



Engineering &Construction



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TITLE: CALCOLI PRELIMINARI CABINE ELETTRICHE SS

AVAILABLE LANGUAGE: IT

IMPIANTO EOLICO MACOMER 2

CALCOLI PRELIMINARI CABINE ELETTRICHE SS

Il Tecnico

Ing. Leonardo Sblendido

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CLASSIFICATION

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1. Premessa

La presente relazione preliminare di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Le opere oggetto delle verifiche strutturali di questa relazione, sono gli edifici di stazione annessi all'impianto Eolico "MACOMER 2" proposto da Enel Green Power Italia S.r.l., ubicati nel comune di Macomer (NU). In particolare, si riportano i risultati delle analisi svolte sull'edificio:

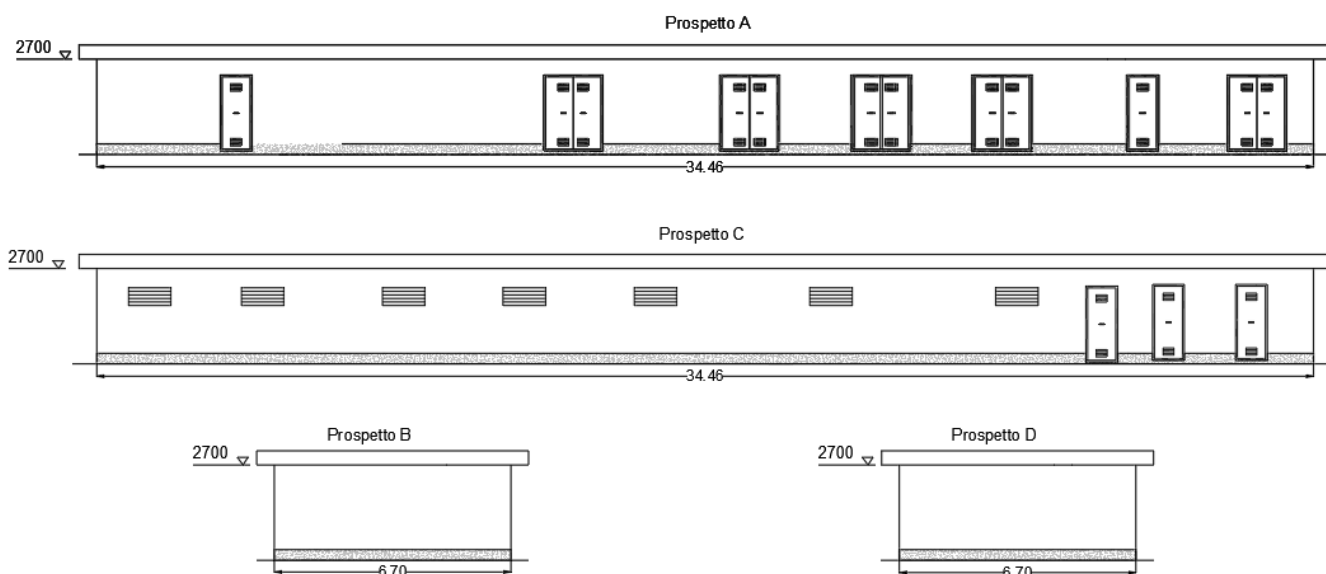


Figura 1: prospetti Edificio di stazione stallo Trasformatore

I risultati inerenti alle analisi effettuate sono riportati per esteso negli allegati della presente relazione.

2. Conclusioni

Considerato quanto allegato, la struttura risulta essere idonea allo scopo per le quali è stata progettata. Si precisa ancora una volta che il calcolo ha carattere preliminare, dovrà essere verificato in fase esecutiva considerando i carichi effettivamente trasmessi. Analogamente si rimandano le verifiche geotecniche alla fase esecutiva.



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ALLEGATO 1 – Tabulati di Calcolo Edificio di stazione



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1. Descrizione generale dell'opera

Descrizione generale dell'opera

Fabbricato ad uso	
Ubicazione	Comune di MACOMER (NU) (Regione SARDEGNA)
	Località MACOMER (NU)
	Longitudine 8.779, Latitudine 40.265
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	
Numero vani ascensore	
Tipo di fondazione	

Principali caratteristiche della struttura

Struttura regolare in pianta	
Struttura regolare in altezza	
Classe di duttilità	
Travi: ricalate o in spessore	
Pilastrì	
Pilastrì in falso	
Tipo di fondazione	
Condizioni per cui è necessario considerare la componente verticale del sisma	

Parametri della struttura

Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
IV	50.0	2.0	100.0

Fattore di struttura/comportamento

Edificio in Elevazione:

qSLU x=3.3

qSLU y=3.3

Fondazione:

q=1

1.1. Quadro normativo di riferimento adottato

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.



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Nel capitolo "normativa di riferimento" è comunque presente l'elenco completo delle normative disponibili.

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

1.2. Azioni di progetto sulla costruzione

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

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica*.

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$K * u = F$ dove K = matrice di rigidezza

u = vettore spostamenti nodali

F = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

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



1.3. Modello numerico

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

Tipo di analisi strutturale

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

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

1.3.1. Informazioni sul codice di calcolo

Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2020-01-187)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Codice Licenza:	Licenza dsi5451

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

Affidabilità dei codici utilizzati

2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.

E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link:
<https://www.2si.it/it/prodotti/affidabilita/>



Modellazione della geometria e proprietà meccaniche:

nodi	1241
elementi D2 (per aste, travi, pilastri...)	47
elementi D3 (per pareti, platee, gusci...)	1125
elementi solaio	23
elementi solidi	0

Dimensione del modello strutturale [cm]:

X min =	-50.00
Xmax =	3550.00
Ymin =	-50.00
Ymax =	679.98
Zmin =	0.00
Zmax =	300.00

Strutture verticali:

Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO

Strutture non verticali:

Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO

Orizzontamenti:

Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	SI

Tipo di vincoli:

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



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

1.5. Combinazioni e/o percorsi di carico

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

Combinazioni dei casi di carico

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

Principali risultati

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.

Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura:

per l'analisi modale:

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

deformate e sollecitazioni:

- spostamenti e rotazioni dei singoli nodi della struttura
- reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente)
- pressioni sul terreno (nel caso siano presenti elementi di fondazione)



- sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative
- tensioni sugli elementi d3 nelle combinazioni di calcolo più significative
- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

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

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

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

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

per il progetto-verifica degli elementi:

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

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

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

1.6. Verifiche agli stati limite ultimi

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

1.7. Verifiche agli stati limite di esercizio

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

1.8. RELAZIONE SUI MATERIALI

Il capitolo Materiali riporta informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.



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2. NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesì per unità di volume, pesì propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi

di calcolo semplificato per strutture di muratura non armata.

31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

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

ISTITUTO NAZIONALE DI GEOFISICA E VULCANOLOGIA

< 0.025
 0.025-0.050
 0.050-0.075
 0.075-0.100
 0.100-0.125
 0.125-0.150
 0.150-0.175
 0.175-0.200
 0.200-0.225
 0.225-0.250
 0.250-0.275
 0.275-0.300
 0.300-0.350
 0.350-0.400
 0.400-0.450
 0.450-0.500
 0.500-0.600
 0.600-0.700

Nota: per il calcolo dei parametri sismici
 1) inserire le coordinate geografiche 2) introdurre Vn e Cu

 Per le isole è possibile utilizzare come località: gruppo isole N
 [con N = 1,2,3,4,5]

Vertici della maglia elementare

Id nodo	Longitudine	Latitudine	Distanza [km]

Coordinate geografiche

Località:

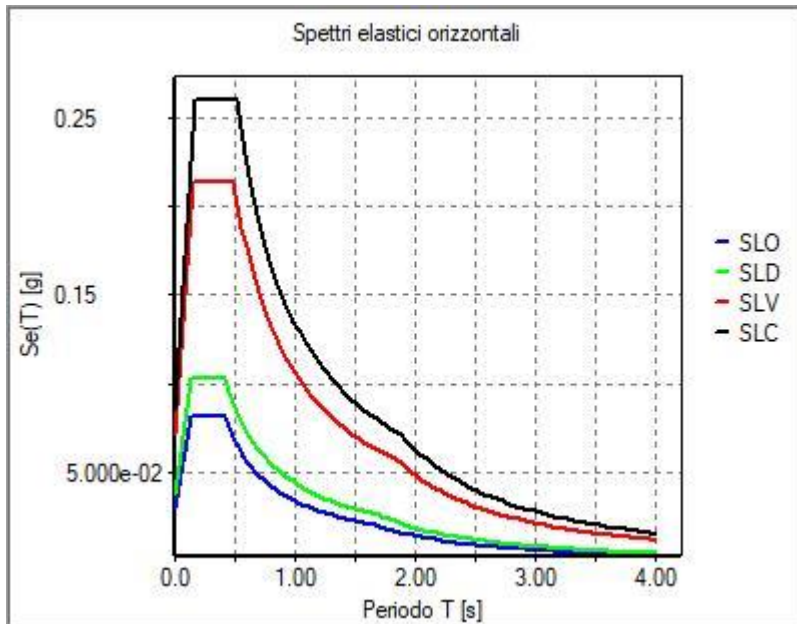
Longitudine: Latitudine:

Parametri per le forme spettrali

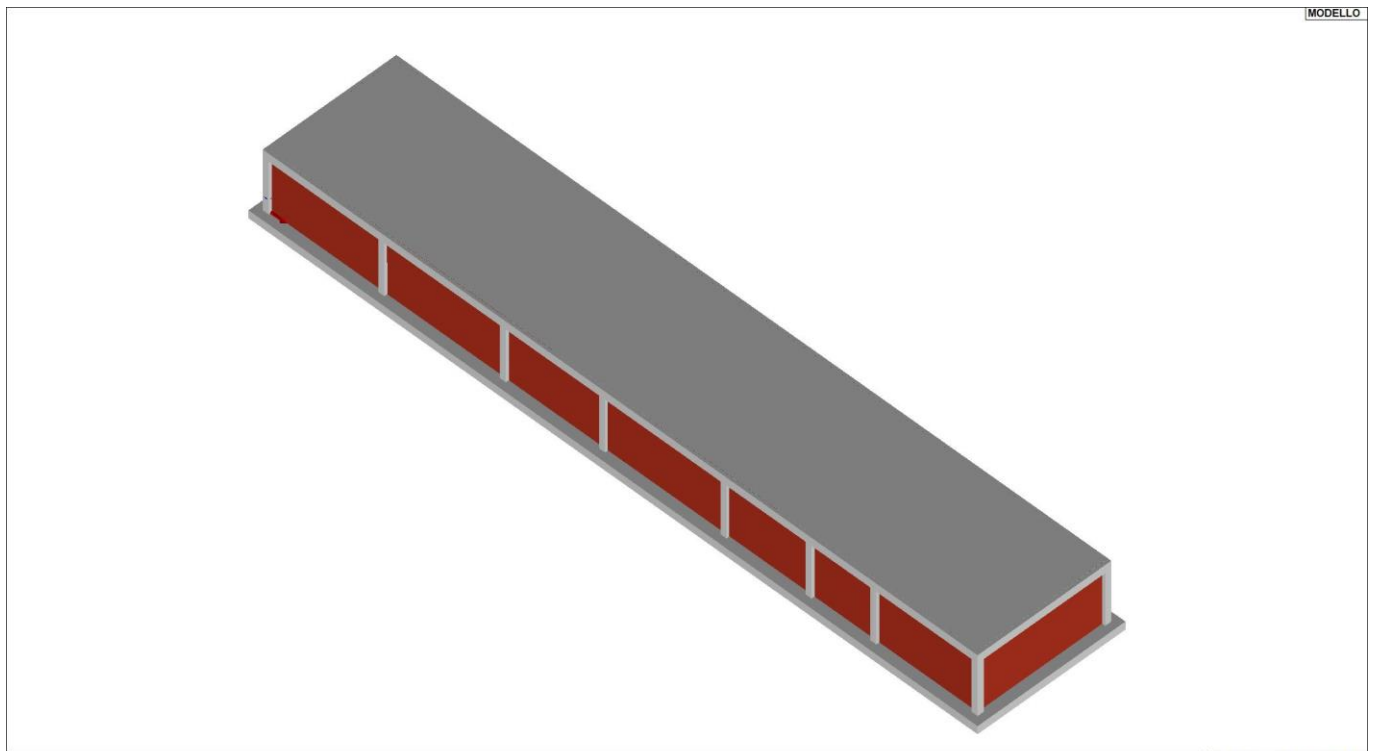
	Pver	Tr	ag [g]	Fo	T*c
SLO	<input type="text" value="81"/>	<input type="text" value="60"/>	<input type="text" value="0.025"/>	<input type="text" value="2.680"/>	<input type="text" value="0.300"/>
SLD	<input type="text" value="63"/>	<input type="text" value="101"/>	<input type="text" value="0.031"/>	<input type="text" value="2.730"/>	<input type="text" value="0.310"/>
SLV	<input type="text" value="10"/>	<input type="text" value="949"/>	<input type="text" value="0.060"/>	<input type="text" value="2.970"/>	<input type="text" value="0.370"/>
SLC	<input type="text" value="5"/>	<input type="text" value="1950"/>	<input type="text" value="0.071"/>	<input type="text" value="3.060"/>	<input type="text" value="0.390"/>

