151.02	-69.60	27.34	-120.51
690	4	732	1.78	31.08	-21.61	30.80	-21.34	-3.78	205.72	77.79	171.57	111.94	56.59
		743	1.83	31.02	-22.04	30.75	-21.76	-3.78	199.35	57.09	168.67	87.77	58.51
		742	1.90	32.94	-21.80	32.68	-21.53	-3.78	190.79	75.71	177.65	88.85	36.60
		731	1.85	33.00	-21.37	32.73	-21.10	-3.78	195.19	98.38	180.55	113.02	34.68
690	11	732	3.57	46.08	-18.00	10.77	17.31	-31.88	91.14	-427.46	-359.35	23.03	-175.16
		743	3.75	44.17	-19.69	10.38	14.10	-31.88	95.84	-455.14	-361.81	2.52	-206.67
		742	4.25	43.19	-20.78	8.53	13.88	-31.88	72.09	-596.61	-509.33	-15.19	-225.26
		731	4.09	45.14	-19.14	8.92	17.09	-31.88	70.37	-571.91	-506.87	5.33	-193.76
690	13	732	1.20	-3.65	-24.94	-3.69	-24.90	-0.94	123.93	-51.10	-0.45	73.29	-79.37
		743	1.13	-3.53	-23.97	-3.57	-23.93	-0.94	115.13	-64.52	-2.83	53.43	-85.31
		742	1.22	-10.21	-24.79	-10.27	-24.73	-0.94	120.64	-101.16	-30.62	50.10	-103.30
		731	1.27	-10.33	-25.76	-10.39	-25.71	-0.94	129.90	-88.18	-28.24	69.95	-97.37
690	15	732	1.20	-3.65	-24.94	-3.69	-24.90	-0.94	123.93	-51.10	-0.45	73.29	-79.37
		743	1.13	-3.53	-23.97	-3.57	-23.93	-0.94	115.13	-64.52	-2.83	53.43	-85.31
		742	1.22	-10.21	-24.79	-10.27	-24.73	-0.94	120.64	-101.16	-30.62	50.10	-103.30
		731	1.27	-10.33	-25.76	-10.39	-25.71	-0.94	129.90	-88.18	-28.24	69.95	-97.37
691	4	673	5.43	145.99	-38.42	0.95	106.62	75.57	26.46	-166.95	-100.88	-39.61	-91.73
		671	5.43	145.99	-38.42	0.95	106.62	75.57	26.46	-166.95	-100.88	-39.61	-91.73
		733	5.43	145.99	-38.42	0.95	106.62	75.57	26.46	-166.95	-100.88	-39.61	-91.73
691	6	673	20.28	32.22	-644.19	-643.19	31.22	26.01	338.49	-192.79	-109.55	255.25	193.12
		671	20.28	32.22	-644.19	-643.19	31.22	26.01	338.49	-192.79	-109.55	255.25	193.12
		733	20.28	32.22	-644.19	-643.19	31.22	26.01	338.49	-192.79	-109.55	255.25	193.12
691	14	673	2.97	67.02	-39.00	-23.71	51.73	37.25	-17.60	-135.91	-135.68	-17.82	-5.19
		671	2.97	67.02	-39.00	-23.71	51.73	37.25	-17.60	-135.91	-135.68	-17.82	-5.19
		733	2.97	67.02	-39.00	-23.71	51.73	37.25	-17.60	-135.91	-135.68	-17.82	-5.19
691	16	673	2.80	54.20	-39.43	-27.81	42.58	30.87	-13.53	-142.15	-141.48	-14.19	9.23
		671	2.80	54.20	-39.43	-27.81	42.58	30.87	-13.53	-142.15	-141.48	-14.19	9.23
		733	2.80	54.20	-39.43	-27.81	42.58	30.87	-13.53	-142.15	-141.48	-14.19	9.23
692	4	693	5.87	112.84	-91.13	101.87	-80.16	-46.02	-84.59	-364.90	-338.93	-110.56	-81.28
		735	5.87	112.84	-91.13	101.87	-80.16	-46.02	-84.59	-364.90	-338.93	-110.56	-81.28
		638	5.87	112.84	-91.13	101.87	-80.16	-46.02	-84.59	-364.90	-338.93	-110.56	-81.28
692	8	693	34.81	-10.45	-1177.31	-784.25	-403.51	-551.50	526.51	-65.92	526.44	-65.85	-6.33
		735	34.81	-10.45	-1177.31	-784.25	-403.51	-551.50	526.51	-65.92	526.44	-65.85	-6.33
		638	34.81	-10.45	-1177.31	-784.25	-403.51	-551.50	526.51	-65.92	526.44	-65.85	-6.33
692	14	693	3.92	55.93	-76.33	44.59	-64.99	-37.03	13.17	-137.16	-18.85	-105.14	-61.54
		735	3.92	55.93	-76.33	44.59	-64.99	-37.03	13.17	-137.16	-18.85	-105.14	-61.54
		638	3.92	55.93	-76.33	44.59	-64.99	-37.03	13.17	-137.16	-18.85	-105.14	-61.54
692	16	693	3.79	46.61	-74.03	35.04	-62.46	-35.53	55.71	-125.45	34.50	-104.24	-58.25
		735	3.79	46.61	-74.03	35.04	-62.46	-35.53	55.71	-125.45	34.50	-104.24	-58.25
		638	3.79	46.61	-74.03	35.04	-62.46	-35.53	55.71	-125.45	34.50	-104.24	-58.25
693	1	726	3.21	-21.94	-93.31	-54.75	-60.50	35.57	-203.62	-210.36	-206.62	-207.36	3.35
		737	3.21	-21.94	-93.31	-54.75	-60.50	35.57	-203.62	-210.36	-206.62	-207.36	3.35
		734	3.21	-21.94	-93.31	-54.75	-60.50	35.57	-203.62	-210.36	-206.62	-207.36	3.35
693	8	726	15.51	91.34	-430.32	-421.82	82.84	-66.04	192.12	-235.77	-217.79	174.14	-85.86
		737	15.51	91.34	-430.32	-421.82	82.84	-66.04	192.12	-235.77	-217.79	174.14	-85.86
		734	15.51	91.34	-430.32	-421.82	82.84	-66.04	192.12	-235.77	-217.79	174.14	-85.86
693	13	726	2.47	-16.88	-71.78	-42.11	-46.54	27.36	-156.63	-161.82	-158.94	-159.51	2.58
		737	2.47	-16.88	-71.78	-42.11	-46.54	27.36	-156.63	-161.82	-158.94	-159.51	2.58
		734	2.47	-16.88	-71.78	-42.11	-46.54	27.36	-156.63	-161.82	-158.94	-159.51	2.58
693	15	726	2.47	-16.88	-71.78	-42.11	-46.54	27.36	-156.63	-161.82	-158.94	-159.51	2.58
		737	2.47	-16.88	-71.78	-42.11	-46.54	27.36	-156.63	-161.82	-158.94	-159.51	2.58
		734	2.47	-16.88	-71.78	-42.11	-46.54	27.36	-156.63	-161.82	-158.94	-159.51	2.58
694	4	737	5.61	78.93	-48.24	77.34	-46.66	14.09	-47.98	-551.64	-537.29	-62.33	-83.78
		747	6.02	74.08	-85.56	72.83	-84.31	14.09	-108.51	-556.79	-544.33	-120.97	-73.69
		746	6.76	107.97	-81.27	106.92	-80.22	14.09	-77.00	-535.38	-497.08	-115.30	-126.85
		735	6.38	112.72	-43.85	111.44	-42.57	14.09	-17.01	-529.69	-490.04	-56.66	-136.94
694	12	737	13.69	103.80	-359.04	103.04	-358.29	18.69	-166.01	-465.11	-176.45	-454.68	54.88
		747	17.07	88.47	-485.36	87.86	-484.75	18.69	-111.80	-512.27	-175.69	-448.38	146.65
		746	19.76	189.66	-473.13	189.13	-472.60	18.69	287.85	-430.73	253.95	-396.82	152.36
		735	16.64	204.94	-346.77	204.31	-346.14	18.69	258.74	-408.67	253.19	-403.12	60.59
694	13	737	4.59	-27.31	-76.26	-64.40	-39.17	-20.97	543.31	-191.94	541.97	-190.61	31.30
		747	4.35	-44.22	-86.36	-67.30	-63.29	-20.97	561.47	-58.99	558.16	-55.68	45.21
		746	4.62	-32.94	-76.69	-48.59	-61.04	-20.97	662.73	-87.35	623.25	-47.87	167.51
		735	4.81	-19.88	-62.74	-45.70	-36.92	-20.97	635.88	-211.62	607.05	-182.80	153.61
694	15	737	4.59	-27.31	-76.26	-64.40	-39.17	-20.97	543.31	-191.94	541.97	-190.61	31.30
		747	4.35	-44.22	-86.36	-67.30	-63.29	-20.97	561.47	-58.99	558.16	-55.68	45.21
		746	4.62	-32.94	-76.69	-48.59	-61.04	-20.97	662.73	-87.35	623.25	-47.87	167.51
		735	4.81	-19.88	-62.74	-45.70	-36.92	-20.97	635.88	-211.62	607.05	-182.80	153.61
695	4	738	3.91	46.96	-40.62	42.29	-35.96	-19.66	-64.57	-493.64	-477.61	-80.60	-81.36
		748	4.44	42.30	-69.28	38.72	-65.70	-19.66	-42.17	-496.21	-475.49	-62.90	-94.77
		747	5.64	78.36	-64.04	75.59	-61.27	-19.66	-57.54	-551.15	-538.26	-70.43	-78.72
		737	5.18	82.55	-34.93	79.16	-31.54	-19.66	-78.89	-549.63	-540.39	-88.13	-65.32

695	12	738	9.43	24.10	-272.63	13.34	-261.87	-55.49	-265.71	-410.42	-267.04	-409.09	13.81
		748	11.52	10.97	-360.73	2.49	-352.25	-55.49	-249.39	-367.14	-260.65	-355.88	34.62
		747	12.81	112.06	-346.74	105.24	-339.92	-55.49	-130.99	-376.38	-163.19	-344.18	82.85
		737	10.77	124.33	-257.77	116.09	-249.54	-55.49	-153.78	-413.19	-169.57	-397.39	62.04
695	13	738	3.67	-28.84	-65.95	-55.89	-38.90	-16.50	490.16	-41.15	489.03	-40.02	-24.45
		748	3.64	-37.88	-71.35	-57.44	-51.80	-16.50	490.56	-28.79	490.40	-28.63	-9.07
		747	4.20	-41.67	-77.21	-66.04	-52.83	-16.50	562.45	-19.99	562.44	-19.99	1.26
		737	4.24	-31.64	-72.78	-64.49	-39.93	-16.50	561.41	-31.71	561.08	-31.38	-14.13
695	15	738	3.67	-28.84	-65.95	-55.89	-38.90	-16.50	490.16	-41.15	489.03	-40.02	-24.45
		748	3.64	-37.88	-71.35	-57.44	-51.80	-16.50	490.56	-28.79	490.40	-28.63	-9.07
		747	4.20	-41.67	-77.21	-66.04	-52.83	-16.50	562.45	-19.99	562.44	-19.99	1.26
		737	4.24	-31.64	-72.78	-64.49	-39.93	-16.50	561.41	-31.71	561.08	-31.38	-14.13
696	1	739	3.79	-37.32	-67.78	-57.03	-48.07	-14.56	557.69	-49.54	534.91	-26.75	-115.39
		749	3.76	-43.36	-72.48	-58.18	-57.66	-14.56	556.25	1.59	540.23	17.61	-92.88
		748	4.64	-50.43	-82.82	-73.73	-59.52	-14.56	650.09	25.78	645.62	30.25	-52.68
		738	4.68	-42.81	-79.70	-72.58	-49.93	-14.56	648.82	-22.63	640.29	-14.11	-75.19
696	5	739	8.15	147.43	-72.08	-54.39	129.74	59.75	847.34	210.28	841.20	216.42	-62.26
		749	8.31	153.41	-70.86	-53.62	136.16	59.75	849.65	203.43	840.71	212.37	-75.47
		748	8.95	146.48	-107.20	-92.24	131.53	59.75	789.62	194.24	778.91	204.95	-79.14
		738	8.79	140.40	-108.31	-93.01	125.10	59.75	786.92	201.48	779.39	209.00	-65.94
696	13	739	2.92	-28.71	-52.14	-43.87	-36.97	-11.20	428.99	-38.10	411.47	-20.58	-88.76
		749	2.89	-33.35	-55.75	-44.75	-44.35	-11.20	427.88	1.22	415.56	13.54	-71.45
		748	3.57	-38.79	-63.71	-56.71	-45.79	-11.20	500.07	19.83	496.63	23.27	-40.52
		738	3.60	-32.93	-61.31	-55.83	-38.41	-11.20	499.09	-17.41	492.53	-10.85	-57.84
696	15	739	2.92	-28.71	-52.14	-43.87	-36.97	-11.20	428.99	-38.10	411.47	-20.58	-88.76
		749	2.89	-33.35	-55.75	-44.75	-44.35	-11.20	427.88	1.22	415.56	13.54	-71.45
		748	3.57	-38.79	-63.71	-56.71	-45.79	-11.20	500.07	19.83	496.63	23.27	-40.52
		738	3.60	-32.93	-61.31	-55.83	-38.41	-11.20	499.09	-17.41	492.53	-10.85	-57.84
697	1	740	2.90	-34.21	-51.88	-41.05	-45.03	-8.61	463.36	-39.59	410.05	13.72	-154.82
		750	2.85	-35.82	-54.54	-41.51	-48.84	-8.61	449.96	-9.43	411.85	28.68	-126.71
		749	3.79	-44.83	-63.27	-57.35	-50.75	-8.61	567.91	20.02	543.45	44.48	-113.15
		739	3.84	-41.97	-61.86	-56.89	-46.93	-8.61	578.03	-6.86	541.66	29.51	-141.26
697	5	740	6.65	102.97	-65.66	-37.69	75.01	62.72	768.45	161.73	763.03	167.15	-57.08
		750	6.83	116.72	-61.57	-35.78	90.93	62.72	764.45	152.64	761.63	155.45	-41.43
		749	7.67	111.16	-82.45	-59.39	88.09	62.72	838.95	160.24	834.94	164.25	-52.02
		739	7.50	97.02	-86.14	-61.30	72.18	62.72	843.21	169.08	836.34	175.94	-67.68
697	13	740	2.23	-26.31	-39.91	-31.58	-34.64	-6.62	356.43	-30.45	315.43	10.56	-119.09
		750	2.19	-27.55	-41.95	-31.93	-37.57	-6.62	346.12	-7.25	316.81	22.06	-97.47
		749	2.92	-34.48	-48.67	-44.12	-39.04	-6.62	436.86	15.40	418.04	34.21	-87.04
		739	2.95	-32.28	-47.58	-43.76	-36.10	-6.62	444.64	-5.28	416.66	22.70	-108.66
697	15	740	2.23	-26.31	-39.91	-31.58	-34.64	-6.62	356.43	-30.45	315.43	10.56	-119.09
		750	2.19	-27.55	-41.95	-31.93	-37.57	-6.62	346.12	-7.25	316.81	22.06	-97.47
		749	2.92	-34.48	-48.67	-44.12	-39.04	-6.62	436.86	15.40	418.04	34.21	-87.04
		739	2.95	-32.28	-47.58	-43.76	-36.10	-6.62	444.64	-5.28	416.66	22.70	-108.66
698	4	741	3.16	36.11	-27.92	33.30	-25.11	-13.12	-2.37	-361.68	-360.24	-3.81	-22.67
		751	3.20	35.18	-33.66	32.58	-31.06	-13.12	-16.40	-364.25	-362.02	-18.63	-27.78
		750	3.26	33.70	-33.89	31.05	-31.24	-13.12	-16.90	-390.51	-385.91	-21.50	-41.21
		740	3.21	34.64	-28.17	31.76	-25.29	-13.12	-3.25	-387.55	-384.13	-6.67	-36.11
698	5	741	5.30	74.94	-56.62	-27.42	45.75	54.67	633.49	107.04	629.53	111.01	-45.54
		751	5.34	85.08	-52.86	-25.93	58.15	54.67	629.10	101.68	628.48	102.30	-18.07
		750	6.18	81.16	-64.60	-39.92	56.48	54.67	758.16	116.68	757.10	117.73	-25.96
		740	6.12	70.72	-68.06	-41.40	44.07	54.67	762.64	121.95	758.15	126.44	-53.43
698	13	741	1.70	-18.94	-32.56	-20.16	-31.34	-3.89	283.01	-38.72	220.12	24.18	-127.59
		751	1.62	-19.05	-33.05	-20.23	-31.86	-3.89	267.47	-20.83	220.37	26.27	-106.58
		750	2.24	-28.31	-36.30	-31.41	-33.21	-3.89	353.47	3.32	318.73	38.07	-104.68
		740	2.30	-28.06	-35.96	-31.34	-32.68	-3.89	366.30	-11.85	318.48	35.98	-125.69
698	15	741	1.70	-18.94	-32.56	-20.16	-31.34	-3.89	283.01	-38.72	220.12	24.18	-127.59
		751	1.62	-19.05	-33.05	-20.23	-31.86	-3.89	267.47	-20.83	220.37	26.27	-106.58
		750	2.24	-28.31	-36.30	-31.41	-33.21	-3.89	353.47	3.32	318.73	38.07	-104.68
		740	2.30	-28.06	-35.96	-31.34	-32.68	-3.89	366.30	-11.85	318.48	35.98	-125.69
699	4	742	3.07	35.23	-24.88	34.09	-23.74	-8.20	11.36	-331.68	-331.31	10.98	11.32
		752	3.04	34.97	-26.75	33.86	-25.64	-8.20	-8.71	-333.77	-333.68	-8.80	5.44
		751	3.13	34.34	-26.84	33.22	-25.72	-8.20	-11.66	-361.68	-361.24	-12.11	-12.50
		741	3.15	34.60	-24.96	33.45	-23.81	-8.20	7.80	-358.98	-358.86	7.68	-6.61
699	5	742	3.84	54.64	-42.73	-15.36	27.27	43.77	477.17	73.76	475.08	75.85	-28.99
		752	3.80	61.28	-39.66	-14.32	35.94	43.77	473.80	64.92	473.77	64.95	3.57
		751	4.75	56.62	-51.23	-28.81	34.20	43.77	626.27	83.17	626.19	83.24	-6.31
		741	4.77	49.63	-53.95	-29.85	25.53	43.77	630.32	91.32	627.50	94.14	-38.87
699	13	742	1.38	-9.92	-27.99	-10.23	-27.67	-2.35	214.92	-33.89	139.51	41.51	-114.35
		752	1.28	-9.79	-27.05	-10.12	-26.72	-2.35	195.37	-24.81	138.39	32.16	-96.43
		751	1.64	-19.12	-28.51	-19.75	-27.88	-2.35	270.50	-5.98	222.29	42.23	-104.90
		741	1.73	-19.28	-29.41	-19.86	-28.83	-2.35	287.39	-12.40	223.41	51.58	-122.82
699	15	742	1.38	-9.92	-27.99	-10.23	-27.67	-2.35	214.92	-33.89	139.51	41.51	-114.35
		752	1.28	-9.79	-27.05	-10.12	-26.72	-2.35	195.37	-24.81	138.39	32.16	-96.43
		751	1.64	-19.12	-28.51	-19.75	-27.88	-2.35	270.50	-5.98	222.29	42.23	-104.90
		741	1.73	-19.28	-29.41	-19.86	-28.83	-2.35	287.39	-12.40	223.41	51.58	-122.82
700	4	743	2.89	32.38	-22.02	31.98	-21.62	-4.64	42.31	-297.80	-288.41	32.92	55.74

		753	2.80	32.39	-21.90	31.99	-21.50	-4.64	15.12	-298.62	-291.41	7.91	47.01
		752	3.00	34.77	-21.60	34.39	-21.22	-4.64	4.76	-334.02	-332.26	3.00	24.34
		742	3.08	34.76	-21.71	34.37	-21.33	-4.64	31.05	-332.30	-329.26	28.02	33.07
700	11	743	3.96	51.63	-24.10	13.11	14.43	-37.86	142.62	-381.89	-254.65	15.38	-224.83
		753	4.02	49.51	-26.23	12.65	10.63	-37.86	136.68	-399.10	-257.13	-5.29	-236.45
		752	4.27	47.70	-28.02	9.44	10.24	-37.86	134.25	-457.63	-311.55	-11.82	-255.19
		742	4.22	49.88	-25.95	9.89	14.04	-37.86	140.73	-440.96	-309.07	8.85	-243.56
700	14	743	1.80	18.19	-22.78	17.93	-22.52	-3.24	45.15	-140.65	-140.65	45.15	0.65
		753	1.71	18.28	-22.03	18.02	-21.77	-3.24	22.50	-143.37	-143.37	22.49	0.71
		752	1.67	17.04	-22.19	16.77	-21.92	-3.24	24.87	-145.40	-143.06	22.53	-19.82
		742	1.77	16.94	-22.94	16.68	-22.67	-3.24	47.29	-142.45	-140.34	45.18	-19.89
700	16	743	1.64	15.82	-22.91	15.59	-22.67	-3.01	47.63	-116.47	-116.02	47.19	-8.54
		753	1.55	15.93	-22.05	15.69	-21.81	-3.01	25.26	-119.03	-118.69	24.92	-7.01
		752	1.48	14.08	-22.29	13.83	-22.04	-3.01	30.97	-116.71	-111.52	25.78	-27.18
		742	1.57	13.97	-23.14	13.73	-22.90	-3.01	53.14	-113.94	-108.85	48.05	-28.72
701	2	744	8.66	-22.60	-137.28	-39.83	-120.05	-40.98	987.34	-294.02	-294.02	987.34	-2.74
		539	6.49	78.95	-35.35	-18.03	61.63	-40.98	646.09	-337.45	-335.23	643.87	46.68
		313	6.58	95.82	7.59	35.38	68.04	-40.98	753.33	-185.58	-103.87	671.63	-264.65
		302	8.61	25.63	-125.70	13.58	-113.64	-40.98	1099.94	-147.50	-62.65	1015.10	-314.06
701	12	744	26.46	-189.91	-732.54	-209.12	-713.33	-100.27	2109.72	793.94	928.62	1975.03	-398.84
		539	10.27	24.89	-193.98	-128.40	-40.69	-100.27	1649.37	615.12	860.14	1404.35	-439.75
		313	14.80	189.84	-59.25	139.17	-8.58	-100.27	2046.21	3.78	668.62	1381.37	-957.02
		302	28.24	71.80	-694.57	58.45	-681.22	-100.27	2443.79	245.36	737.10	1952.05	-916.11
701	14	744	5.96	-25.01	-96.24	-34.74	-86.51	-24.45	733.23	-105.56	-105.55	733.22	-3.20
		539	4.36	48.25	-28.43	-19.62	39.44	-24.45	480.40	-136.31	-135.93	480.01	15.37
		313	4.61	60.99	7.99	24.28	44.70	-24.45	565.12	-123.63	-48.96	490.45	-214.13
		302	6.20	15.35	-87.44	9.16	-81.25	-24.45	809.09	-84.00	-18.57	743.66	-232.71
701	16	744	5.70	-28.00	-92.57	-36.35	-84.22	-21.67	722.89	-58.04	-58.03	722.87	-3.63
		539	4.12	43.48	-29.07	-21.89	36.30	-21.67	474.09	-87.99	-87.89	474.00	7.29
		313	4.43	55.98	8.84	23.12	41.70	-21.67	559.98	-116.62	-36.77	480.13	-218.29
		302	6.03	13.73	-83.89	8.66	-78.81	-21.67	794.56	-72.45	-6.90	729.01	-229.21
702	2	745	8.10	5.08	-231.11	-8.50	-217.53	54.98	228.87	-387.84	-347.89	188.92	151.79
		540	4.94	91.46	-21.06	23.26	47.14	54.98	236.43	-381.33	-346.38	201.49	142.71
		539	5.70	73.94	-52.44	-20.40	41.90	54.98	234.47	-427.02	-388.93	196.38	154.10
		744	7.60	-35.98	-238.95	-52.16	-222.77	54.98	226.95	-433.57	-390.44	183.82	163.18
702	12	745	34.66	-122.82	-1166.95	-158.47	-1131.31	189.61	923.19	853.51	855.52	921.17	-11.67
		540	11.07	139.81	-241.43	-31.17	-70.45	189.61	853.58	795.75	841.88	807.45	-23.23
		539	12.63	83.21	-299.38	-133.44	-82.73	189.61	920.82	667.87	787.73	800.96	-126.31
		744	34.56	-221.75	-1182.58	-260.75	-1143.58	189.61	985.99	730.06	801.38	914.68	-114.74
702	14	745	5.37	-1.30	-169.02	-12.81	-157.51	42.41	259.32	-78.10	-9.90	191.11	135.51
		540	3.28	57.78	-27.97	8.63	21.19	42.41	226.70	-53.44	-10.75	184.00	100.68
		539	3.78	44.45	-49.22	-22.26	17.48	42.41	188.93	-198.29	-173.80	164.44	94.24
		744	5.35	-29.99	-174.92	-43.70	-161.21	42.41	214.54	-215.94	-172.95	171.54	129.07
702	16	745	5.11	-3.29	-165.63	-15.29	-153.64	42.46	304.89	-4.12	91.63	209.14	142.89
		540	3.17	52.88	-32.65	4.98	15.25	42.46	253.20	32.21	89.98	195.43	97.10
		539	3.55	39.63	-52.81	-24.85	11.67	42.46	192.34	-147.04	-124.41	169.71	84.67
		744	5.18	-30.85	-171.48	-45.11	-157.22	42.46	231.47	-170.81	-122.76	183.42	130.47
703	1	746	10.16	-68.55	-117.90	-70.02	-116.43	8.39	1931.82	7.15	1898.64	40.34	250.54
		542	9.98	-68.76	-119.29	-70.20	-117.86	8.39	1915.78	146.94	1911.90	150.82	82.81
		540	6.70	-39.22	-115.19	-40.16	-114.25	8.39	1157.03	26.17	1126.61	56.59	182.95
		745	7.57	-39.03	-113.78	-39.98	-112.82	8.39	1210.61	-151.15	1113.35	-53.89	350.68
703	12	746	28.48	174.66	-819.28	89.81	-734.43	277.73	189.53	-346.92	103.21	-260.60	197.11
		542	21.58	259.42	-484.15	134.80	-359.52	277.73	329.30	-389.50	113.63	-173.83	329.41
		540	21.18	92.95	-545.69	-68.79	-383.95	277.73	899.70	-266.15	733.04	-99.50	408.07
		745	27.85	-10.68	-861.95	-113.78	-758.86	277.73	799.75	-263.40	722.63	-186.27	275.77
703	13	746	7.81	-52.73	-90.69	-53.86	-89.56	6.46	1486.02	5.50	1460.49	31.03	192.72
		542	7.67	-52.89	-91.76	-54.00	-90.66	6.46	1473.68	113.03	1470.69	116.02	63.70
		540	5.16	-30.17	-88.61	-30.89	-87.89	6.46	890.02	20.13	866.62	43.53	140.73
		745	5.82	-30.02	-87.52	-30.76	-86.79	6.46	931.24	-116.27	856.43	-41.46	269.76
703	15	746	7.81	-52.73	-90.69	-53.86	-89.56	6.46	1486.02	5.50	1460.49	31.03	192.72
		542	7.67	-52.89	-91.76	-54.00	-90.66	6.46	1473.68	113.03	1470.69	116.02	63.70
		540	5.16	-30.17	-88.61	-30.89	-87.89	6.46	890.02	20.13	866.62	43.53	140.73
		745	5.82	-30.02	-87.52	-30.76	-86.79	6.46	931.24	-116.27	856.43	-41.46	269.76
704	1	747	11.10	-59.20	-103.06	-80.79	-81.47	-21.93	1994.48	76.01	1991.02	79.47	81.41
		543	10.93	-73.36	-126.74	-84.84	-115.26	-21.93	1994.22	87.04	1992.17	89.08	62.40
		542	10.15	-60.57	-122.54	-69.67	-113.44	-21.93	1905.97	75.64	1903.21	78.41	71.12
		746	10.31	-49.60	-95.66	-65.61	-79.65	-21.93	1906.47	64.37	1902.05	68.79	90.12
704	12	747	17.08	69.90	-506.26	52.62	-488.98	98.26	-323.24	-552.75	-400.62	-475.37	108.50
		543	18.49	64.34	-543.63	48.02	-527.31	98.26	-236.84	-672.97	-404.25	-505.56	212.10
		542	20.20	130.50	-534.06	115.64	-519.20	98.26	139.00	-505.56	80.80	-447.36	184.73
		746	18.85	135.89	-496.52	120.24	-480.87	98.26	97.22	-429.96	84.43	-417.16	81.13
704	13	747	8.54	-45.54	-79.28	-62.14	-62.67	-16.87	1534.22	58.47	1531.55	61.13	62.62
		543	8.41	-56.43	-97.49	-65.26	-88.66	-16.87	1534.01	66.95	1532.44	68.53	48.00
		542	7.81	-46.59	-94.26	-53.59	-87.26	-16.87	1466.13	58.18	1464.00	60.31	54.71
		746	7.93	-38.16	-73.58	-50.47	-61.27	-16.87	1466.52	49.52	1463.12	52.92	69.32
704	15	747	8.54	-45.54	-79.28	-62.14	-62.67	-16.87	1534.22	58.47	1531.55	61.13	62.62
		543	8.41	-56.43	-97.49	-65.26	-88.66	-16.87	1534.01	66.95	1532.44	68.53	48.00

		542	7.81	-46.59	-94.26	-53.59	-87.26	-16.87	1466.13	58.18	1464.00	60.31	54.71
		746	7.93	-38.16	-73.58	-50.47	-61.27	-16.87	1466.52	49.52	1463.12	52.92	69.32
705	1	748	10.10	-48.30	-88.07	-69.63	-66.74	-19.83	1851.61	108.32	1851.48	108.45	-14.94
		544	10.00	-58.36	-100.76	-72.07	-87.05	-19.83	1856.82	151.56	1856.67	151.71	16.05
		543	10.95	-64.79	-105.00	-81.59	-88.19	-19.83	2003.44	167.46	2001.78	169.13	55.27
		747	11.05	-52.90	-94.14	-79.16	-67.88	-19.83	1996.90	125.55	1996.59	125.86	24.27
705	12	748	11.08	11.98	-351.40	11.73	-351.15	-9.55	-361.79	-457.96	-442.11	-377.65	35.69
		544	13.90	-0.81	-457.50	-1.01	-457.30	-9.55	-344.56	-464.05	-440.91	-367.71	47.22
		543	14.51	57.44	-450.49	57.26	-450.31	-9.55	-316.39	-431.76	-386.93	-361.23	56.23
		747	11.70	70.22	-344.37	70.00	-344.15	-9.55	-334.15	-425.15	-388.12	-371.17	44.70
705	13	748	7.77	-37.15	-67.75	-53.56	-51.34	-15.26	1424.31	83.33	1424.22	83.42	-11.49
		544	7.69	-44.89	-77.51	-55.44	-66.96	-15.26	1428.33	116.59	1428.21	116.70	12.35
		543	8.43	-49.84	-80.77	-62.77	-67.84	-15.26	1541.11	128.82	1539.83	130.10	42.51
		747	8.50	-40.69	-72.41	-60.89	-52.21	-15.26	1536.08	96.58	1535.84	96.82	18.67
705	15	748	7.77	-37.15	-67.75	-53.56	-51.34	-15.26	1424.31	83.33	1424.22	83.42	-11.49
		544	7.69	-44.89	-77.51	-55.44	-66.96	-15.26	1428.33	116.59	1428.21	116.70	12.35
		543	8.43	-49.84	-80.77	-62.77	-67.84	-15.26	1541.11	128.82	1539.83	130.10	42.51
		747	8.50	-40.69	-72.41	-60.89	-52.21	-15.26	1536.08	96.58	1535.84	96.82	18.67
706	1	749	8.18	-43.17	-68.80	-54.73	-57.24	-12.76	1539.80	134.10	1536.71	137.18	-65.82
		545	8.17	-47.07	-74.48	-55.76	-65.79	-12.76	1538.04	148.19	1538.03	148.20	3.14
		544	10.02	-55.78	-81.40	-69.72	-67.46	-12.76	1861.00	186.84	1860.90	186.95	13.13
		748	10.04	-50.15	-77.47	-68.70	-58.92	-12.76	1861.43	174.08	1859.58	175.93	-55.83
706	5	749	9.66	141.78	-57.58	-52.14	136.34	32.47	1304.04	264.03	1300.52	267.54	-60.38
		545	9.64	142.74	-57.44	-52.02	137.33	32.47	1302.50	266.90	1300.66	268.73	-43.61
		544	10.58	139.33	-81.00	-76.10	134.44	32.47	1380.83	276.52	1379.19	278.16	-42.53
		748	10.59	138.37	-81.14	-76.22	133.45	32.47	1382.23	273.79	1379.05	276.97	-59.31
706	13	749	6.30	-33.21	-52.93	-42.10	-44.03	-9.81	1184.46	103.15	1182.08	105.53	-50.63
		545	6.28	-36.20	-57.29	-42.89	-50.60	-9.81	1183.10	114.00	1183.10	114.00	2.42
		544	7.71	-42.91	-62.61	-53.63	-51.89	-9.81	1431.54	143.73	1431.46	143.80	10.10
		748	7.73	-38.57	-59.59	-52.84	-45.32	-9.81	1431.87	133.91	1430.44	135.33	-42.95
706	15	749	6.30	-33.21	-52.93	-42.10	-44.03	-9.81	1184.46	103.15	1182.08	105.53	-50.63
		545	6.28	-36.20	-57.29	-42.89	-50.60	-9.81	1183.10	114.00	1183.10	114.00	2.42
		544	7.71	-42.91	-62.61	-53.63	-51.89	-9.81	1431.54	143.73	1431.46	143.80	10.10
		748	7.73	-38.57	-59.59	-52.84	-45.32	-9.81	1431.87	133.91	1430.44	135.33	-42.95
707	1	750	6.11	-35.34	-53.05	-39.76	-48.63	-7.66	1171.33	110.69	1163.18	118.84	-92.65
		546	6.08	-36.32	-55.53	-40.13	-51.72	-7.66	1164.19	125.94	1164.04	126.08	-12.17
		545	8.18	-46.17	-61.52	-54.27	-53.42	-7.66	1540.82	171.27	1540.80	171.29	-5.61
		749	8.20	-44.25	-59.98	-53.90	-50.33	-7.66	1545.30	158.69	1539.93	164.05	-86.08
707	5	750	7.76	102.92	-51.73	-39.32	90.50	42.02	1084.06	192.55	1082.64	193.97	-35.54
		546	7.83	113.81	-49.55	-37.92	102.17	42.02	1082.56	192.32	1082.45	192.43	9.76
		545	9.21	110.51	-67.08	-56.51	99.94	42.02	1294.62	217.82	1294.56	217.88	8.36
		749	9.13	99.49	-69.13	-57.91	88.27	42.02	1296.01	218.16	1294.75	219.43	-36.94
707	13	750	4.70	-27.19	-40.81	-30.58	-37.41	-5.89	901.02	85.14	894.75	91.42	-71.27
		546	4.68	-27.94	-42.72	-30.87	-39.79	-5.89	895.53	96.88	895.42	96.99	-9.37
		545	6.29	-35.52	-47.32	-41.75	-41.09	-5.89	1185.25	131.75	1185.23	131.77	-4.32
		749	6.31	-34.04	-46.14	-41.46	-38.72	-5.89	1188.69	122.07	1184.56	126.20	-66.22
707	15	750	4.70	-27.19	-40.81	-30.58	-37.41	-5.89	901.02	85.14	894.75	91.42	-71.27
		546	4.68	-27.94	-42.72	-30.87	-39.79	-5.89	895.53	96.88	895.42	96.99	-9.37
		545	6.29	-35.52	-47.32	-41.75	-41.09	-5.89	1185.25	131.75	1185.23	131.77	-4.32
		749	6.31	-34.04	-46.14	-41.46	-38.72	-5.89	1188.69	122.07	1184.56	126.20	-66.22
708	4	751	6.49	37.40	-32.99	35.16	-30.75	-12.36	-103.96	-1077.46	-1077.00	-104.43	-21.28
		547	6.54	36.66	-37.90	34.55	-35.79	-12.36	-108.29	-1078.16	-1077.54	-108.91	-24.59
		546	6.60	36.59	-37.91	34.48	-35.80	-12.36	-109.93	-1093.83	-1093.00	-110.77	-28.65
		750	6.55	37.33	-33.00	35.09	-30.76	-12.36	-105.63	-1093.11	-1092.46	-106.29	-25.35
708	5	751	5.82	72.90	-45.17	-29.95	57.67	39.57	811.84	123.75	811.35	124.24	-18.38
		547	5.78	79.83	-43.40	-29.02	65.44	39.57	813.29	120.22	811.13	122.38	38.60
		546	7.28	76.93	-55.63	-42.52	63.82	39.57	1079.36	152.92	1077.89	154.39	36.90
		750	7.30	69.87	-57.27	-43.45	56.05	39.57	1078.55	155.82	1078.11	156.26	-20.07
708	13	751	3.13	-18.74	-32.71	-19.65	-31.80	-3.46	615.69	61.14	604.48	72.36	-78.06
		547	3.09	-18.75	-32.79	-19.66	-31.88	-3.46	604.88	71.43	604.42	71.89	-15.65
		546	4.69	-27.82	-35.38	-30.07	-33.13	-3.46	896.94	106.63	896.61	106.95	-16.07
		750	4.72	-27.79	-35.32	-30.06	-33.04	-3.46	904.40	99.69	896.67	107.42	-78.48
708	15	751	3.13	-18.74	-32.71	-19.65	-31.80	-3.46	615.69	61.14	604.48	72.36	-78.06
		547	3.09	-18.75	-32.79	-19.66	-31.88	-3.46	604.88	71.43	604.42	71.89	-15.65
		546	4.69	-27.82	-35.38	-30.07	-33.13	-3.46	896.94	106.63	896.61	106.95	-16.07
		750	4.72	-27.79	-35.32	-30.06	-33.04	-3.46	904.40	99.69	896.67	107.42	-78.48
709	4	752	6.24	36.48	-26.52	35.42	-25.46	-8.10	-93.17	-1036.76	-1036.75	-93.17	1.28
		548	6.24	36.34	-27.55	35.29	-26.51	-8.10	-101.16	-1037.77	-1037.72	-101.21	-7.15
		547	6.42	36.71	-27.50	35.67	-26.46	-8.10	-105.74	-1077.39	-1077.18	-105.95	-14.43
		751	6.43	36.85	-26.46	35.80	-25.41	-8.10	-97.87	-1076.25	-1076.22	-97.91	-6.01
709	8	752	6.05	35.35	-103.65	20.71	-89.01	-42.67	-62.33	-748.30	-748.04	-62.59	-13.24
		548	6.19	34.01	-109.46	19.95	-95.39	-42.67	-69.52	-748.88	-748.88	-69.53	1.89
		547	5.87	32.85	-109.72	18.67	-95.54	-42.67	-61.00	-678.06	-678.03	-61.03	-4.40
		751	5.73	34.19	-103.92	19.43	-89.16	-42.67	-53.47	-677.81	-677.20	-54.08	-19.53
709	14	752	3.19	18.04	-26.69	17.30	-25.95	-5.71	-31.25	-484.66	-482.92	-32.99	-28.01
		548	3.18	18.04	-26.70	17.30	-25.96	-5.71	-39.49	-484.01	-483.74	-39.76	-10.98
		547	2.73	14.60	-27.17	13.81	-26.38	-5.71	-29.41	-404.77	-403.99	-30.19	-17.12

		751	2.74	14.60	-27.16	13.81	-26.37	-5.71	-20.37	-406.22	-403.17	-23.42	-34.16
709	15	752	1.86	-9.62	-26.96	-9.88	-26.69	-2.11	364.67	40.45	347.82	57.29	-71.96
		548	1.72	-9.41	-25.42	-9.69	-25.14	-2.11	348.18	51.47	347.23	52.41	-16.73
		547	3.10	-18.42	-26.82	-18.99	-26.25	-2.11	606.66	82.59	605.81	83.44	-21.15
		751	3.14	-18.69	-28.30	-19.18	-27.81	-2.11	617.42	77.30	606.39	88.32	-76.38
710	4	753	5.69	33.65	-21.81	33.20	-21.36	-4.96	-68.20	-936.18	-935.05	-69.33	31.34
		549	5.64	33.84	-20.36	33.38	-19.90	-4.96	-81.52	-936.64	-936.52	-81.64	9.92
		548	6.17	36.56	-20.01	36.13	-19.57	-4.96	-93.67	-1036.82	-1036.81	-93.67	-1.23
		752	6.22	36.38	-21.46	35.95	-21.03	-4.96	-80.94	-1035.76	-1035.34	-81.37	20.19
710	8	753	5.71	35.41	-75.19	23.98	-63.76	-33.68	-45.42	-767.00	-766.68	-45.74	15.18
		549	5.70	35.32	-75.62	23.92	-64.23	-33.68	-56.78	-768.61	-768.07	-57.32	19.65
		548	5.58	35.10	-75.67	23.68	-64.26	-33.68	-54.68	-747.23	-747.11	-54.80	9.16
		752	5.59	35.20	-75.24	23.74	-63.78	-33.68	-43.20	-745.75	-745.72	-43.23	4.69
710	14	753	3.27	19.17	-21.96	18.88	-21.66	-3.44	-20.04	-497.88	-497.87	-20.05	-1.96
		549	3.22	19.43	-19.91	19.13	-19.61	-3.44	-31.70	-499.28	-499.27	-31.70	1.61
		548	3.11	18.36	-20.05	18.05	-19.74	-3.44	-29.52	-482.71	-482.53	-29.69	-8.95
		752	3.17	18.10	-22.09	17.80	-21.79	-3.44	-17.70	-481.47	-481.13	-18.04	-12.53
710	16	753	2.88	16.76	-21.98	16.50	-21.72	-3.19	-11.70	-425.15	-425.01	-11.83	-7.51
		549	2.82	17.03	-19.84	16.76	-19.56	-3.19	-23.38	-426.40	-426.40	-23.38	0.23
		548	2.61	15.32	-20.06	15.03	-19.77	-3.19	-18.75	-390.43	-390.15	-19.03	-10.24
		752	2.67	15.05	-22.20	14.77	-21.92	-3.19	-6.64	-389.61	-388.76	-7.48	-17.98
711	2	521	3.25	17.58	-17.94	17.55	-17.91	1.07	-51.93	-533.73	-532.19	-53.46	-27.17
		642	3.33	17.46	-18.95	17.43	-18.92	1.07	-37.99	-542.32	-531.62	-48.69	-72.70
		657	4.53	26.93	-17.81	26.90	-17.78	1.07	-67.37	-751.66	-744.76	-74.27	-68.37
		421	4.48	27.05	-16.80	27.02	-16.78	1.07	-78.26	-746.11	-745.33	-79.04	-22.85
711	6	521	4.04	26.43	-33.83	19.14	-26.55	19.65	-58.29	-622.24	-620.14	-60.39	-34.33
		642	4.14	25.81	-36.31	18.81	-29.31	19.65	-51.91	-625.17	-619.78	-57.31	-55.36
		657	4.69	30.89	-35.12	24.40	-28.63	19.65	-64.90	-722.50	-718.27	-69.13	-52.57
		421	4.60	31.47	-32.61	24.74	-25.88	19.65	-70.67	-720.17	-718.64	-72.21	-31.53
711	14	521	2.00	10.69	-13.53	10.67	-13.52	0.59	-28.38	-318.91	-317.99	-29.30	-16.27
		642	2.05	10.57	-14.50	10.56	-14.48	0.59	-19.44	-323.30	-317.50	-25.24	-41.56
		657	2.73	16.25	-13.81	16.24	-13.80	0.59	-35.86	-439.50	-435.91	-39.45	-37.88
		421	2.69	16.37	-12.85	16.36	-12.84	0.59	-43.10	-436.80	-436.39	-43.51	-12.59
711	16	521	1.81	9.57	-13.43	9.56	-13.42	0.50	-23.83	-282.80	-281.99	-24.64	-14.45
		642	1.85	9.44	-14.47	9.43	-14.46	0.50	-15.58	-286.33	-281.49	-20.43	-35.90
		657	2.43	14.50	-13.86	14.49	-13.85	0.50	-29.56	-384.87	-381.94	-32.48	-32.09
		421	2.39	14.62	-12.82	14.61	-12.81	0.50	-36.37	-382.78	-382.45	-36.69	-10.63
712	2	642	1.88	17.39	-18.93	17.39	-18.92	0.42	40.92	-221.51	-174.72	-5.86	-100.44
		643	1.97	17.29	-19.75	17.29	-19.75	0.42	59.47	-228.00	-173.43	4.91	-112.73
		614	2.37	26.35	-18.67	26.35	-18.66	0.42	37.50	-270.46	-230.97	-2.00	-102.97
		657	2.29	26.45	-17.84	26.45	-17.84	0.42	19.85	-264.88	-232.26	-12.77	-90.68
712	6	642	3.04	28.09	-39.35	18.12	-29.39	23.93	3.03	-312.90	-291.90	-17.96	-78.68
		643	3.09	27.90	-40.01	18.03	-30.14	23.93	10.10	-314.08	-291.27	-12.71	-82.91
		614	3.23	32.20	-38.82	22.93	-29.55	23.93	4.28	-330.41	-311.04	-15.08	-78.14
		657	3.19	32.38	-38.16	23.02	-28.80	23.93	-2.66	-329.36	-311.67	-20.34	-73.92
712	14	642	1.18	10.57	-14.48	10.57	-14.48	0.13	26.32	-128.17	-102.42	0.57	-57.58
		643	1.25	10.48	-15.27	10.48	-15.27	0.13	38.76	-130.47	-101.33	9.62	-63.89
		614	1.46	15.89	-14.62	15.89	-14.62	0.13	25.86	-150.65	-130.87	6.08	-55.68
		657	1.40	15.98	-13.83	15.98	-13.83	0.13	13.76	-148.68	-131.95	-2.97	-49.37
712	16	642	1.08	9.47	-14.45	9.47	-14.45	0.05	24.32	-111.57	-89.82	2.57	-49.82
		643	1.14	9.36	-15.30	9.36	-15.30	0.05	36.08	-112.85	-88.70	11.93	-54.89
		614	1.32	14.17	-14.72	14.17	-14.72	0.05	24.78	-128.13	-112.43	9.08	-46.41
		657	1.26	14.27	-13.88	14.27	-13.88	0.05	13.21	-127.04	-113.55	-0.28	-41.34
713	2	643	1.53	17.35	-19.74	17.35	-19.74	0.20	182.98	-53.29	92.83	36.86	-114.78
		645	1.47	17.28	-20.30	17.28	-20.30	0.20	179.69	-37.09	94.21	48.38	-105.94
		615	1.76	25.72	-19.29	25.72	-19.28	0.20	198.43	-9.51	135.58	53.34	-95.49
		614	1.81	25.79	-18.73	25.79	-18.73	0.20	202.10	-26.09	134.19	41.82	-104.33
713	8	643	3.16	33.86	-40.98	6.10	-13.22	-36.15	357.17	20.74	331.38	46.53	-89.51
		645	3.08	31.90	-44.06	5.56	-17.72	-36.15	350.07	34.77	332.12	52.72	-73.07
		615	3.31	33.17	-43.29	7.38	-17.50	-36.15	421.74	49.31	409.09	61.96	-67.46
		614	3.38	35.09	-40.17	7.92	-13.00	-36.15	427.29	36.82	408.35	55.77	-83.90
713	14	643	0.95	10.55	-15.26	10.55	-15.26	-4.08e-03	109.44	-23.27	57.49	28.68	-64.78
		645	0.91	10.49	-15.79	10.49	-15.79	-4.08e-03	108.99	-11.83	58.66	38.50	-59.56
		615	1.07	15.47	-15.19	15.47	-15.19	-4.08e-03	117.03	7.48	83.08	41.43	-50.66
		614	1.11	15.54	-14.66	15.54	-14.66	-4.08e-03	118.03	-4.52	81.90	31.61	-55.88
713	16	643	0.86	9.45	-15.29	9.45	-15.29	-0.07	97.12	-16.30	52.00	28.81	-55.51
		645	0.82	9.38	-15.86	9.38	-15.86	-0.07	97.53	-5.30	53.23	39.00	-50.92
		615	0.97	13.78	-15.33	13.78	-15.33	-0.07	103.01	13.29	74.72	41.58	-41.69
		614	1.00	13.84	-14.76	13.84	-14.76	-0.07	103.29	1.61	73.50	31.39	-46.28
714	4	645	2.06	17.14	-15.38	17.13	-15.37	0.22	305.82	20.85	269.78	56.88	-94.71
		646	1.98	17.12	-15.53	17.12	-15.53	0.22	292.93	39.83	270.44	62.33	-72.03
		619	2.65	25.22	-14.55	25.22	-14.55	0.22	390.89	60.82	376.63	75.08	-67.09
		615	2.70	25.23	-14.40	25.23	-14.40	0.22	400.35	45.26	375.98	69.63	-89.77
714	8	645	3.22	33.81	-42.96	8.25	-17.40	-36.18	404.44	51.03	395.17	60.29	-56.45
		646	3.13	32.14	-45.93	7.75	-21.54	-36.18	400.42	64.44	396.18	68.68	-37.48
		619	3.43	33.28	-45.31	9.32	-21.35	-36.18	487.18	77.14	484.99	79.33	-29.88
		615	3.51	34.93	-42.32	9.81	-17.21	-36.18	489.68	65.25	483.98	70.95	-48.85

714	14	645	1.28	10.53	-15.78	10.53	-15.78	-0.02	182.02	31.93	162.94	51.01	-50.00
		646	1.24	10.50	-16.08	10.50	-16.08	-0.02	176.23	45.79	163.81	58.21	-38.29
		619	1.59	15.14	-15.52	15.14	-15.52	-0.02	224.92	58.49	218.62	64.79	-31.76
		615	1.62	15.17	-15.23	15.17	-15.22	-0.02	228.79	46.55	217.76	57.59	-43.47
714	16	645	1.16	9.43	-15.85	9.43	-15.85	-0.06	161.39	33.78	145.14	50.03	-42.54
		646	1.12	9.39	-16.17	9.39	-16.17	-0.06	156.79	46.78	146.04	57.53	-32.66
		619	1.42	13.46	-15.68	13.46	-15.68	-0.06	197.27	58.09	192.29	63.08	-25.87
		615	1.45	13.50	-15.36	13.50	-15.36	-0.06	200.22	46.75	191.39	55.58	-35.75
715	4	646	2.32	17.11	-15.53	17.11	-15.53	0.07	366.40	66.25	359.62	73.03	-44.60
		647	2.29	17.11	-15.57	17.11	-15.57	0.07	360.69	74.16	359.85	74.99	-15.43
		620	3.13	24.97	-14.63	24.97	-14.63	0.07	496.89	90.92	496.43	91.38	-13.66
		619	3.15	24.98	-14.58	24.98	-14.58	0.07	500.66	84.96	496.20	89.42	-42.83
715	12	646	3.19	20.05	-41.62	17.22	-38.80	-12.89	479.55	127.34	479.37	127.52	-8.01
		647	3.19	19.79	-43.19	17.03	-40.43	-12.89	479.86	131.62	479.86	131.62	-1.27
		620	3.43	23.65	-42.56	21.04	-39.95	-12.89	511.41	135.39	511.40	135.41	2.44
		619	3.42	23.90	-40.99	21.23	-38.32	-12.89	510.95	131.26	510.91	131.31	-4.29
715	14	646	1.45	10.52	-16.08	10.52	-16.08	-8.79e-03	218.83	60.94	215.37	64.40	-23.11
		647	1.43	10.50	-16.17	10.50	-16.17	-8.79e-03	216.16	66.53	215.68	67.01	-8.47
		620	1.86	14.96	-15.64	14.96	-15.64	-8.79e-03	284.39	75.06	284.22	75.24	-6.10
		619	1.87	14.97	-15.54	14.97	-15.54	-8.79e-03	285.92	70.61	283.90	72.63	-20.74
715	16	646	1.30	9.42	-16.17	9.42	-16.17	-0.02	194.23	60.06	191.33	62.96	-19.52
		647	1.29	9.40	-16.27	9.40	-16.27	-0.02	192.08	65.26	191.65	65.68	-7.31
		620	1.65	13.29	-15.81	13.29	-15.81	-0.02	248.98	72.41	248.85	72.55	-4.84
		619	1.66	13.30	-15.70	13.30	-15.70	-0.02	250.13	68.21	248.52	69.83	-17.06
716	4	647	2.29	17.11	-15.57	17.11	-15.57	-0.07	360.69	74.16	359.85	74.99	15.43
		648	2.32	17.11	-15.53	17.11	-15.53	-0.07	366.40	66.25	359.62	73.03	44.60
		624	3.15	24.98	-14.58	24.98	-14.58	-0.07	500.66	84.96	496.20	89.42	42.83
		620	3.13	24.97	-14.63	24.97	-14.63	-0.07	496.89	90.92	496.43	91.38	13.66
716	10	647	3.19	19.79	-43.19	17.03	-40.43	12.89	479.86	131.62	479.86	131.62	1.27
		648	3.19	20.05	-41.62	17.22	-38.80	12.89	479.55	127.34	479.37	127.52	8.01
		624	3.42	23.90	-40.99	21.23	-38.32	12.89	510.95	131.26	510.91	131.31	4.29
		620	3.43	23.65	-42.56	21.04	-39.95	12.89	511.41	135.39	511.40	135.41	-2.44
716	14	647	1.43	10.50	-16.17	10.50	-16.17	8.79e-03	216.16	66.53	215.68	67.01	8.47
		648	1.45	10.52	-16.08	10.52	-16.08	8.79e-03	218.83	60.94	215.37	64.40	23.11
		624	1.87	14.97	-15.54	14.97	-15.54	8.79e-03	285.92	70.61	283.90	72.63	20.74
		620	1.86	14.96	-15.64	14.96	-15.64	8.79e-03	284.39	75.06	284.22	75.24	6.10
716	16	647	1.29	9.40	-16.27	9.40	-16.27	0.02	192.08	65.26	191.65	65.68	7.31
		648	1.30	9.42	-16.17	9.42	-16.17	0.02	194.23	60.06	191.33	62.96	19.52
		624	1.66	13.30	-15.70	13.30	-15.70	0.02	250.13	68.21	248.52	69.83	17.06
		620	1.65	13.29	-15.81	13.29	-15.81	0.02	248.98	72.41	248.85	72.55	4.84
717	4	648	1.98	17.12	-15.53	17.12	-15.53	-0.22	292.93	39.83	270.44	62.33	72.03
		649	2.06	17.14	-15.38	17.13	-15.37	-0.22	305.82	20.85	269.78	56.88	94.71
		628	2.70	25.23	-14.40	25.23	-14.40	-0.22	400.35	45.26	375.98	69.63	89.77
		624	2.65	25.22	-14.55	25.22	-14.55	-0.22	390.89	60.82	376.63	75.08	67.09
717	6	648	3.13	32.14	-45.93	7.75	-21.54	36.18	400.42	64.44	396.18	68.68	37.48
		649	3.22	33.81	-42.96	8.25	-17.40	36.18	404.44	51.03	395.17	60.29	56.45
		628	3.51	34.93	-42.32	9.81	-17.21	36.18	489.68	65.25	483.98	70.95	48.85
		624	3.43	33.28	-45.31	9.32	-21.35	36.18	487.18	77.14	484.99	79.33	29.88
717	14	648	1.24	10.50	-16.08	10.50	-16.08	0.02	176.23	45.79	163.81	58.21	38.29
		649	1.28	10.53	-15.78	10.53	-15.78	0.02	182.02	31.93	162.94	51.01	50.00
		628	1.62	15.17	-15.23	15.17	-15.22	0.02	228.79	46.55	217.76	57.59	43.47
		624	1.59	15.14	-15.52	15.14	-15.52	0.02	224.92	58.49	218.62	64.79	31.76
717	16	648	1.12	9.39	-16.17	9.39	-16.17	0.06	156.79	46.78	146.04	57.53	32.66
		649	1.16	9.43	-15.85	9.43	-15.85	0.06	161.39	33.78	145.14	50.03	42.54
		628	1.45	13.50	-15.36	13.50	-15.36	0.06	200.22	46.75	191.39	55.58	35.75
		624	1.42	13.46	-15.68	13.46	-15.68	0.06	197.27	58.09	192.29	63.08	25.87
718	2	649	1.47	17.28	-20.30	17.28	-20.30	-0.20	179.69	-37.09	94.21	48.38	105.94
		650	1.53	17.35	-19.74	17.35	-19.74	-0.20	182.98	-53.29	92.83	36.86	114.78
		631	1.81	25.79	-18.73	25.79	-18.73	-0.20	202.10	-26.09	134.19	41.82	104.33
		628	1.76	25.72	-19.29	25.72	-19.28	-0.20	198.43	-9.51	135.58	53.34	95.49
718	6	649	3.08	31.90	-44.06	5.56	-17.72	36.15	350.07	34.77	332.12	52.72	73.07
		650	3.16	33.86	-40.98	6.10	-13.22	36.15	357.17	20.74	331.38	46.53	89.51
		631	3.38	35.09	-40.17	7.92	-13.00	36.15	427.29	36.82	408.35	55.77	83.90
		628	3.31	33.17	-43.29	7.38	-17.50	36.15	421.74	49.31	409.09	61.96	67.46
718	14	649	0.91	10.49	-15.79	10.49	-15.79	4.08e-03	108.99	-11.83	58.66	38.50	59.56
		650	0.95	10.55	-15.26	10.55	-15.26	4.08e-03	109.44	-23.27	57.49	28.68	64.78
		631	1.11	15.54	-14.66	15.54	-14.66	4.08e-03	118.03	-4.52	81.90	31.61	55.88
		628	1.07	15.47	-15.19	15.47	-15.19	4.08e-03	117.03	7.48	83.08	41.43	50.66
718	16	649	0.82	9.38	-15.86	9.38	-15.86	0.07	97.53	-5.30	53.23	39.00	50.92
		650	0.86	9.45	-15.29	9.45	-15.29	0.07	97.12	-16.30	52.00	28.81	55.51
		631	1.00	13.84	-14.76	13.84	-14.76	0.07	103.29	1.61	73.50	31.39	46.28
		628	0.97	13.78	-15.33	13.78	-15.33	0.07	103.01	13.29	74.72	41.58	41.69
719	2	650	1.97	17.29	-19.75	17.29	-19.75	-0.42	59.47	-228.00	-173.43	4.91	112.73
		651	1.88	17.39	-18.93	17.39	-18.92	-0.42	40.92	-221.51	-174.72	-5.86	100.44
		640	2.29	26.45	-17.84	26.45	-17.84	-0.42	19.85	-264.88	-232.26	-12.77	90.68
		631	2.37	26.35	-18.67	26.35	-18.66	-0.42	37.50	-270.46	-230.97	-2.00	102.97
719	8	650	3.09	27.90	-40.01	18.03	-30.14	-23.93	10.10	-314.08	-291.27	-12.71	82.91

		651	3.04	28.09	-39.35	18.12	-29.39	-23.93	3.03	-312.90	-291.90	-17.96	78.68
		640	3.19	32.38	-38.16	23.02	-28.80	-23.93	-2.66	-329.36	-311.67	-20.34	73.92
		631	3.23	32.20	-38.82	22.93	-29.55	-23.93	4.28	-330.41	-311.04	-15.08	78.14
719	14	650	1.25	10.48	-15.27	10.48	-15.27	-0.13	38.76	-130.47	-101.33	9.62	63.89
		651	1.18	10.57	-14.48	10.57	-14.48	-0.13	26.32	-128.17	-102.42	0.57	57.58
		640	1.40	15.98	-13.83	15.98	-13.83	-0.13	13.76	-148.68	-131.95	-2.97	49.37
		631	1.46	15.89	-14.62	15.89	-14.62	-0.13	25.86	-150.65	-130.87	6.08	55.68
719	16	650	1.14	9.36	-15.30	9.36	-15.30	-0.05	36.08	-112.85	-88.70	11.93	54.89
		651	1.08	9.47	-14.45	9.47	-14.45	-0.05	24.32	-111.57	-89.82	2.57	49.82
		640	1.26	14.27	-13.88	14.27	-13.88	-0.05	13.21	-127.04	-113.55	-0.28	41.34
		631	1.32	14.17	-14.72	14.17	-14.72	-0.05	24.78	-128.13	-112.43	9.08	46.41
720	2	651	3.33	17.46	-18.95	17.43	-18.92	-1.07	-37.99	-542.32	-531.62	-48.69	72.70
		587	3.25	17.58	-17.94	17.55	-17.91	-1.07	-51.93	-533.73	-532.19	-53.46	27.17
		458	4.48	27.05	-16.80	27.02	-16.78	-1.07	-78.26	-746.11	-745.33	-79.04	22.85
		640	4.53	26.93	-17.81	26.90	-17.78	-1.07	-67.37	-751.66	-744.76	-74.27	68.37
720	8	651	4.14	25.81	-36.31	18.81	-29.31	-19.65	-51.91	-625.17	-619.78	-57.31	55.36
		587	4.04	26.43	-33.83	19.14	-26.55	-19.65	-58.29	-622.24	-620.14	-60.39	34.33
		458	4.60	31.47	-32.61	24.74	-25.88	-19.65	-70.67	-720.17	-718.64	-72.21	31.53
		640	4.69	30.89	-35.12	24.40	-28.63	-19.65	-64.90	-722.50	-718.27	-69.13	52.57
720	14	651	2.05	10.57	-14.50	10.56	-14.48	-0.59	-19.44	-323.30	-317.50	-25.24	41.56
		587	2.00	10.69	-13.53	10.67	-13.52	-0.59	-28.38	-318.91	-317.99	-29.30	16.27
		458	2.69	16.37	-12.85	16.36	-12.84	-0.59	-43.10	-436.80	-436.39	-43.51	12.59
		640	2.73	16.25	-13.81	16.24	-13.80	-0.59	-35.86	-439.50	-435.91	-39.45	37.88
720	16	651	1.85	9.44	-14.47	9.43	-14.46	-0.50	-15.58	-286.33	-281.49	-20.43	35.90
		587	1.81	9.57	-13.43	9.56	-13.42	-0.50	-23.83	-282.80	-281.99	-24.64	14.45
		458	2.39	14.62	-12.82	14.61	-12.81	-0.50	-36.37	-382.78	-382.45	-36.69	10.63
		640	2.43	14.50	-13.86	14.49	-13.85	-0.50	-29.56	-384.87	-381.94	-32.48	32.09
721	2	610	1.92	8.70	-14.63	8.68	-14.61	0.70	-41.73	-317.81	-315.59	-43.96	-24.68
		665	2.00	8.75	-14.20	8.73	-14.18	0.70	-29.44	-333.76	-315.98	-47.22	-71.37
		642	3.21	18.15	-13.07	18.14	-13.05	0.70	-61.77	-546.27	-534.59	-73.45	-74.32
		521	3.17	18.10	-13.49	18.08	-13.48	0.70	-68.55	-535.83	-534.20	-70.19	-27.63
721	6	610	3.18	20.79	-20.69	15.10	-15.00	14.27	-59.90	-519.82	-518.00	-61.71	-28.86
		665	3.26	20.20	-22.90	14.80	-17.50	14.27	-60.01	-524.16	-518.48	-65.69	-51.03
		642	3.86	25.16	-21.69	20.31	-16.84	14.27	-72.71	-627.71	-622.28	-78.14	-54.63
		521	3.79	25.69	-19.43	20.61	-14.34	14.27	-72.25	-623.72	-621.80	-74.17	-32.46
721	14	610	1.20	5.29	-10.94	5.28	-10.93	0.38	-24.39	-192.17	-190.82	-25.74	-14.99
		665	1.24	5.31	-10.82	5.30	-10.81	0.38	-16.90	-201.35	-191.00	-27.25	-42.46
		642	1.96	11.09	-10.12	11.08	-10.11	0.38	-35.91	-326.37	-319.60	-42.68	-43.83
		521	1.93	11.07	-10.24	11.07	-10.24	0.38	-40.21	-320.37	-319.42	-41.17	-16.36
721	16	610	1.09	4.74	-10.82	4.73	-10.81	0.32	-21.35	-171.56	-170.35	-22.56	-13.42
		665	1.13	4.75	-10.77	4.74	-10.77	0.32	-14.63	-179.54	-170.49	-23.68	-37.56
		642	1.76	9.96	-10.15	9.95	-10.14	0.32	-31.34	-289.41	-283.50	-37.24	-38.58
		521	1.74	9.95	-10.19	9.95	-10.19	0.32	-35.28	-284.21	-283.37	-36.12	-14.44
722	2	665	1.30	8.90	-14.16	8.89	-14.16	0.27	38.36	-177.09	-115.57	-23.17	-97.31
		661	1.37	8.87	-14.37	8.87	-14.37	0.27	46.67	-191.28	-116.20	-28.41	-110.58
		643	1.80	18.07	-13.27	18.07	-13.26	0.27	28.46	-242.65	-178.32	-35.87	-115.34
		642	1.75	18.09	-13.06	18.09	-13.06	0.27	21.64	-229.96	-177.69	-30.62	-102.07
722	5	665	2.53	27.05	-28.73	10.84	-12.53	25.33	-26.76	-296.00	-276.23	-46.53	-70.23
		661	2.56	27.28	-28.29	10.92	-11.92	25.33	-21.76	-298.01	-275.91	-43.86	-74.93
		643	2.71	31.11	-26.43	15.99	-11.31	25.33	-27.09	-317.36	-297.95	-46.50	-72.51
		642	2.69	30.90	-26.90	15.92	-11.92	25.33	-31.91	-315.53	-298.27	-49.17	-67.80
722	14	665	0.82	5.43	-10.79	5.43	-10.79	0.05	23.59	-105.37	-69.16	-12.63	-57.96
		661	0.86	5.39	-11.06	5.39	-11.06	0.05	28.92	-113.05	-69.41	-14.72	-65.51
		643	1.11	11.06	-10.38	11.06	-10.38	0.05	18.03	-141.76	-104.76	-18.96	-67.40
		642	1.08	11.09	-10.11	11.09	-10.11	0.05	13.48	-134.87	-104.51	-16.87	-59.85
722	16	665	0.75	4.87	-10.75	4.87	-10.75	-6.96e-03	21.26	-93.22	-61.38	-10.59	-51.30
		661	0.78	4.83	-11.07	4.83	-11.07	-6.96e-03	26.18	-99.63	-61.54	-11.91	-57.80
		643	1.00	9.95	-10.45	9.95	-10.45	-6.96e-03	16.52	-124.08	-92.00	-15.57	-59.00
		642	0.97	9.98	-10.14	9.98	-10.14	-6.96e-03	12.24	-118.32	-91.84	-14.24	-52.50
723	2	661	1.25	9.07	-14.34	9.07	-14.34	0.05	134.59	-97.46	46.07	-8.94	-112.72
		759	1.21	9.03	-14.66	9.03	-14.66	0.05	123.64	-92.28	45.46	-14.09	-103.77
		645	1.53	18.09	-13.58	18.09	-13.58	0.05	157.79	-79.54	87.32	-9.06	-108.44
		643	1.56	18.13	-13.26	18.13	-13.26	0.05	168.06	-84.04	87.94	-3.92	-117.38
723	8	661	2.54	24.15	-32.42	2.17	-10.45	-27.57	297.63	-3.67	274.87	19.08	-79.61
		759	2.50	22.94	-34.20	1.85	-13.11	-27.57	290.60	-4.95	273.98	11.66	-68.08
		645	2.78	25.92	-32.33	6.18	-12.59	-27.57	345.08	1.03	327.97	18.14	-74.80
		643	2.82	27.05	-30.49	6.50	-9.93	-27.57	351.71	2.71	328.86	25.56	-86.33
723	14	661	0.79	5.55	-11.04	5.55	-11.04	-0.08	81.36	-55.66	28.65	-2.95	-66.66
		759	0.77	5.52	-11.36	5.52	-11.36	-0.08	75.28	-51.60	28.43	-4.75	-61.23
		645	0.95	11.10	-10.69	11.10	-10.69	-0.08	94.79	-42.66	53.84	-1.70	-62.87
		643	0.97	11.14	-10.37	11.14	-10.37	-0.08	100.50	-46.35	54.06	0.09	-68.29
723	16	661	0.72	4.99	-11.05	4.99	-11.05	-0.13	72.62	-48.06	25.98	-1.41	-58.77
		759	0.70	4.95	-11.39	4.95	-11.39	-0.13	67.48	-43.97	25.86	-2.36	-53.91
		645	0.87	9.99	-10.78	9.99	-10.78	-0.13	84.32	-35.36	48.59	0.37	-54.77
		643	0.88	10.03	-10.44	10.03	-10.44	-0.13	89.17	-39.15	48.70	1.32	-59.62
724	2	759	1.51	9.19	-14.64	9.19	-14.64	-0.02	198.85	-39.99	159.29	-0.43	-88.79
		760	1.44	9.16	-14.88	9.16	-14.88	-0.02	182.55	-27.75	158.86	-4.06	-66.49

		646	2.09	18.10	-13.80	18.10	-13.80	-0.02	281.12	-9.40	263.26	8.47	-69.79
		645	2.14	18.13	-13.57	18.13	-13.57	-0.02	293.80	-18.00	263.69	12.10	-92.09
724	8	759	2.57	24.58	-32.71	4.65	-12.78	-27.29	320.75	5.75	310.45	16.04	-56.00
		760	2.50	23.53	-34.47	4.35	-15.29	-27.29	315.16	8.64	310.17	13.63	-38.79
		646	2.88	26.57	-32.79	8.56	-14.78	-27.29	395.25	18.79	390.74	23.30	-40.98
		645	2.94	27.56	-30.97	8.87	-12.27	-27.29	400.07	16.67	391.03	25.71	-58.19
724	14	759	0.95	5.64	-11.34	5.64	-11.34	-0.09	120.25	-19.91	96.88	3.46	-52.24
		760	0.91	5.62	-11.56	5.62	-11.56	-0.09	110.86	-11.83	96.74	2.30	-39.16
		646	1.29	11.12	-10.90	11.12	-10.90	-0.09	168.18	-0.56	157.98	9.64	-40.22
		645	1.32	11.15	-10.68	11.14	-10.68	-0.09	175.38	-6.45	158.12	10.81	-53.30
724	16	759	0.86	5.08	-11.37	5.08	-11.37	-0.12	107.36	-15.64	86.77	4.95	-45.92
		760	0.83	5.05	-11.61	5.05	-11.61	-0.12	99.22	-8.08	86.71	4.43	-34.44
		646	1.17	10.01	-11.01	10.01	-11.01	-0.12	149.25	2.07	140.44	10.88	-34.91
		645	1.19	10.04	-10.78	10.04	-10.78	-0.12	155.44	-3.54	140.50	11.40	-46.39
725	2	760	1.62	9.25	-14.87	9.25	-14.87	-0.01	225.62	-4.98	217.65	2.99	-42.13
		761	1.59	9.24	-14.95	9.24	-14.95	-0.01	218.35	0.83	217.49	1.69	-13.65
		647	2.41	18.10	-13.89	18.10	-13.89	-0.01	351.48	17.03	350.82	17.69	-14.84
		646	2.43	18.11	-13.80	18.11	-13.80	-0.01	356.54	13.43	350.98	18.99	-43.32
725	12	760	2.75	15.85	-27.57	13.50	-25.22	-9.83	432.29	76.24	431.91	76.62	-11.65
		761	2.75	15.67	-28.56	13.37	-26.26	-9.83	431.98	77.10	431.96	77.12	-2.68
		647	3.08	20.88	-27.68	18.80	-25.61	-9.83	473.93	82.14	473.92	82.15	-2.24
		646	3.08	21.05	-26.68	18.93	-24.57	-9.83	474.18	81.34	473.86	81.66	-11.20
725	14	760	1.01	5.68	-11.55	5.68	-11.55	-0.04	136.65	1.85	131.97	6.52	-24.67
		761	1.00	5.67	-11.63	5.67	-11.63	-0.04	132.44	5.60	131.92	6.12	-8.10
		647	1.48	11.13	-10.97	11.13	-10.97	-0.04	209.86	15.06	209.49	15.43	-8.47
		646	1.49	11.14	-10.90	11.14	-10.90	-0.04	212.72	12.65	209.54	15.83	-25.04
725	16	760	0.92	5.12	-11.60	5.12	-11.60	-0.05	122.11	4.08	118.01	8.19	-21.62
		761	0.91	5.11	-11.68	5.11	-11.68	-0.05	118.45	7.56	117.99	8.02	-7.16
		647	1.33	10.02	-11.09	10.02	-11.09	-0.05	186.02	15.83	185.71	16.15	-7.31
		646	1.34	10.03	-11.01	10.03	-11.01	-0.05	188.48	13.56	185.73	16.31	-21.77
726	2	761	1.59	9.24	-14.95	9.24	-14.95	0.01	218.35	0.83	217.49	1.69	13.65
		762	1.62	9.25	-14.87	9.25	-14.87	0.01	225.62	-4.98	217.65	2.99	42.13
		648	2.43	18.11	-13.80	18.11	-13.80	0.01	356.54	13.43	350.98	18.99	43.32
		647	2.41	18.10	-13.89	18.10	-13.89	0.01	351.48	17.03	350.82	17.69	14.84
726	10	761	2.75	15.67	-28.56	13.37	-26.26	9.83	431.98	77.10	431.96	77.12	2.68
		762	2.75	15.85	-27.57	13.50	-25.22	9.83	432.29	76.24	431.91	76.62	11.65
		648	3.08	21.05	-26.68	18.93	-24.57	9.83	474.18	81.34	473.86	81.66	11.20
		647	3.08	20.88	-27.68	18.80	-25.61	9.83	473.93	82.14	473.92	82.15	2.24
726	14	761	1.00	5.67	-11.63	5.67	-11.63	0.04	132.44	5.60	131.92	6.12	8.10
		762	1.01	5.68	-11.55	5.68	-11.55	0.04	136.65	1.85	131.97	6.52	24.67
		648	1.49	11.14	-10.90	11.14	-10.90	0.04	212.72	12.65	209.54	15.83	25.04
		647	1.48	11.13	-10.97	11.13	-10.97	0.04	209.86	15.06	209.49	15.43	8.47
726	16	761	0.91	5.11	-11.68	5.11	-11.68	0.05	118.45	7.56	117.99	8.02	7.16
		762	0.92	5.12	-11.60	5.12	-11.60	0.05	122.11	4.08	118.01	8.19	21.62
		648	1.34	10.03	-11.01	10.03	-11.01	0.05	188.48	13.56	185.73	16.31	21.77
		647	1.33	10.02	-11.09	10.02	-11.09	0.05	186.02	15.83	185.71	16.15	7.31
727	2	762	1.44	9.16	-14.88	9.16	-14.88	0.02	182.55	-27.75	158.86	-4.06	66.49
		763	1.51	9.19	-14.64	9.19	-14.64	0.02	198.85	-39.99	159.29	-0.43	88.79
		649	2.14	18.13	-13.57	18.13	-13.57	0.02	293.80	-18.00	263.69	12.10	92.09
		648	2.09	18.10	-13.80	18.10	-13.80	0.02	281.12	-9.40	263.26	8.47	69.79
727	6	762	2.50	23.53	-34.47	4.35	-15.29	27.29	315.16	8.64	310.17	13.63	38.79
		763	2.57	24.58	-32.71	4.65	-12.78	27.29	320.75	5.75	310.45	16.04	56.00
		649	2.94	27.56	-30.97	8.87	-12.27	27.29	400.07	16.67	391.03	25.71	58.19
		648	2.88	26.57	-32.79	8.56	-14.78	27.29	395.25	18.79	390.74	23.30	40.98
727	14	762	0.91	5.62	-11.56	5.62	-11.56	0.09	110.86	-11.83	96.74	2.30	39.16
		763	0.95	5.64	-11.34	5.64	-11.34	0.09	120.25	-19.91	96.88	3.46	52.24
		649	1.32	11.15	-10.68	11.14	-10.68	0.09	175.38	-6.45	158.12	10.81	53.30
		648	1.29	11.12	-10.90	11.12	-10.90	0.09	168.18	-0.56	157.98	9.64	40.22
727	16	762	0.83	5.05	-11.61	5.05	-11.61	0.12	99.22	-8.08	86.71	4.43	34.44
		763	0.86	5.08	-11.37	5.08	-11.37	0.12	107.36	-15.64	86.77	4.95	45.92
		649	1.19	10.04	-10.78	10.04	-10.78	0.12	155.44	-3.54	140.50	11.40	46.39
		648	1.17	10.01	-11.01	10.01	-11.01	0.12	149.25	2.07	140.44	10.88	34.91
728	2	763	1.21	9.03	-14.66	9.03	-14.66	-0.05	123.64	-92.28	45.46	-14.09	103.77
		641	1.25	9.07	-14.34	9.07	-14.34	-0.05	134.59	-97.46	46.07	-8.94	112.72
		650	1.56	18.13	-13.26	18.13	-13.26	-0.05	168.06	-84.04	87.94	-3.92	117.38
		649	1.53	18.09	-13.58	18.09	-13.58	-0.05	157.79	-79.54	87.32	-9.06	108.44
728	6	763	2.50	22.94	-34.20	1.85	-13.11	27.57	290.60	-4.95	273.98	11.66	68.08
		641	2.54	24.15	-32.42	2.17	-10.45	27.57	297.63	-3.67	274.87	19.08	79.61
		650	2.82	27.05	-30.49	6.50	-9.93	27.57	351.71	2.71	328.86	25.56	86.33
		649	2.78	25.92	-32.33	6.18	-12.59	27.57	345.08	1.03	327.97	18.14	74.80
728	14	763	0.77	5.52	-11.36	5.52	-11.36	0.08	75.28	-51.60	28.43	-4.75	61.23
		641	0.79	5.55	-11.04	5.55	-11.04	0.08	81.36	-55.66	28.65	-2.95	66.66
		650	0.97	11.14	-10.37	11.14	-10.37	0.08	100.50	-46.35	54.06	0.09	68.29
		649	0.95	11.10	-10.69	11.10	-10.69	0.08	94.79	-42.66	53.84	-1.70	62.87
728	16	763	0.70	4.95	-11.39	4.95	-11.39	0.13	67.48	-43.97	25.86	-2.36	53.91
		641	0.72	4.99	-11.05	4.99	-11.05	0.13	72.62	-48.06	25.98	-1.41	58.77
		650	0.88	10.03	-10.44	10.03	-10.44	0.13	89.17	-39.15	48.70	1.32	59.62

		649	0.87	9.99	-10.78	9.99	-10.78	0.13	84.32	-35.36	48.59	0.37	54.77
729	2	641	1.37	8.87	-14.37	8.87	-14.37	-0.27	46.67	-191.28	-116.20	-28.41	110.58
		653	1.30	8.90	-14.16	8.89	-14.16	-0.27	38.36	-177.09	-115.57	-23.17	97.31
		651	1.75	18.09	-13.06	18.09	-13.06	-0.27	21.64	-229.96	-177.69	-30.62	102.07
		650	1.80	18.07	-13.27	18.07	-13.26	-0.27	28.46	-242.65	-178.32	-35.87	115.34
729	7	641	2.56	27.28	-28.29	10.92	-11.92	-25.33	-21.76	-298.01	-275.91	-43.86	74.93
		653	2.53	27.05	-28.73	10.84	-12.53	-25.33	-26.76	-296.00	-276.23	-46.53	70.23
		651	2.69	30.90	-26.90	15.92	-11.92	-25.33	-31.91	-315.53	-298.27	-49.17	67.80
		650	2.71	31.11	-26.43	15.99	-11.31	-25.33	-27.09	-317.36	-297.95	-46.50	72.51
729	14	641	0.86	5.39	-11.06	5.39	-11.06	-0.05	28.92	-113.05	-69.41	-14.72	65.51
		653	0.82	5.43	-10.79	5.43	-10.79	-0.05	23.59	-105.37	-69.16	-12.63	57.96
		651	1.08	11.09	-10.11	11.09	-10.11	-0.05	13.48	-134.87	-104.51	-16.87	59.85
		650	1.11	11.06	-10.38	11.06	-10.38	-0.05	18.03	-141.76	-104.76	-18.96	67.40
729	16	641	0.78	4.83	-11.07	4.83	-11.07	6.96e-03	26.18	-99.63	-61.54	-11.91	57.80
		653	0.75	4.87	-10.75	4.87	-10.75	6.96e-03	21.26	-93.22	-61.38	-10.59	51.30
		651	0.97	9.98	-10.14	9.98	-10.14	6.96e-03	12.24	-118.32	-91.84	-14.24	52.50
		650	1.00	9.95	-10.45	9.95	-10.45	6.96e-03	16.52	-124.08	-92.00	-15.57	59.00
730	2	653	2.00	8.75	-14.20	8.73	-14.18	-0.70	-29.44	-333.76	-315.98	-47.22	71.37
		455	1.92	8.70	-14.63	8.68	-14.61	-0.70	-41.73	-317.81	-315.59	-43.96	24.68
		587	3.17	18.10	-13.49	18.08	-13.48	-0.70	-68.55	-535.83	-534.20	-70.19	27.63
		651	3.21	18.15	-13.07	18.14	-13.05	-0.70	-61.77	-546.27	-534.59	-73.45	74.32
730	8	653	3.26	20.20	-22.90	14.80	-17.50	-14.27	-60.01	-524.16	-518.48	-65.69	51.03
		455	3.18	20.79	-20.69	15.10	-15.00	-14.27	-59.90	-519.82	-518.00	-61.71	28.86
		587	3.79	25.69	-19.43	20.61	-14.34	-14.27	-72.25	-623.72	-621.80	-74.17	32.46
		651	3.86	25.16	-21.69	20.31	-16.84	-14.27	-72.71	-627.71	-622.28	-78.14	54.63
730	14	653	1.24	5.31	-10.82	5.30	-10.81	-0.38	-16.90	-201.35	-191.00	-27.25	42.46
		455	1.20	5.29	-10.94	5.28	-10.93	-0.38	-24.39	-192.17	-190.82	-25.74	14.99
		587	1.93	11.07	-10.24	11.07	-10.24	-0.38	-40.21	-320.37	-319.42	-41.17	16.36
		651	1.96	11.09	-10.12	11.08	-10.11	-0.38	-35.91	-326.37	-319.60	-42.68	43.83
730	16	653	1.13	4.75	-10.77	4.74	-10.77	-0.32	-14.63	-179.54	-170.49	-23.68	37.56
		455	1.09	4.74	-10.82	4.73	-10.81	-0.32	-21.35	-171.56	-170.35	-22.56	13.42
		587	1.74	9.95	-10.19	9.95	-10.19	-0.32	-35.28	-284.21	-283.37	-36.12	14.44
		651	1.76	9.96	-10.15	9.95	-10.14	-0.32	-31.34	-289.41	-283.50	-37.24	38.58
731	2	161	0.29	-3.37	-6.59	-6.58	-3.39	0.24	6.19	-32.76	-21.38	-5.19	-17.71
		736	0.42	-3.42	-6.60	-6.58	-3.44	0.24	26.54	-55.37	-21.62	-7.21	-40.32
		667	0.77	2.42	-2.38	2.41	-2.36	0.24	-5.36	-142.02	-127.47	-19.91	-42.15
		537	0.70	2.43	-2.32	2.42	-2.31	0.24	-14.50	-130.62	-127.23	-17.89	-19.54
731	6	161	2.36	13.57	-2.00	12.68	-1.10	3.63	-30.43	-415.38	-413.58	-32.24	-26.30
		736	2.38	13.38	-3.08	12.54	-2.24	3.63	-31.85	-416.51	-413.85	-34.51	-31.87
		667	2.51	13.70	-3.03	12.87	-2.20	3.63	-34.80	-442.76	-439.92	-37.64	-33.93
		537	2.49	13.88	-1.94	13.00	-1.06	3.63	-33.39	-441.62	-439.64	-35.37	-28.37
731	14	161	0.18	-2.51	-3.99	-3.98	-2.52	0.15	3.44	-20.69	-13.98	-3.27	-10.82
		736	0.26	-2.54	-4.00	-3.98	-2.55	0.15	15.65	-34.23	-14.12	-4.46	-24.47
		667	0.48	1.57	-1.89	1.57	-1.89	0.15	-3.39	-86.80	-78.06	-12.14	-25.55
		537	0.44	1.58	-1.86	1.57	-1.86	0.15	-8.90	-79.97	-77.92	-10.95	-11.89
731	16	161	0.16	-2.48	-3.57	-3.55	-2.49	0.13	2.93	-18.92	-13.00	-2.99	-9.71
		736	0.23	-2.50	-3.57	-3.55	-2.51	0.13	13.78	-30.94	-13.13	-4.04	-21.90
		667	0.43	1.46	-1.92	1.45	-1.91	0.13	-3.10	-77.96	-70.18	-10.88	-22.84
		537	0.40	1.46	-1.90	1.46	-1.89	0.13	-8.01	-71.89	-70.06	-9.84	-10.66
732	2	736	0.57	-3.45	-6.79	-6.77	-3.47	0.23	27.55	-82.93	-45.33	-10.05	-52.35
		768	0.59	-3.37	-6.78	-6.76	-3.39	0.23	25.00	-90.36	-46.39	-18.96	-56.03
		766	0.66	2.12	-2.33	2.11	-2.32	0.23	25.22	-109.88	-63.62	-21.03	-64.10
		667	0.64	2.11	-2.41	2.10	-2.40	0.23	28.13	-102.81	-62.56	-12.12	-60.42
732	5	736	1.77	9.24	-5.91	5.37	-2.04	6.61	-13.66	-305.23	-290.44	-28.46	-63.99
		768	1.74	9.29	-5.81	5.39	-1.91	6.61	-17.74	-302.95	-290.63	-30.06	-57.99
		766	1.69	11.24	-5.01	7.85	-1.61	6.61	-12.55	-276.66	-262.52	-26.69	-59.44
		667	1.72	11.20	-5.12	7.83	-1.75	6.61	-8.23	-279.19	-262.33	-25.09	-65.45
732	14	736	0.34	-2.56	-4.11	-4.10	-2.57	0.12	16.58	-50.52	-27.82	-6.11	-31.74
		768	0.36	-2.52	-4.10	-4.09	-2.53	0.12	15.00	-54.92	-28.46	-11.45	-33.91
		766	0.40	1.41	-1.88	1.41	-1.87	0.12	15.23	-66.52	-38.62	-12.67	-38.76
		667	0.39	1.41	-1.91	1.40	-1.91	0.12	17.02	-62.32	-37.98	-7.33	-36.59
732	16	736	0.31	-2.52	-3.67	-3.66	-2.53	0.10	14.77	-45.29	-25.05	-5.47	-28.39
		768	0.32	-2.49	-3.66	-3.65	-2.50	0.10	13.34	-49.18	-25.62	-10.22	-30.29
		766	0.36	1.32	-1.91	1.32	-1.90	0.10	13.58	-59.43	-34.55	-11.29	-34.60
		667	0.36	1.32	-1.93	1.32	-1.93	0.10	15.20	-55.72	-33.98	-6.54	-32.69
733	2	768	0.51	-3.41	-6.99	-6.99	-3.41	0.17	39.65	-68.44	-13.74	-15.04	-54.04
		772	0.48	-3.38	-6.99	-6.98	-3.39	0.17	28.57	-70.77	-15.18	-27.03	-49.31
		669	0.56	1.98	-2.32	1.98	-2.31	0.17	53.47	-70.89	6.94	-24.37	-60.18
		766	0.58	1.98	-2.35	1.97	-2.34	0.17	63.72	-67.73	8.38	-12.39	-64.90
733	9	768	1.73	-0.19	-18.80	-17.15	-1.84	5.29	-16.33	-279.43	-268.41	-27.35	-52.70
		772	1.74	0.33	-18.69	-17.08	-1.28	5.29	-10.28	-276.21	-267.42	-19.08	-47.56
		669	1.33	3.06	-9.21	-6.18	0.03	5.29	-9.33	-250.20	-243.34	-16.19	-40.06
		766	1.32	2.62	-9.40	-6.24	-0.53	5.29	-15.53	-253.26	-244.33	-24.46	-45.21
733	14	768	0.31	-2.54	-4.21	-4.21	-2.54	0.08	24.11	-41.24	-8.11	-9.01	-32.67
		772	0.30	-2.54	-4.21	-4.21	-2.54	0.08	17.42	-42.59	-8.98	-16.20	-29.79
		669	0.35	1.35	-1.88	1.35	-1.88	0.08	32.51	-42.56	4.53	-14.58	-36.30
		766	0.36	1.35	-1.88	1.35	-1.88	0.08	38.70	-40.70	5.39	-7.39	-39.19