Periodo di riferimento per l'azione sismica

Vita Vn [anni]	Coefficiente uso Cu	Periodo Vr [anni]	Livello di sicurezza per esistenti %
<input type="text" value="50"/>	<input type="text" value="2"/>	<input type="text" value="100"/>	<input type="text" value="100"/>



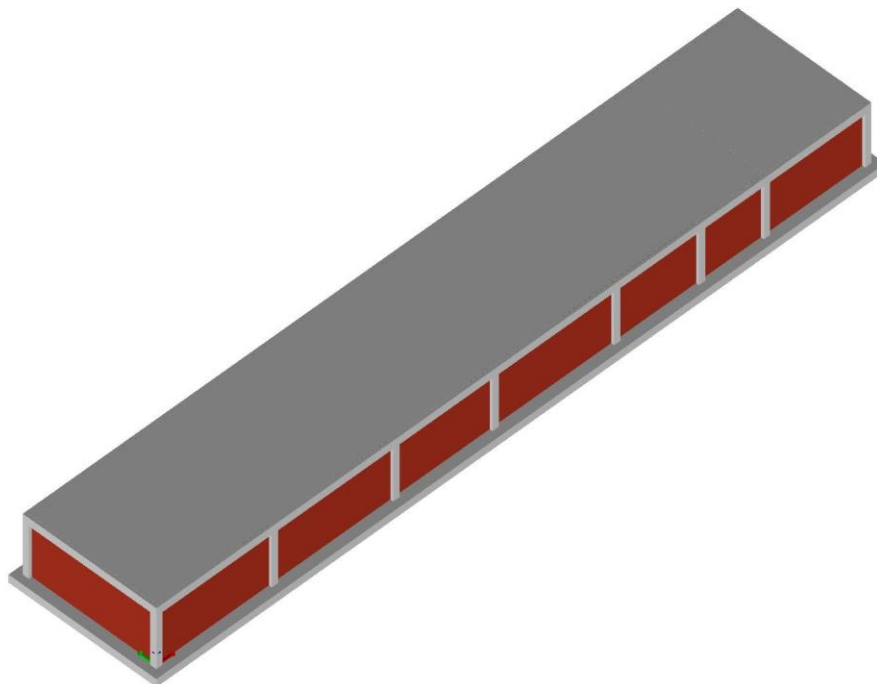
01_INT_SPETTRI_ELASTICI_O

MODELLO
01_Edificio SSE_MACOMER 2

01_INT_VISTA_SOLIDA_001



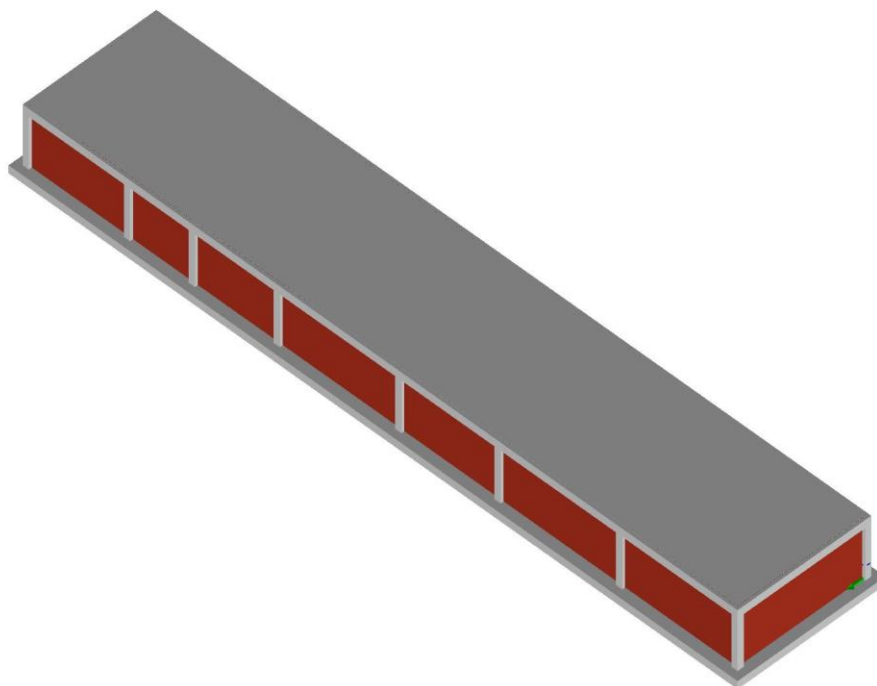
MODELLO



01_Edificio SSE_MACOMER 2

01_INT_VISTA_SOLIDA_002

MODELLO

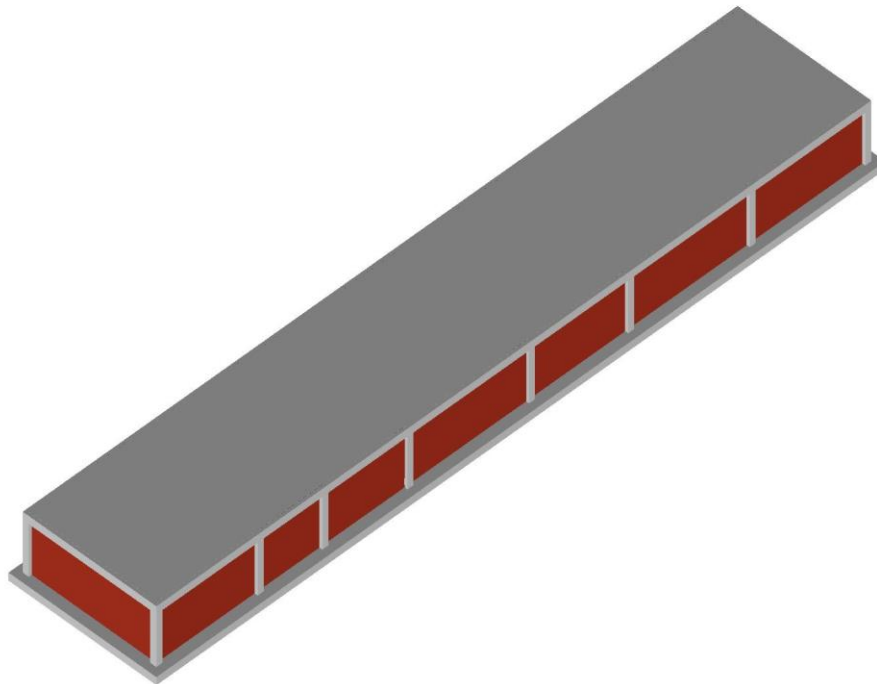


01_Edificio SSE_MACOMER 2

01_INT_VISTA_SOLIDA_003



MODELLO



01_Edificio SSE_MACOMER 2

01_INT_VISTA_SOLIDA_004



3. CARATTERISTICHE MATERIALI UTILIZZATI

3.1. LEGENDA TABELLA DATI MATERIALI

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

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

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

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ν
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	Coefficiente di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