733	16	768	0.28	-2.51	-3.75	-3.75	-2.51	0.06	21.60	-36.75	-7.15	-8.00	-29.17
		772	0.27	-2.51	-3.75	-3.75	-2.52	0.06	15.63	-37.93	-7.91	-14.39	-26.58
		669	0.31	1.28	-1.92	1.28	-1.91	0.06	29.12	-37.84	4.21	-12.93	-32.37
		766	0.32	1.28	-1.91	1.28	-1.91	0.06	34.64	-36.21	4.98	-6.55	-34.96
734	2	772	0.48	-3.40	-7.15	-7.15	-3.41	0.09	47.36	-46.23	23.51	-22.38	-40.78
		775	0.44	-3.40	-7.15	-7.15	-3.41	0.09	36.58	-45.67	22.42	-31.51	-31.05
		630	0.61	1.94	-2.32	1.94	-2.32	0.09	82.24	-40.33	67.96	-26.05	-39.33
		669	0.64	1.94	-2.32	1.94	-2.31	0.09	91.29	-39.16	69.06	-16.92	-49.06
734	9	772	2.21	-1.08	-22.36	-21.62	-1.82	3.90	-24.24	-347.01	-343.09	-28.16	-35.36
		775	2.22	-0.71	-22.30	-21.57	-1.44	3.90	-22.25	-345.10	-342.67	-24.69	-27.93
		630	1.70	1.69	-9.79	-8.26	0.16	3.90	-18.39	-310.00	-307.88	-20.51	-24.78
		669	1.69	1.35	-9.88	-8.31	-0.23	3.90	-20.38	-311.90	-308.30	-23.99	-32.21
734	14	772	0.28	-2.55	-4.29	-4.29	-2.55	0.04	29.09	-27.62	14.81	-13.34	-24.61
		775	0.26	-2.56	-4.29	-4.29	-2.56	0.04	22.63	-27.28	14.16	-18.81	-18.74
		630	0.38	1.34	-1.89	1.34	-1.89	0.04	50.21	-24.04	41.67	-15.50	-23.69
		669	0.40	1.34	-1.88	1.34	-1.88	0.04	55.63	-23.35	42.32	-10.04	-29.57
734	16	772	0.25	-2.52	-3.81	-3.81	-2.52	0.02	26.20	-24.49	13.52	-11.81	-21.95
		775	0.23	-2.54	-3.81	-3.81	-2.54	0.02	20.46	-24.18	12.94	-16.66	-16.71
		630	0.35	1.28	-1.93	1.28	-1.93	0.02	45.06	-21.30	37.49	-13.72	-21.10
		669	0.36	1.28	-1.91	1.28	-1.91	0.02	49.88	-20.68	38.07	-8.87	-26.35
735	2	775	0.48	-3.42	-7.23	-7.23	-3.42	0.03	50.68	-33.15	46.19	-28.66	-18.87
		644	0.47	-3.42	-7.23	-7.23	-3.42	0.03	46.36	-32.56	45.79	-31.99	-6.70
		764	0.68	1.93	-2.32	1.93	-2.32	0.03	103.50	-25.88	102.76	-25.15	-9.72
		630	0.69	1.93	-2.32	1.93	-2.32	0.03	106.88	-25.55	103.16	-21.83	-21.89
735	9	775	2.41	-1.51	-24.62	-24.35	-1.77	2.46	-27.14	-368.46	-367.89	-27.71	-13.95
		644	2.41	-1.28	-24.59	-24.32	-1.54	2.46	-27.73	-367.98	-367.90	-27.82	-5.40
		764	1.84	0.78	-10.33	-9.75	0.21	2.46	-22.91	-327.97	-327.87	-23.01	-5.50
		630	1.83	0.56	-10.37	-9.78	-0.02	2.46	-22.26	-328.50	-327.86	-22.91	-14.05
735	14	775	0.29	-2.57	-4.32	-4.32	-2.57	9.73e-03	31.39	-19.73	28.72	-17.06	-11.38
		644	0.28	-2.57	-4.32	-4.32	-2.57	9.73e-03	28.82	-19.39	28.48	-19.05	-4.05
		764	0.43	1.35	-1.89	1.35	-1.89	9.73e-03	63.24	-15.36	62.80	-14.93	-5.85
		630	0.43	1.35	-1.89	1.35	-1.89	9.73e-03	65.26	-15.16	63.04	-12.94	-13.18
735	16	775	0.25	-2.54	-3.83	-3.83	-2.54	4.83e-03	28.40	-17.46	26.04	-15.09	-10.14
		644	0.24	-2.55	-3.83	-3.83	-2.55	4.83e-03	26.13	-17.16	25.83	-16.86	-3.61
		764	0.39	1.29	-1.94	1.29	-1.94	4.83e-03	56.79	-13.57	56.40	-13.19	-5.21
		630	0.39	1.29	-1.93	1.29	-1.93	4.83e-03	58.58	-13.39	56.61	-11.42	-11.74
736	2	644	0.47	-3.42	-7.23	-7.23	-3.42	-0.03	46.36	-32.56	45.79	-31.99	6.70
		655	0.48	-3.42	-7.23	-7.23	-3.42	-0.03	50.68	-33.15	46.19	-28.66	18.87
		765	0.69	1.93	-2.32	1.93	-2.32	-0.03	106.88	-25.55	103.16	-21.83	21.89
		764	0.68	1.93	-2.32	1.93	-2.32	-0.03	103.50	-25.88	102.76	-25.15	9.72
736	11	644	2.41	-1.28	-24.59	-24.32	-1.54	-2.46	-27.73	-367.98	-367.90	-27.82	5.40
		655	2.41	-1.51	-24.62	-24.35	-1.77	-2.46	-27.14	-368.46	-367.89	-27.71	13.95
		765	1.83	0.56	-10.37	-9.78	-0.02	-2.46	-22.26	-328.50	-327.86	-22.91	14.05
		764	1.84	0.78	-10.33	-9.75	0.21	-2.46	-22.91	-327.97	-327.87	-23.01	5.50
736	14	644	0.28	-2.57	-4.32	-4.32	-2.57	-9.73e-03	28.82	-19.39	28.48	-19.05	4.05
		655	0.29	-2.57	-4.32	-4.32	-2.57	-9.73e-03	31.39	-19.73	28.72	-17.06	11.38
		765	0.43	1.35	-1.89	1.35	-1.89	-9.73e-03	65.26	-15.16	63.04	-12.94	13.18
		764	0.43	1.35	-1.89	1.35	-1.89	-9.73e-03	63.24	-15.36	62.80	-14.93	5.85
736	16	644	0.24	-2.55	-3.83	-3.83	-2.55	-4.83e-03	26.13	-17.16	25.83	-16.86	3.61
		655	0.25	-2.54	-3.83	-3.83	-2.54	-4.83e-03	28.40	-17.46	26.04	-15.09	10.14
		765	0.39	1.29	-1.93	1.29	-1.93	-4.83e-03	58.58	-13.39	56.61	-11.42	11.74
		764	0.39	1.29	-1.94	1.29	-1.94	-4.83e-03	56.79	-13.57	56.40	-13.19	5.21
737	2	655	0.44	-3.40	-7.15	-7.15	-3.41	-0.09	36.58	-45.67	22.42	-31.51	31.05
		663	0.48	-3.40	-7.15	-7.15	-3.41	-0.09	47.36	-46.23	23.51	-22.38	40.78
		767	0.64	1.94	-2.32	1.94	-2.31	-0.09	91.29	-39.16	69.06	-16.92	49.06
		765	0.61	1.94	-2.32	1.94	-2.32	-0.09	82.24	-40.33	67.96	-26.05	39.33
737	11	655	2.22	-0.71	-22.30	-21.57	-1.44	-3.90	-22.25	-345.10	-342.67	-24.69	27.93
		663	2.21	-1.08	-22.36	-21.62	-1.82	-3.90	-24.24	-347.01	-343.09	-28.16	35.36
		767	1.69	1.35	-9.88	-8.31	-0.23	-3.90	-20.38	-311.90	-308.30	-23.99	32.21
		765	1.70	1.69	-9.79	-8.26	0.16	-3.90	-18.39	-310.00	-307.88	-20.51	24.78
737	14	655	0.26	-2.56	-4.29	-4.29	-2.56	-0.04	22.63	-27.28	14.16	-18.81	18.74
		663	0.28	-2.55	-4.29	-4.29	-2.55	-0.04	29.09	-27.62	14.81	-13.34	24.61
		767	0.40	1.34	-1.88	1.34	-1.88	-0.04	55.63	-23.35	42.32	-10.04	29.57
		765	0.38	1.34	-1.89	1.34	-1.89	-0.04	50.21	-24.04	41.67	-15.50	23.69
737	16	655	0.23	-2.54	-3.81	-3.81	-2.54	-0.02	20.46	-24.18	12.94	-16.66	16.71
		663	0.25	-2.52	-3.81	-3.81	-2.52	-0.02	26.20	-24.49	13.52	-11.81	21.95
		767	0.36	1.28	-1.91	1.28	-1.91	-0.02	49.88	-20.68	38.07	-8.87	26.35
		765	0.35	1.28	-1.93	1.28	-1.93	-0.02	45.06	-21.30	37.49	-13.72	21.10
738	2	663	0.48	-3.38	-6.99	-6.98	-3.39	-0.17	28.57	-70.77	-15.18	-27.03	49.31
		674	0.51	-3.41	-6.99	-6.99	-3.41	-0.17	39.65	-68.44	-13.74	-15.04	54.04
		769	0.58	1.98	-2.35	1.97	-2.34	-0.17	63.72	-67.73	8.38	-12.39	64.90
		767	0.56	1.98	-2.32	1.98	-2.31	-0.17	53.47	-70.89	6.94	-24.37	60.18
738	11	663	1.74	0.33	-18.69	-17.08	-1.28	-5.29	-10.28	-276.21	-267.42	-19.08	47.56
		674	1.73	-0.19	-18.80	-17.15	-1.84	-5.29	-16.33	-279.43	-268.41	-27.35	52.70
		769	1.32	2.62	-9.40	-6.24	-0.53	-5.29	-15.53	-253.26	-244.33	-24.46	45.21
		767	1.33	3.06	-9.21	-6.18	0.03	-5.29	-9.33	-250.20	-243.34	-16.19	40.06
738	14	663	0.30	-2.54	-4.21	-4.21	-2.54	-0.08	17.42	-42.59	-8.98	-16.20	29.79

		674	0.31	-2.54	-4.21	-4.21	-2.54	-0.08	24.11	-41.24	-8.11	-9.01	32.67
		769	0.36	1.35	-1.88	1.35	-1.88	-0.08	38.70	-40.70	5.39	-7.39	39.19
		767	0.35	1.35	-1.88	1.35	-1.88	-0.08	32.51	-42.56	4.53	-14.58	36.30
738	16	663	0.27	-2.51	-3.75	-3.75	-2.52	-0.06	15.63	-37.93	-7.91	-14.39	26.58
		674	0.28	-2.51	-3.75	-3.75	-2.51	-0.06	21.60	-36.75	-7.15	-8.00	29.17
		769	0.32	1.28	-1.91	1.28	-1.91	-0.06	34.64	-36.21	4.98	-6.55	34.96
		767	0.31	1.28	-1.92	1.28	-1.91	-0.06	29.12	-37.84	4.21	-12.93	32.37
739	2	674	0.59	-3.37	-6.78	-6.76	-3.39	-0.23	25.00	-90.36	-46.39	-18.96	56.03
		771	0.57	-3.45	-6.79	-6.77	-3.47	-0.23	27.55	-82.93	-45.33	-10.05	52.35
		626	0.64	2.11	-2.41	2.10	-2.40	-0.23	28.13	-102.81	-62.56	-12.12	60.42
		769	0.66	2.12	-2.33	2.11	-2.32	-0.23	25.22	-109.88	-63.62	-21.03	64.10
739	7	674	1.74	9.29	-5.81	5.39	-1.91	-6.61	-17.74	-302.95	-290.63	-30.06	57.99
		771	1.77	9.24	-5.91	5.37	-2.04	-6.61	-13.66	-305.23	-290.44	-28.46	63.99
		626	1.72	11.20	-5.12	7.83	-1.75	-6.61	-8.23	-279.19	-262.33	-25.09	65.45
		769	1.69	11.24	-5.01	7.85	-1.61	-6.61	-12.55	-276.66	-262.52	-26.69	59.44
739	14	674	0.36	-2.52	-4.10	-4.09	-2.53	-0.12	15.00	-54.92	-28.46	-11.45	33.91
		771	0.34	-2.56	-4.11	-4.10	-2.57	-0.12	16.58	-50.52	-27.82	-6.11	31.74
		626	0.39	1.41	-1.91	1.40	-1.91	-0.12	17.02	-62.32	-37.98	-7.33	36.59
		769	0.40	1.41	-1.88	1.41	-1.87	-0.12	15.23	-66.52	-38.62	-12.67	38.76
739	16	674	0.32	-2.49	-3.66	-3.65	-2.50	-0.10	13.34	-49.18	-25.62	-10.22	30.29
		771	0.31	-2.52	-3.67	-3.66	-2.53	-0.10	14.77	-45.29	-25.05	-5.47	28.39
		626	0.36	1.32	-1.93	1.32	-1.93	-0.10	15.20	-55.72	-33.98	-6.54	32.69
		769	0.36	1.32	-1.91	1.32	-1.90	-0.10	13.58	-59.43	-34.55	-11.29	34.60
740	2	771	0.42	-3.42	-6.60	-6.58	-3.44	-0.24	26.54	-55.37	-21.62	-7.21	40.32
		591	0.29	-3.37	-6.59	-6.58	-3.39	-0.24	6.19	-32.76	-21.38	-5.19	17.71
		446	0.70	2.43	-2.32	2.42	-2.31	-0.24	-14.50	-130.62	-127.23	-17.89	19.54
		626	0.77	2.42	-2.38	2.41	-2.36	-0.24	-5.36	-142.02	-127.47	-19.91	42.15
740	8	771	2.38	13.38	-3.08	12.54	-2.24	-3.63	-31.85	-416.51	-413.85	-34.51	31.87
		591	2.36	13.57	-2.00	12.68	-1.10	-3.63	-30.43	-415.38	-413.58	-32.24	26.30
		446	2.49	13.88	-1.94	13.00	-1.06	-3.63	-33.39	-441.62	-439.64	-35.37	28.37
		626	2.51	13.69	-3.03	12.87	-2.20	-3.63	-34.80	-442.76	-439.92	-37.64	33.93
740	14	771	0.26	-2.54	-4.00	-3.98	-2.55	-0.15	15.65	-34.23	-14.12	-4.46	24.47
		591	0.18	-2.51	-3.99	-3.98	-2.52	-0.15	3.44	-20.69	-13.98	-3.27	10.82
		446	0.44	1.58	-1.86	1.57	-1.86	-0.15	-8.90	-79.97	-77.92	-10.95	11.89
		626	0.48	1.57	-1.89	1.57	-1.89	-0.15	-3.39	-86.80	-78.06	-12.14	25.55
740	16	771	0.23	-2.50	-3.57	-3.55	-2.51	-0.13	13.78	-30.94	-13.13	-4.04	21.90
		591	0.16	-2.48	-3.57	-3.55	-2.49	-0.13	2.93	-18.92	-13.00	-2.99	9.71
		446	0.40	1.46	-1.90	1.46	-1.89	-0.13	-8.01	-71.89	-70.06	-9.84	10.66
		626	0.43	1.46	-1.92	1.45	-1.91	-0.13	-3.10	-77.96	-70.18	-10.88	22.84
741	2	537	0.78	1.63	-9.37	1.58	-9.32	0.78	-21.70	-131.58	-128.10	-25.17	-19.24
		667	0.91	1.68	-9.01	1.62	-8.95	0.78	-3.37	-156.96	-128.86	-31.47	-59.38
		665	1.90	9.50	-8.04	9.47	-8.01	0.78	-38.79	-332.04	-316.80	-54.02	-65.09
		610	1.84	9.46	-8.41	9.43	-8.38	0.78	-45.43	-318.34	-316.04	-47.73	-24.94
741	6	537	2.56	16.03	-10.14	12.36	-6.47	9.09	-60.74	-444.96	-442.93	-62.76	-27.83
		667	2.61	15.55	-11.93	12.11	-8.49	9.09	-59.83	-448.27	-443.19	-64.91	-44.13
		665	3.05	19.00	-11.09	15.94	-8.03	9.09	-69.35	-524.20	-519.49	-74.07	-46.07
		610	3.00	19.43	-9.26	16.18	-6.01	9.09	-69.95	-521.20	-519.23	-71.92	-29.78
741	14	537	0.50	0.98	-7.02	0.95	-6.99	0.45	-13.16	-80.55	-78.44	-15.28	-11.76
		667	0.57	1.00	-6.81	0.98	-6.79	0.45	-2.18	-95.62	-78.87	-18.93	-35.84
		665	1.17	5.87	-6.22	5.85	-6.20	0.45	-23.35	-200.73	-191.62	-32.46	-39.15
		610	1.13	5.84	-6.43	5.83	-6.41	0.45	-27.42	-192.57	-191.18	-28.81	-15.07
741	16	537	0.46	0.87	-6.95	0.85	-6.93	0.39	-11.77	-72.41	-70.52	-13.67	-10.56
		667	0.53	0.89	-6.77	0.87	-6.75	0.39	-2.02	-85.73	-70.90	-16.85	-31.96
		665	1.06	5.30	-6.24	5.28	-6.22	0.39	-20.80	-179.19	-171.11	-28.87	-34.85
		610	1.03	5.28	-6.41	5.26	-6.40	0.39	-24.46	-171.96	-170.73	-25.69	-13.44
742	2	667	0.81	1.34	-9.01	1.31	-8.99	0.51	36.41	-124.03	-63.94	-23.68	-77.65
		766	0.87	1.35	-8.94	1.32	-8.92	0.51	37.81	-141.97	-65.71	-38.44	-88.85
		661	1.24	9.66	-7.93	9.64	-7.92	0.51	27.18	-190.07	-118.15	-44.74	-102.23
		665	1.19	9.65	-8.00	9.63	-7.99	0.51	27.59	-173.94	-116.38	-29.97	-91.03
742	5	667	2.06	18.38	-17.64	7.26	-6.51	16.64	-33.17	-288.51	-266.00	-55.68	-72.38
		766	2.07	18.39	-17.63	7.26	-6.51	16.64	-32.92	-290.17	-266.15	-56.94	-74.84
		661	2.20	21.65	-16.01	11.63	-5.98	16.64	-34.57	-301.40	-277.65	-58.32	-75.98
		665	2.19	21.65	-16.01	11.63	-5.99	16.64	-34.78	-299.77	-277.50	-57.06	-73.53
742	14	667	0.51	0.82	-6.82	0.81	-6.81	0.25	22.02	-74.93	-38.79	-14.12	-46.88
		766	0.54	0.82	-6.83	0.81	-6.82	0.25	22.93	-85.43	-39.82	-22.68	-53.50
		661	0.76	5.98	-6.21	5.98	-6.20	0.25	16.56	-113.77	-70.81	-26.40	-61.26
		665	0.74	5.98	-6.19	5.98	-6.19	0.25	16.69	-104.31	-69.78	-17.84	-54.64
742	16	667	0.46	0.74	-6.77	0.74	-6.77	0.19	19.66	-66.86	-34.70	-12.50	-41.81
		766	0.49	0.74	-6.81	0.73	-6.80	0.19	20.50	-76.07	-35.59	-19.97	-47.65
		661	0.69	5.41	-6.25	5.41	-6.24	0.19	14.84	-100.99	-62.90	-23.25	-54.42
		665	0.67	5.42	-6.21	5.41	-6.21	0.19	14.91	-92.69	-62.00	-15.78	-48.58
743	2	766	0.87	1.19	-8.94	1.18	-8.93	0.27	79.69	-103.20	6.29	-29.80	-89.65
		669	0.85	1.18	-9.01	1.17	-9.01	0.27	64.53	-106.22	4.34	-46.04	-81.57
		759	1.13	9.84	-7.97	9.84	-7.97	0.27	105.32	-104.65	42.17	-41.50	-96.29
		661	1.14	9.85	-7.90	9.85	-7.89	0.27	119.41	-100.55	44.12	-25.26	-104.37
743	8	766	1.81	13.56	-22.40	-1.95	-6.89	-17.81	257.95	-2.28	246.82	8.85	-52.64
		669	1.82	13.01	-23.11	-2.09	-8.01	-17.81	253.34	-15.46	244.92	-7.04	-46.83

		759	2.08	16.03	-20.96	2.53	-7.46	-17.81	285.11	-16.75	272.13	-3.78	-61.23
		661	2.07	16.53	-20.21	2.66	-6.34	-17.81	290.20	-4.05	274.04	12.11	-67.04
743	14	766	0.55	0.75	-6.83	0.75	-6.83	0.10	48.39	-61.60	4.19	-17.40	-53.92
		669	0.54	0.74	-6.93	0.74	-6.92	0.10	39.37	-63.07	3.07	-26.77	-49.00
		759	0.71	6.13	-6.28	6.12	-6.28	0.10	63.78	-61.65	26.12	-24.00	-57.49
		661	0.71	6.14	-6.18	6.14	-6.18	0.10	72.14	-59.53	27.25	-14.64	-62.41
743	16	766	0.50	0.69	-6.81	0.69	-6.81	0.05	43.30	-54.59	3.93	-15.23	-48.00
		669	0.49	0.68	-6.92	0.68	-6.92	0.05	35.32	-55.73	2.96	-23.36	-43.58
		759	0.65	5.56	-6.34	5.56	-6.34	0.05	56.99	-54.23	23.64	-20.88	-50.96
		661	0.65	5.57	-6.22	5.57	-6.22	0.05	64.38	-52.51	24.61	-12.75	-55.38
744	2	669	0.91	1.14	-9.01	1.13	-9.01	0.12	101.81	-73.94	66.46	-38.58	-70.45
		630	0.86	1.12	-9.10	1.12	-9.10	0.12	84.52	-70.06	65.02	-50.56	-51.32
		760	1.41	9.98	-8.04	9.98	-8.04	0.12	172.75	-58.00	154.57	-39.81	-62.18
		759	1.44	10.00	-7.95	9.99	-7.95	0.12	186.80	-58.64	156.00	-27.84	-81.31
744	12	669	2.16	13.51	-15.94	9.93	-12.37	-9.62	348.72	36.29	348.10	36.90	-13.85
		630	2.18	13.30	-16.80	9.82	-13.32	-9.62	347.51	29.02	347.19	29.33	-9.99
		760	2.38	16.81	-15.98	13.69	-12.86	-9.62	366.13	30.65	365.28	31.50	-16.85
		759	2.36	17.01	-15.10	13.81	-11.90	-9.62	367.50	37.77	366.19	39.07	-20.72
744	14	669	0.58	0.74	-6.93	0.74	-6.93	0.02	62.05	-43.43	40.86	-22.23	-42.26
		630	0.55	0.73	-7.02	0.73	-7.02	0.02	51.76	-40.84	40.03	-29.11	-30.79
		760	0.88	6.24	-6.36	6.24	-6.36	0.02	104.52	-33.45	93.74	-22.67	-37.03
		759	0.90	6.25	-6.26	6.25	-6.26	0.02	112.85	-34.07	94.57	-15.79	-48.50
744	16	669	0.53	0.68	-6.92	0.68	-6.92	-7.24e-03	55.64	-38.13	36.82	-19.30	-37.56
		630	0.51	0.67	-7.02	0.67	-7.02	-7.24e-03	46.54	-35.69	36.10	-25.26	-27.37
		760	0.80	5.67	-6.42	5.67	-6.42	-7.24e-03	93.34	-29.05	83.83	-19.53	-32.77
		759	0.82	5.69	-6.32	5.69	-6.32	-7.24e-03	100.70	-29.73	84.55	-13.57	-42.96
745	2	630	0.92	1.12	-9.10	1.12	-9.10	0.03	107.67	-53.79	100.22	-46.34	-33.88
		764	0.90	1.11	-9.14	1.11	-9.14	0.03	100.32	-51.30	99.70	-50.68	-9.72
		761	1.58	10.06	-8.06	10.06	-8.06	0.03	213.58	-37.85	212.84	-37.10	-13.65
		760	1.60	10.07	-8.03	10.07	-8.03	0.03	219.04	-38.44	213.36	-32.76	-37.82
745	12	630	2.42	12.98	-14.75	11.37	-13.14	-6.49	399.95	35.49	399.80	35.64	-7.39
		764	2.42	12.90	-15.24	11.31	-13.66	-6.49	399.55	33.48	399.54	33.49	-1.50
		761	2.65	16.36	-14.65	14.93	-13.22	-6.49	427.16	36.77	427.13	36.80	-3.45
		760	2.64	16.44	-14.15	15.00	-12.70	-6.49	427.61	38.73	427.38	38.95	-9.34
745	14	630	0.59	0.73	-7.02	0.73	-7.02	6.74e-04	65.86	-31.00	61.41	-26.55	-20.28
		764	0.58	0.73	-7.05	0.73	-7.05	6.74e-04	61.49	-29.41	61.11	-29.03	-5.85
		761	0.99	6.30	-6.38	6.30	-6.38	6.74e-04	129.12	-21.36	128.68	-20.93	-8.10
		760	1.00	6.31	-6.35	6.31	-6.35	6.74e-04	132.34	-21.81	128.98	-18.44	-22.54
745	16	630	0.54	0.68	-7.02	0.68	-7.02	-9.10e-03	59.17	-26.91	55.23	-22.96	-18.00
		764	0.53	0.68	-7.06	0.68	-7.06	-9.10e-03	55.31	-25.45	54.97	-25.11	-5.21
		761	0.90	5.74	-6.46	5.74	-6.46	-9.10e-03	115.26	-18.31	114.87	-17.93	-7.16
		760	0.90	5.74	-6.42	5.74	-6.42	-9.10e-03	118.10	-18.75	115.13	-15.78	-19.95
746	2	764	0.90	1.11	-9.14	1.11	-9.14	-0.03	100.32	-51.30	99.70	-50.68	9.72
		765	0.92	1.12	-9.10	1.12	-9.10	-0.03	107.67	-53.79	100.22	-46.34	33.88
		762	1.60	10.07	-8.03	10.07	-8.03	-0.03	219.04	-38.44	213.36	-32.76	37.82
		761	1.58	10.06	-8.06	10.06	-8.06	-0.03	213.58	-37.85	212.84	-37.10	13.65
746	10	764	2.42	12.90	-15.24	11.31	-13.66	6.49	399.55	33.48	399.54	33.49	1.50
		765	2.42	12.98	-14.75	11.37	-13.14	6.49	399.95	35.49	399.80	35.64	7.39
		762	2.64	16.44	-14.15	15.00	-12.70	6.49	427.61	38.73	427.38	38.95	9.34
		761	2.65	16.36	-14.65	14.93	-13.22	6.49	427.16	36.77	427.13	36.80	3.45
746	14	764	0.58	0.73	-7.05	0.73	-7.05	-6.74e-04	61.49	-29.41	61.11	-29.03	5.85
		765	0.59	0.73	-7.02	0.73	-7.02	-6.74e-04	65.86	-31.00	61.41	-26.55	20.28
		762	1.00	6.31	-6.35	6.31	-6.35	-6.74e-04	132.34	-21.81	128.98	-18.44	22.54
		761	0.99	6.30	-6.38	6.30	-6.38	-6.74e-04	129.12	-21.36	128.68	-20.93	8.10
746	16	764	0.53	0.68	-7.06	0.68	-7.06	9.10e-03	55.31	-25.45	54.97	-25.11	5.21
		765	0.54	0.68	-7.02	0.68	-7.02	9.10e-03	59.17	-26.91	55.23	-22.96	18.00
		762	0.90	5.74	-6.42	5.74	-6.42	9.10e-03	118.10	-18.75	115.13	-15.78	19.95
		761	0.90	5.74	-6.46	5.74	-6.46	9.10e-03	115.26	-18.31	114.87	-17.93	7.16
747	2	765	0.86	1.12	-9.10	1.12	-9.10	-0.12	84.52	-70.06	65.02	-50.56	51.32
		767	0.91	1.14	-9.01	1.13	-9.01	-0.12	101.81	-73.94	66.46	-38.58	70.45
		763	1.44	10.00	-7.95	9.99	-7.95	-0.12	186.80	-58.64	156.00	-27.84	81.31
		762	1.41	9.98	-8.04	9.98	-8.04	-0.12	172.75	-58.00	154.57	-39.81	62.18
747	10	765	2.18	13.30	-16.80	9.82	-13.32	9.62	347.51	29.02	347.19	29.33	9.99
		767	2.16	13.51	-15.94	9.93	-12.37	9.62	348.72	36.29	348.10	36.90	13.85
		763	2.36	17.01	-15.10	13.81	-11.90	9.62	367.50	37.77	366.19	39.07	20.72
		762	2.38	16.81	-15.98	13.69	-12.86	9.62	366.13	30.65	365.28	31.50	16.85
747	14	765	0.55	0.73	-7.02	0.73	-7.02	-0.02	51.76	-40.84	40.03	-29.11	30.79
		767	0.58	0.74	-6.93	0.74	-6.93	-0.02	62.05	-43.43	40.86	-22.23	42.26
		763	0.90	6.25	-6.26	6.25	-6.26	-0.02	112.85	-34.07	94.57	-15.79	48.50
		762	0.88	6.24	-6.36	6.24	-6.36	-0.02	104.52	-33.45	93.74	-22.67	37.03
747	16	765	0.51	0.67	-7.02	0.67	-7.02	7.24e-03	46.54	-35.69	36.10	-25.26	27.37
		767	0.53	0.68	-6.92	0.68	-6.92	7.24e-03	55.64	-38.13	36.82	-19.30	37.56
		763	0.82	5.69	-6.32	5.69	-6.32	7.24e-03	100.70	-29.73	84.55	-13.57	42.96
		762	0.80	5.67	-6.42	5.67	-6.42	7.24e-03	93.34	-29.05	83.83	-19.53	32.77
748	2	767	0.85	1.18	-9.01	1.17	-9.01	-0.27	64.53	-106.22	4.34	-46.04	81.57
		769	0.87	1.19	-8.94	1.18	-8.93	-0.27	79.69	-103.20	6.29	-29.80	89.65
		641	1.14	9.85	-7.90	9.85	-7.89	-0.27	119.41	-100.55	44.12	-25.26	104.37

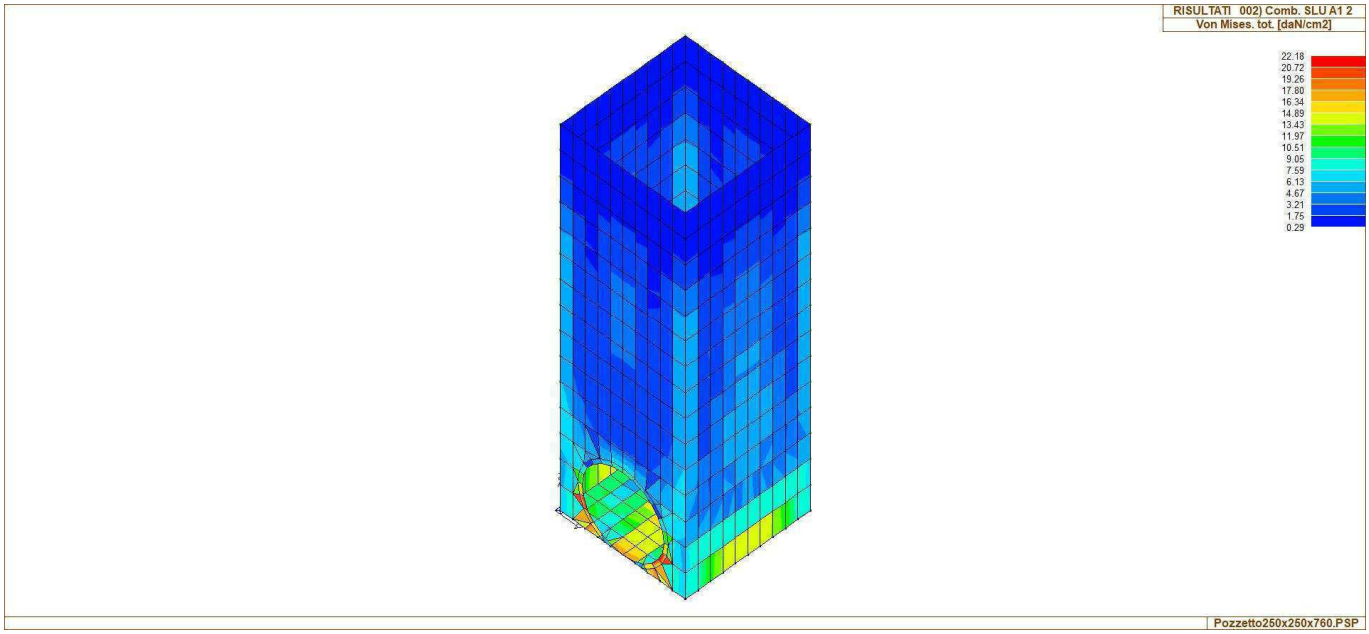
		763	1.13	9.84	-7.97	9.84	-7.97	-0.27	105.32	-104.65	42.17	-41.50	96.29
748	6	767	1.82	13.01	-23.11	-2.09	-8.01	17.81	253.34	-15.46	244.92	-7.04	46.83
		769	1.81	13.56	-22.40	-1.95	-6.89	17.81	257.95	-2.28	246.82	8.85	52.64
		641	2.07	16.53	-20.21	2.66	-6.34	17.81	290.20	-4.05	274.04	12.11	67.04
		763	2.08	16.03	-20.96	2.53	-7.46	17.81	285.11	-16.75	272.13	-3.78	61.23
748	14	767	0.54	0.74	-6.93	0.74	-6.92	-0.10	39.37	-63.07	3.07	-26.77	49.00
		769	0.55	0.75	-6.83	0.75	-6.83	-0.10	48.39	-61.60	4.19	-17.40	53.92
		641	0.71	6.14	-6.18	6.14	-6.18	-0.10	72.14	-59.53	27.25	-14.64	62.41
		763	0.71	6.13	-6.28	6.12	-6.28	-0.10	63.78	-61.65	26.12	-24.00	57.49
748	16	767	0.49	0.68	-6.92	0.68	-6.92	-0.05	35.32	-55.73	2.96	-23.36	43.58
		769	0.50	0.69	-6.81	0.69	-6.81	-0.05	43.30	-54.59	3.93	-15.23	48.00
		641	0.65	5.57	-6.22	5.57	-6.22	-0.05	64.38	-52.51	24.61	-12.75	55.38
		763	0.65	5.56	-6.34	5.56	-6.34	-0.05	56.99	-54.23	23.64	-20.88	50.96
749	2	769	0.87	1.35	-8.94	1.32	-8.92	-0.51	37.81	-141.97	-65.71	-38.44	88.85
		626	0.81	1.34	-9.01	1.31	-8.99	-0.51	36.41	-124.03	-63.94	-23.68	77.65
		653	1.19	9.65	-8.00	9.63	-7.99	-0.51	27.59	-173.94	-116.38	-29.97	91.03
		641	1.24	9.66	-7.93	9.64	-7.92	-0.51	27.18	-190.07	-118.15	-44.74	102.23
749	7	769	2.07	18.39	-17.63	7.26	-6.51	-16.64	-32.92	-290.17	-266.15	-56.94	74.84
		626	2.06	18.38	-17.64	7.26	-6.51	-16.64	-33.17	-288.51	-266.00	-55.68	72.38
		653	2.19	21.65	-16.01	11.63	-5.99	-16.64	-34.78	-299.77	-277.50	-57.06	73.53
		641	2.20	21.65	-16.01	11.63	-5.98	-16.64	-34.57	-301.40	-277.65	-58.32	75.98
749	14	769	0.54	0.82	-6.83	0.81	-6.82	-0.25	22.93	-85.43	-39.82	-22.68	53.50
		626	0.51	0.82	-6.82	0.81	-6.81	-0.25	22.02	-74.93	-38.79	-14.12	46.88
		653	0.74	5.98	-6.19	5.98	-6.19	-0.25	16.69	-104.31	-69.78	-17.84	54.64
		641	0.76	5.98	-6.21	5.98	-6.20	-0.25	16.56	-113.77	-70.81	-26.40	61.26
749	16	769	0.49	0.74	-6.81	0.73	-6.80	-0.19	20.50	-76.07	-35.59	-19.97	47.65
		626	0.46	0.74	-6.77	0.74	-6.77	-0.19	19.66	-66.86	-34.70	-12.50	41.81
		653	0.67	5.42	-6.21	5.41	-6.21	-0.19	14.91	-92.69	-62.00	-15.78	48.58
		641	0.69	5.41	-6.25	5.41	-6.24	-0.19	14.84	-100.99	-62.90	-23.25	54.42
750	2	626	0.91	1.68	-9.01	1.62	-8.95	-0.78	-3.37	-156.96	-128.86	-31.47	59.38
		446	0.78	1.63	-9.37	1.58	-9.32	-0.78	-21.70	-131.58	-128.10	-25.17	19.24
		455	1.84	9.46	-8.41	9.43	-8.38	-0.78	-45.43	-318.34	-316.04	-47.73	24.94
		653	1.90	9.50	-8.04	9.47	-8.01	-0.78	-38.79	-332.04	-316.80	-54.02	65.09
750	8	626	2.61	15.55	-11.93	12.11	-8.49	-9.09	-59.83	-448.27	-443.19	-64.91	44.13
		446	2.56	16.03	-10.14	12.36	-6.47	-9.09	-60.74	-444.96	-442.93	-62.76	27.83
		455	3.00	19.43	-9.26	16.18	-6.01	-9.09	-69.95	-521.20	-519.23	-71.92	29.78
		653	3.05	19.00	-11.09	15.94	-8.03	-9.09	-69.35	-524.20	-519.49	-74.07	46.07
750	14	626	0.57	1.00	-6.81	0.98	-6.79	-0.45	-2.18	-95.62	-78.87	-18.93	35.84
		446	0.50	0.98	-7.02	0.95	-6.99	-0.45	-13.16	-80.55	-78.44	-15.28	11.76
		455	1.13	5.84	-6.43	5.83	-6.41	-0.45	-27.42	-192.57	-191.18	-28.81	15.07
		653	1.17	5.87	-6.22	5.85	-6.20	-0.45	-23.35	-200.73	-191.62	-32.46	39.15
750	16	626	0.53	0.89	-6.77	0.87	-6.75	-0.39	-2.02	-85.73	-70.90	-16.85	31.96
		446	0.46	0.87	-6.95	0.85	-6.93	-0.39	-11.77	-72.41	-70.52	-13.67	10.56
		455	1.03	5.28	-6.41	5.26	-6.40	-0.39	-24.46	-171.96	-170.73	-25.69	13.44
		653	1.06	5.30	-6.24	5.28	-6.22	-0.39	-20.80	-179.19	-171.11	-28.87	34.85
751	1	713	9.64	43.57	-193.19	-45.86	-103.76	-114.78	775.94	125.78	395.73	505.98	320.37
		683	9.64	43.57	-193.19	-45.86	-103.76	-114.78	775.94	125.78	395.73	505.98	320.37
		723	9.64	43.57	-193.19	-45.86	-103.76	-114.78	775.94	125.78	395.73	505.98	320.37
751	8	713	48.71	361.72	-1302.02	262.39	-1202.70	-394.19	1632.03	-144.98	684.29	802.76	886.53
		683	48.71	361.72	-1302.02	262.39	-1202.70	-394.19	1632.03	-144.98	684.29	802.76	886.53
		723	48.71	361.72	-1302.02	262.39	-1202.70	-394.19	1632.03	-144.98	684.29	802.76	886.53
751	13	713	7.42	33.51	-148.61	-35.28	-79.82	-88.29	596.87	96.75	304.41	389.22	246.44
		683	7.42	33.51	-148.61	-35.28	-79.82	-88.29	596.87	96.75	304.41	389.22	246.44
		723	7.42	33.51	-148.61	-35.28	-79.82	-88.29	596.87	96.75	304.41	389.22	246.44
751	15	713	7.42	33.51	-148.61	-35.28	-79.82	-88.29	596.87	96.75	304.41	389.22	246.44
		683	7.42	33.51	-148.61	-35.28	-79.82	-88.29	596.87	96.75	304.41	389.22	246.44
		723	7.42	33.51	-148.61	-35.28	-79.82	-88.29	596.87	96.75	304.41	389.22	246.44
752	2	683	5.12	36.92	-100.87	2.09	-66.04	-59.88	623.98	419.27	421.46	621.79	-21.05
		634	8.13	45.77	-251.65	33.18	-239.06	-59.88	370.06	194.78	361.93	202.91	36.85
		248	8.59	-149.22	-330.03	-171.90	-307.35	-59.88	418.14	71.02	385.23	103.94	-101.69
		723	4.88	27.64	-102.51	-62.90	-11.97	-59.88	788.68	432.86	451.96	769.58	-80.20
752	6	683	47.01	1335.54	-435.20	1271.27	-370.94	331.16	-83.70	-684.69	-103.76	-664.62	-107.96
		634	76.16	1738.00	-1107.49	1698.92	-1068.41	331.16	112.33	-1661.92	-12.15	-1537.43	-453.18
		248	47.65	-208.39	-1578.00	-293.78	-1492.61	331.16	-308.13	-2336.95	-795.24	-1849.84	-866.59
		723	26.61	709.67	-312.61	587.88	-190.83	331.16	-288.46	-435.97	-340.75	-383.69	-70.56
752	13	683	5.07	-13.74	-138.94	-112.45	-40.24	-51.14	505.08	340.49	340.50	505.07	0.78
		634	5.62	-67.99	-174.03	-107.02	-135.00	-51.14	324.54	196.24	293.78	227.00	54.78
		248	6.57	-119.36	-221.95	-174.61	-166.70	-51.14	343.13	158.73	337.02	164.84	-33.02
		723	5.31	9.35	-150.40	-131.88	-9.17	-51.14	612.05	362.82	370.78	604.08	-43.84
752	15	683	5.07	-13.74	-138.94	-112.45	-40.24	-51.14	505.08	340.49	340.50	505.07	0.78
		634	5.62	-67.99	-174.03	-107.02	-135.00	-51.14	324.54	196.24	293.78	227.00	54.78
		248	6.57	-119.36	-221.95	-174.61	-166.70	-51.14	343.13	158.73	337.02	164.84	-33.02
		723	5.31	9.35	-150.40	-131.88	-9.17	-51.14	612.05	362.82	370.78	604.08	-43.84
753	4	421	4.55	26.58	-16.27	26.45	-16.13	2.40	-64.61	-758.53	-757.78	-65.36	-22.81
		657	4.63	26.36	-18.10	26.23	-17.97	2.40	-49.35	-761.78	-756.50	-54.63	-61.12
		670	5.63	33.83	-17.19	33.72	-17.07	2.40	-73.09	-938.93	-935.86	-76.16	-51.40
		449	5.57	34.06	-15.35	33.94	-15.23	2.40	-86.68	-937.35	-937.15	-86.88	-13.09

753	6	421	4.95	31.83	-51.15	22.79	-42.11	25.85	-52.74	-718.00	-716.48	-54.26	-31.77
		657	5.04	31.33	-53.26	22.51	-44.44	25.85	-41.62	-718.02	-715.29	-44.35	-42.87
		670	5.33	34.83	-52.46	26.35	-43.98	25.85	-48.99	-768.86	-767.26	-50.59	-33.88
		449	5.24	35.31	-50.33	26.63	-41.65	25.85	-59.77	-769.18	-768.45	-60.50	-22.78
753	14	421	2.76	16.08	-15.81	16.01	-15.74	1.49	-26.58	-434.77	-434.41	-26.94	-12.24
		657	2.83	15.80	-18.09	15.74	-18.02	1.49	-14.60	-434.76	-433.12	-16.24	-26.18
		670	3.21	19.43	-17.64	19.37	-17.58	1.49	-23.49	-498.93	-498.35	-24.06	-16.47
		449	3.15	19.71	-15.37	19.65	-15.31	1.49	-34.76	-499.65	-499.64	-34.77	-2.54
753	16	421	2.47	14.33	-15.74	14.27	-15.68	1.34	-20.24	-380.82	-380.51	-20.54	-10.48
		657	2.53	14.04	-18.08	13.99	-18.03	1.34	-8.72	-380.34	-379.23	-9.84	-20.35
		670	2.81	17.03	-17.72	16.98	-17.67	1.34	-15.10	-425.71	-425.44	-15.38	-10.65
		449	2.75	17.32	-15.37	17.27	-15.32	1.34	-26.08	-426.72	-426.72	-26.09	-0.78
754	2	657	2.45	25.85	-23.53	25.77	-23.45	1.93	40.51	-249.65	-228.42	19.28	-75.56
		614	2.57	25.69	-24.78	25.62	-24.70	1.93	70.08	-249.18	-225.20	46.10	-84.14
		680	2.82	31.68	-24.05	31.61	-23.99	1.93	52.54	-276.65	-265.39	41.28	-59.83
		670	2.71	31.83	-22.80	31.76	-22.74	1.93	23.44	-277.61	-268.61	14.45	-51.25
754	6	657	3.67	34.15	-57.63	21.12	-44.60	32.04	17.10	-321.36	-308.70	4.44	-64.21
		614	3.71	34.36	-56.89	21.23	-43.75	32.04	35.88	-319.37	-306.48	22.98	-66.44
		680	3.72	36.48	-56.30	23.64	-43.46	32.04	28.86	-324.02	-316.90	21.73	-49.63
		670	3.67	36.27	-57.05	23.54	-44.31	32.04	10.02	-325.95	-319.12	3.19	-47.41
754	14	657	1.53	15.52	-18.09	15.48	-18.05	1.15	29.20	-138.13	-129.17	20.24	-37.67
		614	1.62	15.38	-19.23	15.34	-19.19	1.15	50.09	-136.13	-126.71	40.67	-40.80
		680	1.72	18.41	-18.87	18.37	-18.83	1.15	41.62	-144.11	-141.40	38.91	-22.28
		670	1.63	18.54	-17.72	18.51	-17.69	1.15	20.70	-146.08	-143.85	18.48	-19.14
754	16	657	1.39	13.80	-18.09	13.77	-18.06	1.02	28.66	-117.12	-110.83	22.37	-29.61
		614	1.49	13.65	-19.30	13.62	-19.27	1.02	48.98	-114.65	-108.39	42.73	-31.38
		680	1.55	16.06	-19.01	16.03	-18.98	1.02	42.78	-117.72	-116.67	41.73	-12.93
		670	1.46	16.20	-17.80	16.17	-17.77	1.02	22.26	-120.00	-119.12	21.38	-11.16
755	4	614	1.67	25.18	-18.86	25.13	-18.81	1.51	209.73	0.62	137.14	73.21	-99.55
		615	1.61	25.16	-19.06	25.10	-19.01	1.51	212.43	20.62	139.57	93.48	-93.10
		690	1.83	31.22	-18.32	31.17	-18.28	1.51	216.53	50.36	169.79	97.11	-74.72
		680	1.89	31.24	-18.13	31.19	-18.08	1.51	215.03	29.16	167.35	76.83	-81.17
755	8	614	3.55	41.47	-47.97	7.77	-14.27	-43.34	429.03	76.03	412.73	92.33	-74.07
		615	3.45	38.68	-52.29	7.01	-20.62	-43.34	424.50	101.51	414.98	111.03	-54.63
		690	3.54	35.27	-54.47	2.02	-21.22	-43.34	509.69	118.29	506.02	121.95	-37.68
		680	3.63	38.18	-50.28	2.78	-14.87	-43.34	511.77	95.26	503.78	103.25	-57.13
755	14	614	1.03	15.01	-19.26	14.99	-19.24	0.88	118.31	33.94	86.05	66.20	-41.00
		615	1.05	14.95	-19.80	14.92	-19.78	0.88	125.66	49.31	88.48	86.49	-38.17
		690	1.07	17.42	-19.51	17.40	-19.48	0.88	115.85	73.98	101.75	88.08	-19.78
		680	1.11	17.49	-18.96	17.47	-18.94	0.88	111.12	55.99	99.32	67.80	-22.62
755	15	614	0.91	-0.22	-19.88	-0.22	-19.88	-0.06	84.79	-19.67	9.42	55.70	46.82
		615	1.01	-0.35	-20.95	-0.35	-20.95	-0.06	98.55	-10.71	11.85	75.99	44.23
		690	1.07	-3.25	-21.30	-3.25	-21.30	-0.06	110.06	-35.83	-0.30	74.53	62.62
		680	0.98	-3.13	-20.23	-3.13	-20.23	-0.06	96.92	-45.41	-2.74	54.24	65.21
756	4	615	2.62	24.70	-19.08	24.68	-19.06	0.97	404.13	100.82	382.34	122.62	-78.33
		619	2.57	24.70	-19.08	24.67	-19.06	0.97	398.15	122.47	384.02	136.60	-60.80
		700	3.08	30.24	-18.42	30.22	-18.40	0.97	473.19	139.36	466.10	146.45	-48.12
		690	3.12	30.24	-18.41	30.22	-18.39	0.97	476.93	119.95	464.42	132.47	-65.66
756	8	615	3.66	41.46	-52.35	9.44	-20.33	-44.48	493.35	116.54	489.87	120.01	-36.02
		619	3.59	38.94	-56.72	8.70	-26.48	-44.48	492.97	135.46	491.86	136.57	-19.91
		700	3.69	35.81	-58.50	4.31	-27.00	-44.48	567.36	145.57	567.30	145.63	-4.90
		690	3.75	38.43	-54.23	5.05	-20.85	-44.48	566.32	128.06	565.32	129.07	-21.01
756	14	615	1.56	14.63	-19.83	14.62	-19.82	0.57	230.66	95.15	223.16	102.65	-30.97
		619	1.53	14.60	-20.06	14.60	-20.05	0.57	230.28	111.38	224.86	116.80	-24.80
		700	1.71	16.68	-19.81	16.67	-19.80	0.57	254.80	119.20	253.73	120.27	-11.97
		690	1.74	16.70	-19.58	16.70	-19.57	0.57	254.25	103.89	252.03	106.11	-18.14
756	16	615	1.39	12.96	-19.95	12.95	-19.94	0.50	201.83	94.12	196.64	99.32	-23.08
		619	1.36	12.92	-20.22	12.92	-20.22	0.50	202.32	109.52	198.34	113.50	-18.80
		700	1.48	14.42	-20.04	14.41	-20.04	0.50	218.68	115.56	218.34	115.90	-5.95
		690	1.51	14.45	-19.77	14.44	-19.77	0.50	217.54	100.82	216.64	101.72	-10.22
757	4	619	3.09	24.44	-19.09	24.44	-19.09	0.34	507.33	147.20	503.58	150.95	-36.54
		620	3.07	24.44	-19.08	24.44	-19.07	0.34	504.71	155.35	504.17	155.89	-13.66
		711	3.70	29.71	-18.44	29.71	-18.44	0.34	611.48	168.55	611.29	168.74	-9.18
		700	3.72	29.71	-18.46	29.71	-18.46	0.34	612.99	161.52	610.70	163.80	-32.06
757	8	619	3.53	41.12	-55.66	11.59	-26.13	-44.56	482.56	135.44	482.55	135.46	-2.10
		620	3.50	38.87	-60.06	10.88	-32.07	-44.56	483.99	144.29	483.65	144.63	10.80
		711	3.61	36.33	-61.34	7.47	-32.48	-44.56	544.96	150.95	544.03	151.88	19.12
		700	3.63	38.64	-57.00	8.18	-26.54	-44.56	543.03	142.61	542.93	142.70	6.22
757	14	619	1.82	14.43	-20.07	14.43	-20.07	0.20	291.28	123.50	290.14	124.64	-13.78
		620	1.81	14.42	-20.13	14.42	-20.13	0.20	290.98	129.43	290.75	129.66	-6.10
		711	2.02	16.28	-19.91	16.28	-19.91	0.20	326.72	133.97	326.71	133.98	-1.55
		700	2.03	16.29	-19.85	16.29	-19.85	0.20	326.54	128.52	326.11	128.95	-9.23
757	16	619	1.61	12.76	-20.24	12.76	-20.23	0.17	255.31	119.51	254.57	120.25	-9.99
		620	1.60	12.75	-20.31	12.75	-20.31	0.17	255.36	125.11	255.18	125.29	-4.84
		711	1.74	14.04	-20.16	14.04	-20.16	0.17	279.28	128.18	279.28	128.18	-0.27
		700	1.75	14.05	-20.08	14.05	-20.08	0.17	278.86	122.96	278.68	123.14	-5.42
758	4	620	3.07	24.44	-19.08	24.44	-19.07	-0.34	504.71	155.35	504.17	155.89	13.66

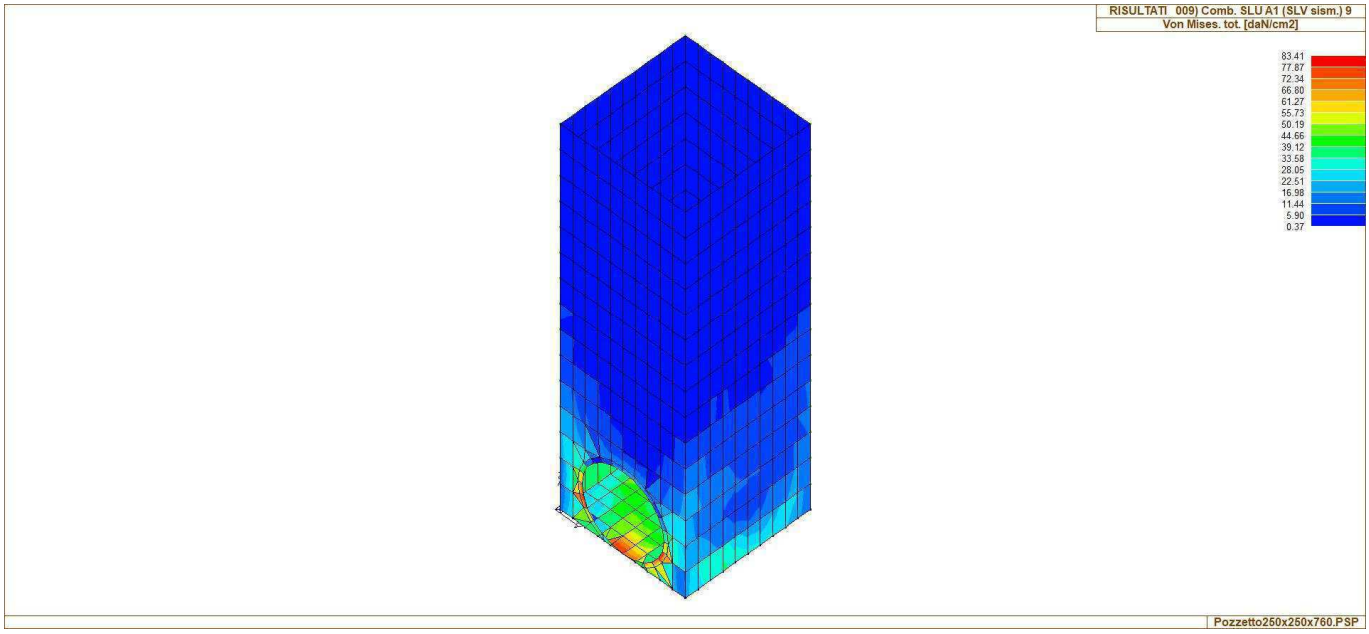
		624	3.09	24.44	-19.09	24.44	-19.09	-0.34	507.33	147.20	503.58	150.95	36.54
		721	3.72	29.71	-18.46	29.71	-18.46	-0.34	612.99	161.52	610.70	163.80	32.06
		711	3.70	29.71	-18.44	29.71	-18.44	-0.34	611.48	168.55	611.29	168.74	9.18
758	6	620	3.50	38.87	-60.06	10.88	-32.07	44.56	483.99	144.29	483.65	144.63	-10.80
		624	3.53	41.12	-55.66	11.59	-26.13	44.56	482.56	135.44	482.55	135.46	2.10
		721	3.63	38.64	-57.00	8.18	-26.54	44.56	543.03	142.61	542.93	142.70	-6.22
		711	3.61	36.33	-61.34	7.47	-32.48	44.56	544.96	150.95	544.03	151.88	-19.12
758	14	620	1.81	14.42	-20.13	14.42	-20.13	-0.20	290.98	129.43	290.75	129.66	6.10
		624	1.82	14.43	-20.07	14.43	-20.07	-0.20	291.28	123.50	290.14	124.64	13.78
		721	2.03	16.29	-19.85	16.29	-19.85	-0.20	326.54	128.52	326.11	128.95	9.23
		711	2.02	16.28	-19.91	16.28	-19.91	-0.20	326.72	133.97	326.71	133.98	1.55
758	16	620	1.60	12.75	-20.31	12.75	-20.31	-0.17	255.36	125.11	255.18	125.29	4.84
		624	1.61	12.76	-20.24	12.76	-20.23	-0.17	255.31	119.51	254.57	120.25	9.99
		721	1.75	14.05	-20.08	14.05	-20.08	-0.17	278.86	122.96	278.68	123.14	5.42
		711	1.74	14.04	-20.16	14.04	-20.16	-0.17	279.28	128.18	279.28	128.18	0.27
759	4	624	2.57	24.70	-19.08	24.67	-19.06	-0.97	398.15	122.47	384.02	136.60	60.80
		628	2.62	24.70	-19.08	24.68	-19.06	-0.97	404.13	100.82	382.34	122.62	78.33
		732	3.12	30.24	-18.41	30.22	-18.39	-0.97	476.93	119.95	464.42	132.47	65.66
		721	3.08	30.24	-18.42	30.22	-18.40	-0.97	473.19	139.36	466.10	146.45	48.12
759	6	624	3.59	38.94	-56.72	8.70	-26.48	44.48	492.97	135.46	491.86	136.57	19.91
		628	3.66	41.46	-52.35	9.44	-20.33	44.48	493.35	116.54	489.87	120.01	36.02
		732	3.75	38.43	-54.23	5.05	-20.85	44.48	566.32	128.06	565.32	129.07	21.01
		721	3.69	35.81	-58.50	4.31	-27.00	44.48	567.36	145.57	567.30	145.63	4.90
759	14	624	1.53	14.60	-20.06	14.60	-20.05	-0.57	230.28	111.38	224.86	116.80	24.80
		628	1.56	14.63	-19.83	14.62	-19.82	-0.57	230.66	95.15	223.16	102.65	30.97
		732	1.74	16.70	-19.58	16.70	-19.57	-0.57	254.25	103.89	252.03	106.11	18.14
		721	1.71	16.68	-19.81	16.67	-19.80	-0.57	254.80	119.20	253.73	120.27	11.97
759	16	624	1.36	12.92	-20.22	12.92	-20.22	-0.50	202.32	109.52	198.34	113.50	18.80
		628	1.39	12.96	-19.95	12.95	-19.94	-0.50	201.83	94.12	196.64	99.32	23.08
		732	1.51	14.45	-19.77	14.44	-19.77	-0.50	217.54	100.82	216.64	101.72	10.22
		721	1.48	14.42	-20.04	14.41	-20.04	-0.50	218.68	115.56	218.34	115.90	5.95
760	4	628	1.61	25.16	-19.06	25.10	-19.01	-1.51	212.43	20.62	139.57	93.48	93.10
		631	1.67	25.18	-18.86	25.13	-18.81	-1.51	209.73	0.62	137.14	73.21	99.55
		743	1.89	31.24	-18.13	31.19	-18.08	-1.51	215.03	29.16	167.35	76.83	81.17
		732	1.83	31.22	-18.32	31.17	-18.28	-1.51	216.53	50.36	169.79	97.11	74.72
760	6	628	3.45	38.68	-52.29	7.01	-20.62	43.34	424.50	101.51	414.98	111.03	54.63
		631	3.55	41.47	-47.97	7.77	-14.27	43.34	429.03	76.03	412.73	92.33	74.07
		743	3.63	38.18	-50.28	2.78	-14.87	43.34	511.77	95.26	503.78	103.25	57.13
		732	3.54	35.27	-54.47	2.02	-21.22	43.34	509.69	118.29	506.02	121.95	37.68
760	14	628	1.05	14.95	-19.80	14.92	-19.78	-0.88	125.66	49.31	88.48	86.49	38.17
		631	1.03	15.01	-19.26	14.99	-19.24	-0.88	118.31	33.94	86.05	66.20	41.00
		743	1.11	17.49	-18.96	17.47	-18.94	-0.88	111.12	55.99	99.32	67.80	22.62
		732	1.07	17.42	-19.51	17.40	-19.48	-0.88	115.85	73.98	101.75	88.08	19.78
760	15	628	1.01	-0.35	-20.95	-0.35	-20.95	0.06	98.55	-10.71	11.85	75.99	-44.23
		631	0.91	-0.22	-19.88	-0.22	-19.88	0.06	84.79	-19.67	9.42	55.70	-46.82
		743	0.98	-3.13	-20.23	-3.13	-20.23	0.06	96.92	-45.41	-2.74	54.24	-65.21
		732	1.07	-3.25	-21.30	-3.25	-21.30	0.06	110.06	-35.83	-0.30	74.53	-62.62
761	2	236	8.83	11.20	-45.41	4.01	-38.22	18.85	1729.51	188.44	1241.96	676.00	-716.69
		247	8.83	11.20	-45.41	4.01	-38.22	18.85	1729.51	188.44	1241.96	676.00	-716.69
		723	8.83	11.20	-45.41	4.01	-38.22	18.85	1729.51	188.44	1241.96	676.00	-716.69
761	6	236	57.88	86.98	-245.19	-244.54	86.33	14.68	1.154e+04	931.24	7066.38	5408.22	-5240.89
		247	57.88	86.98	-245.19	-244.54	86.33	14.68	1.154e+04	931.24	7066.38	5408.22	-5240.89
		723	57.88	86.98	-245.19	-244.54	86.33	14.68	1.154e+04	931.24	7066.38	5408.22	-5240.89
761	14	236	6.60	5.14	-45.38	-4.18	-36.06	19.60	1222.68	131.23	892.36	461.54	-501.41
		247	6.60	5.14	-45.38	-4.18	-36.06	19.60	1222.68	131.23	892.36	461.54	-501.41
		723	6.60	5.14	-45.38	-4.18	-36.06	19.60	1222.68	131.23	892.36	461.54	-501.41
761	16	236	6.52	3.91	-49.64	-7.05	-38.68	21.61	1180.39	125.67	867.55	438.51	-481.76
		247	6.52	3.91	-49.64	-7.05	-38.68	21.61	1180.39	125.67	867.55	438.51	-481.76
		723	6.52	3.91	-49.64	-7.05	-38.68	21.61	1180.39	125.67	867.55	438.51	-481.76
762	2	268	8.83	11.20	-45.41	-45.36	11.15	-1.71	1729.51	188.45	1268.25	649.70	-705.74
		279	8.83	11.20	-45.41	-45.36	11.15	-1.71	1729.51	188.45	1268.25	649.70	-705.74
		625	8.83	11.20	-45.41	-45.36	11.15	-1.71	1729.51	188.45	1268.25	649.70	-705.74
762	8	268	57.88	86.98	-245.19	27.02	-185.23	127.75	1.154e+04	931.25	9372.66	3101.94	-4280.63
		279	57.88	86.98	-245.19	27.02	-185.23	127.75	1.154e+04	931.25	9372.66	3101.94	-4280.63
		625	57.88	86.98	-245.19	27.02	-185.23	127.75	1.154e+04	931.25	9372.66	3101.94	-4280.63
762	14	268	6.60	5.14	-45.38	-45.26	5.01	2.50	1222.68	131.23	881.05	472.86	-506.12
		279	6.60	5.14	-45.38	-45.26	5.01	2.50	1222.68	131.23	881.05	472.86	-506.12
		625	6.60	5.14	-45.38	-45.26	5.01	2.50	1222.68	131.23	881.05	472.86	-506.12
762	16	268	6.52	3.91	-49.64	-49.34	3.61	4.00	1180.39	125.67	843.81	462.26	-491.64
		279	6.52	3.91	-49.64	-49.34	3.61	4.00	1180.39	125.67	843.81	462.26	-491.64
		625	6.52	3.91	-49.64	-49.34	3.61	4.00	1180.39	125.67	843.81	462.26	-491.64
763	2	237	8.05	6.85	-78.47	-58.72	-12.90	-35.98	1369.01	-220.99	-94.48	1242.49	430.29
		236	8.05	6.85	-78.47	-58.72	-12.90	-35.98	1369.01	-220.99	-94.48	1242.49	430.29
		723	8.05	6.85	-78.47	-58.72	-12.90	-35.98	1369.01	-220.99	-94.48	1242.49	430.29
763	6	237	64.81	19.54	-353.84	8.67	-342.97	-62.77	1.228e+04	1267.46	5345.70	8203.33	5318.47
		236	64.81	19.54	-353.84	8.67	-342.97	-62.77	1.228e+04	1267.46	5345.70	8203.33	5318.47
		723	64.81	19.54	-353.84	8.67	-342.97	-62.77	1.228e+04	1267.46	5345.70	8203.33	5318.47

763	14	237	5.99	2.36	-69.20	-50.50	-16.33	-31.44	965.76	-197.09	-121.59	890.25	286.53
		236	5.99	2.36	-69.20	-50.50	-16.33	-31.44	965.76	-197.09	-121.59	890.25	286.53
		723	5.99	2.36	-69.20	-50.50	-16.33	-31.44	965.76	-197.09	-121.59	890.25	286.53
763	16	237	5.90	1.26	-72.72	-52.60	-18.86	-32.92	931.90	-208.32	-140.86	864.44	269.02
		236	5.90	1.26	-72.72	-52.60	-18.86	-32.92	931.90	-208.32	-140.86	864.44	269.02
		723	5.90	1.26	-72.72	-52.60	-18.86	-32.92	931.90	-208.32	-140.86	864.44	269.02
764	2	723	13.19	7.22	-82.59	-63.30	-12.07	-36.89	2297.07	97.79	1187.04	1207.82	1099.59
		247	13.19	7.22	-82.59	-63.30	-12.07	-36.89	2297.07	97.79	1187.04	1207.82	1099.59
		248	13.19	7.22	-82.59	-63.30	-12.07	-36.89	2297.07	97.79	1187.04	1207.82	1099.59
764	10	723	71.56	-18.31	-610.78	-336.34	-292.75	-295.43	1.193e+04	1246.41	9586.92	3588.06	4419.34
		247	71.56	-18.31	-610.78	-336.34	-292.75	-295.43	1.193e+04	1246.41	9586.92	3588.06	4419.34
		248	71.56	-18.31	-610.78	-336.34	-292.75	-295.43	1.193e+04	1246.41	9586.92	3588.06	4419.34
764	14	723	9.83	4.29	-75.62	-57.34	-13.99	-33.57	1637.80	71.21	825.88	883.13	782.77
		247	9.83	4.29	-75.62	-57.34	-13.99	-33.57	1637.80	71.21	825.88	883.13	782.77
		248	9.83	4.29	-75.62	-57.34	-13.99	-33.57	1637.80	71.21	825.88	883.13	782.77
764	16	723	9.71	3.81	-80.39	-60.75	-15.84	-35.61	1587.08	69.46	791.52	865.02	757.92
		247	9.71	3.81	-80.39	-60.75	-15.84	-35.61	1587.08	69.46	791.52	865.02	757.92
		248	9.71	3.81	-80.39	-60.75	-15.84	-35.61	1587.08	69.46	791.52	865.02	757.92
765	2	635	6.89	-97.54	-249.12	-99.35	-247.31	-16.45	380.44	-268.85	186.07	-74.48	297.36
		745	6.89	-97.54	-249.12	-99.35	-247.31	-16.45	380.44	-268.85	186.07	-74.48	297.36
		744	6.89	-97.54	-249.12	-99.35	-247.31	-16.45	380.44	-268.85	186.07	-74.48	297.36
765	12	635	33.80	-451.76	-1212.30	-492.61	-1171.45	-171.46	846.77	226.16	372.98	699.95	263.74
		745	33.80	-451.76	-1212.30	-492.61	-1171.45	-171.46	846.77	226.16	372.98	699.95	263.74
		744	33.80	-451.76	-1212.30	-492.61	-1171.45	-171.46	846.77	226.16	372.98	699.95	263.74
765	14	635	4.98	-65.32	-180.27	-66.52	-179.07	-11.67	315.89	-159.49	182.33	-25.93	213.67
		745	4.98	-65.32	-180.27	-66.52	-179.07	-11.67	315.89	-159.49	182.33	-25.93	213.67
		744	4.98	-65.32	-180.27	-66.52	-179.07	-11.67	315.89	-159.49	182.33	-25.93	213.67
765	16	635	4.86	-61.49	-175.80	-62.62	-174.68	-11.28	325.17	-140.97	197.77	-13.58	207.73
		745	4.86	-61.49	-175.80	-62.62	-174.68	-11.28	325.17	-140.97	197.77	-13.58	207.73
		744	4.86	-61.49	-175.80	-62.62	-174.68	-11.28	325.17	-140.97	197.77	-13.58	207.73
766	2	654	6.89	-97.54	-249.12	-241.27	-105.39	33.59	380.44	-268.85	140.82	-29.23	313.31
		681	6.89	-97.54	-249.12	-241.27	-105.39	33.59	380.44	-268.85	140.82	-29.23	313.31
		652	6.89	-97.54	-249.12	-241.27	-105.39	33.59	380.44	-268.85	140.82	-29.23	313.31
766	10	654	33.80	-451.76	-1212.30	-1203.94	-460.12	79.33	846.77	226.16	829.21	243.72	102.89
		681	33.80	-451.76	-1212.30	-1203.94	-460.12	79.33	846.77	226.16	829.21	243.72	102.89
		652	33.80	-451.76	-1212.30	-1203.94	-460.12	79.33	846.77	226.16	829.21	243.72	102.89
766	14	654	4.98	-65.32	-180.27	-173.95	-71.65	26.21	315.89	-159.49	131.10	25.30	231.73
		681	4.98	-65.32	-180.27	-173.95	-71.65	26.21	315.89	-159.49	131.10	25.30	231.73
		652	4.98	-65.32	-180.27	-173.95	-71.65	26.21	315.89	-159.49	131.10	25.30	231.73
766	16	654	4.86	-61.49	-175.80	-169.36	-67.93	26.36	325.17	-140.97	140.08	44.12	228.08
		681	4.86	-61.49	-175.80	-169.36	-67.93	26.36	325.17	-140.97	140.08	44.12	228.08
		652	4.86	-61.49	-175.80	-169.36	-67.93	26.36	325.17	-140.97	140.08	44.12	228.08
767	2	317	6.89	-97.54	-249.12	-241.27	-105.39	33.59	268.85	-380.44	-140.82	29.23	-313.31
		344	6.89	-97.54	-249.12	-241.27	-105.39	33.59	268.85	-380.44	-140.82	29.23	-313.31
		315	6.89	-97.54	-249.12	-241.27	-105.39	33.59	268.85	-380.44	-140.82	29.23	-313.31
767	9	317	33.80	-451.76	-1212.30	-1203.94	-460.12	79.33	-226.16	-846.77	-829.21	-243.72	-102.89
		344	33.80	-451.76	-1212.30	-1203.94	-460.12	79.33	-226.16	-846.77	-829.21	-243.72	-102.89
		315	33.80	-451.76	-1212.30	-1203.94	-460.12	79.33	-226.16	-846.77	-829.21	-243.72	-102.89
767	14	317	4.98	-65.32	-180.27	-173.95	-71.65	26.21	159.49	-315.89	-131.10	-25.30	-231.73
		344	4.98	-65.32	-180.27	-173.95	-71.65	26.21	159.49	-315.89	-131.10	-25.30	-231.73
		315	4.98	-65.32	-180.27	-173.95	-71.65	26.21	159.49	-315.89	-131.10	-25.30	-231.73
767	16	317	4.86	-61.49	-175.80	-169.36	-67.93	26.36	140.97	-325.17	-140.08	-44.12	-228.08
		344	4.86	-61.49	-175.80	-169.36	-67.93	26.36	140.97	-325.17	-140.08	-44.12	-228.08
		315	4.86	-61.49	-175.80	-169.36	-67.93	26.36	140.97	-325.17	-140.08	-44.12	-228.08
768	2	188	6.89	-97.54	-249.12	-99.35	-247.31	-16.45	268.85	-380.44	-186.07	74.48	-297.36
		408	6.89	-97.54	-249.12	-99.35	-247.31	-16.45	268.85	-380.44	-186.07	74.48	-297.36
		407	6.89	-97.54	-249.12	-99.35	-247.31	-16.45	268.85	-380.44	-186.07	74.48	-297.36
768	11	188	33.80	-451.76	-1212.30	-492.61	-1171.45	-171.46	-226.16	-846.77	-372.98	-699.95	-263.74
		408	33.80	-451.76	-1212.30	-492.61	-1171.45	-171.46	-226.16	-846.77	-372.98	-699.95	-263.74
		407	33.80	-451.76	-1212.30	-492.61	-1171.45	-171.46	-226.16	-846.77	-372.98	-699.95	-263.74
768	14	188	4.98	-65.32	-180.27	-66.52	-179.07	-11.67	159.49	-315.89	-182.33	25.93	-213.67
		408	4.98	-65.32	-180.27	-66.52	-179.07	-11.67	159.49	-315.89	-182.33	25.93	-213.67
		407	4.98	-65.32	-180.27	-66.52	-179.07	-11.67	159.49	-315.89	-182.33	25.93	-213.67
768	16	188	4.86	-61.49	-175.80	-62.62	-174.68	-11.28	140.97	-325.17	-197.77	13.58	-207.73
		408	4.86	-61.49	-175.80	-62.62	-174.68	-11.28	140.97	-325.17	-197.77	13.58	-207.73
		407	4.86	-61.49	-175.80	-62.62	-174.68	-11.28	140.97	-325.17	-197.77	13.58	-207.73

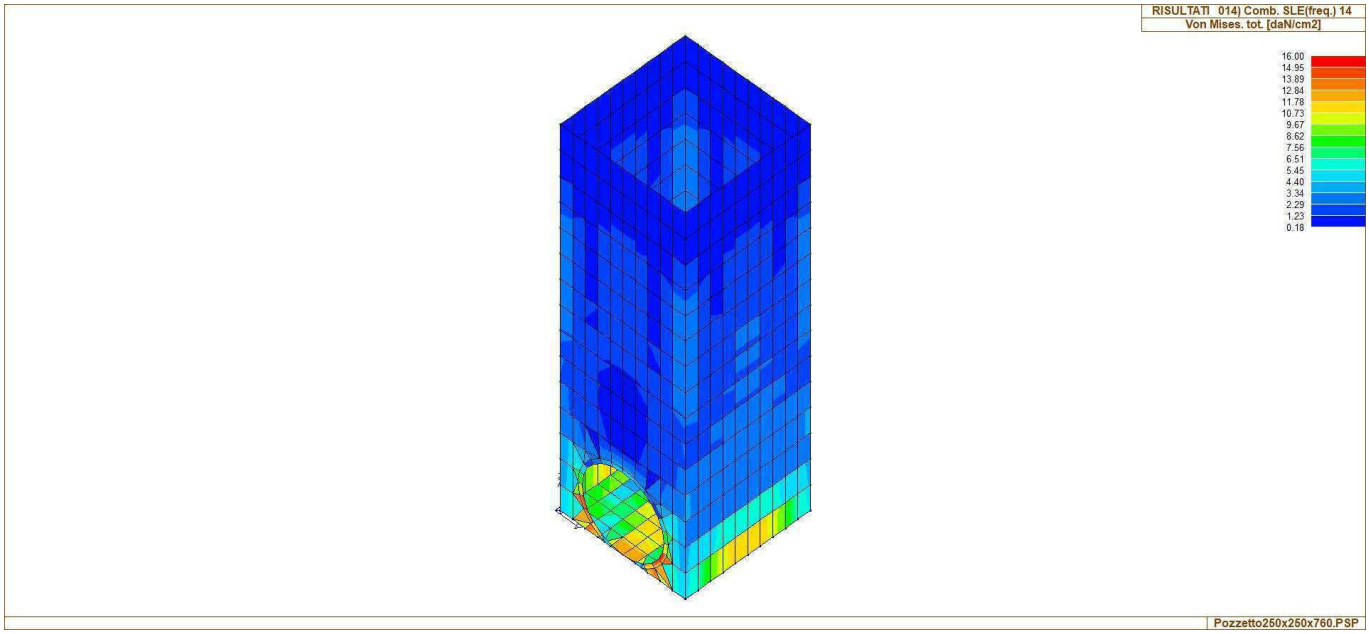
Elem.	**Von Mises**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			-2578.18	-2573.27	-2557.66	-760.68		-9648.64	-9208.14	-5060.58	-5318.47
	83.41	1738.00		1698.92	853.53	1058.90	1.271e+04		1.252e+04	1.180e+04	5318.47



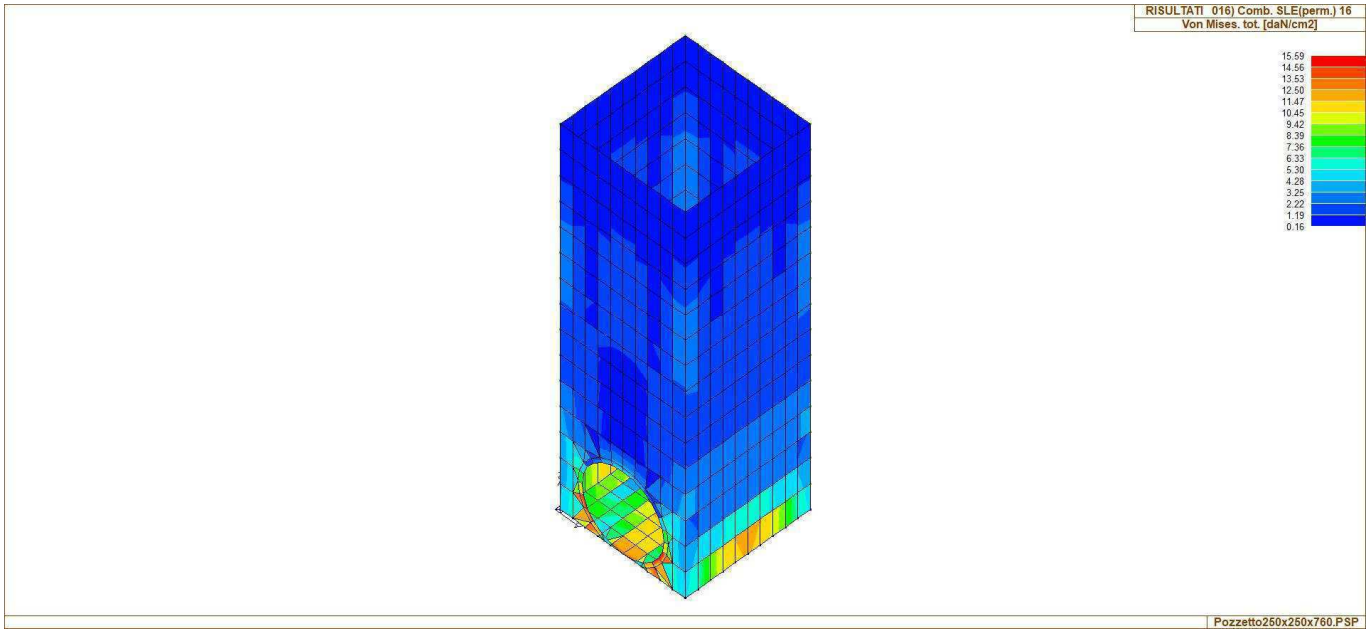
44_RIS_VONMISES_002_Comb. SLU A1 2



44_RIS_VONMISES_009_Comb. SLU A1 (SLV sism.) 9



44_RIS_VONMISES_014_Comb. SLE(freq.) 14



44_RIS_VONMISES_016_Comb. SLE(perm.) 16

VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

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 "*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 "*Parete Sismica o 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

Per le verifiche degli elementi con progettazione "*Singolo Elemento …*" e *Progettazione Composta* 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

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 le sollecitazioni delle combinazioni con sisma 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 vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.
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			
1	35.00	1	2	Singolo elemento

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
73	ok	0.15	0.5	6.81e-02	13.4	13.4	8.0	8.0	-262.4	33.7	-137.1	-2843.9	-198.5	512.2
74	ok	0.15	0.4	6.65e-02	13.4	13.4	8.0	8.0	-266.4	0.3	-180.8	-2876.9	-473.9	221.1
75	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-333.4	-50.1	141.2	1142.1	-268.3	-340.4
76	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-328.1	-6.3	140.6	1189.5	126.7	-70.0
77	ok	0.15	0.3	6.42e-02	13.4	13.4	8.0	8.0	-353.9	-0.2	54.1	590.5	403.9	-86.7
78	ok	0.15	0.2	5.06e-02	13.4	13.4	8.0	8.0	-279.1	3.4	31.1	318.6	457.2	-21.5
79	ok	0.15	0.2	3.72e-02	13.4	13.4	8.0	8.0	-202.4	9.6	26.5	135.6	536.7	-12.0
80	ok	0.15	0.1	2.68e-02	13.4	13.4	8.0	8.0	-102.8	20.7	-27.5	64.0	653.1	-33.4
81	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-102.8	20.7	-27.5	72.5	723.7	-32.1
82	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-73.8	22.7	-23.0	38.5	736.3	-20.1
83	ok	0.15	0.6	8.79e-02	13.4	13.4	8.0	8.0	-343.1	82.5	77.3	-2730.8	-375.7	542.5
84	ok	0.15	0.4	7.32e-02	13.4	13.4	8.0	8.0	-384.8	69.4	-83.8	-2477.2	177.4	134.4

85	ok	0.15	0.4	5.69e-02	13.4	13.4	8.0	8.0	-306.0	28.6	-98.8	-2140.7	-114.6	-473.8
86	ok	0.15	0.3	5.56e-02	13.4	13.4	8.0	8.0	-210.7	-30.8	141.2	944.0	35.7	-195.8
87	ok	0.15	0.2	5.30e-02	13.4	13.4	8.0	8.0	-273.3	-6.9	84.7	410.4	154.3	-177.0
88	ok	0.15	0.2	4.52e-02	13.4	13.4	8.0	8.0	-228.0	3.3	69.8	259.5	245.4	-49.9
89	ok	0.15	0.2	3.56e-02	13.4	13.4	8.0	8.0	-175.4	10.9	58.1	98.1	267.8	-19.2
90	ok	0.15	0.1	2.69e-02	13.4	13.4	8.0	8.0	-129.2	16.8	49.7	20.9	286.4	-9.6
91	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-66.9	24.7	35.6	-35.9	299.6	22.9
92	ok	0.15	0.1	1.47e-02	13.4	13.4	8.0	8.0	-46.7	26.4	28.5	-24.4	307.8	56.5
93	ok	0.15	0.5	9.52e-02	13.4	13.4	8.0	8.0	-556.0	-6.1	-30.0	-3190.4	-105.5	336.4
94	ok	0.15	0.4	8.01e-02	13.4	13.4	8.0	8.0	-456.9	60.7	-83.8	-2244.4	205.4	91.6
95	ok	0.15	0.4	6.28e-02	13.4	13.4	8.0	8.0	-355.3	49.6	-73.4	-1842.7	99.5	-363.2
96	ok	0.15	0.3	4.91e-02	13.4	13.4	8.0	8.0	-210.1	39.3	-86.3	-1270.7	-57.0	-114.6
97	ok	0.15	0.2	4.51e-02	13.4	13.4	8.0	8.0	-211.1	-20.6	111.2	200.1	-163.8	-268.8
98	ok	0.15	0.2	4.02e-02	13.4	13.4	8.0	8.0	-179.9	-11.3	108.9	149.7	-147.9	-78.2
99	ok	0.15	0.2	3.33e-02	13.4	13.4	8.0	8.0	-111.6	2.5	80.2	-42.1	-196.5	-3.2
100	ok	0.15	0.1	2.61e-02	13.4	13.4	8.0	8.0	-84.1	10.3	64.7	-90.1	-244.7	8.9
101	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-62.5	16.4	51.3	-122.5	-279.2	26.8
102	ok	0.15	0.1	1.50e-02	13.4	13.4	8.0	8.0	-62.3	18.0	51.3	-122.6	-280.1	36.4
103	ok	0.15	0.4	9.61e-02	13.4	13.4	8.0	8.0	-555.9	-28.1	20.9	-3010.3	-21.2	267.3
104	ok	0.15	0.4	8.15e-02	13.4	13.4	8.0	8.0	-419.6	48.2	-118.6	-1737.9	342.1	61.5
105	ok	0.15	0.4	6.42e-02	13.4	13.4	8.0	8.0	-332.4	73.1	-62.8	-1585.1	251.2	133.1
106	ok	0.15	0.3	4.92e-02	13.4	13.4	8.0	8.0	-253.8	34.1	-86.3	-1200.2	-48.6	-39.0
107	ok	0.15	0.2	3.92e-02	13.4	13.4	8.0	8.0	-194.2	15.8	-48.3	-625.1	-245.3	-13.6
108	ok	0.15	0.2	3.57e-02	13.4	13.4	8.0	8.0	-133.2	-16.3	117.8	45.9	-311.2	-77.4
109	ok	0.15	0.2	3.05e-02	13.4	13.4	8.0	8.0	-89.5	-5.5	87.9	-68.7	-372.9	16.1
110	ok	0.15	0.1	2.47e-02	13.4	13.4	8.0	8.0	-70.7	2.9	70.7	-118.8	-425.2	24.6
111	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-55.0	10.5	55.9	-154.4	-457.6	30.5
112	ok	0.15	0.1	1.48e-02	13.4	13.4	8.0	8.0	-54.6	14.2	55.9	-153.5	-450.2	31.6
113	ok	0.15	0.4	9.17e-02	13.4	13.4	8.0	8.0	-523.7	-47.6	-54.3	-2583.8	85.3	-228.8
114	ok	0.15	0.4	8.06e-02	13.4	13.4	8.0	8.0	-462.2	57.6	76.6	-1894.6	294.9	-27.7
115	ok	0.15	0.4	6.40e-02	13.4	13.4	8.0	8.0	-366.6	69.0	-62.8	-1583.9	251.3	150.6
116	ok	0.15	0.3	4.90e-02	13.4	13.4	8.0	8.0	-278.8	40.0	-53.9	-1153.0	-8.9	110.4
117	ok	0.15	0.2	3.82e-02	13.4	13.4	8.0	8.0	-214.3	13.4	-48.3	-596.3	-241.9	51.3
118	ok	0.15	0.2	3.16e-02	13.4	13.4	8.0	8.0	-76.3	-20.1	108.4	-51.6	-451.7	-1.1
119	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-328.1	-6.3	-140.6	1189.5	126.7	70.0
120	ok	0.15	0.2	2.75e-02	13.4	13.4	8.0	8.0	-65.5	-13.8	90.8	-89.8	-512.2	36.1
121	ok	0.15	0.1	2.28e-02	13.4	13.4	8.0	8.0	-54.2	4.9	70.7	-119.8	-425.3	30.7
122	ok	0.15	0.1	1.81e-02	13.4	13.4	8.0	8.0	-78.3	22.3	20.7	-149.1	-503.0	13.4
123	ok	0.15	0.1	1.42e-02	13.4	13.4	8.0	8.0	-59.2	25.3	16.8	-168.3	-529.5	7.8
124	ok	0.15	0.4	9.61e-02	13.4	13.4	8.0	8.0	-555.9	-28.1	-20.9	-3010.3	-21.2	-267.3
125	ok	0.15	0.3	6.42e-02	13.4	13.4	8.0	8.0	-353.9	-0.2	-54.1	590.5	403.9	86.7
126	ok	0.15	0.2	5.06e-02	13.4	13.4	8.0	8.0	-279.1	3.4	-31.1	318.6	457.2	21.5
127	ok	0.15	0.4	8.15e-02	13.4	13.4	8.0	8.0	-419.6	48.2	118.6	-1737.9	342.1	-61.5
128	ok	0.15	0.4	6.42e-02	13.4	13.4	8.0	8.0	-332.4	73.1	62.8	-1585.1	251.2	-133.1
129	ok	0.15	0.3	4.92e-02	13.4	13.4	8.0	8.0	-253.8	34.1	86.3	-1200.2	-48.6	39.0
130	ok	0.15	0.2	3.92e-02	13.4	13.4	8.0	8.0	-194.2	15.8	48.3	-625.1	-245.3	13.6
131	ok	0.15	0.2	3.72e-02	13.4	13.4	8.0	8.0	-139.7	16.5	32.0	97.0	569.8	24.2
132	ok	0.15	0.2	3.57e-02	13.4	13.4	8.0	8.0	-133.2	-16.3	-117.8	45.9	-311.2	77.4
133	ok	0.15	0.2	3.05e-02	13.4	13.4	8.0	8.0	-89.5	-5.5	-87.9	-68.7	-372.9	-16.1
134	ok	0.15	0.1	2.47e-02	13.4	13.4	8.0	8.0	-70.7	2.9	-70.7	-118.8	-425.2	-24.6
135	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-55.0	10.5	-55.9	-154.4	-457.6	-30.5
136	ok	0.15	0.1	1.48e-02	13.4	13.4	8.0	8.0	-56.5	25.7	16.8	-162.7	-528.8	5.9
137	ok	0.15	0.5	9.52e-02	13.4	13.4	8.0	8.0	-556.0	-6.1	30.0	-3190.4	-105.5	-336.4
138	ok	0.15	0.4	8.01e-02	13.4	13.4	8.0	8.0	-456.9	60.7	83.8	-2244.4	205.4	-91.6
139	ok	0.15	0.4	6.28e-02	13.4	13.4	8.0	8.0	-355.3	49.6	73.4	-1842.7	99.5	363.2
140	ok	0.15	0.3	4.91e-02	13.4	13.4	8.0	8.0	-210.1	39.3	86.3	-1270.7	-57.0	114.6
141	ok	0.15	0.2	4.51e-02	13.4	13.4	8.0	8.0	-211.1	-20.6	-111.2	200.1	-163.8	268.8
142	ok	0.15	0.2	4.02e-02	13.4	13.4	8.0	8.0	-179.9	-11.3	-108.9	149.7	-147.9	78.2
143	ok	0.15	0.2	3.33e-02	13.4	13.4	8.0	8.0	-111.6	2.5	-80.2	-42.1	-196.5	3.2
144	ok	0.15	0.1	2.61e-02	13.4	13.4	8.0	8.0	-84.1	10.3	-64.7	-90.1	-244.7	-8.9
145	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-62.5	16.4	-51.3	-122.5	-279.2	-26.8
146	ok	0.15	0.1	1.50e-02	13.4	13.4	8.0	8.0	-62.3	18.0	-51.3	-122.6	-280.1	-36.4
147	ok	0.15	0.6	8.79e-02	13.4	13.4	8.0	8.0	-497.7	5.4	95.4	-2987.6	-215.8	-437.6
148	ok	0.15	0.4	7.32e-02	13.4	13.4	8.0	8.0	-388.0	42.2	137.1	-2479.7	156.8	-149.0
149	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-333.4	-50.1	-141.2	1142.1	-268.3	340.4
150	ok	0.15	0.4	5.69e-02	13.4	13.4	8.0	8.0	-302.7	55.9	73.4	-2119.0	66.4	396.6
151	ok	0.15	0.1	2.68e-02	13.4	13.4	8.0	8.0	-102.8	20.7	27.5	64.0	653.1	33.4
152	ok	0.15	0.3	5.56e-02	13.4	13.4	8.0	8.0	-210.7	-30.8	-141.2	944.0	35.7	195.8
153	ok	0.15	0.2	5.30e-02	13.4	13.4	8.0	8.0	-273.3	-6.9	-84.7	410.4	154.3	177.0
154	ok	0.15	0.2	4.52e-02	13.4	13.4	8.0	8.0	-228.0	3.3	-69.8	259.5	245.4	49.9
155	ok	0.15	0.2	3.56e-02	13.4	13.4	8.0	8.0	-175.4	10.9	-58.1	98.1	267.8	19.2
156	ok	0.15	0.1	2.69e-02	13.4	13.4	8.0	8.0	-129.2	16.8	-49.7	20.9	286.4	9.6
157	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-66.9	24.7	-35.6	-35.9	299.6	-22.9
158	ok	0.15	0.1	1.47e-02	13.4	13.4	8.0	8.0	-46.7	26.4	-28.5	-24.4	307.8	-56.5
159	ok	0.15	0.5	6.81e-02	13.4	13.4	8.0	8.0	-262.4	33.7	137.1	-2843.9	-198.5	-512.2
160	ok	0.15	0.4	6.65e-02	13.4	13.4	8.0	8.0	-266.4	0.3	180.8	-2876.9	-473.9	-221.1
161	ok	0.15	7.05e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	7.4	-24.2	-249.6	9.6