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



1 cemento armato

Resistenza Rc	resistenza a compressione 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 fvlm	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

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

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni 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.

Test N°	Titolo
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.



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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
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA



	DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
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

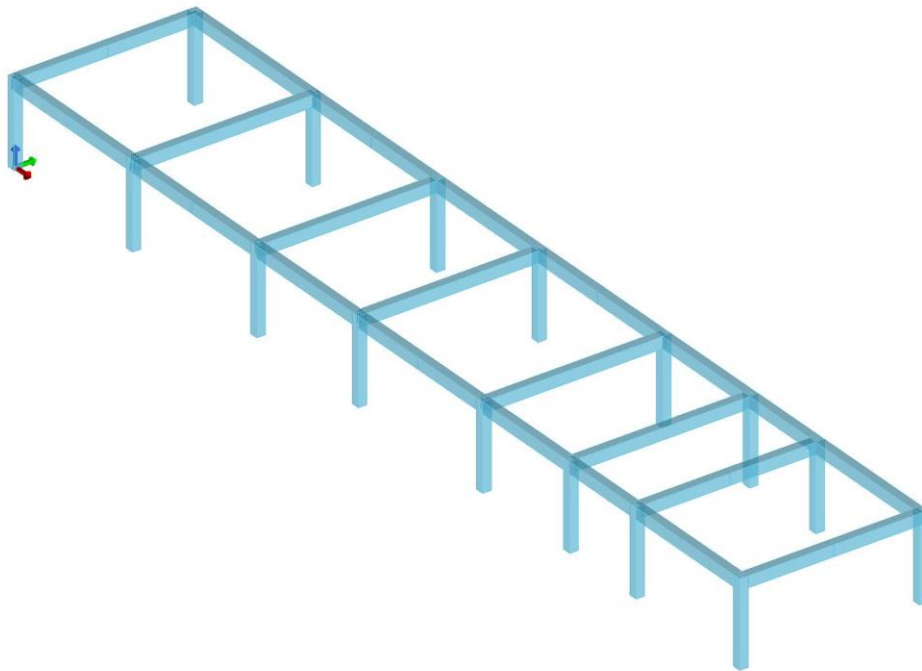
Test N°	Titolo
81	ANALISI PUSHOVER DI UNA STRUTTURA IN MURATURA
84	ANALISI ELASTO PLASTICA INCREMENTALE, PARETE IN MURATURA
86	VERIFICA NON SISMICA DELLE MURATURE (D.M. 87 TA)
87	VERIFICA NON SISMICA DELLE MURATURE (D.M. 2005 SL)
88	FATTORE DI STRUTTURA