162	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-102.8	20.7	27.5	72.5	723.7	32.1
169	ok	0.15	6.34e-02	4.28e-03	13.4	13.4	8.0	8.0	-1.9	-20.7	3.7	27.5	342.6	34.8
173	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-73.8	22.7	23.0	38.5	736.3	20.1
178	ok	0.15	7.05e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	-7.4	-24.2	-249.6	-9.6
194	ok	0.15	0.4	5.05e-02	13.4	13.4	8.0	8.0	241.1	65.1	130.6	56.8	221.4	189.7
195	ok	0.15	0.6	7.38e-02	13.4	13.4	8.0	8.0	-364.2	-121.5	-141.3	-2296.4	-303.7	-297.1
198	ok	0.15	0.7	9.58e-02	13.4	13.4	8.0	8.0	-529.6	-259.8	-95.4	-2985.2	-196.1	-207.7
200	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-600.9	-380.6	20.9	-3180.6	-23.7	419.8
202	ok	0.15	0.6	0.1	13.4	13.4	8.0	8.0	-599.4	-390.3	54.3	-3001.1	55.6	604.9
204	ok	0.15	0.6	0.1	13.4	13.4	8.0	8.0	-563.2	-376.4	76.4	-2578.4	130.1	703.8
206	ok	0.15	0.6	0.1	13.4	13.4	8.0	8.0	-599.4	-390.3	-54.3	-3001.1	55.6	-604.9
208	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-600.9	-380.6	-20.9	-3180.6	-23.7	-419.8
210	ok	0.15	0.7	9.58e-02	13.4	13.4	8.0	8.0	-529.6	-259.8	95.4	-2985.2	-196.1	207.7
212	ok	0.15	0.6	7.38e-02	13.4	13.4	8.0	8.0	-364.2	-121.5	141.3	-2296.4	-303.7	297.1
214	ok	0.15	0.4	5.05e-02	13.4	13.4	8.0	8.0	-179.7	-99.4	141.3	-1621.7	-222.8	278.7
314	ok	0.15	0.4	4.63e-02	13.4	13.4	8.0	8.0	-164.1	31.1	-141.3	-1611.4	-136.8	332.8
316	ok	0.15	0.5	8.93e-02	13.4	13.4	8.0	8.0	-74.6	23.3	-180.8	-3066.8	-496.7	181.0
318	ok	0.15	0.5	9.58e-02	13.4	13.4	8.0	8.0	-523.5	-28.3	140.6	1283.1	-15.3	-138.6
320	ok	0.15	0.5	9.59e-02	13.4	13.4	8.0	8.0	-523.7	-29.8	140.6	1301.8	140.2	-36.8
322	ok	0.15	0.3	7.92e-02	13.4	13.4	8.0	8.0	-458.7	-12.8	54.1	623.9	407.9	-52.4
324	ok	0.15	0.2	5.60e-02	13.4	13.4	8.0	8.0	-325.7	-2.2	31.1	319.0	457.3	-2.9
326	ok	0.15	0.2	3.78e-02	13.4	13.4	8.0	8.0	-218.8	7.7	26.5	133.6	536.5	10.0
328	ok	0.15	0.1	2.57e-02	13.4	13.4	8.0	8.0	-146.2	15.6	27.3	68.4	640.0	16.1
330	ok	0.15	0.1	1.77e-02	13.4	13.4	8.0	8.0	-95.2	21.6	-27.5	73.8	723.9	-17.1
332	ok	0.15	0.1	1.22e-02	13.4	13.4	8.0	8.0	-41.4	27.9	21.6	54.3	759.5	28.7
421	ok	0.15	0.1	8.82e-03	13.4	13.4	8.0	8.0	-42.3	21.1	19.3	31.8	678.4	11.0
429	ok	0.15	0.4	4.63e-02	13.4	13.4	8.0	8.0	-72.3	42.1	180.8	-3044.3	-308.8	-353.1
431	ok	0.15	0.5	8.93e-02	13.4	13.4	8.0	8.0	-74.6	23.3	180.8	-3066.8	-496.7	-181.0
433	ok	0.15	7.37e-02	4.41e-03	13.4	13.4	8.0	8.0	-1.8	-23.3	2.4	27.0	367.4	13.7
434	ok	0.15	0.5	9.58e-02	13.4	13.4	8.0	8.0	-523.5	-28.3	-140.6	1283.1	-15.3	138.6
436	ok	0.15	0.5	9.59e-02	13.4	13.4	8.0	8.0	-523.7	-29.8	-140.6	1301.8	140.2	36.8
438	ok	0.15	0.3	7.92e-02	13.4	13.4	8.0	8.0	-458.7	-12.8	-54.1	623.9	407.9	52.4
440	ok	0.15	0.2	5.60e-02	13.4	13.4	8.0	8.0	-325.7	-2.2	-31.1	319.0	457.3	2.9
442	ok	0.15	0.2	3.78e-02	13.4	13.4	8.0	8.0	-218.8	7.7	-26.5	133.6	536.5	-10.0
443	ok	0.15	9.03e-02	5.70e-03	13.4	13.4	8.0	8.0	-5.8	13.8	15.5	70.0	396.5	51.4
445	ok	0.15	0.1	2.57e-02	13.4	13.4	8.0	8.0	-95.2	21.6	27.5	65.4	653.3	18.3
447	ok	0.15	0.1	1.77e-02	13.4	13.4	8.0	8.0	-95.2	21.6	27.5	73.8	723.9	17.1
448	ok	0.15	6.94e-02	5.99e-03	13.4	13.4	8.0	8.0	-21.3	11.4	-18.3	-53.4	-224.8	33.1
449	ok	0.15	0.1	1.22e-02	13.4	13.4	8.0	8.0	-64.2	23.8	23.0	47.2	737.3	16.5
450	ok	0.15	7.36e-02	4.41e-03	13.4	13.4	8.0	8.0	-1.6	-23.2	-2.4	27.0	367.4	-5.3
451	ok	0.15	6.94e-02	6.15e-03	13.4	13.4	8.0	8.0	-24.1	13.0	-14.5	-68.1	-369.0	27.0
456	ok	0.15	7.70e-02	6.16e-03	13.4	13.4	8.0	8.0	-26.2	12.8	-14.5	-67.0	-368.8	19.8
478	ok	0.15	7.65e-02	6.03e-03	13.4	13.4	8.0	8.0	-13.5	15.7	6.6	-36.3	-426.6	-3.6
479	ok	0.15	0.1	7.82e-03	13.4	13.4	8.0	8.0	-11.9	18.3	23.3	70.6	495.6	49.2
481	ok	0.15	8.34e-02	8.03e-03	13.4	13.4	8.0	8.0	-33.2	15.9	-23.7	-76.5	-237.8	33.1
483	ok	0.15	8.70e-02	8.04e-03	13.4	13.4	8.0	8.0	-37.6	17.5	-18.8	-105.5	-406.8	24.7
486	ok	0.15	9.11e-02	8.35e-03	13.4	13.4	8.0	8.0	-40.8	17.1	-18.8	-112.8	-407.7	18.2
488	ok	0.15	9.01e-02	8.43e-03	13.4	13.4	8.0	8.0	-26.6	13.9	33.8	-64.9	-313.9	19.7
490	ok	0.15	9.11e-02	8.35e-03	13.4	13.4	8.0	8.0	-40.8	17.1	18.8	-112.8	-407.7	-18.2
492	ok	0.15	8.70e-02	8.04e-03	13.4	13.4	8.0	8.0	-37.6	17.5	18.8	-105.5	-406.8	-24.7
494	ok	0.15	8.34e-02	8.03e-03	13.4	13.4	8.0	8.0	-33.2	15.9	23.7	-76.5	-237.8	-33.1
496	ok	0.15	0.1	7.82e-03	13.4	13.4	8.0	8.0	-11.9	18.3	-23.3	70.6	495.6	-49.2
497	ok	0.15	7.52e-02	4.20e-03	13.4	13.4	8.0	8.0	-2.2	13.0	3.4	37.3	440.3	33.6
499	ok	0.15	0.1	6.80e-03	13.4	13.4	8.0	8.0	-11.4	18.3	23.3	69.4	495.5	27.8
501	ok	0.15	5.67e-02	4.23e-03	13.4	13.4	8.0	8.0	-11.5	8.3	-12.7	-34.4	-226.2	12.9
505	ok	0.15	5.98e-02	4.13e-03	13.4	13.4	8.0	8.0	-12.6	10.3	-9.9	-36.8	-347.4	13.9
509	ok	0.15	6.82e-02	3.93e-03	13.4	13.4	8.0	8.0	-3.9	13.0	-2.5	-11.3	-396.1	2.9
511	ok	0.15	7.70e-02	6.16e-03	13.4	13.4	8.0	8.0	-26.2	12.8	14.5	-67.0	-368.8	-19.8
513	ok	0.15	6.81e-02	3.68e-03	13.4	13.4	8.0	8.0	-4.2	12.9	-2.5	-8.9	-395.9	2.0
517	ok	0.15	6.82e-02	3.93e-03	13.4	13.4	8.0	8.0	-3.9	13.0	2.5	-11.3	-396.1	-2.9
520	ok	0.15	5.98e-02	4.13e-03	13.4	13.4	8.0	8.0	-12.6	10.3	9.9	-36.8	-347.4	-13.9
521	ok	0.15	0.1	6.80e-03	13.4	13.4	8.0	8.0	-11.4	18.3	-23.3	69.4	495.5	-27.8
522	ok	0.15	7.37e-02	4.41e-03	13.4	13.4	8.0	8.0	-1.8	-23.3	-2.4	27.0	367.4	-13.7
524	ok	0.15	6.94e-02	6.15e-03	13.4	13.4	8.0	8.0	-24.1	13.0	14.5	-68.1	-369.0	-27.0
525	ok	0.15	5.67e-02	4.23e-03	13.4	13.4	8.0	8.0	-11.5	8.3	12.7	-34.4	-226.2	-12.9
528	ok	0.15	6.94e-02	5.99e-03	13.4	13.4	8.0	8.0	-21.3	11.4	18.3	-53.4	-224.8	-33.1
529	ok	0.15	7.52e-02	4.20e-03	13.4	13.4	8.0	8.0	-2.2	13.0	-3.4	37.3	440.3	-33.6
532	ok	0.15	7.04e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.5	-15.9	-7.4	-17.2	-248.7	8.2
533	ok	0.15	9.03e-02	5.70e-03	13.4	13.4	8.0	8.0	-5.8	13.8	-15.5	70.0	396.5	-51.4
535	ok	0.15	6.34e-02	4.28e-03	13.4	13.4	8.0	8.0	-1.9	-20.7	-3.7	27.5	342.6	-34.8
536	ok	0.15	7.48e-02	4.18e-03	13.4	13.4	8.0	8.0	-6.2	9.1	15.5	60.7	313.3	34.2
537	ok	0.15	7.48e-02	4.18e-03	13.4	13.4	8.0	8.0	-1.0	13.1	-3.4	34.9	440.0	-28.0
541	ok	0.15	9.00e-02	5.50e-03	13.4	13.4	8.0	8.0	-5.6	13.8	15.5	70.7	396.6	33.6
579	ok	0.15	5.28e-02	3.88e-03	13.4	13.4	8.0	8.0	-2.3	-16.1	-4.1	-4.4	-228.1	42.1
583	ok	0.15	5.28e-02	3.88e-03	13.4	13.4	8.0	8.0	-2.3	-16.1	4.1	-4.4	-228.1	-42.1
592	ok	0.15	0.1	1.03e-02	13.4	13.4	8.0	8.0	-51.5	20.0	-19.3	22.3	677.3	1.4
594	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-47.2	22.5	28.5	-25.0	302.8	70.8

596	ok	0.15	0.1	1.12e-02	13.4	13.4	8.0	8.0	-45.5	18.4	40.0	-105.2	-243.0	56.9
598	ok	0.15	0.1	1.13e-02	13.4	13.4	8.0	8.0	-56.9	22.5	-16.8	-161.6	-520.0	-0.9
599	ok	0.15	7.04e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.5	-15.9	7.4	-17.2	-248.7	-8.2
600	ok	0.15	0.1	1.10e-02	13.4	13.4	8.0	8.0	-59.6	22.2	16.8	-167.2	-520.7	2.8
602	ok	0.15	0.1	1.13e-02	13.4	13.4	8.0	8.0	-56.9	22.5	16.8	-161.6	-520.0	0.9
604	ok	0.15	0.1	1.12e-02	13.4	13.4	8.0	8.0	-36.9	23.3	18.8	-109.2	-437.4	-18.1
606	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-47.2	22.5	-28.5	-25.0	302.8	-70.8
608	ok	0.15	0.1	1.03e-02	13.4	13.4	8.0	8.0	-51.5	20.0	19.3	22.3	677.3	-1.4
610	ok	0.15	9.00e-02	5.50e-03	13.4	13.4	8.0	8.0	-5.6	13.8	-15.5	70.7	396.6	-33.6
611	ok	0.15	0.1	8.82e-03	13.4	13.4	8.0	8.0	-42.3	21.1	-19.3	31.8	678.4	-11.0

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**
								-600.95	-390.31	-180.85	-3190.43	-529.49	-604.87
	0.15	0.76	0.10	13.40	13.40	8.04	8.04	241.05	82.51	180.85	1301.77	759.53	703.80

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
73	ok	2.48						
74	ok	2.37						
75	ok	2.20						
76	ok	2.31						
77	ok	2.00						
78	ok	1.59						
79	ok	1.22						
80	ok	1.08						
81	ok	1.07						
82	ok	1.00						
83	ok	2.50						
84	ok	1.45						
85	ok	1.62						
86	ok	1.71						
87	ok	1.53						
88	ok	1.23						
89	ok	0.95						
90	ok	0.84						
91	ok	0.82						
92	ok	0.75						
93	ok	3.27						
94	ok	1.29						
95	ok	1.11						
96	ok	1.19						
97	ok	1.09						
98	ok	0.89						
99	ok	0.70						
100	ok	0.60						
101	ok	0.58						
102	ok	0.53						
103	ok	3.31						
104	ok	1.23						
105	ok	0.68						
106	ok	0.72						
107	ok	0.67						
108	ok	0.59						
109	ok	0.47						
110	ok	0.38						
111	ok	0.41						
112	ok	0.36						
113	ok	2.94						
114	ok	1.17						
115	ok	0.40						
116	ok	0.33						
117	ok	0.34						
118	ok	0.34						
119	ok	2.31						
120	ok	0.26						
121	ok	0.26						
122	ok	0.38						
123	ok	0.37						
124	ok	3.31						
125	ok	2.00						
126	ok	1.59						
127	ok	1.23						
128	ok	0.68						
129	ok	0.72						
130	ok	0.67						
131	ok	1.22						

132	ok	0.59						
133	ok	0.47						
134	ok	0.38						
135	ok	0.41						
136	ok	0.36						
137	ok	3.27						
138	ok	1.29						
139	ok	1.11						
140	ok	1.19						
141	ok	1.09						
142	ok	0.89						
143	ok	0.70						
144	ok	0.60						
145	ok	0.58						
146	ok	0.53						
147	ok	2.50						
148	ok	1.45						
149	ok	2.20						
150	ok	1.62						
151	ok	1.08						
152	ok	1.71						
153	ok	1.53						
154	ok	1.23						
155	ok	0.95						
156	ok	0.84						
157	ok	0.82						
158	ok	0.75						
159	ok	2.48						
160	ok	2.37						
161	ok	0.52						
162	ok	1.07						
169	ok	0.29						
173	ok	1.00						
178	ok	0.52						
194	ok	4.05						
195	ok	2.54						
198	ok	3.50						
200	ok	4.11						
202	ok	4.08						
204	ok	3.75						
206	ok	4.08						
208	ok	4.11						
210	ok	3.50						
212	ok	2.54						
214	ok	4.05						
314	ok	4.18						
316	ok Av	4.60	0.20	0.08	5.1	2.0	130.2	50.6
318	ok	4.38						
320	ok	3.60						
322	ok	2.16						
324	ok	1.64						
326	ok	1.31						
328	ok	1.11						
330	ok	1.08						
332	ok	1.01						
421	ok	0.81						
429	ok	4.18						
431	ok	4.60						
433	ok	0.19						
434	ok	4.38						
436	ok	3.60						
438	ok	2.16						
440	ok	1.64						
442	ok	1.31						
443	ok	0.48						
445	ok	1.11						
447	ok	1.08						
448	ok	0.39						
449	ok	1.01						
450	ok	0.12						
451	ok	0.29						
456	ok	0.19						
478	ok	0.14						
479	ok	0.60						
481	ok	0.47						
483	ok	0.34						
486	ok	0.24						

488	ok	0.16
490	ok	0.24
492	ok	0.34
494	ok	0.47
496	ok	0.60
497	ok	0.39
499	ok	0.59
501	ok	0.31
505	ok	0.23
509	ok	0.16
511	ok	0.19
513	ok	0.12
517	ok	0.16
520	ok	0.23
521	ok	0.59
522	ok	0.19
524	ok	0.29
525	ok	0.31
528	ok	0.39
529	ok	0.39
532	ok	0.52
533	ok	0.48
535	ok	0.29
536	ok	0.39
537	ok	0.39
541	ok	0.48
579	ok	0.39
583	ok	0.39
592	ok	0.79
594	ok	0.60
596	ok	0.43
598	ok	0.28
599	ok	0.52
600	ok	0.18
602	ok	0.28
604	ok	0.43
606	ok	0.60
608	ok	0.79
610	ok	0.48
611	ok	0.81

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	4.60	0.20	0.08	5.09	1.98	130.21	50.62

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	35.00	1	2	Singolo elemento

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
1	ok	0.15	9.80e-02	1.05e-02	13.4	13.4	8.0	8.0	-29.6	22.9	-23.9	15.1	311.0	-78.1
163	ok	0.15	0.1	1.08e-02	13.4	13.4	8.0	8.0	-41.3	16.2	-41.0	-105.3	-240.4	-55.2
164	ok	0.19	1.0	0.4	25.5	26.0	28.3	28.0	-1537.8	-989.3	-1024.3	-1745.6	-1142.4	-1213.9
165	ok	0.17	1.0	0.3	19.5	20.1	15.7	15.1	-851.8	-782.7	-845.7	-2261.3	-828.4	-258.8
166	ok	0.19	1.0	0.4	23.6	24.0	30.5	30.2	-1117.9	-1874.4	-1013.8	-1158.7	-434.0	-1283.1
168	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-37.2	13.4	-43.4	-134.1	-398.8	-36.2
170	ok	0.15	0.1	1.04e-02	13.4	13.4	8.0	8.0	-55.1	19.2	-15.7	-181.1	-516.9	-3.7
172	ok	0.15	1.0	7.88e-02	13.4	13.4	8.1	8.1	117.9	587.9	-100.0	173.2	2.7	22.8
174	ok	0.15	1.0	0.1	14.3	13.9	8.9	8.5	258.7	501.0	339.4	26.7	-166.4	-104.3
175	ok	0.19	1.0	0.3	23.7	22.6	28.6	27.5	671.8	-743.6	-47.1	-440.0	2327.9	93.5
176	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-37.2	13.4	43.4	-134.1	-398.8	36.2
177	ok	0.17	1.0	0.3	19.5	20.1	14.1	13.5	-1365.1	-215.8	-565.8	-1069.3	-1576.7	-316.3
178	ok	0.15	7.04e-02	3.44e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	7.1	-23.5	-248.6	8.6
179	ok	0.17	1.0	0.2	18.8	18.8	15.7	15.5	239.7	736.8	352.8	-78.8	-222.4	-132.0
180	ok	0.15	0.1	1.08e-02	13.4	13.4	8.0	8.0	-41.3	16.2	41.0	-105.3	-240.4	55.2
181	ok	0.18	1.0	0.2	21.1	21.6	15.8	16.2	-1029.0	-500.5	-650.4	-124.9	-333.6	-209.3
182	ok	0.15	6.75e-02	3.87e-03	13.4	13.4	8.0	8.0	-13.3	9.8	9.6	-29.3	-347.2	-10.0
183	ok	0.15	9.80e-02	1.05e-02	13.4	13.4	8.0	8.0	-29.6	22.9	23.9	15.1	311.0	78.1
185	ok	0.19	1.0	0.3	25.2	26.2	15.8	16.4	-1925.4	-351.8	-554.2	-378.0	-257.7	-294.5
186	ok	0.18	1.0	0.4	24.1	26.1	10.7	10.7	-2442.9	-323.0	-434.4	-1416.7	-98.6	-83.6
187	ok	0.19	1.0	0.3	23.5	22.6	28.6	27.5	671.8	-743.6	47.1	-440.0	2327.9	-93.5
188	ok	0.16	1.0	0.3	17.9	20.5	11.4	13.0	-1560.1	-314.2	-734.7	-1136.5	-369.5	-386.3

189	ok	0.16	1.0	0.3	16.5	17.4	10.7	11.6	-1567.9	178.5	160.6	-754.5	-631.4	-31.7
190	ok	0.19	1.0	0.3	24.9	25.8	15.9	16.3	-2037.7	-147.4	411.9	-862.8	-153.5	128.1
191	ok	0.17	1.0	0.2	18.6	19.4	13.2	14.0	-1226.6	-331.3	535.3	-192.4	-583.4	407.6
192	ok	0.19	1.0	0.3	25.2	26.2	15.8	16.4	-1925.4	-351.8	554.2	-378.0	-257.7	294.5
193	ok	0.15	0.1	9.90e-03	13.4	13.4	8.0	8.0	-44.4	22.5	25.9	44.3	715.3	42.9
194	ok	0.15	0.4	4.11e-02	13.4	13.4	8.0	8.0	-8.6	139.2	-100.3	-1381.4	-668.6	957.0
197	ok	0.16	1.0	0.2	14.9	15.8	9.5	10.4	-706.6	100.0	139.8	-2645.8	-439.1	720.0
217	ok	0.16	1.0	0.2	16.0	14.3	10.4	8.9	-706.6	100.0	139.8	-2645.8	-439.1	720.0
228	ok	0.17	1.0	0.3	19.7	20.2	16.4	16.4	-252.9	476.0	602.3	-3017.6	-875.1	590.3
239	ok	0.17	1.0	0.3	19.8	17.4	14.5	12.1	-1255.7	-530.7	-581.0	2204.9	440.1	-500.4
260	ok	0.17	1.0	0.3	19.8	17.4	14.5	12.1	-1255.7	-530.7	581.0	2204.9	440.1	500.4
271	ok	0.17	1.0	0.3	19.5	20.1	16.4	16.4	-252.9	476.0	-602.2	-3017.6	-875.1	-590.4
282	ok	0.16	1.0	0.2	16.0	14.3	10.4	8.9	-706.6	100.0	-139.8	-2645.8	-439.1	-720.0
293	ok	0.16	1.0	0.2	14.9	15.8	9.5	10.5	-706.6	100.0	-139.8	-2645.8	-439.1	-720.0
304	ok	0.15	0.4	4.11e-02	13.4	13.4	8.0	8.0	-8.6	139.2	100.3	-1381.4	-668.6	-957.0
314	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-60.0	-257.8	413.5	-525.5	-842.4	80.0
315	ok	0.17	1.0	0.3	17.7	20.0	12.3	14.7	-1928.9	332.9	300.6	-1811.3	-757.4	787.4
316	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-384.0	-68.8	277.7	99.5	-733.0	-408.1
317	ok	0.16	1.0	0.3	16.0	16.9	10.6	11.6	-1131.3	-158.5	189.6	-921.2	-855.5	11.7
318	ok	0.15	0.5	0.1	13.4	13.4	8.0	8.0	-519.2	115.6	98.3	447.4	-80.8	-184.7
319	ok	0.15	0.9	0.2	13.4	13.4	8.0	8.0	-862.1	-163.4	-231.5	-119.2	-512.4	-341.8
320	ok	0.15	0.4	9.27e-02	13.4	13.4	8.0	8.0	-527.3	48.0	98.3	505.6	404.2	-212.1
321	ok	0.15	0.4	8.63e-02	13.4	13.4	8.0	8.0	-489.0	52.6	98.3	475.4	400.6	-108.5
322	ok	0.15	0.3	7.79e-02	13.4	13.4	8.0	8.0	-457.3	-1.0	-9.6	367.7	440.9	-47.2
323	ok	0.15	0.3	6.15e-02	13.4	13.4	8.0	8.0	-351.1	11.7	-9.6	377.7	442.1	-35.7
324	ok	0.15	0.2	5.59e-02	13.4	13.4	8.0	8.0	-326.2	-6.3	-26.9	234.1	456.8	16.6
325	ok	0.15	0.2	4.70e-02	13.4	13.4	8.0	8.0	-256.9	2.0	-26.9	250.3	458.8	23.5
326	ok	0.15	0.2	3.75e-02	13.4	13.4	8.0	8.0	-193.2	8.0	-62.5	118.2	603.4	20.0
327	ok	0.15	0.2	3.50e-02	13.4	13.4	8.0	8.0	-167.4	11.1	-62.5	120.7	603.7	35.5
328	ok	0.15	0.1	2.64e-02	13.4	13.4	8.0	8.0	-137.5	13.6	-53.0	84.6	680.9	14.0
329	ok	0.15	0.1	2.63e-02	13.4	13.4	8.0	8.0	-122.4	15.4	-53.0	82.4	680.6	31.6
330	ok	0.15	0.1	1.87e-02	13.4	13.4	8.0	8.0	-95.4	19.9	-42.7	69.5	748.9	-1.9
331	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-89.0	20.7	-42.7	62.6	748.0	13.2
332	ok	0.15	0.1	1.30e-02	13.4	13.4	8.0	8.0	-41.6	26.6	-25.9	60.5	768.4	-22.8
333	ok	0.15	0.1	1.40e-02	13.4	13.4	8.0	8.0	-44.0	26.3	-25.9	50.6	767.3	-33.9
334	ok	0.15	0.7	0.1	13.4	13.4	8.0	8.0	-387.3	48.3	-143.5	216.7	-173.0	88.4
335	ok	0.16	1.0	0.2	17.3	17.6	11.9	12.2	-628.5	-474.4	-551.1	-153.6	-307.1	-190.3
336	ok	0.16	1.0	0.2	17.3	17.6	11.9	12.2	-881.3	-45.0	-285.3	1.4	-451.7	-258.9
337	ok	0.15	5.24e-02	4.02e-03	13.4	13.4	8.0	8.0	-2.2	-16.4	-3.8	-3.8	-227.4	43.1
338	ok	0.15	0.3	6.46e-02	13.4	13.4	8.0	8.0	-178.1	23.4	-64.7	254.7	248.5	15.3
339	ok	0.15	0.2	4.47e-02	13.4	13.4	8.0	8.0	-181.7	-6.7	-64.7	257.8	274.2	42.6
340	ok	0.15	0.2	3.36e-02	13.4	13.4	8.0	8.0	-137.6	6.3	-85.2	89.1	316.5	54.6
341	ok	0.15	0.1	2.55e-02	13.4	13.4	8.0	8.0	-103.5	11.5	-69.3	29.8	320.6	41.2
342	ok	0.15	0.1	1.92e-02	13.4	13.4	8.0	8.0	-60.0	20.1	-42.2	-31.0	318.7	-8.2
343	ok	0.15	0.1	1.44e-02	13.4	13.4	8.0	8.0	-43.5	23.6	-32.0	-21.7	316.9	-49.6
344	ok	0.17	1.0	0.3	17.6	20.0	12.3	14.7	-1560.1	-314.2	734.7	-1136.5	-369.5	386.3
345	ok	0.15	0.1	9.01e-03	13.4	13.4	8.0	8.0	-42.1	22.8	25.9	54.3	716.5	31.8
346	ok	0.19	1.0	0.4	23.6	24.0	30.5	30.2	-1117.9	-1874.4	1013.8	-1158.7	-434.0	1283.1
347	ok	0.15	0.5	8.59e-02	13.4	13.4	8.0	8.0	-228.0	91.6	-202.7	182.4	-181.0	139.3
348	ok	0.15	0.3	6.11e-02	13.4	13.4	8.0	8.0	-238.5	4.3	-202.7	190.4	-114.1	110.7
349	ok	0.15	0.2	4.38e-02	13.4	13.4	8.0	8.0	-151.8	-15.9	-154.5	117.3	-104.4	68.6
350	ok	0.15	0.2	3.14e-02	13.4	13.4	8.0	8.0	-84.3	-12.4	-86.2	-38.9	-157.9	33.0
351	ok	0.15	0.1	2.40e-02	13.4	13.4	8.0	8.0	-68.6	-2.0	-67.4	-88.5	-217.4	9.2
352	ok	0.15	0.1	1.86e-02	13.4	13.4	8.0	8.0	-54.6	8.4	-52.8	-122.1	-263.6	-18.7
353	ok	0.15	0.1	1.43e-02	13.4	13.4	8.0	8.0	-53.9	13.9	-52.8	-123.2	-272.8	-31.2
354	ok	0.17	1.0	0.3	17.7	20.0	12.3	14.7	-1928.9	332.9	300.6	-1811.3	-757.4	787.4
355	ok	0.16	1.0	0.3	17.7	19.0	10.7	11.9	-1136.7	-167.0	421.1	-2112.5	-695.7	881.1
356	ok	0.16	1.0	0.2	17.4	17.6	12.0	12.3	-843.3	-344.4	527.4	-14.1	-446.5	202.5
357	ok	0.15	0.5	6.25e-02	13.4	13.4	8.0	8.0	-174.6	-31.1	-245.8	116.2	231.2	178.9
358	ok	0.15	0.4	5.83e-02	13.4	13.4	8.0	8.0	-142.3	-24.1	-244.0	145.8	-226.5	129.5
359	ok	0.15	0.2	3.89e-02	13.4	13.4	8.0	8.0	-84.2	-34.7	-161.0	79.0	-260.6	65.6
360	ok	0.15	0.2	2.84e-02	13.4	13.4	8.0	8.0	-62.8	-23.2	-87.0	-72.1	-335.1	8.7
361	ok	0.15	0.1	2.20e-02	13.4	13.4	8.0	8.0	-55.7	-9.9	-69.0	-123.8	-402.9	-12.0
362	ok	0.15	0.1	1.75e-02	13.4	13.4	8.0	8.0	-47.0	2.7	-54.9	-157.7	-447.1	-26.3
363	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-46.1	10.2	-54.9	-157.7	-446.8	-29.3
364	ok	0.19	1.0	0.4	25.5	26.0	28.3	28.0	-1537.8	-989.3	1024.3	-1745.6	-1142.4	1213.9
365	ok	0.15	1.0	0.2	13.5	13.4	13.0	8.0	671.8	-743.6	47.1	-440.0	2327.9	-93.5
366	ok	0.17	1.0	0.3	18.4	16.9	14.8	14.0	-706.6	100.0	139.8	-2645.8	-439.1	720.0
367	ok	0.16	1.0	0.3	16.5	17.4	10.6	11.6	-1567.9	178.5	-160.6	-754.5	-631.4	31.7
368	ok	0.15	0.4	5.18e-02	13.4	13.4	8.0	8.0	20.6	53.2	-244.0	102.3	-233.4	169.1
369	ok	0.15	0.3	4.75e-02	13.4	13.4	8.0	8.0	13.6	-5.4	-244.0	102.5	-231.7	129.9
370	ok	0.15	0.2	3.19e-02	13.4	13.4	8.0	8.0	-17.0	-48.5	-146.8	30.8	-394.9	46.9
371	ok	0.15	0.2	2.45e-02	13.4	13.4	8.0	8.0	-42.7	-34.0	83.4	-100.7	-479.1	18.7
372	ok	0.15	0.1	1.97e-02	13.4	13.4	8.0	8.0	-42.6	-16.6	67.8	-146.0	-537.5	31.3
373	ok	0.15	0.1	1.61e-02	13.4	13.4	8.0	8.0	-38.0	3.8	54.9	-161.0	-447.5	26.2
374	ok	0.15	0.1	1.30e-02	13.4	13.4	8.0	8.0	-68.6	16.9	-18.5	-175.9	-514.3	-10.5
375	ok	0.18	1.0	0.4	23.8	25.7	11.4	12.5	-2442.9	-323.0	434.4	-1416.7	-98.6	83.6

376	ok	0.17	1.0	0.3	19.7	20.2	15.7	15.1	-851.8	-782.7	845.7	-2261.3	-828.4	258.8
377	ok	0.18	1.0	0.2	21.1	21.6	15.8	16.2	-1029.1	-500.5	650.4	-124.9	-333.6	209.3
378	ok	0.15	0.5	6.25e-02	13.4	13.4	8.0	8.0	-174.6	-31.1	245.8	116.2	231.2	-178.9
379	ok	0.15	0.4	5.83e-02	13.4	13.4	8.0	8.0	-142.3	-24.1	244.0	145.8	-226.5	-129.5
380	ok	0.15	0.2	3.89e-02	13.4	13.4	8.0	8.0	-84.2	-34.7	161.0	79.0	-260.6	-65.6
381	ok	0.15	0.2	2.84e-02	13.4	13.4	8.0	8.0	-62.8	-23.2	87.0	-72.1	-335.1	-8.7
382	ok	0.15	0.1	2.20e-02	13.4	13.4	8.0	8.0	-55.7	-9.9	69.0	-123.8	-402.9	12.0
383	ok	0.15	0.1	1.75e-02	13.4	13.4	8.0	8.0	-47.0	2.7	54.9	-157.7	-447.1	26.3
384	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-46.1	10.2	54.9	-157.7	-446.8	29.3
385	ok	0.16	1.0	0.3	17.9	20.5	11.4	13.0	-1928.9	332.9	-300.6	-1811.3	-757.4	-787.4
386	ok	0.17	1.0	0.3	19.7	20.2	14.1	13.5	-1365.1	-215.8	565.8	-1069.4	-1576.8	316.3
387	ok	0.17	1.0	0.2	18.6	19.4	13.2	14.0	-1226.6	-331.3	-535.3	-192.4	-583.4	-407.6
388	ok	0.17	1.0	0.2	18.8	18.8	15.7	15.5	239.7	736.8	-352.8	-78.8	-222.4	132.0
389	ok	0.15	0.5	8.59e-02	13.4	13.4	8.0	8.0	-228.0	91.6	202.7	182.4	-181.0	-139.3
390	ok	0.15	0.3	6.11e-02	13.4	13.4	8.0	8.0	-238.5	4.3	202.7	190.4	-114.1	-110.7
391	ok	0.15	0.2	4.38e-02	13.4	13.4	8.0	8.0	-151.8	-15.9	154.5	117.3	-104.4	-68.6
392	ok	0.15	0.2	3.14e-02	13.4	13.4	8.0	8.0	-84.3	-12.4	86.2	-38.9	-157.9	-33.0
393	ok	0.15	0.1	2.40e-02	13.4	13.4	8.0	8.0	-68.6	-2.0	67.4	-88.5	-217.4	-9.2
394	ok	0.15	0.1	1.86e-02	13.4	13.4	8.0	8.0	-54.6	8.4	52.8	-122.1	-263.6	18.7
395	ok	0.15	0.1	1.43e-02	13.4	13.4	8.0	8.0	-53.9	13.9	52.8	-123.2	-272.8	31.2
396	ok	0.16	1.0	0.2	14.7	14.6	9.4	9.3	-387.3	48.3	-143.5	216.7	-173.0	88.4
397	ok	0.16	1.0	0.2	14.8	14.8	9.4	9.4	-522.2	-89.7	260.0	190.2	-335.9	-37.1
398	ok	0.16	1.0	0.2	17.4	17.6	12.0	12.3	-346.1	204.3	-18.7	403.1	-253.2	60.6
399	ok	0.15	7.04e-02	3.43e-03	13.4	13.4	8.0	8.0	-3.4	-15.9	7.1	-16.6	-247.8	-9.0
400	ok	0.15	0.7	0.1	13.4	13.4	8.0	8.0	-249.5	116.1	55.5	397.4	169.6	62.0
401	ok	0.15	0.3	6.46e-02	13.4	13.4	8.0	8.0	-319.5	30.8	72.6	240.5	221.5	-26.0
402	ok	0.15	0.2	4.47e-02	13.4	13.4	8.0	8.0	-195.6	10.4	92.8	172.0	302.5	-51.1
403	ok	0.15	0.2	3.36e-02	13.4	13.4	8.0	8.0	-137.6	6.3	85.2	89.1	316.5	-54.6
404	ok	0.15	0.1	2.55e-02	13.4	13.4	8.0	8.0	-103.5	11.5	69.3	29.8	320.6	-41.2
405	ok	0.15	0.1	1.92e-02	13.4	13.4	8.0	8.0	-60.0	20.1	42.2	-31.0	318.7	8.2
406	ok	0.15	0.1	1.44e-02	13.4	13.4	8.0	8.0	-43.5	23.6	32.0	-21.7	316.9	49.6
407	ok	0.16	1.0	0.3	17.9	20.5	11.4	13.0	-1928.9	332.9	-300.6	-1811.3	-757.4	-787.4
408	ok	0.16	1.0	0.3	16.0	16.9	10.7	11.6	-1131.3	-158.5	-189.6	-921.2	-855.5	-11.7
409	ok	0.15	0.9	0.2	13.4	13.4	8.0	8.0	-862.1	-163.4	231.5	-119.2	-512.4	341.8
411	ok	0.15	0.4	8.63e-02	13.4	13.4	8.0	8.0	-489.0	52.6	-98.3	475.4	400.6	108.5
412	ok	0.15	0.3	6.15e-02	13.4	13.4	8.0	8.0	-351.1	11.7	9.6	377.7	442.1	35.7
413	ok	0.15	0.2	4.70e-02	13.4	13.4	8.0	8.0	-229.3	12.4	61.0	186.5	540.0	-18.3
414	ok	0.15	0.2	3.50e-02	13.4	13.4	8.0	8.0	-167.4	11.1	62.5	120.7	603.7	-35.5
415	ok	0.15	0.1	2.63e-02	13.4	13.4	8.0	8.0	-122.4	15.4	53.0	82.4	680.6	-31.6
416	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-89.0	20.7	42.7	62.6	748.0	-13.2
417	ok	0.15	0.1	1.40e-02	13.4	13.4	8.0	8.0	-44.0	26.3	25.9	50.6	767.3	33.9
418	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-40.7	-128.4	100.3	-1404.3	-860.1	-439.7
419	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-70.5	-31.2	-189.6	-807.5	-841.9	-23.2
420	ok	0.15	0.5	0.1	13.4	13.4	8.0	8.0	-519.2	115.6	-98.3	447.4	-80.8	184.7
422	ok	0.15	0.4	9.27e-02	13.4	13.4	8.0	8.0	-527.3	48.0	-98.3	505.6	404.2	212.1
423	ok	0.15	0.3	7.79e-02	13.4	13.4	8.0	8.0	-457.3	-1.0	9.6	367.7	440.9	47.2
424	ok	0.15	0.2	5.59e-02	13.4	13.4	8.0	8.0	-326.2	-6.3	26.9	234.1	456.8	-16.6
425	ok	0.15	0.2	3.75e-02	13.4	13.4	8.0	8.0	-193.2	8.0	62.5	118.2	603.4	-20.0
426	ok	0.15	0.1	2.64e-02	13.4	13.4	8.0	8.0	-137.5	13.6	53.0	84.6	680.9	-14.0
427	ok	0.15	0.1	1.87e-02	13.4	13.4	8.0	8.0	-95.4	19.9	42.7	69.5	748.9	1.9
428	ok	0.15	0.1	1.30e-02	13.4	13.4	8.0	8.0	-41.6	26.6	25.9	60.5	768.4	22.8
430	ok	0.15	6.74e-02	3.64e-03	13.4	13.4	8.0	8.0	-13.7	11.3	-6.5	-33.5	-399.5	1.5
437	ok	0.15	6.75e-02	3.87e-03	13.4	13.4	8.0	8.0	-13.3	9.8	-9.6	-29.3	-347.2	10.0
441	ok	0.15	7.04e-02	3.44e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	-7.1	-23.5	-248.6	-8.6
444	ok	0.15	5.91e-02	4.04e-03	13.4	13.4	8.0	8.0	-12.4	9.9	-9.6	-36.9	-348.1	13.8
452	ok	0.15	5.24e-02	4.02e-03	13.4	13.4	8.0	8.0	-1.7	-21.9	-2.1	22.9	161.0	-51.8
453	ok	0.15	5.70e-02	4.13e-03	13.4	13.4	8.0	8.0	-9.6	11.6	10.5	51.0	259.6	63.5
454	ok	0.18	1.0	0.4	25.1	27.2	19.8	20.2	-1546.7	-1002.7	1015.8	-2135.1	-633.3	1142.2
461	ok	0.15	7.04e-02	3.43e-03	13.4	13.4	8.0	8.0	-3.4	-15.9	-7.1	-16.6	-247.8	9.0
469	ok	0.15	6.25e-02	4.46e-03	13.4	13.4	8.0	8.0	-1.8	-21.6	-3.9	28.2	343.1	-35.4
475	ok	0.15	1.0	0.1	14.3	13.9	8.9	8.5	258.7	501.0	-339.4	26.7	-166.4	104.3
484	ok	0.18	1.0	0.4	25.0	27.3	13.0	13.7	-2293.2	-370.7	-763.5	-2208.7	-467.6	-748.0
487	ok	0.15	7.27e-02	4.61e-03	13.4	13.4	8.0	8.0	-1.8	-24.3	-2.5	27.7	367.9	-14.0
495	ok	0.15	7.52e-02	4.07e-03	13.4	13.4	8.0	8.0	-6.3	8.9	16.1	61.3	312.7	52.4
499	ok	0.15	0.1	6.67e-03	13.4	13.4	8.0	8.0	-11.7	18.0	-24.4	71.7	497.1	-27.9
500	ok	0.15	0.1	7.43e-03	13.4	13.4	8.0	8.0	-11.7	18.0	-24.4	73.1	497.3	-49.7
502	ok	0.15	8.32e-02	7.63e-03	13.4	13.4	8.0	8.0	-18.1	19.5	-17.1	44.4	295.1	-82.8
503	ok	0.15	7.26e-02	4.61e-03	13.4	13.4	8.0	8.0	-1.5	-24.3	2.5	27.8	367.9	5.4
504	ok	0.15	8.50e-02	7.89e-03	13.4	13.4	8.0	8.0	-23.0	16.0	17.5	-53.5	-236.0	-31.8
506	ok	0.15	8.83e-02	8.11e-03	13.4	13.4	8.0	8.0	-24.7	17.6	13.9	-73.1	-402.7	-19.5
508	ok	0.15	8.74e-02	8.12e-03	13.4	13.4	8.0	8.0	-24.6	12.7	33.7	-65.1	-314.4	20.3
510	ok	0.15	8.83e-02	8.11e-03	13.4	13.4	8.0	8.0	-27.7	12.3	33.7	-67.2	-314.7	36.8
512	ok	0.15	8.50e-02	7.89e-03	13.4	13.4	8.0	8.0	-23.0	16.0	-17.5	-53.5	-236.0	31.8
514	ok	0.15	8.32e-02	7.63e-03	13.4	13.4	8.0	8.0	-18.1	19.5	17.1	44.4	295.1	82.8
516	ok	0.15	0.1	7.43e-03	13.4	13.4	8.0	8.0	-11.7	18.0	24.4	73.1	497.3	49.7
518	ok	0.15	0.1	6.67e-03	13.4	13.4	8.0	8.0	-11.7	18.0	24.4	71.7	497.1	27.9
519	ok	0.15	7.27e-02	4.61e-03	13.4	13.4	8.0	8.0	-1.8	-24.3	2.5	27.7	367.9	14.0

526	ok	0.15	7.46e-02	4.06e-03	13.4	13.4	8.0	8.0	-6.3	8.9	16.1	62.0	312.8	34.5
530	ok	0.16	1.0	0.1	15.3	15.2	12.1	11.4	231.0	734.3	-356.0	-5.3	-289.1	65.7
531	ok	0.15	7.01e-02	5.78e-03	13.4	13.4	8.0	8.0	-9.2	15.4	-10.5	52.7	273.7	-70.9
534	ok	0.15	6.25e-02	4.46e-03	13.4	13.4	8.0	8.0	-1.8	-21.6	3.9	28.2	343.1	35.4
536	ok	0.15	7.46e-02	4.06e-03	13.4	13.4	8.0	8.0	-6.3	8.9	-16.1	62.0	312.8	-34.5
538	ok	0.15	7.52e-02	4.07e-03	13.4	13.4	8.0	8.0	-6.3	8.9	-16.1	61.3	312.7	-52.4
541	ok	0.15	8.98e-02	5.30e-03	13.4	13.4	8.0	8.0	-5.7	13.7	-16.1	72.1	396.6	-33.9
561	ok	0.16	1.0	0.3	17.7	19.3	10.5	11.3	-1928.9	332.9	-300.6	-1811.3	-757.4	-787.4
563	ok	0.18	1.0	0.4	25.2	27.5	19.8	20.2	-1546.7	-1002.7	-1015.8	-2135.1	-633.2	-1142.2
565	ok	0.17	1.0	0.3	18.4	16.9	14.8	14.0	-706.6	100.0	-139.8	-2645.8	-439.1	-720.0
567	ok	0.15	1.0	1.00e-01	13.6	13.6	11.0	10.8	71.0	796.7	114.4	20.6	-82.2	27.0
570	ok	0.18	1.0	0.4	24.9	26.9	13.2	14.4	-2293.2	-370.7	763.5	-2208.7	-467.6	748.0
572	ok	0.19	1.0	0.3	24.9	25.8	15.9	16.3	-2037.7	-147.4	-411.9	-862.8	-153.5	-128.1
574	ok	0.16	1.0	0.1	15.3	15.2	12.1	11.4	231.0	734.3	356.0	-5.3	-289.1	-65.7
577	ok	0.15	6.82e-02	5.96e-03	13.4	13.4	8.0	8.0	-11.9	13.8	9.6	-39.1	-366.2	-20.7
581	ok	0.15	7.58e-02	5.99e-03	13.4	13.4	8.0	8.0	-12.9	13.7	9.6	-31.5	-365.3	-16.9
585	ok	0.15	7.53e-02	5.90e-03	13.4	13.4	8.0	8.0	-13.2	14.9	6.5	-36.8	-427.1	-3.5
589	ok	0.15	7.58e-02	5.99e-03	13.4	13.4	8.0	8.0	-12.9	13.7	-9.6	-31.5	-365.3	16.9
593	ok	0.15	6.82e-02	5.96e-03	13.4	13.4	8.0	8.0	-12.1	12.0	-12.3	-21.8	-221.9	24.6
595	ok	0.15	5.70e-02	4.13e-03	13.4	13.4	8.0	8.0	-9.6	11.6	-10.5	51.0	259.6	-63.5
597	ok	0.15	7.01e-02	5.78e-03	13.4	13.4	8.0	8.0	-9.2	15.4	10.5	52.7	273.7	70.9
601	ok	0.15	9.02e-02	5.51e-03	13.4	13.4	8.0	8.0	-5.7	13.7	16.1	71.3	396.6	51.8
605	ok	0.15	8.98e-02	5.30e-03	13.4	13.4	8.0	8.0	-5.7	13.7	16.1	72.1	396.6	33.9
607	ok	0.15	9.02e-02	5.51e-03	13.4	13.4	8.0	8.0	-5.7	13.7	-16.1	71.3	396.6	-51.8
611	ok	0.15	0.1	9.01e-03	13.4	13.4	8.0	8.0	-18.8	22.0	-32.6	60.5	579.4	-16.8
612	ok	0.15	0.1	9.90e-03	13.4	13.4	8.0	8.0	-44.4	22.5	-25.9	44.3	715.3	-42.9
613	ok	0.15	5.91e-02	4.04e-03	13.4	13.4	8.0	8.0	-0.2	-8.3	-3.9	24.0	308.3	-32.2

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
								-2442.90	-1874.38	-1024.28	-3017.64	-1576.78	-1283.08
	0.19	0.99	0.39	25.47	27.50	30.54	30.15	671.78	796.73	1024.27	2204.95	2327.92	1283.08

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
1	ok	0.60						
163	ok	0.43						
164	ok Av	8.59	0.25	0.30	6.5	7.8	167.1	200.5
165	ok Av	8.28	0.30	0.26	7.8	6.7	199.2	172.5
166	ok Av	8.59	0.23	0.32	6.1	8.4	156.8	215.3
168	ok	0.28						
170	ok	0.18						
172	ok	0.30						
174	ok	0.74						
175	ok Av	6.18	0.26	0.22	6.8	5.6	174.5	143.8
176	ok	0.28						
177	ok Av	8.28	0.30	0.26	7.8	6.7	199.2	172.5
178	ok	0.53						
179	ok	1.94						
180	ok	0.43						
181	ok	2.38						
182	ok	0.16						
183	ok	0.60						
185	ok	2.45						
186	ok	2.84						
187	ok Av	6.18	0.19	0.21	4.9	5.6	125.8	143.8
188	ok	1.18						
189	ok	1.21						
190	ok	2.43						
191	ok	1.56						
192	ok	2.45						
193	ok	0.79						
194	ok	3.02						
197	ok	4.46						
217	ok Av	5.14	0.09	0.22	2.4	5.6	61.7	143.5
228	ok Av	5.70	0.05	0.26	1.3	6.7	34.4	172.5
239	ok Av	4.93	0.10	0.20	2.7	5.2	68.1	133.6
260	ok Av	5.85	0.26	0.20	6.8	5.2	174.5	133.6
271	ok Av	8.28	0.30	0.26	7.8	6.7	199.2	172.5
282	ok Av	5.14	0.09	0.22	2.4	5.6	61.7	143.5
293	ok	2.41						
304	ok	3.02						
314	ok	2.37						
315	ok	1.46						
316	ok	2.15						
317	ok	1.28						
318	ok	1.86						

319	ok	1.72						
320	ok	2.08						
321	ok	2.04						
322	ok	1.86						
323	ok	1.86						
324	ok	1.52						
325	ok	1.52						
326	ok	1.16						
327	ok	1.13						
328	ok	1.09						
329	ok	1.08						
330	ok	1.08						
331	ok	1.08						
332	ok	1.01						
333	ok	1.00						
334	ok	1.53						
335	ok	1.65						
336	ok	1.65						
337	ok	0.39						
338	ok	1.39						
339	ok	1.17						
340	ok	0.87						
341	ok	0.83						
342	ok	0.82						
343	ok	0.75						
344	ok	1.05						
345	ok	0.81						
346	ok Av	8.59	0.24	0.32	6.1	8.4	156.8	215.3
347	ok	1.16						
348	ok	0.99						
349	ok	0.82						
350	ok	0.63						
351	ok	0.59						
352	ok	0.58						
353	ok	0.53						
354	ok	1.59						
355	ok	2.34						
356	ok	1.41						
357	ok	0.66						
358	ok	0.58						
359	ok	0.52						
360	ok	0.41						
361	ok	0.35						
362	ok	0.39						
363	ok	0.35						
364	ok Av	8.59	0.25	0.30	6.5	7.8	167.1	200.5
365	ok Av	5.85	0.26	0.11	6.8	2.8	174.5	72.5
366	ok	4.46						
367	ok	1.21						
368	ok	0.28						
369	ok	0.24						
370	ok	0.26						
371	ok	0.24						
372	ok	0.23						
373	ok	0.37						
374	ok	0.36						
375	ok	2.84						
376	ok Av	5.70	0.05	0.26	1.3	6.7	34.4	172.5
377	ok	2.38						
378	ok	0.66						
379	ok	0.58						
380	ok	0.52						
381	ok	0.41						
382	ok	0.35						
383	ok	0.39						
384	ok	0.35						
385	ok	1.80						
386	ok Av	7.91	0.26	0.26	6.7	6.7	172.3	172.5
387	ok	1.65						
388	ok	1.94						
389	ok	1.07						
390	ok	0.99						
391	ok	0.82						
392	ok	0.63						
393	ok	0.59						
394	ok	0.58						
395	ok	0.53						

396	ok	1.39
397	ok	1.41
398	ok	1.41
399	ok	0.52
400	ok	1.53
401	ok	1.39
402	ok	1.17
403	ok	0.87
404	ok	0.83
405	ok	0.82
406	ok	0.75
407	ok	1.80
408	ok	1.28
409	ok	1.72
411	ok	2.04
412	ok	1.86
413	ok	1.52
414	ok	1.13
415	ok	1.08
416	ok	1.08
417	ok	1.00
418	ok	2.37
419	ok	2.15
420	ok	1.86
422	ok	2.08
423	ok	1.86
424	ok	1.52
425	ok	1.16
426	ok	1.09
427	ok	1.08
428	ok	1.01
430	ok	0.12
437	ok	0.16
441	ok	0.53
444	ok	0.23
452	ok	0.39
453	ok	0.31
454	ok	5.10
461	ok	0.52
469	ok	0.29
475	ok	0.74
484	ok	3.45
487	ok	0.19
495	ok	0.39
499	ok	0.60
500	ok	0.60
502	ok	0.47
503	ok	0.12
504	ok	0.34
506	ok	0.24
508	ok	0.17
510	ok	0.24
512	ok	0.34
514	ok	0.47
516	ok	0.60
518	ok	0.60
519	ok	0.19
526	ok	0.39
530	ok	1.18
531	ok	0.39
534	ok	0.29
536	ok	0.39
538	ok	0.39
541	ok	0.48
561	ok	2.41
563	ok	5.10
565	ok	2.81
567	ok	0.91
570	ok	3.45
572	ok	2.43
574	ok	1.18
577	ok	0.29
581	ok	0.19
585	ok	0.15
589	ok	0.19
593	ok	0.29
595	ok	0.31

597	ok	0.39
601	ok	0.48
605	ok	0.48
607	ok	0.48
611	ok	0.81
612	ok	0.79
613	ok	0.23

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	8.59	0.30	0.32	7.79	8.42	199.21	215.34

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	35.00	1	2	Singolo elemento

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
2	ok	0.15	0.1	1.47e-02	13.4	13.4	8.0	8.0	-46.7	26.4	28.5	24.4	-307.8	-56.5
3	ok	0.15	0.5	9.52e-02	13.4	13.4	8.0	8.0	-556.0	-6.1	-30.0	3190.4	105.5	-336.4
4	ok	0.15	0.4	8.01e-02	13.4	13.4	8.0	8.0	-456.9	60.7	-83.8	2244.4	-205.4	-91.6
5	ok	0.15	0.4	6.28e-02	13.4	13.4	8.0	8.0	-355.3	49.6	-73.4	1842.7	-99.5	363.2
6	ok	0.15	0.3	4.91e-02	13.4	13.4	8.0	8.0	-210.1	39.3	-86.3	1270.7	57.0	114.6
7	ok	0.15	0.2	4.51e-02	13.4	13.4	8.0	8.0	-211.1	-20.6	111.2	-200.1	163.8	268.8
8	ok	0.15	0.2	4.02e-02	13.4	13.4	8.0	8.0	-179.9	-11.3	108.9	-149.7	147.9	78.2
9	ok	0.15	0.2	3.33e-02	13.4	13.4	8.0	8.0	-111.6	2.5	80.2	42.1	196.5	3.2
10	ok	0.15	0.1	2.61e-02	13.4	13.4	8.0	8.0	-84.1	10.3	64.7	90.1	244.7	-8.9
11	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-62.5	16.4	51.3	122.5	279.2	-26.8
12	ok	0.15	0.1	1.50e-02	13.4	13.4	8.0	8.0	-62.3	18.0	51.3	122.6	280.1	-36.4
13	ok	0.15	0.4	9.61e-02	13.4	13.4	8.0	8.0	-555.9	-28.1	20.9	3010.3	21.2	-267.3
14	ok	0.15	0.4	8.15e-02	13.4	13.4	8.0	8.0	-419.6	48.2	-118.6	1737.9	-342.1	-61.5
15	ok	0.15	0.4	6.42e-02	13.4	13.4	8.0	8.0	-332.4	73.1	-62.8	1585.1	-251.2	-133.1
16	ok	0.15	0.3	4.92e-02	13.4	13.4	8.0	8.0	-253.8	34.1	-86.3	1200.2	48.6	39.0
17	ok	0.15	0.2	3.92e-02	13.4	13.4	8.0	8.0	-194.2	15.8	-48.3	625.1	245.3	13.6
18	ok	0.15	0.2	3.57e-02	13.4	13.4	8.0	8.0	-133.2	-16.3	117.8	-45.9	311.2	77.4
19	ok	0.15	0.2	3.05e-02	13.4	13.4	8.0	8.0	-89.5	-5.5	87.9	68.7	372.9	-16.1
20	ok	0.15	0.1	2.47e-02	13.4	13.4	8.0	8.0	-70.7	2.9	70.7	118.8	425.2	-24.6
21	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-55.0	10.5	55.9	154.4	457.6	-30.5
22	ok	0.15	0.1	1.48e-02	13.4	13.4	8.0	8.0	-54.6	14.2	55.9	153.5	450.2	-31.6
23	ok	0.15	0.4	9.17e-02	13.4	13.4	8.0	8.0	-523.7	-47.6	-54.3	2583.8	-85.3	228.8
24	ok	0.15	0.4	8.06e-02	13.4	13.4	8.0	8.0	-462.2	57.6	76.6	1894.6	-294.9	27.7
25	ok	0.15	0.4	6.40e-02	13.4	13.4	8.0	8.0	-366.6	69.0	62.8	1583.9	-251.3	150.6
26	ok	0.15	0.3	4.90e-02	13.4	13.4	8.0	8.0	-278.8	40.0	53.9	1153.0	8.9	110.4
27	ok	0.15	0.2	3.82e-02	13.4	13.4	8.0	8.0	-214.3	13.4	-48.3	596.3	241.9	-51.3
28	ok	0.15	0.2	3.16e-02	13.4	13.4	8.0	8.0	-76.3	-20.1	108.4	51.6	451.7	1.1
29	ok	0.15	0.2	2.75e-02	13.4	13.4	8.0	8.0	-65.5	-13.8	90.8	89.8	512.2	-36.1
30	ok	0.15	0.1	2.28e-02	13.4	13.4	8.0	8.0	-54.2	4.9	70.7	119.8	425.3	-30.7
31	ok	0.15	0.1	1.81e-02	13.4	13.4	8.0	8.0	-78.3	22.3	20.7	149.1	503.0	-13.4
32	ok	0.15	0.1	1.42e-02	13.4	13.4	8.0	8.0	-59.2	25.3	16.8	168.3	529.5	-7.8
33	ok	0.15	0.4	9.61e-02	13.4	13.4	8.0	8.0	-555.9	-28.1	-20.9	3010.3	21.2	267.3
34	ok	0.15	0.4	8.15e-02	13.4	13.4	8.0	8.0	-419.6	48.2	118.6	1737.9	-342.1	61.5
35	ok	0.15	0.4	6.42e-02	13.4	13.4	8.0	8.0	-332.4	73.1	62.8	1585.1	-251.2	133.1
36	ok	0.15	0.3	4.92e-02	13.4	13.4	8.0	8.0	-253.8	34.1	86.3	1200.2	48.6	-39.0
37	ok	0.15	0.2	3.92e-02	13.4	13.4	8.0	8.0	-194.2	15.8	48.3	625.1	245.3	-13.6
38	ok	0.15	0.2	3.57e-02	13.4	13.4	8.0	8.0	-133.2	-16.3	-117.8	-45.9	311.2	-77.4
39	ok	0.15	0.2	3.05e-02	13.4	13.4	8.0	8.0	-89.5	-5.5	-87.9	68.7	372.9	16.1
40	ok	0.15	0.1	2.47e-02	13.4	13.4	8.0	8.0	-70.7	2.9	-70.7	118.8	425.2	24.6
41	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-55.0	10.5	-55.9	154.4	457.6	30.5
42	ok	0.15	0.1	1.48e-02	13.4	13.4	8.0	8.0	-56.5	25.7	16.8	162.7	528.8	-5.9
43	ok	0.15	0.5	9.52e-02	13.4	13.4	8.0	8.0	-556.0	-6.1	30.0	3190.4	105.5	336.4
44	ok	0.15	0.4	8.01e-02	13.4	13.4	8.0	8.0	-456.9	60.7	83.8	2244.4	-205.4	91.6
45	ok	0.15	0.4	6.28e-02	13.4	13.4	8.0	8.0	-355.3	49.6	73.4	1842.7	-99.5	-363.2
46	ok	0.15	0.3	4.91e-02	13.4	13.4	8.0	8.0	-210.1	39.3	86.3	1270.7	57.0	-114.6
47	ok	0.15	0.2	4.51e-02	13.4	13.4	8.0	8.0	-211.1	-20.6	-111.2	-200.1	163.8	-268.8
48	ok	0.15	0.2	4.02e-02	13.4	13.4	8.0	8.0	-179.9	-11.3	-108.9	-149.7	147.9	-78.2
49	ok	0.15	0.2	3.33e-02	13.4	13.4	8.0	8.0	-111.6	2.5	-80.2	42.1	196.5	-3.2
50	ok	0.15	0.1	2.61e-02	13.4	13.4	8.0	8.0	-84.1	10.3	-64.7	90.1	244.7	8.9
51	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-62.5	16.4	-51.3	122.5	279.2	26.8
52	ok	0.15	0.1	1.50e-02	13.4	13.4	8.0	8.0	-62.3	18.0	-51.3	122.6	280.1	36.4
53	ok	0.15	0.6	8.79e-02	13.4	13.4	8.0	8.0	-497.7	5.4	95.4	2987.6	215.8	437.6
54	ok	0.15	0.4	7.32e-02	13.4	13.4	8.0	8.0	-388.0	42.2	137.1	2479.7	-156.8	149.0
55	ok	0.15	0.4	5.69e-02	13.4	13.4	8.0	8.0	-302.7	55.9	73.4	2119.0	-66.4	-396.6
56	ok	0.15	0.3	5.56e-02	13.4	13.4	8.0	8.0	-210.7	-30.8	-141.2	-944.0	-35.7	-195.8

57	ok	0.15	0.2	5.30e-02	13.4	13.4	8.0	8.0	-273.3	-6.9	-84.7	-410.4	-154.3	-177.0
58	ok	0.15	0.2	4.52e-02	13.4	13.4	8.0	8.0	-228.0	3.3	-69.8	-259.5	-245.4	-49.9
59	ok	0.15	0.2	3.56e-02	13.4	13.4	8.0	8.0	-175.4	10.9	-58.1	-98.1	-267.8	-19.2
60	ok	0.15	0.1	2.69e-02	13.4	13.4	8.0	8.0	-129.2	16.8	-49.7	-20.9	-286.4	-9.6
61	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-66.9	24.7	-35.6	35.9	-299.6	22.9
62	ok	0.15	0.1	1.47e-02	13.4	13.4	8.0	8.0	-46.7	26.4	-28.5	24.4	-307.8	56.5
63	ok	0.15	0.5	6.81e-02	13.4	13.4	8.0	8.0	-262.4	33.7	137.1	2843.9	198.5	512.2
64	ok	0.15	0.4	6.65e-02	13.4	13.4	8.0	8.0	-266.4	0.3	180.8	2876.9	473.9	221.1
65	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-333.4	-50.1	-141.2	-1142.1	268.3	-340.4
66	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-328.1	-6.3	-140.6	-1189.5	-126.7	-70.0
67	ok	0.15	0.3	6.42e-02	13.4	13.4	8.0	8.0	-353.9	-0.2	-54.1	-590.5	-403.9	-86.7
68	ok	0.15	0.2	5.06e-02	13.4	13.4	8.0	8.0	-279.1	3.4	-31.1	-318.6	-457.2	-21.5
69	ok	0.15	0.2	3.72e-02	13.4	13.4	8.0	8.0	-139.7	16.5	32.0	-97.0	-569.8	-24.2
70	ok	0.15	0.1	2.68e-02	13.4	13.4	8.0	8.0	-102.8	20.7	27.5	-64.0	-653.1	-33.4
71	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-102.8	20.7	27.5	-72.5	-723.7	-32.1
72	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-73.8	22.7	23.0	-38.5	-736.3	-20.1
167	ok	0.15	6.94e-02	6.15e-03	13.4	13.4	8.0	8.0	-24.1	13.0	-14.5	68.1	369.0	-27.0
171	ok	0.15	7.70e-02	6.16e-03	13.4	13.4	8.0	8.0	-26.2	12.8	-14.5	67.0	368.8	-19.8
184	ok	0.15	7.65e-02	6.03e-03	13.4	13.4	8.0	8.0	-13.5	15.7	6.6	36.3	426.6	3.6
303	ok	0.15	0.6	7.38e-02	13.4	13.4	8.0	8.0	-364.2	-121.5	-141.3	2296.4	303.7	297.1
304	ok	0.15	0.4	5.05e-02	13.4	13.4	8.0	8.0	241.1	65.1	130.6	-56.8	-221.4	-189.7
305	ok	0.15	0.7	9.58e-02	13.4	13.4	8.0	8.0	-529.6	-259.8	-95.4	2985.2	196.1	207.7
306	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-600.9	-380.6	20.9	3180.6	23.7	-419.8
307	ok	0.15	0.6	0.1	13.4	13.4	8.0	8.0	-599.4	-390.3	54.3	3001.1	-55.6	-604.9
308	ok	0.15	0.6	0.1	13.4	13.4	8.0	8.0	-563.2	-376.4	76.4	2578.4	-130.1	-703.8
309	ok	0.15	0.6	0.1	13.4	13.4	8.0	8.0	-599.4	-390.3	-54.3	3001.1	-55.6	604.9
310	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-600.9	-380.6	-20.9	3180.6	23.7	419.8
311	ok	0.15	0.7	9.58e-02	13.4	13.4	8.0	8.0	-529.6	-259.8	95.4	2985.2	196.1	-207.7
312	ok	0.15	0.6	7.38e-02	13.4	13.4	8.0	8.0	-364.2	-121.5	141.3	2296.4	303.7	-297.1
313	ok	0.15	0.4	5.05e-02	13.4	13.4	8.0	8.0	-179.7	-99.4	141.3	1621.7	222.8	-278.7
345	ok	0.15	0.1	8.82e-03	13.4	13.4	8.0	8.0	-42.3	21.1	-19.3	-31.8	-678.4	11.0
410	ok	0.15	7.70e-02	6.16e-03	13.4	13.4	8.0	8.0	-26.2	12.8	14.5	67.0	368.8	19.8
418	ok	0.15	0.4	4.63e-02	13.4	13.4	8.0	8.0	-164.1	31.1	-141.3	1611.4	136.8	-332.8
419	ok	0.15	0.5	8.93e-02	13.4	13.4	8.0	8.0	-74.6	23.3	-180.8	3066.8	496.7	-181.0
420	ok	0.15	0.5	9.58e-02	13.4	13.4	8.0	8.0	-523.5	-28.3	140.6	-1283.1	15.3	138.6
422	ok	0.15	0.5	9.59e-02	13.4	13.4	8.0	8.0	-523.7	-29.8	140.6	-1301.8	-140.2	36.8
423	ok	0.15	0.3	7.92e-02	13.4	13.4	8.0	8.0	-458.7	-12.8	54.1	-623.9	-407.9	52.4
424	ok	0.15	0.2	5.60e-02	13.4	13.4	8.0	8.0	-325.7	-2.2	31.1	-319.0	-457.3	2.9
425	ok	0.15	0.2	3.78e-02	13.4	13.4	8.0	8.0	-218.8	7.7	26.5	-133.6	-536.5	-10.0
426	ok	0.15	0.1	2.57e-02	13.4	13.4	8.0	8.0	-146.2	15.6	27.3	-68.4	-640.0	-16.1
427	ok	0.15	0.1	1.77e-02	13.4	13.4	8.0	8.0	-95.2	21.6	-27.5	-73.8	-723.9	17.1
428	ok	0.15	0.1	1.22e-02	13.4	13.4	8.0	8.0	-41.4	27.9	21.6	-54.3	-759.5	-28.7
432	ok	0.15	6.94e-02	6.15e-03	13.4	13.4	8.0	8.0	-24.1	13.0	14.5	68.1	369.0	27.0
435	ok	0.15	6.94e-02	5.99e-03	13.4	13.4	8.0	8.0	-21.3	11.4	18.3	53.4	224.8	33.1
439	ok	0.15	9.03e-02	5.70e-03	13.4	13.4	8.0	8.0	-5.8	13.8	-15.5	-70.0	-396.5	51.4
441	ok	0.15	7.05e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	-7.4	24.2	249.5	9.6
446	ok	0.15	7.48e-02	4.18e-03	13.4	13.4	8.0	8.0	-1.0	13.1	-3.4	-34.9	-440.0	28.0
455	ok	0.15	9.00e-02	5.50e-03	13.4	13.4	8.0	8.0	-5.6	13.8	-15.5	-70.7	-396.6	33.6
457	ok	0.15	7.52e-02	4.20e-03	13.4	13.4	8.0	8.0	-2.2	13.0	3.4	-37.3	-440.3	-33.6
458	ok	0.15	0.1	8.82e-03	13.4	13.4	8.0	8.0	-42.3	21.1	19.3	-31.8	-678.4	-11.0
459	ok	0.15	9.03e-02	5.70e-03	13.4	13.4	8.0	8.0	-5.8	13.8	15.5	-70.0	-396.5	-51.4
460	ok	0.15	0.1	1.03e-02	13.4	13.4	8.0	8.0	-51.5	20.0	-19.3	-22.3	-677.3	-1.4
462	ok	0.15	8.34e-02	8.03e-03	13.4	13.4	8.0	8.0	-33.2	15.9	-23.7	76.5	237.8	-33.1
463	ok	0.15	5.67e-02	4.23e-03	13.4	13.4	8.0	8.0	-11.5	8.3	-12.7	34.4	226.2	-12.9
464	ok	0.15	8.70e-02	8.04e-03	13.4	13.4	8.0	8.0	-37.6	17.5	-18.8	105.5	406.8	-24.7
465	ok	0.15	5.28e-02	3.88e-03	13.4	13.4	8.0	8.0	-2.3	-16.1	-4.1	4.4	228.1	-42.1
466	ok	0.15	9.11e-02	8.35e-03	13.4	13.4	8.0	8.0	-40.8	17.1	-18.8	112.8	407.7	-18.2
467	ok	0.15	5.98e-02	4.13e-03	13.4	13.4	8.0	8.0	-12.6	10.3	-9.9	36.8	347.4	-13.9
468	ok	0.15	9.01e-02	8.43e-03	13.4	13.4	8.0	8.0	-26.6	13.9	-33.8	64.9	313.9	19.7
470	ok	0.15	9.11e-02	8.35e-03	13.4	13.4	8.0	8.0	-40.8	17.1	18.8	112.8	407.7	18.2
471	ok	0.15	6.82e-02	3.93e-03	13.4	13.4	8.0	8.0	-3.9	13.0	-2.5	11.3	396.1	-2.9
472	ok	0.15	8.70e-02	8.04e-03	13.4	13.4	8.0	8.0	-37.6	17.5	18.8	105.5	406.8	24.7
473	ok	0.15	6.34e-02	4.28e-03	13.4	13.4	8.0	8.0	-1.9	-20.7	3.7	-27.5	-342.6	-34.8
474	ok	0.15	8.34e-02	8.03e-03	13.4	13.4	8.0	8.0	-33.2	15.9	23.7	76.5	237.8	33.1
476	ok	0.15	6.81e-02	3.68e-03	13.4	13.4	8.0	8.0	-4.2	12.9	-2.5	8.9	395.9	-2.0
477	ok	0.15	0.1	7.82e-03	13.4	13.4	8.0	8.0	-11.9	18.3	-23.3	-70.6	-495.6	49.2
480	ok	0.15	6.82e-02	3.93e-03	13.4	13.4	8.0	8.0	-3.9	13.0	2.5	11.3	396.1	2.9
482	ok	0.15	7.37e-02	4.41e-03	13.4	13.4	8.0	8.0	-1.8	-23.3	2.4	-27.0	-367.4	-13.7
485	ok	0.15	5.98e-02	4.13e-03	13.4	13.4	8.0	8.0	-12.6	10.3	9.9	36.8	347.4	13.9
489	ok	0.15	5.67e-02	4.23e-03	13.4	13.4	8.0	8.0	-11.5	8.3	12.7	34.4	226.2	12.9
491	ok	0.15	7.36e-02	4.41e-03	13.4	13.4	8.0	8.0	-1.6	-23.2	-2.4	-27.0	-367.4	5.3
493	ok	0.15	7.52e-02	4.20e-03	13.4	13.4	8.0	8.0	-2.2	13.0	-3.4	-37.3	-440.3	33.6
498	ok	0.15	7.37e-02	4.41e-03	13.4	13.4	8.0	8.0	-1.8	-23.3	-2.4	-27.0	-367.4	13.7
507	ok	0.15	6.34e-02	4.28e-03	13.4	13.4	8.0	8.0	-1.9	-20.7	-3.7	-27.5	-342.6	34.8
515	ok	0.15	5.28e-02	3.88e-03	13.4	13.4	8.0	8.0	-2.3	-16.1	4.1	4.4	228.1	42.1
518	ok	0.15	0.1	6.80e-03	13.4	13.4	8.0	8.0	-11.4	18.3	23.3	-69.4	-495.5	-27.8
523	ok	0.15	7.04e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.5	-15.9	7.4	17.2	248.7	8.2

526	ok	0.15	7.48e-02	4.18e-03	13.4	13.4	8.0	8.0	-6.2	9.1	15.5	-60.7	-313.3	-34.2
527	ok	0.15	7.04e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.5	-15.9	-7.4	17.2	248.7	-8.2
539	ok	0.15	0.4	4.63e-02	13.4	13.4	8.0	8.0	-72.3	42.1	180.8	3044.3	308.8	353.1
540	ok	0.15	0.5	8.93e-02	13.4	13.4	8.0	8.0	-74.6	23.3	180.8	3066.8	496.7	181.0
542	ok	0.15	0.5	9.58e-02	13.4	13.4	8.0	8.0	-523.5	-28.3	-140.6	-1283.1	15.3	-138.6
543	ok	0.15	0.5	9.59e-02	13.4	13.4	8.0	8.0	-523.7	-29.8	-140.6	-1301.8	-140.2	-36.8
544	ok	0.15	0.3	7.92e-02	13.4	13.4	8.0	8.0	-458.7	-12.8	-54.1	-623.9	-407.9	-52.4
545	ok	0.15	0.2	5.60e-02	13.4	13.4	8.0	8.0	-325.7	-2.2	-31.1	-319.0	-457.3	-2.9
546	ok	0.15	0.2	3.78e-02	13.4	13.4	8.0	8.0	-218.8	7.7	-26.5	-133.6	-536.5	10.0
547	ok	0.15	0.1	2.57e-02	13.4	13.4	8.0	8.0	-95.2	21.6	27.5	-65.4	-653.3	-18.3
548	ok	0.15	0.1	1.77e-02	13.4	13.4	8.0	8.0	-95.2	21.6	27.5	-73.8	-723.9	-17.1
549	ok	0.15	0.1	1.22e-02	13.4	13.4	8.0	8.0	-64.2	23.8	23.0	-47.2	-737.3	-16.5
550	ok	0.15	0.5	6.81e-02	13.4	13.4	8.0	8.0	-262.4	33.7	-137.1	2843.9	198.5	-512.2
551	ok	0.15	0.4	6.65e-02	13.4	13.4	8.0	8.0	-266.4	0.3	-180.8	2876.9	473.9	-221.1
552	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-333.4	-50.1	141.2	-1142.1	268.3	340.4
553	ok	0.15	0.4	6.91e-02	13.4	13.4	8.0	8.0	-328.1	-6.3	140.6	-1189.5	-126.7	70.0
554	ok	0.15	0.3	6.42e-02	13.4	13.4	8.0	8.0	-353.9	-0.2	54.1	-590.5	-403.9	86.7
555	ok	0.15	0.2	5.06e-02	13.4	13.4	8.0	8.0	-279.1	3.4	31.1	-318.6	-457.2	21.5
556	ok	0.15	0.2	3.72e-02	13.4	13.4	8.0	8.0	-202.4	9.6	26.5	-135.6	-536.7	12.0
557	ok	0.15	0.1	2.68e-02	13.4	13.4	8.0	8.0	-102.8	20.7	-27.5	-64.0	-653.1	33.4
558	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-102.8	20.7	-27.5	-72.5	-723.7	32.1
559	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-73.8	22.7	-23.0	-38.5	-736.3	20.1
560	ok	0.15	0.6	8.79e-02	13.4	13.4	8.0	8.0	-343.1	82.5	77.3	2730.8	375.7	-542.5
562	ok	0.15	0.4	7.32e-02	13.4	13.4	8.0	8.0	-384.8	69.4	-83.8	2477.2	-177.4	-134.4
564	ok	0.15	0.4	5.69e-02	13.4	13.4	8.0	8.0	-306.0	28.6	-98.8	2140.7	114.6	473.8
566	ok	0.15	0.3	5.56e-02	13.4	13.4	8.0	8.0	-210.7	-30.8	141.2	-944.0	-35.7	195.8
568	ok	0.15	0.2	5.30e-02	13.4	13.4	8.0	8.0	-273.3	-6.9	84.7	-410.4	-154.3	177.0
569	ok	0.15	0.2	4.52e-02	13.4	13.4	8.0	8.0	-228.0	3.3	69.8	-259.5	-245.4	49.9
571	ok	0.15	0.2	3.56e-02	13.4	13.4	8.0	8.0	-175.4	10.9	58.1	-98.1	-267.8	19.2
573	ok	0.15	0.1	2.69e-02	13.4	13.4	8.0	8.0	-129.2	16.8	49.7	-20.9	-286.4	9.6
575	ok	0.15	0.1	2.00e-02	13.4	13.4	8.0	8.0	-66.9	24.7	35.6	35.9	-299.6	-22.9
576	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-47.2	22.5	28.5	25.0	-302.8	-70.8
578	ok	0.15	0.1	1.12e-02	13.4	13.4	8.0	8.0	-45.5	18.4	40.0	105.2	243.0	-56.9
580	ok	0.15	0.1	1.13e-02	13.4	13.4	8.0	8.0	-56.9	22.5	-16.8	161.6	520.0	0.9
582	ok	0.15	0.1	1.10e-02	13.4	13.4	8.0	8.0	-59.6	22.2	16.8	167.2	520.7	-2.8
584	ok	0.15	0.1	1.13e-02	13.4	13.4	8.0	8.0	-56.9	22.5	16.8	161.6	520.0	-0.9
586	ok	0.15	0.1	1.12e-02	13.4	13.4	8.0	8.0	-36.9	23.3	18.8	109.2	437.4	18.1
587	ok	0.15	0.1	6.80e-03	13.4	13.4	8.0	8.0	-11.4	18.3	-23.3	-69.4	-495.5	27.8
588	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-47.2	22.5	-28.5	25.0	-302.8	70.8
590	ok	0.15	0.1	1.03e-02	13.4	13.4	8.0	8.0	-51.5	20.0	19.3	-22.3	-677.3	1.4
591	ok	0.15	7.05e-02	3.48e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	7.4	24.2	249.5	-9.6
603	ok	0.15	0.1	7.82e-03	13.4	13.4	8.0	8.0	-11.9	18.3	23.3	-70.6	-495.6	-49.2
605	ok	0.15	9.00e-02	5.50e-03	13.4	13.4	8.0	8.0	-5.6	13.8	15.5	-70.7	-396.6	-33.6
609	ok	0.15	6.94e-02	5.99e-03	13.4	13.4	8.0	8.0	-21.3	11.4	-18.3	53.4	224.8	-33.1

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**
								-600.95	-390.31	-180.85	-1301.77	-759.53	-703.80
	0.15	0.76	0.10	13.40	13.40	8.04	8.04	241.05	82.51	180.85	3190.43	529.49	604.87

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
2	ok	0.75						
3	ok	3.27						
4	ok	1.29						
5	ok	1.11						
6	ok	1.19						
7	ok	1.09						
8	ok	0.89						
9	ok	0.70						
10	ok	0.60						
11	ok	0.58						
12	ok	0.53						
13	ok	3.31						
14	ok	1.23						
15	ok	0.68						
16	ok	0.72						
17	ok	0.67						
18	ok	0.59						
19	ok	0.47						
20	ok	0.38						
21	ok	0.41						
22	ok	0.36						
23	ok	2.94						
24	ok	1.17						
25	ok	0.40						
26	ok	0.33						

27	ok	0.34						
28	ok	0.34						
29	ok	0.26						
30	ok	0.26						
31	ok	0.38						
32	ok	0.37						
33	ok	3.31						
34	ok	1.23						
35	ok	0.68						
36	ok	0.72						
37	ok	0.67						
38	ok	0.59						
39	ok	0.47						
40	ok	0.38						
41	ok	0.41						
42	ok	0.36						
43	ok	3.27						
44	ok	1.29						
45	ok	1.11						
46	ok	1.19						
47	ok	1.09						
48	ok	0.89						
49	ok	0.70						
50	ok	0.60						
51	ok	0.58						
52	ok	0.53						
53	ok	2.50						
54	ok	1.45						
55	ok	1.62						
56	ok	1.71						
57	ok	1.53						
58	ok	1.23						
59	ok	0.95						
60	ok	0.84						
61	ok	0.82						
62	ok	0.75						
63	ok	2.48						
64	ok	2.37						
65	ok	2.20						
66	ok	2.31						
67	ok	2.00						
68	ok	1.59						
69	ok	1.22						
70	ok	1.08						
71	ok	1.07						
72	ok	1.00						
167	ok	0.29						
171	ok	0.19						
184	ok	0.14						
303	ok	2.54						
304	ok	4.05						
305	ok	3.50						
306	ok	4.11						
307	ok	4.08						
308	ok	3.75						
309	ok	4.08						
310	ok	4.11						
311	ok	3.50						
312	ok	2.54						
313	ok	4.05						
345	ok	0.81						
410	ok	0.19						
418	ok	4.18						
419	ok Av	4.60	0.20	0.08	5.1	2.0	130.2	50.6
420	ok	4.38						
422	ok	3.60						
423	ok	2.16						
424	ok	1.64						
425	ok	1.31						
426	ok	1.11						
427	ok	1.08						
428	ok	1.01						
432	ok	0.29						
435	ok	0.39						
439	ok	0.48						
441	ok	0.52						
446	ok	0.39						

455	ok	0.48
457	ok	0.39
458	ok	0.81
459	ok	0.48
460	ok	0.79
462	ok	0.47
463	ok	0.31
464	ok	0.34
465	ok	0.39
466	ok	0.24
467	ok	0.23
468	ok	0.16
470	ok	0.24
471	ok	0.16
472	ok	0.34
473	ok	0.29
474	ok	0.47
476	ok	0.12
477	ok	0.60
480	ok	0.16
482	ok	0.19
485	ok	0.23
489	ok	0.31
491	ok	0.12
493	ok	0.39
498	ok	0.19
507	ok	0.29
515	ok	0.39
518	ok	0.59
523	ok	0.52
526	ok	0.39
527	ok	0.52
539	ok	4.18
540	ok	4.60
542	ok	4.38
543	ok	3.60
544	ok	2.16
545	ok	1.64
546	ok	1.31
547	ok	1.11
548	ok	1.08
549	ok	1.01
550	ok	2.48
551	ok	2.37
552	ok	2.20
553	ok	2.31
554	ok	2.00
555	ok	1.59
556	ok	1.22
557	ok	1.08
558	ok	1.07
559	ok	1.00
560	ok	2.50
562	ok	1.45
564	ok	1.62
566	ok	1.71
568	ok	1.53
569	ok	1.23
571	ok	0.95
573	ok	0.84
575	ok	0.82
576	ok	0.60
578	ok	0.43
580	ok	0.28
582	ok	0.18
584	ok	0.28
586	ok	0.43
587	ok	0.59
588	ok	0.60
590	ok	0.79
591	ok	0.52
603	ok	0.60
605	ok	0.48
609	ok	0.39

Nodo		Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		4.60	0.20	0.08	5.09	1.98	130.21	50.62

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	35.00	1	2	Singolo elemento

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
161	ok	0.15	7.04e-02	3.44e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	7.1	23.5	248.6	-8.6
214	ok	0.15	0.4	4.11e-02	13.4	13.4	8.0	8.0	-8.6	139.2	-100.3	1381.4	668.6	-957.0
215	ok	0.16	1.0	0.2	15.8	14.9	10.4	9.5	-706.6	100.0	139.8	2645.8	439.1	-720.0
226	ok	0.16	1.0	0.2	14.3	16.0	8.9	10.4	-706.6	100.0	139.8	2645.8	439.1	-720.0
237	ok	0.17	1.0	0.3	20.4	19.8	16.2	15.8	-252.9	476.0	602.3	3017.6	875.1	-590.3
248	ok	0.17	1.0	0.3	17.4	19.8	12.1	14.5	-1255.7	-530.7	-581.0	-2204.9	-440.1	500.4
258	ok	0.15	1.0	0.2	13.4	13.5	8.0	13.0	671.8	-743.6	47.1	440.0	-2327.9	93.5
269	ok	0.17	1.0	0.3	17.4	19.8	12.1	14.5	-1255.7	-530.7	581.0	-2204.9	-440.1	-500.4
280	ok	0.17	1.0	0.3	20.3	19.6	16.2	15.8	-252.9	476.0	-602.2	3017.6	875.1	590.4
291	ok	0.16	1.0	0.2	14.3	16.0	8.9	10.4	-706.6	100.0	-139.8	2645.8	439.1	720.0
302	ok	0.16	1.0	0.2	15.8	14.9	10.5	9.5	-706.6	100.0	-139.8	2645.8	439.1	720.0
313	ok	0.15	0.4	4.11e-02	13.4	13.4	8.0	8.0	-8.6	139.2	100.3	1381.4	668.6	957.0
421	ok	0.15	0.1	9.01e-03	13.4	13.4	8.0	8.0	-18.8	22.0	-32.6	-60.5	-579.4	16.8
429	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-60.0	-257.8	413.5	525.5	842.4	-80.0
431	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-384.0	-68.8	277.7	-99.5	733.0	408.1
434	ok	0.15	0.5	0.1	13.4	13.4	8.0	8.0	-519.2	115.6	98.3	-447.4	80.8	184.7
436	ok	0.15	0.4	9.27e-02	13.4	13.4	8.0	8.0	-527.3	48.0	98.3	-505.6	-404.2	212.1
438	ok	0.15	0.3	7.79e-02	13.4	13.4	8.0	8.0	-457.3	-1.0	-9.6	-367.7	-440.9	47.2
440	ok	0.15	0.2	5.59e-02	13.4	13.4	8.0	8.0	-326.2	-6.3	-26.9	-234.1	-456.8	-16.6
442	ok	0.15	0.2	3.75e-02	13.4	13.4	8.0	8.0	-193.2	8.0	-62.5	-118.2	-603.4	-20.0
445	ok	0.15	0.1	2.64e-02	13.4	13.4	8.0	8.0	-137.5	13.6	-53.0	-84.6	-680.9	-14.0
446	ok	0.15	7.46e-02	4.06e-03	13.4	13.4	8.0	8.0	-6.3	8.9	16.1	-62.0	-312.8	-34.5
447	ok	0.15	0.1	1.87e-02	13.4	13.4	8.0	8.0	-95.4	19.9	-42.7	-69.5	-748.9	1.9
449	ok	0.15	0.1	1.30e-02	13.4	13.4	8.0	8.0	-41.6	26.6	-25.9	-60.5	-768.4	22.8
455	ok	0.15	8.98e-02	5.30e-03	13.4	13.4	8.0	8.0	-5.7	13.7	16.1	-72.1	-396.6	-33.9
458	ok	0.15	0.1	9.01e-03	13.4	13.4	8.0	8.0	-42.1	22.8	25.9	-54.3	-716.5	-31.8
521	ok	0.15	0.1	6.67e-03	13.4	13.4	8.0	8.0	-11.7	18.0	-24.4	-71.7	-497.1	27.9
537	ok	0.15	7.46e-02	4.06e-03	13.4	13.4	8.0	8.0	-6.3	8.9	-16.1	-62.0	-312.8	34.5
539	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-40.7	-128.4	100.3	1404.3	860.1	439.7
540	ok	0.15	0.8	0.1	13.4	13.4	8.0	8.0	-70.5	-31.2	-189.6	807.5	841.9	23.2
542	ok	0.15	0.5	0.1	13.4	13.4	8.0	8.0	-519.2	115.6	-98.3	-447.4	80.8	-184.7
543	ok	0.15	0.4	9.27e-02	13.4	13.4	8.0	8.0	-527.3	48.0	-98.3	-505.6	-404.2	-212.1
544	ok	0.15	0.3	7.79e-02	13.4	13.4	8.0	8.0	-457.3	-1.0	9.6	-367.7	-440.9	-47.2
545	ok	0.15	0.2	5.59e-02	13.4	13.4	8.0	8.0	-326.2	-6.3	26.9	-234.1	-456.8	16.6
546	ok	0.15	0.2	3.75e-02	13.4	13.4	8.0	8.0	-193.2	8.0	62.5	-118.2	-603.4	20.0
547	ok	0.15	0.1	2.64e-02	13.4	13.4	8.0	8.0	-137.5	13.6	53.0	-84.6	-680.9	14.0
548	ok	0.15	0.1	1.87e-02	13.4	13.4	8.0	8.0	-95.4	19.9	42.7	-69.5	-748.9	-1.9
549	ok	0.15	0.1	1.30e-02	13.4	13.4	8.0	8.0	-41.6	26.6	25.9	-60.5	-768.4	-22.8
587	ok	0.15	0.1	6.67e-03	13.4	13.4	8.0	8.0	-11.7	18.0	24.4	-71.7	-497.1	-27.9
591	ok	0.15	7.04e-02	3.44e-03	13.4	13.4	8.0	8.0	-3.6	-15.9	-7.1	23.5	248.6	8.6
610	ok	0.15	8.98e-02	5.30e-03	13.4	13.4	8.0	8.0	-5.7	13.7	-16.1	-72.1	-396.6	33.9
614	ok	0.15	9.80e-02	1.05e-02	13.4	13.4	8.0	8.0	-29.6	22.9	-23.9	-15.1	-311.0	78.1
615	ok	0.15	0.1	1.08e-02	13.4	13.4	8.0	8.0	-41.3	16.2	-41.0	105.3	240.4	55.2
616	ok	0.19	1.0	0.4	24.4	23.8	29.4	29.6	-1537.8	-989.3	-1024.3	1745.6	1142.4	1213.9
617	ok	0.17	1.0	0.3	20.3	19.6	15.1	15.7	-851.8	-782.7	-845.7	2261.3	828.4	258.8
618	ok	0.19	1.0	0.4	22.7	22.4	30.9	31.3	-1117.9	-1874.4	-1013.8	1158.7	434.0	1283.1
619	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-37.2	13.4	-43.4	134.1	398.8	36.2
620	ok	0.15	0.1	1.04e-02	13.4	13.4	8.0	8.0	-55.1	19.2	-15.7	181.1	516.9	3.7
621	ok	0.15	1.0	7.88e-02	13.4	13.4	8.1	8.1	117.9	587.9	-100.0	-173.2	-2.7	-22.8
622	ok	0.15	1.0	0.1	13.9	14.3	8.5	8.9	258.7	501.0	339.4	-26.7	166.4	104.3
623	ok	0.19	1.0	0.3	21.3	21.3	27.9	29.3	671.8	-743.6	-47.1	440.0	-2327.9	-93.5
624	ok	0.15	0.1	1.07e-02	13.4	13.4	8.0	8.0	-37.2	13.4	43.4	134.1	398.8	-36.2
625	ok	0.17	1.0	0.3	20.3	19.6	13.6	14.1	-1365.1	-215.8	-565.8	1069.3	1576.7	316.3
626	ok	0.15	7.52e-02	4.07e-03	13.4	13.4	8.0	8.0	-6.3	8.9	16.1	-61.3	-312.7	-52.4
627	ok	0.17	1.0	0.2	20.1	20.2	14.7	14.9	239.7	736.8	352.8	78.8	222.4	132.0
628	ok	0.15	0.1	1.08e-02	13.4	13.4	8.0	8.0	-41.3	16.2	41.0	105.3	240.4	-55.2
629	ok	0.18	1.0	0.2	21.6	21.1	16.2	15.8	-1029.0	-500.5	-650.4	124.9	333.6	209.3
630	ok	0.15	6.75e-02	3.87e-03	13.4	13.4	8.0	8.0	-13.3	9.8	9.6	29.3	347.2	10.0
631	ok	0.15	9.80e-02	1.05e-02	13.4	13.4	8.0	8.0	-29.6	22.9	23.9	-15.1	-311.0	-78.1
632	ok	0.19	1.0	0.3	27.7	26.6	16.1	15.7	-1925.4	-351.8	-554.2	378.0	257.7	294.5
633	ok	0.18	1.0	0.4	26.1	24.1	10.7	10.7	-2442.9	-323.0	-434.4	1416.7	98.6	83.6
634	ok	0.19	1.0	0.3	21.3	21.2	27.9	29.4	671.8	-743.6	47.1	440.0	-2327.9	93.5
635	ok	0.16	1.0	0.3	20.5	17.9	13.0	11.4	-1560.1	-314.2	-734.7	1136.5	369.5	386.3
636	ok	0.16	1.0	0.3	17.4	16.5	11.6	10.7	-1567.9	178.5	160.6	754.5	631.4	31.7
637	ok	0.19	1.0	0.3	27.3	26.3	13.5	13.1	-2037.7	-147.4	411.9	862.8	153.5	-128.1