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



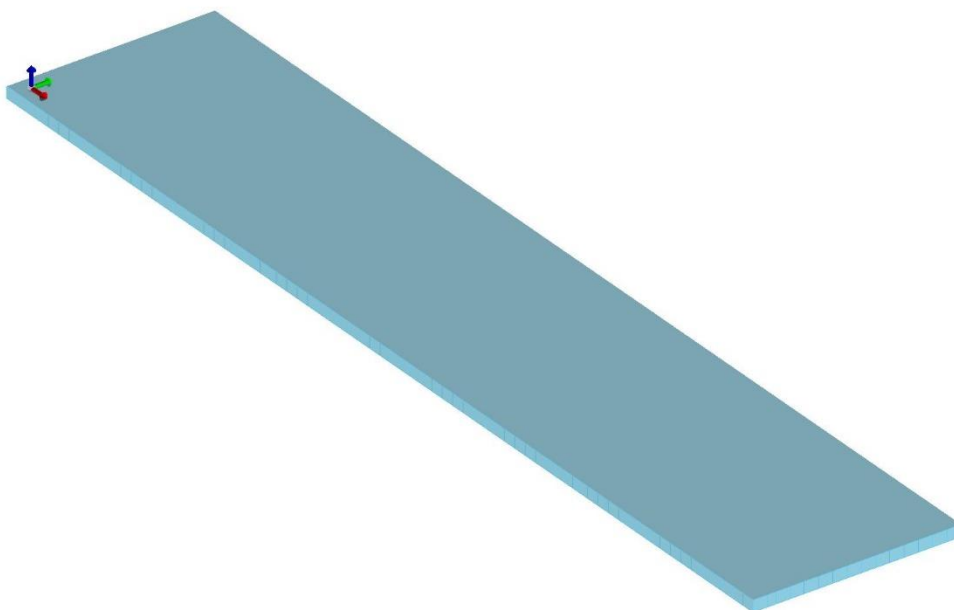
MODELLO



01_Edificio SSE_MACOMER 2

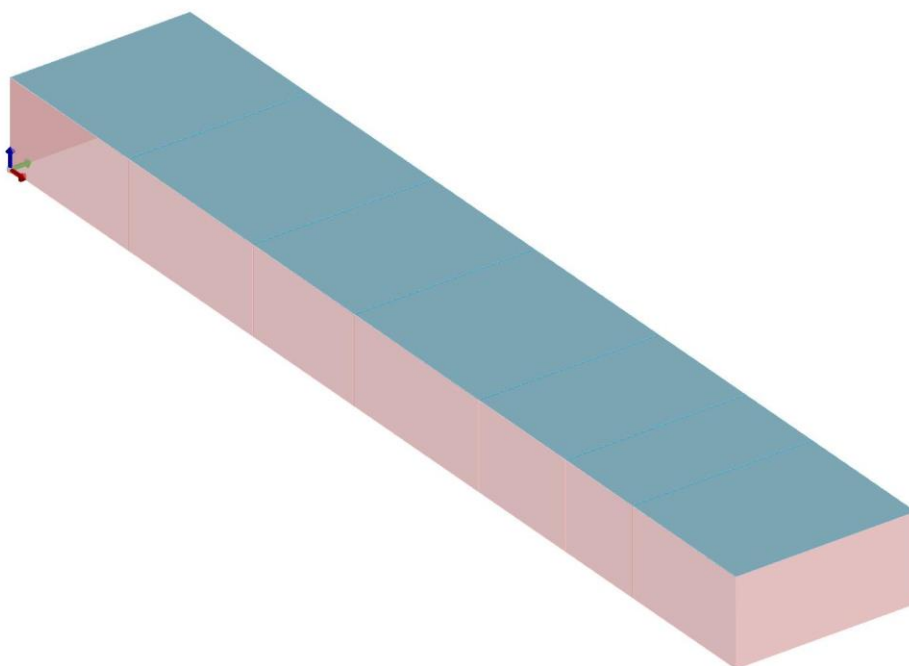
11_MOD_MATERIALI_D2

MODELLO



01_Edificio SSE_MACOMER 2

11_MOD_MATERIALI_D3



11_MOD_MATERIALI_SOLAI

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0					
Angolo Ax-Ay [gradi]	90.00					
Minima tesa	0.31					
Massima tesa	0.78					
Maglia unica centrale	No					
Copriferro [cm]	2.00					
Maglia x						
diámetro	10					
passo	20					
diámetro aggiuntivi	12					
Maglia y						
diámetro	10					
passo	20					
diámetro aggiuntivi	12					
Stati limite ultimi						
Tensione fy [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	Si					
Applica SLU da DIN	No					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	97.50					
Tensione amm. acciaio [daN/cm ²]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Resistenza al fuoco						
3- intradosso	No					
3+ estradosso	No					
Tempo di esposizione R	15					



Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	No					
Af inf: da q*L*L /	0.0					
Armatura						
Minima tesa	0.31					
Minima compressa	0.31					
Massima tesa	0.78					
Da sezione	Si					
Usa armatura teorica	No					
Stati limite ultimi						
Tensione fy [daN/cm ²]	4500.00					
Tensione fy staffe [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	Si					
Fattore di redistribuzione	0.0					
Modello per il confinamento						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	97.50					
Tensione amm. acciaio [daN/cm ²]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Staffe						
Diametro staffe	0.0					
Passo minimo [cm]	4.00					
Passo massimo [cm]	30.00					
Passo raffittito [cm]	15.00					
Lunghezza zona raffittita [cm]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luce di taglio per GR [cm]	1.00					
Adotta scorrimento medio	No					
Torsione non essenziale inclusa	Si					

Pilastrì c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati					
Progetta a filo	No					
Effetti del 2 ordine	Si					
Beta per 2-2	1.00					
Beta per 3-3	1.00					
Armatura						
Massima tesa	4.00					
Minima tesa	1.00					
Stati limite ultimi						
Tensione fy [daN/cm ²]	4500.00					
Tensione fy staffe [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	Si					
Modello per il confinamento						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	97.50					
Tensione amm. acciaio [daN/cm ²]	2600.00					



Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Rapporto omogeneizzazione N	15.00					
Staffe						
Diametro staffe	0.0					
Passo minimo [cm]	5.00					
Passo massimo [cm]	25.00					
Passo raffittito [cm]	15.00					
Lunghezza zona raffittita [cm]	45.00					
Ctg(Teta) Max	2.50					
Luce di taglio per GR [cm]	1.00					
Massimizza gerarchia	Si					

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	No					
Af inf: da traliccio	Si					
Consenti armatura a taglio	No					
Incrementa armatura longitudinale per taglio	Si					
Af inf: da q*L*L /	20.00					
Incremento fascia piena [cm]	5.00					
Armatura						
Minima tesa	0.15					
Massima tesa	3.00					
Minima compressa	0.0					
Af/h [cm]	7.000e-02					
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di redistribuzione	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	85.00					
Tensione amm. acciaio [daN/cm2]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Verifica freccia						
Infinita	250.00					
Istantanea	500.00					
Fattore viscosità	3.00					
Usa J non fessurato	No					
Elementi non strutturali						
Tamponatura antiespulsione	No					
Tamponatura con armatura	No					
Fattore di struttura/comportamento	2.00					
Coefficiente gamma m	0.0					
Periodo Ta	0.0					
Altezza pannello	0.0					

4. MODELLAZIONE DELLE SEZIONI

4.1. LEGENDA TABELLA DATI SEZIONI

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

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

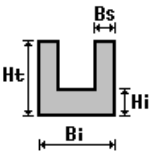
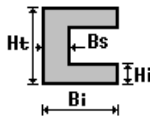
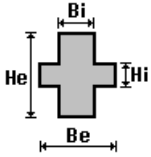
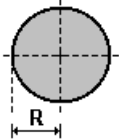
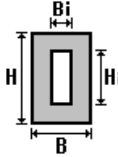
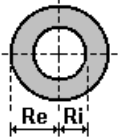
Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

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

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

rettangolare	a T	a T rovescia	a T di colmo	a L	a L specchiata



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



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

Per quanto concerne le sezioni di tipo generico (tipo 1.):

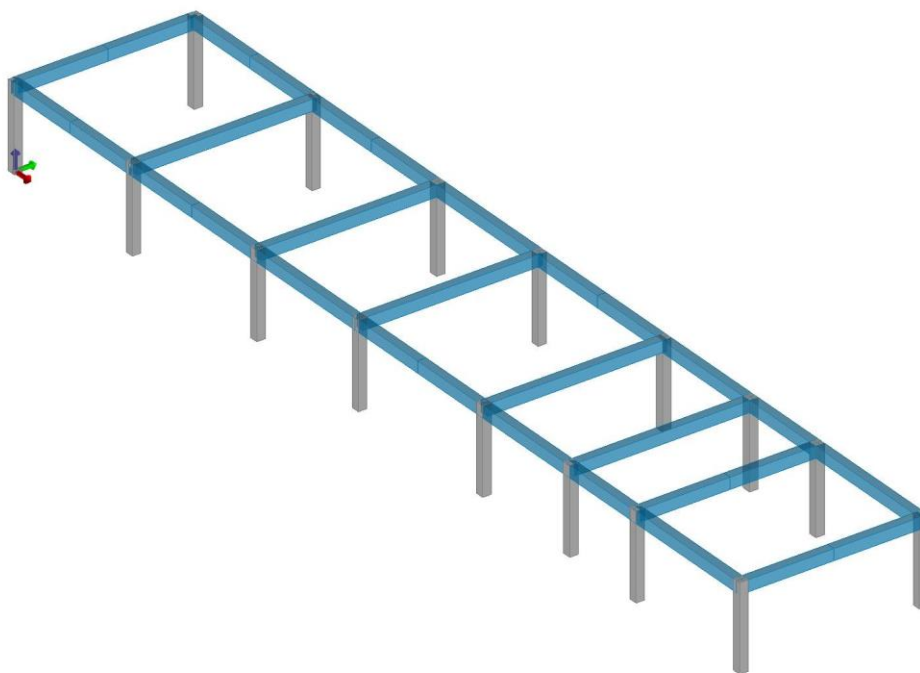
i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

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
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
104	ANALISI DI RESISTENZA AL FUOCO

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Rettangolare: b=30.00 h =30.00	900.00	750.00	750.00	1.139e+05	6.750e+04	6.750e+04	4500.00	4500.00	6750.00	6750.00
2	Rettangolare: b=30 h=40	1200.00	1000.00	1000.00	1.946e+05	9.000e+04	1.600e+05	6000.00	8000.00	9000.00	1.200e+04



13_MOD_SEZIONI

5. MODELLAZIONE STRUTTURA: NODI

5.1. LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

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

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

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



Z valore della coordinata Z

Note eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).

Note (FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo.
(ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo

Rig. TX valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

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

5.1.1. TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	0.0	0.0	2	0.0	0.0	300.0	3	0.0	630.0	0.0
4	0.0	630.0	300.0	5	1170.0	0.0	300.0	6	570.0	630.0	300.0
7	2260.0	0.0	300.0	8	1660.0	0.0	300.0	9	2680.0	0.0	0.0
10	1170.0	630.0	300.0	11	1170.0	630.0	0.0	12	2260.0	0.0	0.0
13	1660.0	630.0	0.0	14	1660.0	630.0	300.0	15	2260.0	630.0	0.0
16	2260.0	630.0	300.0	17	2680.0	630.0	0.0	18	2680.0	630.0	300.0
19	2680.0	0.0	300.0	20	570.0	0.0	300.0	21	1170.0	0.0	0.0
22	570.0	0.0	0.0	23	1660.0	0.0	0.0	24	2900.0	480.0	0.0
25	3000.0	0.0	0.0	26	3000.0	0.0	300.0	27	3000.0	630.0	0.0
28	3000.0	630.0	300.0	29	50.0	0.0	0.0	30	50.0	30.0	0.0
31	0.0	30.0	0.0	32	50.0	80.0	0.0	33	0.0	80.0	0.0
34	50.0	130.0	0.0	35	0.0	130.0	0.0	36	50.0	180.0	0.0
37	0.0	180.0	0.0	38	50.0	230.0	0.0	39	0.0	230.0	0.0
40	50.0	280.0	0.0	41	0.0	280.0	0.0	42	50.0	330.0	0.0
43	0.0	330.0	0.0	44	50.0	380.0	0.0	45	0.0	380.0	0.0
46	50.0	430.0	0.0	47	0.0	430.0	0.0	48	50.0	480.0	0.0
49	0.0	480.0	0.0	50	50.0	530.0	0.0	51	0.0	530.0	0.0
52	50.0	580.0	0.0	53	0.0	580.0	0.0	54	50.0	630.0	0.0
55	100.0	0.0	0.0	56	100.0	30.0	0.0	57	100.0	80.0	0.0
58	100.0	130.0	0.0	59	100.0	180.0	0.0	60	100.0	230.0	0.0
61	100.0	280.0	0.0	62	100.0	330.0	0.0	63	100.0	380.0	0.0
64	100.0	430.0	0.0	65	100.0	480.0	0.0	66	100.0	530.0	0.0
67	100.0	580.0	0.0	68	100.0	630.0	0.0	69	150.0	0.0	0.0
70	150.0	30.0	0.0	71	150.0	80.0	0.0	72	150.0	130.0	0.0
73	150.0	180.0	0.0	74	150.0	230.0	0.0	75	150.0	280.0	0.0
76	150.0	330.0	0.0	77	150.0	380.0	0.0	78	150.0	430.0	0.0
79	150.0	480.0	0.0	80	150.0	530.0	0.0	81	150.0	580.0	0.0
82	150.0	630.0	0.0	83	200.0	0.0	0.0	84	200.0	30.0	0.0
85	200.0	80.0	0.0	86	200.0	130.0	0.0	87	200.0	180.0	0.0
88	200.0	230.0	0.0	89	200.0	280.0	0.0	90	200.0	330.0	0.0
91	200.0	380.0	0.0	92	200.0	430.0	0.0	93	200.0	480.0	0.0
94	200.0	530.0	0.0	95	200.0	580.0	0.0	96	200.0	630.0	0.0
97	250.0	0.0	0.0	98	250.0	30.0	0.0	99	250.0	80.0	0.0
100	250.0	130.0	0.0	101	250.0	180.0	0.0	102	250.0	230.0	0.0
103	250.0	280.0	0.0	104	250.0	330.0	0.0	105	250.0	380.0	0.0
106	250.0	430.0	0.0	107	250.0	480.0	0.0	108	250.0	530.0	0.0
109	250.0	580.0	0.0	110	250.0	630.0	0.0	111	300.0	0.0	0.0
112	300.0	30.0	0.0	113	300.0	80.0	0.0	114	300.0	130.0	0.0
115	300.0	180.0	0.0	116	300.0	230.0	0.0	117	300.0	280.0	0.0
118	300.0	330.0	0.0	119	300.0	380.0	0.0	120	300.0	430.0	0.0
121	300.0	480.0	0.0	122	300.0	530.0	0.0	123	300.0	580.0	0.0
124	300.0	630.0	0.0	125	350.0	0.0	0.0	126	350.0	30.0	0.0
127	350.0	80.0	0.0	128	350.0	130.0	0.0	129	350.0	180.0	0.0
130	350.0	230.0	0.0	131	350.0	280.0	0.0	132	350.0	330.0	0.0
133	350.0	380.0	0.0	134	350.0	430.0	0.0	135	350.0	480.0	0.0