638	ok	0.17	1.0	0.2	19.4	18.6	13.9	13.2	-1226.6	-331.3	535.3	192.4	583.4	-407.6
639	ok	0.19	1.0	0.3	27.7	26.6	16.1	15.7	-1925.4	-351.8	554.2	378.0	257.7	-294.5
640	ok	0.15	0.1	9.90e-03	13.4	13.4	8.0	8.0	-44.4	22.5	25.9	-44.3	-715.3	-42.9
641	ok	0.15	7.01e-02	5.78e-03	13.4	13.4	8.0	8.0	-9.2	15.4	10.5	-52.7	-273.7	-70.9
642	ok	0.15	0.1	7.43e-03	13.4	13.4	8.0	8.0	-11.7	18.0	-24.4	-73.1	-497.3	49.7
643	ok	0.15	8.32e-02	7.63e-03	13.4	13.4	8.0	8.0	-18.1	19.5	-17.1	-44.4	-295.1	82.8
644	ok	0.15	7.26e-02	4.61e-03	13.4	13.4	8.0	8.0	-1.5	-24.3	2.5	-27.8	-367.9	-5.4
645	ok	0.15	8.50e-02	7.89e-03	13.4	13.4	8.0	8.0	-23.0	16.0	17.5	53.5	236.0	31.8
646	ok	0.15	8.83e-02	8.11e-03	13.4	13.4	8.0	8.0	-24.7	17.6	13.9	73.1	402.7	19.5
647	ok	0.15	8.74e-02	8.12e-03	13.4	13.4	8.0	8.0	-24.6	12.7	33.7	65.1	314.4	-20.3
648	ok	0.15	8.83e-02	8.11e-03	13.4	13.4	8.0	8.0	-27.7	12.3	33.7	67.2	314.7	-36.8
649	ok	0.15	8.50e-02	7.89e-03	13.4	13.4	8.0	8.0	-23.0	16.0	-17.5	53.5	236.0	-31.8
650	ok	0.15	8.32e-02	7.63e-03	13.4	13.4	8.0	8.0	-18.1	19.5	17.1	-44.4	-295.1	-82.8
651	ok	0.15	0.1	7.43e-03	13.4	13.4	8.0	8.0	-11.7	18.0	24.4	-73.1	-497.3	-49.7
652	ok	0.17	1.0	0.3	20.0	17.7	14.7	12.3	-1928.9	332.9	300.6	1811.3	757.4	-787.4
653	ok	0.15	9.02e-02	5.51e-03	13.4	13.4	8.0	8.0	-5.7	13.7	16.1	-71.3	-396.6	-51.8
654	ok	0.16	1.0	0.3	16.9	16.0	11.6	10.6	-1131.3	-158.5	189.6	921.2	855.5	-11.7
655	ok	0.15	7.27e-02	4.61e-03	13.4	13.4	8.0	8.0	-1.8	-24.3	2.5	-27.7	-367.9	-14.0
656	ok	0.15	0.9	0.2	13.4	13.4	8.0	8.0	-862.1	-163.4	-231.5	119.2	512.4	341.8
657	ok	0.15	0.1	9.90e-03	13.4	13.4	8.0	8.0	-44.4	22.5	-25.9	-44.3	-715.3	42.9
658	ok	0.15	0.4	8.63e-02	13.4	13.4	8.0	8.0	-489.0	52.6	98.3	-475.4	-400.6	108.5
659	ok	0.16	1.0	0.1	15.2	15.3	11.4	12.1	231.0	734.3	-356.0	5.3	289.1	-65.7
660	ok	0.15	0.3	6.15e-02	13.4	13.4	8.0	8.0	-351.1	11.7	-9.6	-377.7	-442.1	35.7
661	ok	0.15	7.01e-02	5.78e-03	13.4	13.4	8.0	8.0	-9.2	15.4	-10.5	-52.7	-273.7	70.9
662	ok	0.15	0.2	4.70e-02	13.4	13.4	8.0	8.0	-256.9	2.0	-26.9	-250.3	-458.8	-23.5
663	ok	0.15	6.25e-02	4.46e-03	13.4	13.4	8.0	8.0	-1.8	-21.6	3.9	-28.2	-343.1	-35.4
664	ok	0.15	0.2	3.50e-02	13.4	13.4	8.0	8.0	-167.4	11.1	-62.5	-120.7	-603.7	-35.5
665	ok	0.15	9.02e-02	5.51e-03	13.4	13.4	8.0	8.0	-5.7	13.7	-16.1	-71.3	-396.6	51.8
666	ok	0.15	0.1	2.63e-02	13.4	13.4	8.0	8.0	-122.4	15.4	-53.0	-82.4	-680.6	-31.6
667	ok	0.15	7.52e-02	4.07e-03	13.4	13.4	8.0	8.0	-6.3	8.9	-16.1	-61.3	-312.7	52.4
668	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-89.0	20.7	-42.7	-62.6	-748.0	-13.2
669	ok	0.15	5.91e-02	4.04e-03	13.4	13.4	8.0	8.0	-0.2	-8.3	-3.9	-24.0	-308.3	32.2
670	ok	0.15	0.1	1.40e-02	13.4	13.4	8.0	8.0	-44.0	26.3	-25.9	-50.6	-767.3	33.9
671	ok	0.15	0.7	0.1	13.4	13.4	8.0	8.0	-387.3	48.3	-143.5	-216.7	173.0	-88.4
672	ok	0.16	1.0	0.2	17.6	17.3	12.2	11.9	-628.5	-474.4	-551.1	153.6	307.1	190.3
673	ok	0.16	1.0	0.2	17.6	17.3	12.2	11.9	-881.3	-45.0	-285.3	-1.4	451.7	258.9
674	ok	0.15	5.24e-02	4.02e-03	13.4	13.4	8.0	8.0	-2.2	-16.4	-3.8	3.8	227.4	-43.1
675	ok	0.15	0.3	6.46e-02	13.4	13.4	8.0	8.0	-178.1	23.4	-64.7	-254.7	-248.5	-15.3
676	ok	0.15	0.2	4.47e-02	13.4	13.4	8.0	8.0	-181.7	-6.7	-64.7	-257.8	-274.2	-42.6
677	ok	0.15	0.2	3.36e-02	13.4	13.4	8.0	8.0	-137.6	6.3	-85.2	-89.1	-316.5	-54.6
678	ok	0.15	0.1	2.55e-02	13.4	13.4	8.0	8.0	-103.5	11.5	-69.3	-29.8	-320.6	-41.2
679	ok	0.15	0.1	1.92e-02	13.4	13.4	8.0	8.0	-60.0	20.1	-42.2	31.0	-318.7	8.2
680	ok	0.15	0.1	1.44e-02	13.4	13.4	8.0	8.0	-43.5	23.6	-32.0	21.7	-316.9	49.6
681	ok	0.17	1.0	0.3	20.0	17.6	14.7	12.3	-1560.1	-314.2	734.7	1136.5	369.5	-386.3
682	ok	0.16	1.0	0.3	19.3	17.7	11.3	10.5	-1928.9	332.9	-300.6	1811.3	757.4	787.4
683	ok	0.19	1.0	0.4	22.7	22.4	30.9	31.3	-1117.9	-1874.4	1013.8	1158.7	434.0	-1283.1
684	ok	0.15	0.5	8.59e-02	13.4	13.4	8.0	8.0	-228.0	91.6	-202.7	-182.4	181.0	-139.3
685	ok	0.15	0.3	6.11e-02	13.4	13.4	8.0	8.0	-238.5	4.3	-202.7	-190.4	114.1	-110.7
686	ok	0.15	0.2	4.38e-02	13.4	13.4	8.0	8.0	-151.8	-15.9	-154.5	-117.3	104.4	-68.6
687	ok	0.15	0.2	3.14e-02	13.4	13.4	8.0	8.0	-84.3	-12.4	-86.2	38.9	157.9	-33.0
688	ok	0.15	0.1	2.40e-02	13.4	13.4	8.0	8.0	-68.6	-2.0	-67.4	88.5	217.4	-9.2
689	ok	0.15	0.1	1.86e-02	13.4	13.4	8.0	8.0	-54.6	8.4	-52.8	122.1	263.6	18.7
690	ok	0.15	0.1	1.43e-02	13.4	13.4	8.0	8.0	-53.9	13.9	-52.8	123.2	272.8	31.2
691	ok	0.17	1.0	0.3	20.0	17.7	14.7	12.3	-1928.9	332.9	300.6	1811.3	757.4	-787.4
692	ok	0.16	1.0	0.3	19.0	17.7	11.9	10.7	-1136.7	-167.0	421.1	2112.5	695.7	-881.1
693	ok	0.16	1.0	0.2	17.6	17.4	12.3	12.0	-843.3	-344.4	527.4	14.1	446.5	-202.5
694	ok	0.15	0.5	6.25e-02	13.4	13.4	8.0	8.0	-174.6	-31.1	-245.8	-116.2	-231.2	-178.9
695	ok	0.15	0.4	5.83e-02	13.4	13.4	8.0	8.0	-142.3	-24.1	-244.0	-145.8	226.5	-129.5
696	ok	0.15	0.2	3.89e-02	13.4	13.4	8.0	8.0	-84.2	-34.7	-161.0	-79.0	260.6	-65.6
697	ok	0.15	0.2	2.84e-02	13.4	13.4	8.0	8.0	-62.8	-23.2	-87.0	72.1	335.1	-8.7
698	ok	0.15	0.1	2.20e-02	13.4	13.4	8.0	8.0	-55.7	-9.9	-69.0	123.8	402.9	12.0
699	ok	0.15	0.1	1.75e-02	13.4	13.4	8.0	8.0	-47.0	2.7	-54.9	157.7	447.1	26.3
700	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-46.1	10.2	-54.9	157.7	446.8	29.3
701	ok	0.19	1.0	0.4	24.4	23.8	29.4	29.6	-1537.8	-989.3	1024.3	1745.6	1142.4	-1213.9
702	ok	0.18	1.0	0.4	27.5	25.2	20.2	19.8	-1546.7	-1002.7	-1015.8	2135.1	633.2	1142.2
703	ok	0.17	1.0	0.3	16.9	18.4	14.0	14.8	-706.6	100.0	139.8	2645.8	439.1	-720.0
704	ok	0.16	1.0	0.3	17.4	16.5	11.6	10.6	-1567.9	178.5	-160.6	754.5	631.4	-31.7
705	ok	0.15	0.4	5.18e-02	13.4	13.4	8.0	8.0	20.6	53.2	-244.0	-102.3	233.4	-169.1
706	ok	0.15	0.3	4.75e-02	13.4	13.4	8.0	8.0	13.6	-5.4	-244.0	-102.5	231.7	-129.9
707	ok	0.15	0.2	3.19e-02	13.4	13.4	8.0	8.0	-17.0	-48.5	-146.8	-30.8	394.9	-46.9
708	ok	0.15	0.2	2.45e-02	13.4	13.4	8.0	8.0	-42.7	-34.0	83.4	100.7	479.1	-18.7
709	ok	0.15	0.1	1.97e-02	13.4	13.4	8.0	8.0	-42.6	-16.6	67.8	146.0	537.5	-31.3
710	ok	0.15	0.1	1.61e-02	13.4	13.4	8.0	8.0	-38.0	3.8	54.9	161.0	447.5	-26.2
711	ok	0.15	0.1	1.30e-02	13.4	13.4	8.0	8.0	-68.6	16.9	-18.5	175.9	514.3	10.5
712	ok	0.18	1.0	0.4	25.7	23.8	12.5	11.4	-2442.9	-323.0	434.4	1416.7	98.6	-83.6
713	ok	0.17	1.0	0.3	20.4	19.8	15.1	15.7	-851.8	-782.7	845.7	2261.3	828.4	-258.8
714	ok	0.18	1.0	0.2	21.6	21.1	16.2	15.8	-1029.1	-500.5	650.4	124.9	333.6	-209.3

715	ok	0.15	0.5	6.25e-02	13.4	13.4	8.0	8.0	-174.6	-31.1	245.8	-116.2	-231.2	178.9
716	ok	0.15	0.4	5.83e-02	13.4	13.4	8.0	8.0	-142.3	-24.1	244.0	-145.8	226.5	129.5
717	ok	0.15	0.2	3.89e-02	13.4	13.4	8.0	8.0	-84.2	-34.7	161.0	-79.0	260.6	65.6
718	ok	0.15	0.2	2.84e-02	13.4	13.4	8.0	8.0	-62.8	-23.2	87.0	72.1	335.1	8.7
719	ok	0.15	0.1	2.20e-02	13.4	13.4	8.0	8.0	-55.7	-9.9	69.0	123.8	402.9	-12.0
720	ok	0.15	0.1	1.75e-02	13.4	13.4	8.0	8.0	-47.0	2.7	54.9	157.7	447.1	-26.3
721	ok	0.15	0.1	1.38e-02	13.4	13.4	8.0	8.0	-46.1	10.2	54.9	157.7	446.8	-29.3
722	ok	0.16	1.0	0.3	20.5	17.9	13.0	11.4	-1928.9	332.9	-300.6	1811.3	757.4	787.4
723	ok	0.17	1.0	0.3	20.4	19.8	13.6	14.1	-1365.1	-215.8	565.8	1069.4	1576.8	-316.3
724	ok	0.17	1.0	0.2	19.4	18.6	13.9	13.2	-1226.6	-331.3	-535.3	192.4	583.4	407.6
725	ok	0.17	1.0	0.2	20.1	20.2	14.7	14.9	239.7	736.8	-352.8	78.8	222.4	-132.0
726	ok	0.15	0.5	8.59e-02	13.4	13.4	8.0	8.0	-228.0	91.6	202.7	-182.4	181.0	139.3
727	ok	0.15	0.3	6.11e-02	13.4	13.4	8.0	8.0	-238.5	4.3	202.7	-190.4	114.1	110.7
728	ok	0.15	0.2	4.38e-02	13.4	13.4	8.0	8.0	-151.8	-15.9	154.5	-117.3	104.4	68.6
729	ok	0.15	0.2	3.14e-02	13.4	13.4	8.0	8.0	-84.3	-12.4	86.2	38.9	157.9	33.0
730	ok	0.15	0.1	2.40e-02	13.4	13.4	8.0	8.0	-68.6	-2.0	67.4	88.5	217.4	9.2
731	ok	0.15	0.1	1.86e-02	13.4	13.4	8.0	8.0	-54.6	8.4	52.8	122.1	263.6	-18.7
732	ok	0.15	0.1	1.43e-02	13.4	13.4	8.0	8.0	-53.9	13.9	52.8	123.2	272.8	-31.2
733	ok	0.16	1.0	0.2	14.6	14.7	9.3	9.4	-387.3	48.3	-143.5	-216.7	173.0	-88.4
734	ok	0.16	1.0	0.2	14.8	14.8	9.4	9.4	-522.2	-89.7	260.0	-190.2	335.9	37.1
735	ok	0.16	1.0	0.2	17.6	17.4	12.3	12.0	-346.1	204.3	-18.7	-403.1	253.2	-60.6
736	ok	0.15	7.04e-02	3.43e-03	13.4	13.4	8.0	8.0	-3.4	-15.9	7.1	16.6	247.8	9.0
737	ok	0.15	0.7	0.1	13.4	13.4	8.0	8.0	-249.5	116.1	55.5	-397.4	-169.6	-62.0
738	ok	0.15	0.3	6.46e-02	13.4	13.4	8.0	8.0	-319.5	30.8	72.6	-240.5	-221.5	26.0
739	ok	0.15	0.2	4.47e-02	13.4	13.4	8.0	8.0	-195.6	10.4	92.8	-172.0	-302.5	51.1
740	ok	0.15	0.2	3.36e-02	13.4	13.4	8.0	8.0	-137.6	6.3	85.2	-89.1	-316.5	54.6
741	ok	0.15	0.1	2.55e-02	13.4	13.4	8.0	8.0	-103.5	11.5	69.3	-29.8	-320.6	41.2
742	ok	0.15	0.1	1.92e-02	13.4	13.4	8.0	8.0	-60.0	20.1	42.2	31.0	-318.7	-8.2
743	ok	0.15	0.1	1.44e-02	13.4	13.4	8.0	8.0	-43.5	23.6	32.0	21.7	-316.9	-49.6
744	ok	0.16	1.0	0.3	20.5	17.9	13.0	11.4	-1928.9	332.9	-300.6	1811.3	757.4	787.4
745	ok	0.16	1.0	0.3	16.9	16.0	11.6	10.7	-1131.3	-158.5	-189.6	921.2	855.5	11.7
746	ok	0.15	0.9	0.2	13.4	13.4	8.0	8.0	-862.1	-163.4	231.5	119.2	512.4	-341.8
747	ok	0.15	0.4	8.63e-02	13.4	13.4	8.0	8.0	-489.0	52.6	-98.3	-475.4	-400.6	-108.5
748	ok	0.15	0.3	6.15e-02	13.4	13.4	8.0	8.0	-351.1	11.7	9.6	-377.7	-442.1	-35.7
749	ok	0.15	0.2	4.70e-02	13.4	13.4	8.0	8.0	-229.3	12.4	61.0	-186.5	-540.0	18.3
750	ok	0.15	0.2	3.50e-02	13.4	13.4	8.0	8.0	-167.4	11.1	62.5	-120.7	-603.7	35.5
751	ok	0.15	0.1	2.63e-02	13.4	13.4	8.0	8.0	-122.4	15.4	53.0	-82.4	-680.6	31.6
752	ok	0.15	0.1	1.93e-02	13.4	13.4	8.0	8.0	-89.0	20.7	42.7	-62.6	-748.0	13.2
753	ok	0.15	0.1	1.40e-02	13.4	13.4	8.0	8.0	-44.0	26.3	25.9	-50.6	-767.3	-33.9
754	ok	0.17	1.0	0.3	16.9	18.4	14.0	14.8	-706.6	100.0	-139.8	2645.8	439.1	720.0
755	ok	0.15	1.0	1.00e-01	13.6	13.6	10.8	11.0	71.0	796.7	114.4	-20.6	82.2	-27.0
756	ok	0.18	1.0	0.4	26.9	24.9	14.4	13.2	-2293.2	-370.7	763.5	2208.7	467.6	-748.0
757	ok	0.19	1.0	0.3	27.3	26.3	13.5	13.1	-2037.7	-147.4	-411.9	862.8	153.5	128.1
758	ok	0.16	1.0	0.1	15.2	15.3	11.4	12.1	231.0	734.3	356.0	5.3	289.1	65.7
759	ok	0.15	6.82e-02	5.96e-03	13.4	13.4	8.0	8.0	-11.9	13.8	9.6	39.1	366.2	20.7
760	ok	0.15	7.58e-02	5.99e-03	13.4	13.4	8.0	8.0	-12.9	13.7	9.6	31.5	365.3	16.9
761	ok	0.15	7.53e-02	5.90e-03	13.4	13.4	8.0	8.0	-13.2	14.9	6.5	36.8	427.1	3.5
762	ok	0.15	7.58e-02	5.99e-03	13.4	13.4	8.0	8.0	-12.9	13.7	-9.6	31.5	365.3	-16.9
763	ok	0.15	6.82e-02	5.96e-03	13.4	13.4	8.0	8.0	-12.1	12.0	-12.3	21.8	221.9	-24.6
764	ok	0.15	6.74e-02	3.64e-03	13.4	13.4	8.0	8.0	-13.7	11.3	-6.5	33.5	399.5	-1.5
765	ok	0.15	6.75e-02	3.87e-03	13.4	13.4	8.0	8.0	-13.3	9.8	-9.6	29.3	347.2	-10.0
766	ok	0.15	5.70e-02	4.13e-03	13.4	13.4	8.0	8.0	-9.6	11.6	-10.5	-51.0	-259.6	63.5
767	ok	0.15	5.91e-02	4.04e-03	13.4	13.4	8.0	8.0	-12.4	9.9	-9.6	36.9	348.1	-13.8
768	ok	0.15	5.24e-02	4.02e-03	13.4	13.4	8.0	8.0	-1.7	-21.9	-2.1	-22.9	-161.0	51.8
769	ok	0.15	5.70e-02	4.13e-03	13.4	13.4	8.0	8.0	-9.6	11.6	10.5	-51.0	-259.6	-63.5
770	ok	0.18	1.0	0.4	27.2	25.1	20.2	19.8	-1546.7	-1002.7	1015.8	2135.1	633.3	-1142.2
771	ok	0.15	7.04e-02	3.43e-03	13.4	13.4	8.0	8.0	-3.4	-15.9	-7.1	16.6	247.8	-9.0
772	ok	0.15	6.25e-02	4.46e-03	13.4	13.4	8.0	8.0	-1.8	-21.6	-3.9	-28.2	-343.1	35.4
773	ok	0.15	1.0	0.1	13.9	14.3	8.5	8.9	258.7	501.0	-339.4	-26.7	166.4	-104.3
774	ok	0.18	1.0	0.4	27.3	25.0	13.7	13.0	-2293.2	-370.7	-763.5	2208.7	467.6	748.0
775	ok	0.15	7.27e-02	4.61e-03	13.4	13.4	8.0	8.0	-1.8	-24.3	-2.5	-27.7	-367.9	14.0

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**
									-2442.90	-1874.38	-1024.28	-2204.95	-2327.92	-1283.08
		0.19	0.99	0.39	27.70	26.61	30.94	31.25	671.78	796.73	1024.27	3017.64	1576.78	1283.08

Nodo	**Stato**	**Max tau** daN/cm2	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr** daN/cm	**V sec** daN/cm
161	ok	0.53						
214	ok	3.02						
215	ok	4.46						
226	ok Av	5.14	0.09	0.22	2.4	5.6	61.7	143.5
237	ok Av	5.70	0.05	0.26	1.3	6.7	34.4	172.5
248	ok Av	4.93	0.10	0.20	2.7	5.2	68.1	133.6
258	ok Av	5.85	0.26	0.11	6.8	2.8	174.5	72.5
269	ok Av	5.85	0.26	0.20	6.8	5.2	174.5	133.6

280	ok Av	8.28	0.30	0.26	7.8	6.7	199.2	172.5
291	ok Av	5.14	0.09	0.22	2.4	5.6	61.7	143.5
302	ok	2.41						
313	ok	3.02						
421	ok	0.81						
429	ok	2.37						
431	ok	2.15						
434	ok	1.86						
436	ok	2.08						
438	ok	1.86						
440	ok	1.52						
442	ok	1.16						
445	ok	1.09						
446	ok	0.39						
447	ok	1.08						
449	ok	1.01						
455	ok	0.48						
458	ok	0.81						
521	ok	0.60						
537	ok	0.39						
539	ok	2.37						
540	ok	2.15						
542	ok	1.86						
543	ok	2.08						
544	ok	1.86						
545	ok	1.52						
546	ok	1.16						
547	ok	1.09						
548	ok	1.08						
549	ok	1.01						
587	ok	0.60						
591	ok	0.53						
610	ok	0.48						
614	ok	0.60						
615	ok	0.43						
616	ok Av	8.59	0.25	0.30	6.5	7.8	167.1	200.5
617	ok Av	8.28	0.30	0.26	7.8	6.7	199.2	172.5
618	ok Av	8.59	0.23	0.32	6.1	8.4	156.8	215.3
619	ok	0.28						
620	ok	0.18						
621	ok	0.30						
622	ok	0.74						
623	ok Av	6.18	0.26	0.22	6.8	5.6	174.5	143.8
624	ok	0.28						
625	ok Av	8.28	0.30	0.26	7.8	6.7	199.2	172.5
626	ok	0.39						
627	ok	1.94						
628	ok	0.43						
629	ok	2.38						
630	ok	0.16						
631	ok	0.60						
632	ok	2.45						
633	ok	2.84						
634	ok Av	6.18	0.18	0.21	4.8	5.6	123.4	143.8
635	ok	1.18						
636	ok	1.21						
637	ok	2.43						
638	ok	1.56						
639	ok	2.45						
640	ok	0.79						
641	ok	0.39						
642	ok	0.60						
643	ok	0.47						
644	ok	0.12						
645	ok	0.34						
646	ok	0.24						
647	ok	0.17						
648	ok	0.24						
649	ok	0.34						
650	ok	0.47						
651	ok	0.60						
652	ok	1.46						
653	ok	0.48						
654	ok	1.28						
655	ok	0.19						
656	ok	1.72						
657	ok	0.79						

658	ok	2.04						
659	ok	1.18						
660	ok	1.86						
661	ok	0.39						
662	ok	1.52						
663	ok	0.29						
664	ok	1.13						
665	ok	0.48						
666	ok	1.08						
667	ok	0.39						
668	ok	1.08						
669	ok	0.23						
670	ok	1.00						
671	ok	1.53						
672	ok	1.65						
673	ok	1.65						
674	ok	0.39						
675	ok	1.39						
676	ok	1.17						
677	ok	0.87						
678	ok	0.83						
679	ok	0.82						
680	ok	0.75						
681	ok	1.05						
682	ok	2.41						
683	ok Av	8.59	0.24	0.32	6.1	8.4	156.8	215.3
684	ok	1.16						
685	ok	0.99						
686	ok	0.82						
687	ok	0.63						
688	ok	0.59						
689	ok	0.58						
690	ok	0.53						
691	ok	1.59						
692	ok	2.34						
693	ok	1.41						
694	ok	0.66						
695	ok	0.58						
696	ok	0.52						
697	ok	0.41						
698	ok	0.35						
699	ok	0.39						
700	ok	0.35						
701	ok Av	8.59	0.25	0.30	6.5	7.8	167.1	200.5
702	ok	5.10						
703	ok	4.46						
704	ok	1.21						
705	ok	0.28						
706	ok	0.24						
707	ok	0.26						
708	ok	0.24						
709	ok	0.23						
710	ok	0.37						
711	ok	0.36						
712	ok	2.84						
713	ok Av	5.70	0.05	0.26	1.3	6.7	34.4	172.5
714	ok	2.38						
715	ok	0.66						
716	ok	0.58						
717	ok	0.52						
718	ok	0.41						
719	ok	0.35						
720	ok	0.39						
721	ok	0.35						
722	ok	1.80						
723	ok Av	7.91	0.26	0.26	6.7	6.7	172.3	172.5
724	ok	1.65						
725	ok	1.94						
726	ok	1.07						
727	ok	0.99						
728	ok	0.82						
729	ok	0.63						
730	ok	0.59						
731	ok	0.58						
732	ok	0.53						
733	ok	1.39						
734	ok	1.41						

735	ok	1.41
736	ok	0.52
737	ok	1.53
738	ok	1.39
739	ok	1.17
740	ok	0.87
741	ok	0.83
742	ok	0.82
743	ok	0.75
744	ok	1.80
745	ok	1.28
746	ok	1.72
747	ok	2.04
748	ok	1.86
749	ok	1.52
750	ok	1.13
751	ok	1.08
752	ok	1.08
753	ok	1.00
754	ok	2.81
755	ok	0.91
756	ok	3.45
757	ok	2.43
758	ok	1.18
759	ok	0.29
760	ok	0.19
761	ok	0.15
762	ok	0.19
763	ok	0.29
764	ok	0.12
765	ok	0.16
766	ok	0.31
767	ok	0.23
768	ok	0.39
769	ok	0.31
770	ok	5.10
771	ok	0.52
772	ok	0.29
773	ok	0.74
774	ok	3.45
775	ok	0.19

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	8.59	0.30	0.32	7.79	8.42	199.21	215.34

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	35.00	1	1	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
177	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-317.9	-16.4	-110.2	1.198e+04	1572.0	-1806.1
194	ok	0.15	0.4	1.99e-02	13.4	13.4	13.4	13.4	130.1	-49.9	37.2	-3017.8	696.1	-684.5
195	ok	0.15	0.3	3.46e-02	13.4	13.4	13.4	13.4	-4.5	-42.4	69.5	-3648.9	1921.9	-394.7
196	ok	0.15	0.6	3.03e-02	13.4	13.4	13.4	13.4	39.8	90.4	-88.3	-7181.7	-2864.4	-1423.6
197	ok	0.15	0.6	2.31e-02	13.4	13.4	13.4	13.4	117.8	61.2	-63.7	-6100.1	10.7	-978.6
198	ok	0.15	0.4	4.85e-02	13.4	13.4	13.4	13.4	-92.8	-26.6	113.1	-4654.9	2058.1	780.2
199	ok	0.15	0.6	3.78e-02	13.4	13.4	13.4	13.4	-5.6	84.9	-88.3	-8670.7	-3043.1	-1416.8
200	ok	0.15	0.4	5.53e-02	13.4	13.4	13.4	13.4	-107.4	-28.4	113.1	-4608.5	2063.7	1268.5
201	ok	0.15	0.6	4.04e-02	13.4	13.4	13.4	13.4	-76.1	-165.4	77.8	9201.4	3718.9	410.0
202	ok	0.15	0.4	5.69e-02	13.4	13.4	13.4	13.4	-79.0	244.6	46.4	-6112.1	-977.8	688.2
203	ok	0.15	0.6	4.07e-02	13.4	13.4	13.4	13.4	-69.1	-198.2	65.3	9307.7	3197.0	952.9
204	ok	0.15	0.4	5.66e-02	13.4	13.4	13.4	13.4	-69.7	255.3	53.3	-5855.5	-1305.4	837.0
205	ok	0.15	0.6	3.86e-02	13.4	13.4	13.4	13.4	-57.2	-212.9	48.9	9158.2	2621.1	1325.3
206	ok	0.15	0.4	5.69e-02	13.4	13.4	13.4	13.4	-58.2	249.0	55.0	-5399.2	-1688.2	846.0
207	ok	0.15	0.6	4.07e-02	13.4	13.4	13.4	13.4	-69.1	-198.2	-65.3	9307.7	3197.0	-952.9
208	ok	0.15	0.4	5.53e-02	13.4	13.4	13.4	13.4	-107.4	-28.4	-113.1	-4608.5	2063.7	-1268.5
209	ok	0.15	0.6	4.04e-02	13.4	13.4	13.4	13.4	-23.1	133.6	78.2	-9182.9	-2725.5	1584.5
210	ok	0.15	0.4	4.85e-02	13.4	13.4	13.4	13.4	-92.8	-26.6	-113.1	-4654.9	2058.1	-780.2
211	ok	0.15	0.6	3.78e-02	13.4	13.4	13.4	13.4	-5.6	84.9	88.3	-8670.7	-3043.1	1416.8
212	ok	0.15	0.3	3.46e-02	13.4	13.4	13.4	13.4	-4.5	-42.4	-69.5	-3648.9	1921.9	394.7
213	ok	0.15	0.6	3.03e-02	13.4	13.4	13.4	13.4	39.8	90.4	88.3	-7181.7	-2864.4	1423.6

214	ok	0.15	0.4	1.99e-02	13.4	13.4	13.4	13.4	130.1	-49.9	-37.2	-3017.8	696.1	684.5
215	ok	0.15	0.6	2.31e-02	13.4	13.4	13.4	13.4	22.9	47.0	60.8	-5447.8	-613.4	572.1
216	ok	0.15	0.7	4.21e-02	13.4	13.4	13.4	13.4	-102.0	-81.7	104.9	1.012e+04	4183.3	1445.9
217	ok	0.15	1.0	5.52e-02	13.4	13.4	13.4	13.4	291.7	47.3	-112.7	-9376.9	-1800.9	-2337.4
218	ok	0.15	0.8	4.16e-02	13.4	13.4	13.4	13.4	-100.3	-109.4	95.2	1.115e+04	4373.6	944.7
219	ok	0.15	0.8	3.78e-02	13.4	13.4	13.4	13.4	-134.0	-19.8	117.9	6927.9	7032.0	2382.8
220	ok	0.15	0.8	3.50e-02	13.4	13.4	13.4	13.4	-75.1	-127.4	72.9	1.144e+04	3911.2	999.8
221	ok	0.15	0.8	3.04e-02	13.4	13.4	13.4	13.4	-62.0	-138.0	45.8	1.106e+04	3162.9	1176.2
222	ok	0.15	0.8	3.50e-02	13.4	13.4	13.4	13.4	-75.1	-127.4	-72.9	1.144e+04	3911.2	-999.8
223	ok	0.15	0.8	3.78e-02	13.4	13.4	13.4	13.4	-86.2	-107.7	-95.2	1.152e+04	4417.3	-863.2
224	ok	0.15	0.8	4.16e-02	13.4	13.4	13.4	13.4	-96.9	-81.1	-104.9	1.114e+04	4306.6	-978.8
225	ok	0.15	0.7	4.21e-02	13.4	13.4	13.4	13.4	-102.0	-81.7	-104.9	1.012e+04	4183.3	-1445.9
226	ok	0.15	1.0	5.52e-02	13.4	13.4	13.4	13.4	291.7	47.3	112.7	-9376.9	-1800.9	2337.4
227	ok	0.15	0.9	9.22e-02	13.4	13.4	13.4	13.4	-340.6	-34.8	79.0	8640.5	7638.2	2451.1
228	ok	0.15	1.0	9.22e-02	13.4	13.4	13.4	13.4	-317.9	-16.4	110.2	1.198e+04	1572.1	1806.3
229	ok	0.15	0.8	4.29e-02	13.4	13.4	13.4	13.4	-204.1	-46.2	99.5	8858.6	8054.9	2247.7
230	ok	0.15	0.8	3.75e-02	13.4	13.4	13.4	13.4	-136.7	-38.1	99.5	7951.8	7946.1	2181.3
231	ok	0.15	0.8	3.19e-02	13.4	13.4	13.4	13.4	-69.7	-82.7	72.9	1.145e+04	4031.6	992.2
232	ok	0.15	0.8	2.56e-02	13.4	13.4	13.4	13.4	-55.8	-86.2	45.8	1.107e+04	3288.8	1046.1
233	ok	0.15	0.8	3.19e-02	13.4	13.4	13.4	13.4	-69.7	-82.7	-72.9	1.145e+04	4031.6	-992.2
234	ok	0.15	0.8	3.75e-02	13.4	13.4	13.4	13.4	-136.7	-38.1	-99.5	7951.8	7946.1	-2181.3
235	ok	0.15	0.8	4.29e-02	13.4	13.4	13.4	13.4	-204.1	-46.2	-99.5	8858.6	8054.9	-2247.7
236	ok	0.15	0.9	9.22e-02	13.4	13.4	13.4	13.4	-340.6	-34.8	-79.0	8640.5	7638.2	-2451.1
237	ok	0.15	1.0	9.22e-02	13.4	13.4	13.4	13.4	-317.9	-16.4	-110.2	1.198e+04	1572.1	-1806.3
238	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-394.0	-96.4	60.9	1.189e+04	7275.7	1984.2
239	ok	0.15	1.0	0.2	16.7	13.4	14.1	13.4	-829.9	-47.6	6.6	1.252e+04	2564.1	1389.6
240	ok	0.15	0.7	4.48e-02	13.4	13.4	13.4	13.4	-208.6	-83.6	99.5	8840.5	7904.0	1848.8
241	ok	0.15	0.7	3.63e-02	13.4	13.4	13.4	13.4	-141.2	-75.5	99.5	7933.7	7795.2	1782.4
242	ok	0.15	0.7	2.80e-02	13.4	13.4	13.4	13.4	-88.2	-56.8	90.6	6503.8	6421.6	1909.9
243	ok	0.15	0.6	2.28e-02	13.4	13.4	13.4	13.4	-55.9	-48.0	38.1	9257.3	3009.9	649.5
244	ok	0.15	0.7	2.80e-02	13.4	13.4	13.4	13.4	-88.2	-56.8	-90.6	6503.8	6421.6	-1909.9
245	ok	0.15	0.7	3.63e-02	13.4	13.4	13.4	13.4	-141.2	-75.5	-99.5	7933.7	7795.2	-1782.4
246	ok	0.15	0.7	4.48e-02	13.4	13.4	13.4	13.4	-208.6	-83.6	-99.5	8840.5	7904.0	-1848.8
247	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-394.0	-96.4	-60.9	1.189e+04	7275.7	-1984.2
248	ok	0.15	1.0	0.2	16.7	13.4	14.1	13.4	-829.9	-47.6	-6.6	1.252e+04	2564.1	-1389.6
249	ok	0.15	0.8	6.99e-02	13.4	13.4	13.4	13.4	-397.6	-126.4	60.9	1.176e+04	6206.1	792.4
250	ok	0.15	0.6	4.20e-02	13.4	13.4	13.4	13.4	-219.5	-98.6	-55.4	9307.4	8019.7	-405.1
251	ok	0.15	0.5	2.95e-02	13.4	13.4	13.4	13.4	-137.2	-88.7	-55.4	7564.5	7810.6	-431.7
252	ok	0.15	0.4	2.20e-02	13.4	13.4	13.4	13.4	-84.2	-58.4	-43.7	5735.6	6348.1	-458.3
253	ok	0.15	0.3	2.23e-02	13.4	13.4	13.4	13.4	-52.2	-13.3	25.1	5127.4	2328.6	178.5
254	ok	0.15	0.4	2.20e-02	13.4	13.4	13.4	13.4	-84.2	-58.4	43.7	5735.6	6348.1	458.3
255	ok	0.15	0.5	2.95e-02	13.4	13.4	13.4	13.4	-137.2	-88.7	55.4	7564.5	7810.6	431.7
256	ok	0.15	0.6	4.20e-02	13.4	13.4	13.4	13.4	-219.5	-98.6	55.4	9307.4	8019.7	405.1
257	ok	0.15	0.8	6.99e-02	13.4	13.4	13.4	13.4	-397.6	-126.4	-60.9	1.176e+04	6206.1	-792.4
258	ok	0.15	1.0	0.2	16.7	13.4	13.9	13.4	-835.5	-94.1	6.6	1.250e+04	2388.0	854.7
259	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-394.0	-96.4	-60.9	1.189e+04	7275.7	-1984.2
260	ok	0.15	1.0	0.2	16.7	13.4	14.1	13.4	-829.9	-47.6	-6.6	1.252e+04	2564.1	-1389.6
261	ok	0.15	0.7	4.48e-02	13.4	13.4	13.4	13.4	-208.6	-83.6	-99.5	8840.5	7904.0	-1848.8
262	ok	0.15	0.7	3.63e-02	13.4	13.4	13.4	13.4	-141.2	-75.5	-99.5	7933.7	7795.2	-1782.4
263	ok	0.15	0.7	2.80e-02	13.4	13.4	13.4	13.4	-88.2	-56.8	-90.6	6503.8	6421.6	-1909.9
264	ok	0.15	0.6	2.28e-02	13.4	13.4	13.4	13.4	-55.9	-48.0	38.1	9257.3	3009.9	649.5
265	ok	0.15	0.7	2.80e-02	13.4	13.4	13.4	13.4	-88.2	-56.8	90.6	6503.8	6421.6	1909.9
266	ok	0.15	0.7	3.63e-02	13.4	13.4	13.4	13.4	-141.2	-75.5	99.5	7933.7	7795.2	1782.4
267	ok	0.15	0.7	4.48e-02	13.4	13.4	13.4	13.4	-208.6	-83.6	99.5	8840.5	7904.0	1848.8
268	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-394.0	-96.4	60.9	1.189e+04	7275.7	1984.2
269	ok	0.15	1.0	0.2	16.7	13.4	14.1	13.4	-829.9	-47.6	6.6	1.252e+04	2564.1	1389.6
270	ok	0.15	0.9	9.22e-02	13.4	13.4	13.4	13.4	-340.6	-34.8	-79.0	8640.5	7638.2	-2451.2
271	ok	0.15	1.0	9.22e-02	13.4	13.4	13.4	13.4	-317.9	-16.4	-110.2	1.198e+04	1572.0	-1806.1
272	ok	0.15	0.8	4.29e-02	13.4	13.4	13.4	13.4	-204.1	-46.2	-99.5	8858.6	8054.9	-2247.7
273	ok	0.15	0.8	3.75e-02	13.4	13.4	13.4	13.4	-136.7	-38.1	-99.5	7951.8	7946.1	-2181.4
274	ok	0.15	0.8	3.19e-02	13.4	13.4	13.4	13.4	-69.7	-82.7	-72.9	1.145e+04	4031.6	-992.2
275	ok	0.15	0.8	2.56e-02	13.4	13.4	13.4	13.4	-55.8	-86.2	45.8	1.107e+04	3288.8	1046.1
276	ok	0.15	0.8	3.19e-02	13.4	13.4	13.4	13.4	-69.7	-82.7	72.9	1.145e+04	4031.6	992.2
277	ok	0.15	0.8	3.75e-02	13.4	13.4	13.4	13.4	-136.7	-38.1	99.5	7951.8	7946.1	2181.3
278	ok	0.15	0.8	4.29e-02	13.4	13.4	13.4	13.4	-204.1	-46.2	99.5	8858.6	8054.9	2247.7
279	ok	0.15	0.9	9.22e-02	13.4	13.4	13.4	13.4	-340.6	-34.8	79.0	8640.5	7638.2	2451.2
280	ok	0.15	1.0	9.22e-02	13.4	13.4	13.4	13.4	-317.9	-16.4	110.2	1.198e+04	1572.0	1806.1
281	ok	0.15	0.7	4.21e-02	13.4	13.4	13.4	13.4	-102.0	-81.7	-104.9	1.012e+04	4183.3	-1445.9
282	ok	0.15	1.0	5.52e-02	13.4	13.4	13.4	13.4	291.7	47.3	112.7	-9376.9	-1800.9	2337.4
283	ok	0.15	0.8	4.16e-02	13.4	13.4	13.4	13.4	-96.9	-81.1	-104.9	1.114e+04	4306.5	-978.8
284	ok	0.15	0.8	3.78e-02	13.4	13.4	13.4	13.4	-86.2	-107.7	-95.2	1.152e+04	4417.3	-863.2
285	ok	0.15	0.8	3.50e-02	13.4	13.4	13.4	13.4	-75.1	-127.4	-72.9	1.144e+04	3911.2	-999.8
286	ok	0.15	0.8	3.04e-02	13.4	13.4	13.4	13.4	-62.0	-138.0	45.8	1.106e+04	3162.9	1176.2
287	ok	0.15	0.8	3.50e-02	13.4	13.4	13.4	13.4	-75.1	-127.4	72.9	1.144e+04	3911.2	999.8
288	ok	0.15	0.8	3.78e-02	13.4	13.4	13.4	13.4	-134.0	-19.8	117.9	6927.9	7032.0	2382.8
289	ok	0.15	0.8	4.16e-02	13.4	13.4	13.4	13.4	-96.9	-81.1	104.9	1.114e+04	4306.5	978.8
290	ok	0.15	0.7	4.21e-02	13.4	13.4	13.4	13.4	-102.0	-81.7	104.9	1.012e+04	4183.3	1445.9

291	ok	0.15	1.0	5.52e-02	13.4	13.4	13.4	13.4	291.7	47.3	-112.7	-9376.9	-1800.9	-2337.4
292	ok	0.15	0.6	3.03e-02	13.4	13.4	13.4	13.4	39.8	90.4	88.3	-7181.7	-2864.4	1423.6
293	ok	0.15	0.6	2.31e-02	13.4	13.4	13.4	13.4	22.9	47.0	60.8	-5447.8	-613.4	572.1
294	ok	0.15	0.6	3.78e-02	13.4	13.4	13.4	13.4	-5.6	84.9	88.3	-8670.7	-3043.1	1416.8
295	ok	0.15	0.6	4.04e-02	13.4	13.4	13.4	13.4	-23.1	133.6	78.2	-9182.9	-2725.5	1584.5
296	ok	0.15	0.6	4.07e-02	13.4	13.4	13.4	13.4	-69.1	-198.2	-65.3	9307.7	3197.0	-952.9
297	ok	0.15	0.6	3.86e-02	13.4	13.4	13.4	13.4	-57.2	-212.9	48.9	9158.2	2621.1	1325.3
298	ok	0.15	0.6	4.07e-02	13.4	13.4	13.4	13.4	-69.1	-198.2	65.3	9307.7	3197.0	952.9
299	ok	0.15	0.6	4.04e-02	13.4	13.4	13.4	13.4	-76.1	-165.4	77.8	9201.3	3718.9	410.0
300	ok	0.15	0.6	3.78e-02	13.4	13.4	13.4	13.4	-5.6	84.9	-88.3	-8670.7	-3043.1	-1416.8
301	ok	0.15	0.6	3.03e-02	13.4	13.4	13.4	13.4	39.8	90.4	-88.3	-7181.7	-2864.4	-1423.6
302	ok	0.15	0.6	2.31e-02	13.4	13.4	13.4	13.4	22.9	47.0	-60.8	-5447.8	-613.4	-572.1
303	ok	0.15	0.3	3.46e-02	13.4	13.4	13.4	13.4	-4.5	-42.4	-69.5	-3648.9	1921.9	394.7
304	ok	0.15	0.4	1.99e-02	13.4	13.4	13.4	13.4	130.1	-49.9	-37.2	-3017.8	696.1	684.5
305	ok	0.15	0.4	4.85e-02	13.4	13.4	13.4	13.4	-92.8	-26.6	-113.1	-4654.9	2058.1	-780.2
306	ok	0.15	0.4	5.53e-02	13.4	13.4	13.4	13.4	-107.4	-28.4	-113.1	-4608.5	2063.7	-1268.5
307	ok	0.15	0.4	5.69e-02	13.4	13.4	13.4	13.4	-79.0	244.6	-46.4	-6112.1	-977.8	-688.2
308	ok	0.15	0.4	5.66e-02	13.4	13.4	13.4	13.4	-69.7	255.3	-53.3	-5855.5	-1305.4	-837.0
309	ok	0.15	0.4	5.69e-02	13.4	13.4	13.4	13.4	-57.2	256.8	-53.3	-5345.9	-1244.2	-876.3
310	ok	0.15	0.4	5.53e-02	13.4	13.4	13.4	13.4	-107.4	-28.4	113.1	-4608.5	2063.7	1268.5
311	ok	0.15	0.4	4.85e-02	13.4	13.4	13.4	13.4	-92.8	-26.6	113.1	-4654.9	2058.1	780.2
312	ok	0.15	0.3	3.46e-02	13.4	13.4	13.4	13.4	-4.5	-42.4	69.5	-3648.9	1921.9	-394.7
313	ok	0.15	0.4	1.99e-02	13.4	13.4	13.4	13.4	130.1	-49.9	37.2	-3017.8	696.1	-684.5
365	ok	0.15	1.0	0.2	16.7	13.4	13.9	13.4	-835.5	-94.1	-6.6	1.250e+04	2388.0	-854.7
386	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-317.9	-16.4	110.2	1.198e+04	1572.1	1806.3
625	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-317.9	-16.4	110.2	1.198e+04	1572.0	1806.1
723	ok	0.15	1.0	0.1	14.2	13.4	14.1	13.4	-317.9	-16.4	-110.2	1.198e+04	1572.1	-1806.3

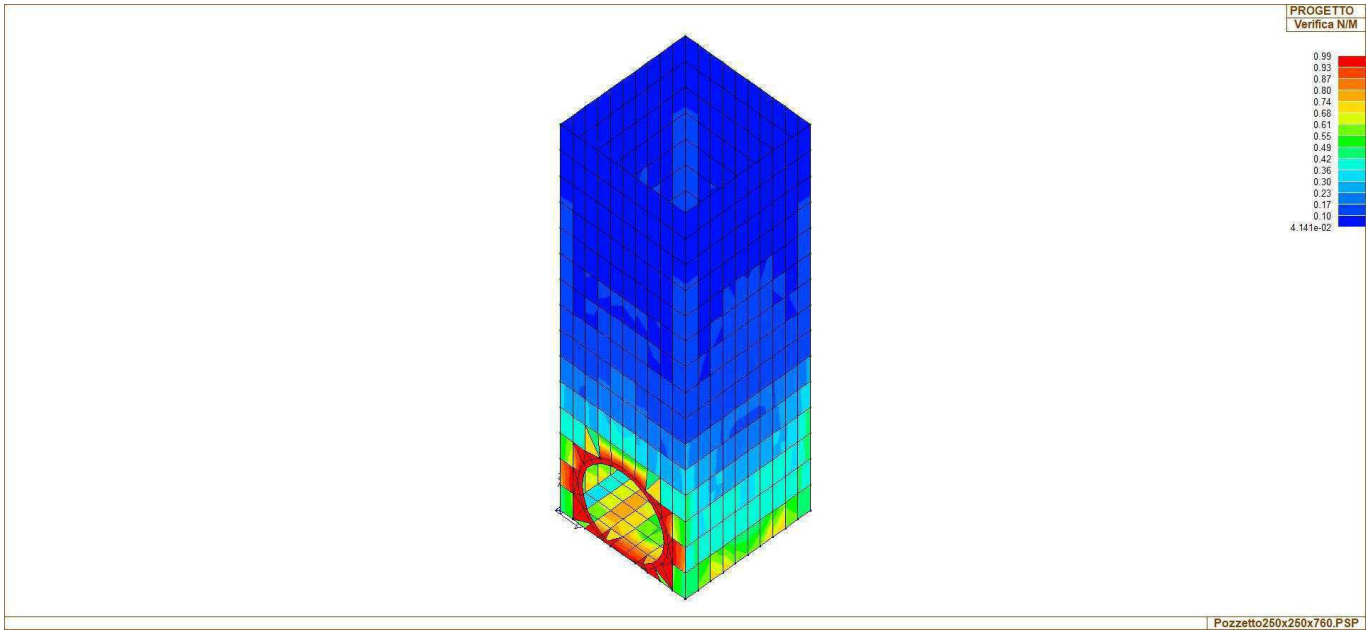
Nodo	**x/d**	**V N/M**	**ver. rid**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**N x**	**N y**	**N xy**	**M x**	**M y**	**M xy**
								-835.48	-212.90	-113.06	-9376.91	-3043.06	-2451.15
	0.15	0.99	0.16	16.73	13.40	14.07	13.40	291.70	256.78	117.89	1.252e+04	8054.89	2451.15

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
177	ok Av	21.56	0.90	0.65	23.5	16.9	601.8	432.8
194	ok Av	6.09	0.26	0.10	6.8	2.5	173.9	63.4
195	ok Av	10.29	0.46	0.16	12.1	4.1	308.4	106.1
196	ok Av	14.26	0.46	0.48	12.1	12.5	308.4	318.8
197	ok Av	11.37	0.39	0.48	10.1	12.5	259.5	318.8
198	ok Av	14.24	0.65	0.31	16.8	8.1	429.8	207.7
199	ok Av	14.38	0.65	0.12	16.8	3.1	429.8	79.3
200	ok Av	15.23	0.69	0.43	18.0	11.3	461.1	289.2
201	ok Av	15.18	0.69	0.08	18.0	2.0	461.1	50.6
202	ok Av	15.02	0.67	0.48	17.6	12.6	449.4	323.2
203	ok Av	14.79	0.68	0.08	17.6	2.1	449.4	53.6
204	ok Av	14.10	0.62	0.48	16.2	12.6	415.3	323.2
205	ok Av	13.67	0.62	0.08	16.2	2.1	415.3	53.3
206	ok Av	15.02	0.67	0.48	17.6	12.6	449.4	323.2
207	ok Av	14.79	0.68	0.08	17.6	2.1	449.4	53.6
208	ok Av	15.23	0.69	0.43	18.0	11.3	461.1	289.2
209	ok Av	15.18	0.69	0.08	18.0	2.0	461.1	50.6
210	ok Av	14.24	0.65	0.31	16.8	8.1	429.8	207.7
211	ok Av	14.38	0.65	0.12	16.8	3.1	429.8	79.3
212	ok Av	10.29	0.46	0.16	12.1	4.1	308.4	106.1
213	ok Av	14.26	0.46	0.48	12.1	12.5	308.4	318.8
214	ok Av	6.09	0.26	0.10	6.8	2.5	173.9	63.4
215	ok Av	11.37	0.39	0.48	10.1	12.5	259.5	318.8
216	ok Av	16.24	0.26	0.70	6.8	18.1	174.3	463.1
217	ok Av	18.57	0.76	0.70	19.7	18.1	504.3	463.1
218	ok Av	8.25	0.33	0.18	8.7	4.6	221.3	118.1
219	ok Av	7.91	0.33	0.17	8.5	4.5	216.9	116.2
220	ok Av	7.13	0.28	0.21	7.4	5.4	189.1	137.4
221	ok Av	5.79	0.26	0.21	6.7	5.4	170.7	138.4
222	ok Av	7.13	0.28	0.21	7.4	5.4	189.1	137.4
223	ok Av	7.91	0.33	0.17	8.5	4.5	216.9	116.2
224	ok Av	8.25	0.33	0.18	8.7	4.6	221.3	118.1
225	ok Av	16.24	0.26	0.70	6.8	18.1	174.3	463.1
226	ok Av	18.57	0.76	0.70	19.7	18.1	504.3	463.1
227	ok Av	19.97	0.72	0.62	18.9	16.0	484.6	410.4
228	ok Av	19.97	0.76	0.62	19.7	16.0	504.3	410.4
229	ok Av	6.76	0.30	0.17	7.8	4.5	198.7	115.5
230	ok Av	6.65	0.30	0.24	7.7	6.2	198.0	158.3
231	ok Av	6.82	0.30	0.28	7.7	7.2	196.6	184.3
232	ok Av	6.55	0.29	0.28	7.5	7.2	191.4	184.3
233	ok Av	6.82	0.30	0.28	7.7	7.2	196.6	184.3
234	ok Av	6.65	0.30	0.24	7.7	6.2	198.0	158.3

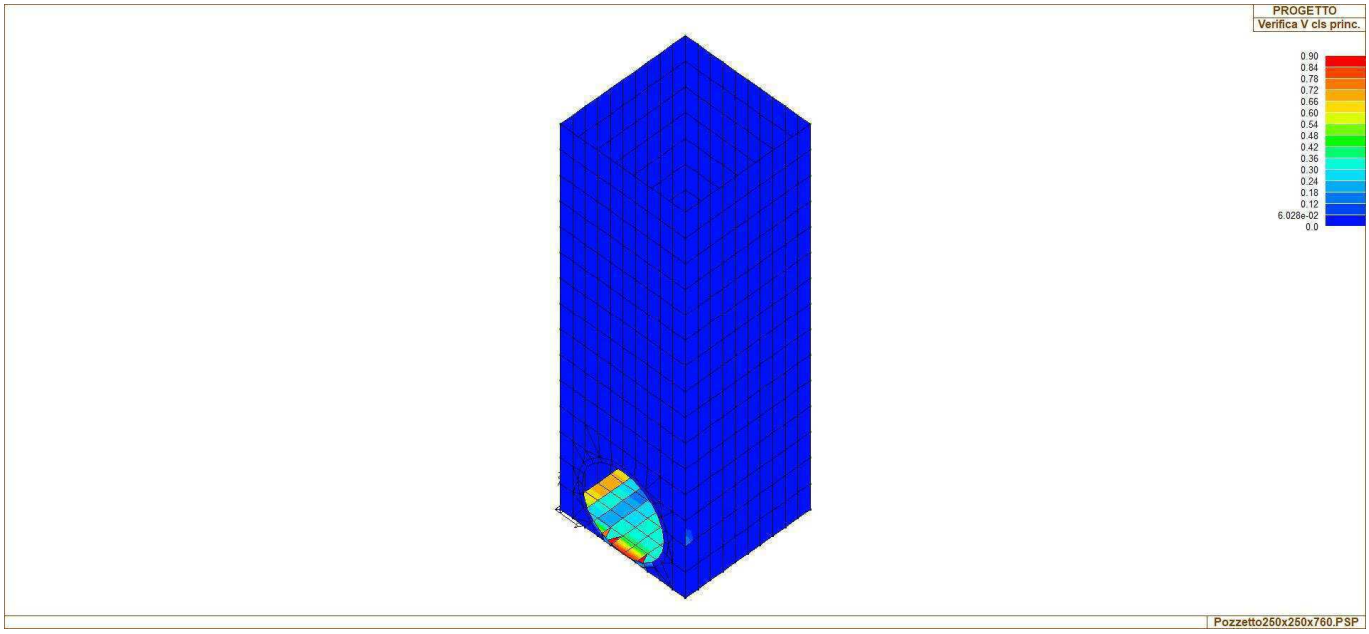
235	ok Av	6.76	0.30	0.17	7.8	4.5	198.7	115.5
236	ok Av	19.97	0.73	0.62	18.9	16.0	484.6	410.4
237	ok Av	19.97	0.76	0.62	19.7	16.0	504.3	410.4
238	ok Av	20.38	0.90	0.48	23.5	12.5	601.8	319.3
239	ok Av	20.79	0.90	0.39	23.5	10.2	601.8	259.8
240	ok Av	7.50	0.34	0.10	8.8	2.7	225.6	67.9
241	ok Av	7.49	0.34	0.27	8.7	7.0	223.8	178.2
242	ok Av	7.64	0.34	0.31	8.8	8.1	224.7	207.7
243	ok Av	7.65	0.34	0.31	8.8	8.1	223.8	207.7
244	ok Av	7.64	0.34	0.31	8.8	8.1	224.7	207.7
245	ok Av	7.49	0.34	0.27	8.7	7.0	223.8	178.2
246	ok Av	7.50	0.34	0.10	8.8	2.7	225.6	67.9
247	ok Av	20.38	0.90	0.48	23.5	12.5	601.8	319.3
248	ok Av	20.79	0.90	0.39	23.5	10.2	601.8	259.8
249	ok Av	8.18	0.37	0.05	9.6	1.2	246.6	30.7
250	ok Av	7.49	0.34	0.18	8.8	4.6	225.6	116.7
251	ok Av	7.48	0.34	0.28	8.7	7.2	223.8	183.8
252	ok Av	7.65	0.34	0.32	8.8	8.4	224.7	214.7
253	ok Av	7.68	0.34	0.32	8.8	8.4	223.8	214.7
254	ok Av	7.65	0.34	0.32	8.8	8.4	224.7	214.7
255	ok Av	7.48	0.34	0.28	8.7	7.2	223.8	183.8
256	ok Av	7.49	0.34	0.18	8.8	4.6	225.6	116.7
257	ok Av	8.18	0.37	0.05	9.6	1.2	246.6	30.7
258	ok Av	19.72	0.90	0.01	23.4	0.3	599.5	6.8
259	ok Av	21.56	0.90	0.48	23.5	12.6	601.8	321.2
260	ok Av	21.56	0.90	0.39	23.5	10.2	601.8	259.8
261	ok Av	7.50	0.34	0.10	8.8	2.7	225.6	67.9
262	ok Av	7.49	0.34	0.27	8.7	7.0	223.8	178.2
263	ok Av	7.64	0.34	0.31	8.8	8.1	224.7	207.7
264	ok Av	7.65	0.34	0.31	8.8	8.1	223.8	207.7
265	ok Av	7.64	0.34	0.31	8.8	8.1	224.7	207.7
266	ok Av	7.49	0.34	0.27	8.7	7.0	223.8	178.2
267	ok Av	7.50	0.34	0.10	8.8	2.7	225.6	67.9
268	ok Av	21.56	0.90	0.48	23.5	12.6	601.8	321.2
269	ok Av	21.56	0.90	0.39	23.5	10.2	601.8	259.8
270	ok Av	20.53	0.72	0.65	18.9	16.9	484.6	432.8
271	ok Av	20.53	0.76	0.65	19.7	16.9	504.3	432.8
272	ok Av	6.76	0.30	0.17	7.8	4.5	198.7	115.5
273	ok Av	6.65	0.30	0.24	7.7	6.2	198.0	158.3
274	ok Av	6.82	0.30	0.28	7.7	7.2	196.6	184.3
275	ok Av	6.55	0.29	0.28	7.5	7.2	191.4	184.3
276	ok Av	6.82	0.30	0.28	7.7	7.2	196.6	184.3
277	ok Av	6.65	0.30	0.24	7.7	6.2	198.0	158.3
278	ok Av	6.76	0.30	0.17	7.8	4.5	198.7	115.5
279	ok Av	20.53	0.73	0.65	18.9	16.9	484.6	432.8
280	ok Av	20.53	0.76	0.65	19.7	16.9	504.3	432.8
281	ok Av	16.24	0.26	0.70	6.8	18.1	174.3	463.1
282	ok Av	18.57	0.76	0.70	19.7	18.1	504.3	463.1
283	ok Av	8.25	0.33	0.18	8.7	4.6	221.3	118.1
284	ok Av	7.91	0.33	0.17	8.5	4.5	216.9	116.2
285	ok Av	7.13	0.28	0.21	7.4	5.4	189.1	137.4
286	ok Av	5.79	0.26	0.21	6.7	5.4	170.7	138.4
287	ok Av	7.13	0.28	0.21	7.4	5.4	189.1	137.4
288	ok Av	7.91	0.33	0.17	8.5	4.5	216.9	116.2
289	ok Av	8.25	0.33	0.18	8.7	4.6	221.3	118.1
290	ok Av	16.24	0.26	0.70	6.8	18.1	174.3	463.1
291	ok Av	18.57	0.76	0.70	19.7	18.1	504.3	463.1
292	ok Av	14.26	0.46	0.48	12.1	12.5	308.4	318.8
293	ok Av	11.37	0.39	0.48	10.1	12.5	259.5	318.8
294	ok Av	14.38	0.65	0.12	16.8	3.1	429.8	79.3
295	ok Av	15.18	0.69	0.08	18.0	2.0	461.1	50.6
296	ok Av	14.79	0.68	0.08	17.6	2.1	449.4	53.6
297	ok Av	13.67	0.62	0.08	16.2	2.1	415.3	53.3
298	ok Av	14.79	0.68	0.08	17.6	2.1	449.4	53.6
299	ok Av	15.18	0.69	0.08	18.0	2.0	461.1	50.6
300	ok Av	14.38	0.65	0.12	16.8	3.1	429.8	79.3
301	ok Av	14.26	0.46	0.48	12.1	12.5	308.4	318.8
302	ok Av	11.37	0.39	0.48	10.1	12.5	259.5	318.8
303	ok Av	10.29	0.46	0.16	12.1	4.1	308.4	106.1
304	ok Av	6.09	0.26	0.10	6.8	2.5	173.9	63.4
305	ok Av	14.24	0.65	0.31	16.8	8.1	429.8	207.7
306	ok Av	15.23	0.69	0.43	18.0	11.3	461.1	289.2
307	ok Av	15.02	0.67	0.48	17.6	12.6	449.4	323.2
308	ok Av	14.10	0.62	0.48	16.2	12.6	415.3	323.2
309	ok Av	15.02	0.67	0.48	17.6	12.6	449.4	323.2
310	ok Av	15.23	0.69	0.43	18.0	11.3	461.1	289.2
311	ok Av	14.24	0.65	0.31	16.8	8.1	429.8	207.7

312	ok Av	10.29	0.46	0.16	12.1	4.1	308.4	106.1
313	ok Av	6.09	0.26	0.10	6.8	2.5	173.9	63.4
365	ok Av	19.72	0.90	0.01	23.4	0.3	599.5	6.8
386	ok Av	20.38	0.90	0.62	23.5	16.0	601.8	410.4
625	ok Av	21.56	0.90	0.65	23.5	16.9	601.8	432.8
723	ok Av	20.38	0.90	0.61	23.5	16.0	601.8	410.4

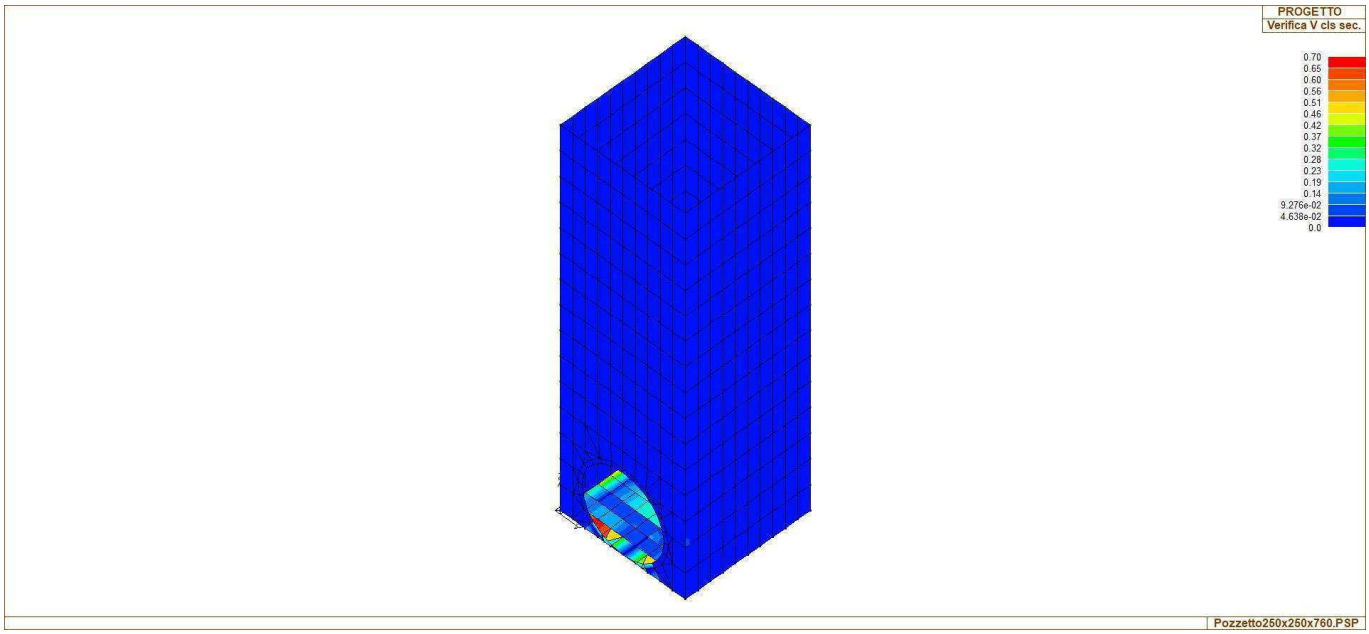
Nodo	**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
	21.56	0.90	0.70	23.53	18.11	601.81	463.05



72_PRO_CA_D3_VER_NM



72_PRO_CA_D3_VER_VI



72_PRO_CA_D3_VER_VII

STATI LIMITE D' ESERCIZIO

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 sopraripportati 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	
1	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
2	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
3	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
4	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
5	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
6	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
7	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
8	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
9	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
10	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
11	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
12	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
13	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
14	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
15	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
16	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
17	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
18	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
19	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
20	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
21	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
22	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
23	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
24	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
25	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
26	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
27	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
28	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
29	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
30	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
31	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
32	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
33	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
34	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
35	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
36	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
37	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
38	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
39	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
40	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
41	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
42	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
43	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
44	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
45	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
46	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
47	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
48	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
49	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
50	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
51	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
52	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
53	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
54	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
55	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
56	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
57	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
58	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
59	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
60	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
61	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
62	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
63	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
64	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
65	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
66	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
67	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
68	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
69	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
70	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
71	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
72	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
73	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0

74	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
75	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
76	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
77	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
78	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
79	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
80	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
81	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
82	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
83	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
84	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
85	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
86	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
87	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
88	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
89	0.0	0.0	0.10	0,0,15	0.0	0.0	0.0	0,0,0
90	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
91	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
92	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
93	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
94	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
95	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
96	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
97	0.0	0.0	9.03e-03	0,0,15	0.0	0.0	0.0	0,0,0
98	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
101	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
102	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
103	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
104	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
105	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
106	0.0	0.0	6.65e-03	0,0,16	0.0	0.0	0.0	0,0,0
107	0.0	0.0	3.96e-03	0,0,16	0.0	0.0	0.0	0,0,0
108	0.0	0.0	5.74e-03	0,0,16	0.0	0.0	0.0	0,0,0
109	0.0	0.0	6.41e-03	0,0,16	0.0	0.0	0.0	0,0,0
110	0.0	0.0	6.41e-03	0,0,16	0.0	0.0	0.0	0,0,0
111	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
112	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
113	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
114	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
115	0.0	0.0	5.74e-03	0,0,16	0.0	0.0	0.0	0,0,0
116	0.0	0.0	3.96e-03	0,0,16	0.0	0.0	0.0	0,0,0
117	0.0	0.0	6.65e-03	0,0,16	0.0	0.0	0.0	0,0,0
118	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
119	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
120	0.0	0.0	9.56e-03	0,0,15	0.0	0.0	0.0	0,0,0
121	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
122	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
123	0.0	0.0	9.01e-03	0,0,15	0.0	0.0	0.0	0,0,0
124	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
125	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
126	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
127	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
128	0.0	0.0	9.01e-03	0,0,15	0.0	0.0	0.0	0,0,0
129	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
130	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
131	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
132	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
133	0.0	0.0	9.56e-03	0,0,15	0.0	0.0	0.0	0,0,0
134	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
135	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
136	0.0	0.0	7.45e-03	0,0,16	0.0	0.0	0.0	0,0,0
138	0.0	0.0	6.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
139	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
140	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
141	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
142	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
143	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
144	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
145	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
146	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
147	0.0	0.0	6.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
149	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
150	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
151	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
152	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
153	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
154	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0

155	0.0	0.0	7.45e-03	0,0,16	0.0	0.0	0.0	0,0,0
156	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
157	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
158	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
259	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
260	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
261	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
262	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
263	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
264	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
265	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
266	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
267	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
268	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
269	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
270	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
271	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
272	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
273	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
274	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
275	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
276	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
277	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
278	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
279	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
280	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
281	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
282	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
283	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
284	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
285	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
286	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
287	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
288	0.0	0.0	9.63e-03	0,0,15	0.0	0.0	0.0	0,0,0
289	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
290	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
291	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
292	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
293	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
294	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
295	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
296	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
297	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
298	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
299	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
300	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
301	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
302	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
303	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
304	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
305	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
306	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
307	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
308	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
309	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
310	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
311	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
312	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
313	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
314	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
315	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
316	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
317	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
318	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
319	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
320	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
321	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
322	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
323	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
324	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
325	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
326	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
327	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
328	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
329	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
330	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
331	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0

332	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
333	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
334	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
335	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
336	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
337	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
338	0.0	0.0	9.63e-03	0,0,15	0.0	0.0	0.0	0,0,0
339	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
340	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
341	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
342	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
343	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
344	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
345	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
346	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
347	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
348	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
349	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
350	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
351	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
352	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
353	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
354	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
355	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
356	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
357	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
358	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
359	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
360	0.0	0.0	6.92e-03	0,0,16	0.0	0.0	0.0	0,0,0
361	0.0	0.0	6.71e-03	0,0,16	0.0	0.0	0.0	0,0,0
362	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
363	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
364	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
365	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
366	0.0	0.0	6.71e-03	0,0,16	0.0	0.0	0.0	0,0,0
367	0.0	0.0	6.92e-03	0,0,16	0.0	0.0	0.0	0,0,0
368	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
369	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
370	0.0	0.0	4.01e-03	0,0,16	0.0	0.0	0.0	0,0,0
371	0.0	0.0	2.47e-03	0,0,16	0.0	0.0	0.0	0,0,0
372	0.0	0.0	3.21e-03	0,0,16	0.0	0.0	0.0	0,0,0
373	0.0	0.0	3.84e-03	0,0,16	0.0	0.0	0.0	0,0,0
374	0.0	0.0	3.84e-03	0,0,16	0.0	0.0	0.0	0,0,0
375	0.0	0.0	3.21e-03	0,0,16	0.0	0.0	0.0	0,0,0
376	0.0	0.0	2.47e-03	0,0,16	0.0	0.0	0.0	0,0,0
377	0.0	0.0	4.01e-03	0,0,16	0.0	0.0	0.0	0,0,0
378	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
379	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
380	0.0	0.0	7.45e-03	0,0,16	0.0	0.0	0.0	0,0,0
381	0.0	0.0	6.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
382	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
383	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
384	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
385	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
386	0.0	0.0	6.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
387	0.0	0.0	7.45e-03	0,0,16	0.0	0.0	0.0	0,0,0
388	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
389	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
390	0.0	0.0	7.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
391	0.0	0.0	5.35e-03	0,0,16	0.0	0.0	0.0	0,0,0
392	0.0	0.0	8.34e-03	0,0,16	0.0	0.0	0.0	0,0,0
393	0.0	0.0	9.67e-03	0,0,16	0.0	0.0	0.0	0,0,0
394	0.0	0.0	9.67e-03	0,0,16	0.0	0.0	0.0	0,0,0
395	0.0	0.0	8.34e-03	0,0,16	0.0	0.0	0.0	0,0,0
396	0.0	0.0	5.35e-03	0,0,16	0.0	0.0	0.0	0,0,0
397	0.0	0.0	7.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
398	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
399	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
400	0.0	0.0	7.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
401	0.0	0.0	5.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
402	0.0	0.0	8.98e-03	0,0,16	0.0	0.0	0.0	0,0,0
403	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
404	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
405	0.0	0.0	8.98e-03	0,0,16	0.0	0.0	0.0	0,0,0
406	0.0	0.0	5.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
407	0.0	0.0	7.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
408	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0

409	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
410	0.0	0.0	4.03e-03	0,0,16	0.0	0.0	0.0	0,0,0
411	0.0	0.0	2.50e-03	0,0,16	0.0	0.0	0.0	0,0,0
412	0.0	0.0	3.44e-03	0,0,16	0.0	0.0	0.0	0,0,0
413	0.0	0.0	4.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
414	0.0	0.0	4.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
415	0.0	0.0	3.44e-03	0,0,16	0.0	0.0	0.0	0,0,0
416	0.0	0.0	2.50e-03	0,0,16	0.0	0.0	0.0	0,0,0
417	0.0	0.0	4.03e-03	0,0,16	0.0	0.0	0.0	0,0,0
418	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
419	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
420	0.0	0.0	7.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
421	0.0	0.0	5.35e-03	0,0,16	0.0	0.0	0.0	0,0,0
422	0.0	0.0	8.34e-03	0,0,16	0.0	0.0	0.0	0,0,0
423	0.0	0.0	9.67e-03	0,0,16	0.0	0.0	0.0	0,0,0
424	0.0	0.0	9.67e-03	0,0,16	0.0	0.0	0.0	0,0,0
425	0.0	0.0	8.34e-03	0,0,16	0.0	0.0	0.0	0,0,0
426	0.0	0.0	5.35e-03	0,0,16	0.0	0.0	0.0	0,0,0
427	0.0	0.0	7.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
428	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
429	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
430	0.0	0.0	6.65e-03	0,0,16	0.0	0.0	0.0	0,0,0
431	0.0	0.0	3.96e-03	0,0,16	0.0	0.0	0.0	0,0,0
432	0.0	0.0	5.74e-03	0,0,16	0.0	0.0	0.0	0,0,0
433	0.0	0.0	6.41e-03	0,0,16	0.0	0.0	0.0	0,0,0
434	0.0	0.0	6.41e-03	0,0,16	0.0	0.0	0.0	0,0,0
435	0.0	0.0	5.74e-03	0,0,16	0.0	0.0	0.0	0,0,0
436	0.0	0.0	3.96e-03	0,0,16	0.0	0.0	0.0	0,0,0
437	0.0	0.0	6.65e-03	0,0,16	0.0	0.0	0.0	0,0,0
438	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
439	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
440	0.0	0.0	6.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
441	0.0	0.0	4.10e-03	0,0,16	0.0	0.0	0.0	0,0,0
442	0.0	0.0	6.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
443	0.0	0.0	6.95e-03	0,0,16	0.0	0.0	0.0	0,0,0
444	0.0	0.0	6.95e-03	0,0,16	0.0	0.0	0.0	0,0,0
445	0.0	0.0	6.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
446	0.0	0.0	4.10e-03	0,0,16	0.0	0.0	0.0	0,0,0
447	0.0	0.0	6.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
448	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
449	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
450	0.0	0.0	4.01e-03	0,0,16	0.0	0.0	0.0	0,0,0
451	0.0	0.0	2.47e-03	0,0,16	0.0	0.0	0.0	0,0,0
452	0.0	0.0	3.21e-03	0,0,16	0.0	0.0	0.0	0,0,0
453	0.0	0.0	3.84e-03	0,0,16	0.0	0.0	0.0	0,0,0
454	0.0	0.0	3.84e-03	0,0,16	0.0	0.0	0.0	0,0,0
455	0.0	0.0	3.21e-03	0,0,16	0.0	0.0	0.0	0,0,0
456	0.0	0.0	2.47e-03	0,0,16	0.0	0.0	0.0	0,0,0
457	0.0	0.0	4.01e-03	0,0,16	0.0	0.0	0.0	0,0,0
458	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
459	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
460	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
461	0.0	0.0	0.10	0,0,15	0.0	0.0	0.0	0,0,0
462	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
463	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
464	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
465	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
466	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
467	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
468	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
469	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
470	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
471	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
472	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
473	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
474	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
475	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
476	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
477	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
478	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
479	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
480	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
481	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
482	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
483	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
484	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
485	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0

486	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
487	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
488	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
489	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
490	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
491	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
492	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
493	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
494	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
495	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
496	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
497	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
498	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
499	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
500	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
501	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
502	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
503	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
504	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
505	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
506	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
507	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
508	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
509	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
510	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
511	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
512	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
513	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
514	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
515	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
516	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
517	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
518	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
519	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
520	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
521	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
522	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
523	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
524	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
525	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
526	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
527	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
528	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
529	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
530	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
531	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
532	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
533	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
534	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
535	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
536	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
537	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
538	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
539	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
540	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
541	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
542	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
543	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
544	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
545	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
546	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
547	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
548	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
549	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
550	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
551	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
552	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
553	0.0	0.0	0.10	0,0,15	0.0	0.0	0.0	0,0,0
554	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
555	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
556	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
557	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
558	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
559	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
560	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
561	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
562	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0

563	0.0	0.0	0.10	0,0,15	0.0	0.0	0.0	0,0,0
564	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
565	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
566	0.0	0.0	9.56e-03	0,0,15	0.0	0.0	0.0	0,0,0
567	0.0	0.0	9.01e-03	0,0,15	0.0	0.0	0.0	0,0,0
568	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
569	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
570	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
571	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
572	0.0	0.0	9.01e-03	0,0,15	0.0	0.0	0.0	0,0,0
573	0.0	0.0	9.56e-03	0,0,15	0.0	0.0	0.0	0,0,0
574	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
575	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
576	0.0	0.0	9.03e-03	0,0,15	0.0	0.0	0.0	0,0,0
577	0.0	0.0	8.27e-03	0,0,15	0.0	0.0	0.0	0,0,0
578	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
579	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
580	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
581	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
582	0.0	0.0	8.27e-03	0,0,15	0.0	0.0	0.0	0,0,0
583	0.0	0.0	9.03e-03	0,0,15	0.0	0.0	0.0	0,0,0
584	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
585	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
586	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
587	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
588	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
589	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
590	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
591	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
592	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
593	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
594	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
595	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
596	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
597	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
598	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
599	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
600	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
601	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
602	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
603	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
604	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
605	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
606	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
607	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
608	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
609	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
610	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
611	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
612	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
613	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
614	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
615	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
616	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
617	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
618	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
619	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
620	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
621	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
622	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
623	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
624	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
625	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
626	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
627	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
628	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
629	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
630	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
631	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
632	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
633	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
634	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
635	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
636	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
637	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
638	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
639	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0

640	0.0	0.0	9.63e-03	0,0,15	0.0	0.0	0.0	0,0,0
641	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
642	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
643	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
644	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
645	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
646	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
647	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
648	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
649	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
650	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
651	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
652	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
653	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
654	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
655	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
656	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
657	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
658	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
659	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
660	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
661	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
662	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
663	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
664	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
665	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
666	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
667	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
668	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
669	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
670	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
671	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
672	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
673	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
674	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
675	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
676	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
677	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
678	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
679	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
680	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
681	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
682	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
683	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
684	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
685	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
686	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
687	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
688	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
689	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
690	0.0	0.0	9.63e-03	0,0,15	0.0	0.0	0.0	0,0,0
691	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
692	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
693	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
694	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
695	0.0	0.0	0.04	0,0,15	0.0	0.0	0.0	0,0,0
696	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
697	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
698	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
699	0.0	0.0	0.02	0,0,15	0.0	0.0	0.0	0,0,0
700	0.0	0.0	0.01	0,0,15	0.0	0.0	0.0	0,0,0
701	0.0	0.0	0.05	0,0,16	0.0	0.0	0.0	0,0,0
702	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
703	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
704	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
705	0.0	0.0	0.12	0,0,15	0.0	0.0	0.0	0,0,0
706	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
707	0.0	0.0	0.09	0,0,15	0.0	0.0	0.0	0,0,0
708	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
709	0.0	0.0	0.05	0,0,15	0.0	0.0	0.0	0,0,0
710	0.0	0.0	0.03	0,0,15	0.0	0.0	0.0	0,0,0
711	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
712	0.0	0.0	6.92e-03	0,0,16	0.0	0.0	0.0	0,0,0
713	0.0	0.0	6.71e-03	0,0,16	0.0	0.0	0.0	0,0,0
714	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
715	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
716	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0

717	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
718	0.0	0.0	6.71e-03	0,0,16	0.0	0.0	0.0	0,0,0
719	0.0	0.0	6.92e-03	0,0,16	0.0	0.0	0.0	0,0,0
720	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
721	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
722	0.0	0.0	7.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
723	0.0	0.0	5.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
724	0.0	0.0	8.98e-03	0,0,16	0.0	0.0	0.0	0,0,0
725	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
726	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
727	0.0	0.0	8.98e-03	0,0,16	0.0	0.0	0.0	0,0,0
728	0.0	0.0	5.60e-03	0,0,16	0.0	0.0	0.0	0,0,0
729	0.0	0.0	7.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
730	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
731	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
732	0.0	0.0	4.03e-03	0,0,16	0.0	0.0	0.0	0,0,0
733	0.0	0.0	2.50e-03	0,0,16	0.0	0.0	0.0	0,0,0
734	0.0	0.0	3.44e-03	0,0,16	0.0	0.0	0.0	0,0,0
735	0.0	0.0	4.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
736	0.0	0.0	4.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
737	0.0	0.0	3.44e-03	0,0,16	0.0	0.0	0.0	0,0,0
738	0.0	0.0	2.50e-03	0,0,16	0.0	0.0	0.0	0,0,0
739	0.0	0.0	4.03e-03	0,0,16	0.0	0.0	0.0	0,0,0
740	0.0	0.0	5.48e-03	0,0,16	0.0	0.0	0.0	0,0,0
741	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
742	0.0	0.0	6.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
743	0.0	0.0	4.10e-03	0,0,16	0.0	0.0	0.0	0,0,0
744	0.0	0.0	6.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
745	0.0	0.0	6.95e-03	0,0,16	0.0	0.0	0.0	0,0,0
746	0.0	0.0	6.95e-03	0,0,16	0.0	0.0	0.0	0,0,0
747	0.0	0.0	6.12e-03	0,0,16	0.0	0.0	0.0	0,0,0
748	0.0	0.0	4.10e-03	0,0,16	0.0	0.0	0.0	0,0,0
749	0.0	0.0	6.56e-03	0,0,16	0.0	0.0	0.0	0,0,0
750	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
751	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
752	0.0	0.0	0.06	0,0,15	0.0	0.0	0.0	0,0,0
753	0.0	0.0	0.03	0,0,16	0.0	0.0	0.0	0,0,0
754	0.0	0.0	9.03e-03	0,0,15	0.0	0.0	0.0	0,0,0
755	0.0	0.0	8.27e-03	0,0,15	0.0	0.0	0.0	0,0,0
756	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
757	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
758	0.0	0.0	0.02	0,0,16	0.0	0.0	0.0	0,0,0
759	0.0	0.0	0.01	0,0,16	0.0	0.0	0.0	0,0,0
760	0.0	0.0	8.27e-03	0,0,15	0.0	0.0	0.0	0,0,0
765	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
766	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
767	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0
768	0.0	0.0	0.04	0,0,16	0.0	0.0	0.0	0,0,0

Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.0	0.0	0.12		0.0	0.0	0.0	

Guscio	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**
					mm	mm	mm	
99	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
100	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
137	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
148	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
159	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
160	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
161	0.0	0.0	0.13	0,0,15	0.0	0.0	0.0	0,0,0
162	0.0	0.0	0.14	0,0,15	0.0	0.0	0.0	0,0,0
163	0.0	0.0	0.15	0,0,15	0.0	0.0	0.0	0,0,0
164	0.0	0.0	0.15	0,0,15	0.0	0.0	0.0	0,0,0
165	0.0	0.0	0.14	0,0,15	0.0	0.0	0.0	0,0,0
166	0.0	0.0	0.13	0,0,15	0.0	0.0	0.0	0,0,0
167	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
168	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
169	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
170	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
171	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
172	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
173	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
174	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
175	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
176	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0

177	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
178	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
179	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
180	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
181	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
182	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
183	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
184	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
185	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
186	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
187	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
188	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
189	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
190	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
191	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
192	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
193	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
194	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
195	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
196	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
197	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
198	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
199	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
200	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
201	0.0	0.0	0.15	0,0,16	0.0	0.0	0.0	0,0,0
202	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
203	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
204	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
205	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
206	0.0	0.0	0.15	0,0,16	0.0	0.0	0.0	0,0,0
207	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
208	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
209	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
210	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
211	0.0	0.0	0.15	0,0,16	0.0	0.0	0.0	0,0,0
212	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
213	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
214	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
215	0.0	0.0	0.16	0,0,16	0.0	0.0	0.0	0,0,0
216	0.0	0.0	0.15	0,0,16	0.0	0.0	0.0	0,0,0
217	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
218	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
219	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
220	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
221	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
222	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
223	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
224	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
225	0.0	0.0	0.14	0,0,16	0.0	0.0	0.0	0,0,0
226	0.0	0.0	0.13	0,0,16	0.0	0.0	0.0	0,0,0
227	0.0	0.0	0.11	0,0,16	0.0	0.0	0.0	0,0,0
228	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
229	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
230	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
231	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
232	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
233	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
234	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
235	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
236	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0
237	0.0	0.0	0.09	0,0,16	0.0	0.0	0.0	0,0,0
238	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
239	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
240	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
241	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
242	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
243	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
244	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
245	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
246	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
247	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
248	0.0	0.0	0.07	0,0,15	0.0	0.0	0.0	0,0,0
249	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
250	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
251	0.0	0.0	0.13	0,0,15	0.0	0.0	0.0	0,0,0
252	0.0	0.0	0.14	0,0,15	0.0	0.0	0.0	0,0,0
253	0.0	0.0	0.15	0,0,15	0.0	0.0	0.0	0,0,0

254	0.0	0.0	0.15	0,0,15	0.0	0.0	0.0	0,0,0
255	0.0	0.0	0.14	0,0,15	0.0	0.0	0.0	0,0,0
256	0.0	0.0	0.13	0,0,15	0.0	0.0	0.0	0,0,0
257	0.0	0.0	0.11	0,0,15	0.0	0.0	0.0	0,0,0
258	0.0	0.0	0.08	0,0,15	0.0	0.0	0.0	0,0,0
761	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
762	0.0	0.0	0.07	0,0,16	0.0	0.0	0.0	0,0,0
763	0.0	0.0	0.06	0,0,16	0.0	0.0	0.0	0,0,0
764	0.0	0.0	0.10	0,0,16	0.0	0.0	0.0	0,0,0

Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.0	0.0	0.16		0.0	0.0	0.0	