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136	350.0	530.0	0.0	137	350.0	580.0	0.0	138	350.0	630.0	0.0
139	400.0	0.0	0.0	140	400.0	30.0	0.0	141	400.0	80.0	0.0
142	400.0	130.0	0.0	143	400.0	180.0	0.0	144	400.0	230.0	0.0
145	400.0	280.0	0.0	146	400.0	330.0	0.0	147	400.0	380.0	0.0
148	400.0	430.0	0.0	149	400.0	480.0	0.0	150	400.0	530.0	0.0
151	400.0	580.0	0.0	152	400.0	630.0	0.0	153	450.0	0.0	0.0
154	450.0	30.0	0.0	155	450.0	80.0	0.0	156	450.0	130.0	0.0
157	450.0	180.0	0.0	158	450.0	230.0	0.0	159	450.0	280.0	0.0
160	450.0	330.0	0.0	161	450.0	380.0	0.0	162	450.0	430.0	0.0
163	450.0	480.0	0.0	164	450.0	530.0	0.0	165	450.0	580.0	0.0
166	450.0	630.0	0.0	167	500.0	0.0	0.0	168	500.0	30.0	0.0
169	500.0	80.0	0.0	170	500.0	130.0	0.0	171	500.0	180.0	0.0
172	500.0	230.0	0.0	173	500.0	280.0	0.0	174	500.0	330.0	0.0
175	500.0	380.0	0.0	176	500.0	430.0	0.0	177	500.0	480.0	0.0
178	500.0	530.0	0.0	179	2950.0	530.0	0.0	180	550.0	0.0	0.0
181	550.0	30.0	0.0	182	550.0	80.0	0.0	183	550.0	130.0	0.0
184	550.0	180.0	0.0	185	550.0	230.0	0.0	186	550.0	280.0	0.0
187	550.0	330.0	0.0	188	550.0	380.0	0.0	189	550.0	430.0	0.0
190	550.0	480.0	0.0	191	550.0	530.0	0.0	192	550.0	580.0	0.0
193	550.0	630.0	0.0	194	570.0	30.0	0.0	195	570.0	80.0	0.0
196	570.0	130.0	0.0	197	570.0	180.0	0.0	198	570.0	230.0	0.0
199	570.0	280.0	0.0	200	570.0	330.0	0.0	201	570.0	380.0	0.0
202	570.0	430.0	0.0	203	570.0	480.0	0.0	204	570.0	530.0	0.0
205	570.0	580.0	0.0	206	570.0	630.0	0.0	207	600.0	0.0	0.0
208	600.0	30.0	0.0	209	600.0	80.0	0.0	210	600.0	130.0	0.0
211	600.0	180.0	0.0	212	600.0	230.0	0.0	213	600.0	280.0	0.0
214	600.0	330.0	0.0	215	600.0	380.0	0.0	216	600.0	430.0	0.0
217	600.0	480.0	0.0	218	600.0	530.0	0.0	219	600.0	580.0	0.0
220	600.0	630.0	0.0	221	650.0	0.0	0.0	222	650.0	30.0	0.0
223	650.0	80.0	0.0	224	650.0	130.0	0.0	225	650.0	180.0	0.0
226	650.0	230.0	0.0	227	650.0	280.0	0.0	228	650.0	330.0	0.0
229	650.0	380.0	0.0	230	650.0	430.0	0.0	231	650.0	480.0	0.0
232	650.0	530.0	0.0	233	650.0	580.0	0.0	234	650.0	630.0	0.0
235	700.0	0.0	0.0	236	700.0	30.0	0.0	237	700.0	80.0	0.0
238	700.0	130.0	0.0	239	700.0	180.0	0.0	240	700.0	230.0	0.0
241	700.0	280.0	0.0	242	700.0	330.0	0.0	243	700.0	380.0	0.0
244	700.0	430.0	0.0	245	700.0	480.0	0.0	246	700.0	530.0	0.0
247	700.0	580.0	0.0	248	700.0	630.0	0.0	249	750.0	0.0	0.0
250	750.0	30.0	0.0	251	750.0	80.0	0.0	252	750.0	130.0	0.0
253	750.0	180.0	0.0	254	750.0	230.0	0.0	255	750.0	280.0	0.0
256	750.0	330.0	0.0	257	750.0	380.0	0.0	258	750.0	430.0	0.0
259	750.0	480.0	0.0	260	750.0	530.0	0.0	261	750.0	580.0	0.0
262	750.0	630.0	0.0	263	800.0	0.0	0.0	264	800.0	30.0	0.0
265	800.0	80.0	0.0	266	800.0	130.0	0.0	267	800.0	180.0	0.0
268	800.0	230.0	0.0	269	800.0	280.0	0.0	270	800.0	330.0	0.0
271	800.0	380.0	0.0	272	800.0	430.0	0.0	273	800.0	480.0	0.0
274	800.0	530.0	0.0	275	800.0	580.0	0.0	276	800.0	630.0	0.0
277	850.0	0.0	0.0	278	850.0	30.0	0.0	279	850.0	80.0	0.0
280	850.0	130.0	0.0	281	850.0	180.0	0.0	282	850.0	230.0	0.0
283	850.0	280.0	0.0	284	850.0	330.0	0.0	285	850.0	380.0	0.0
286	850.0	430.0	0.0	287	850.0	480.0	0.0	288	850.0	530.0	0.0
289	850.0	580.0	0.0	290	850.0	630.0	0.0	291	900.0	0.0	0.0
292	900.0	30.0	0.0	293	900.0	80.0	0.0	294	900.0	130.0	0.0
295	900.0	180.0	0.0	296	900.0	230.0	0.0	297	900.0	280.0	0.0
298	900.0	330.0	0.0	299	900.0	380.0	0.0	300	900.0	430.0	0.0
301	900.0	480.0	0.0	302	900.0	530.0	0.0	303	900.0	580.0	0.0
304	900.0	630.0	0.0	305	950.0	0.0	0.0	306	950.0	30.0	0.0
307	950.0	80.0	0.0	308	950.0	130.0	0.0	309	950.0	180.0	0.0
310	950.0	230.0	0.0	311	950.0	280.0	0.0	312	950.0	330.0	0.0
313	950.0	380.0	0.0	314	950.0	430.0	0.0	315	950.0	480.0	0.0
316	950.0	530.0	0.0	317	950.0	580.0	0.0	318	950.0	630.0	0.0
319	1000.0	0.0	0.0	320	1000.0	30.0	0.0	321	1000.0	80.0	0.0
322	1000.0	130.0	0.0	323	1000.0	180.0	0.0	324	1000.0	230.0	0.0
325	1000.0	280.0	0.0	326	1000.0	330.0	0.0	327	1000.0	380.0	0.0
328	1000.0	430.0	0.0	329	1000.0	480.0	0.0	330	1000.0	530.0	0.0
331	1000.0	580.0	0.0	332	1000.0	630.0	0.0	333	1050.0	0.0	0.0
334	1050.0	30.0	0.0	335	1050.0	80.0	0.0	336	1050.0	130.0	0.0
337	1050.0	180.0	0.0	338	1050.0	230.0	0.0	339	1050.0	280.0	0.0
340	1050.0	330.0	0.0	341	1050.0	380.0	0.0	342	1050.0	430.0	0.0
343	1050.0	480.0	0.0	344	1050.0	530.0	0.0	345	1050.0	580.0	0.0
346	1050.0	630.0	0.0	347	1100.0	0.0	0.0	348	1100.0	30.0	0.0
349	1100.0	80.0	0.0	350	1100.0	130.0	0.0	351	1100.0	180.0	0.0
352	1100.0	230.0	0.0	353	1100.0	280.0	0.0	354	1100.0	330.0	0.0
355	1100.0	380.0	0.0	356	1100.0	430.0	0.0	357	1100.0	480.0	0.0
358	1100.0	530.0	0.0	359	1100.0	580.0	0.0	360	1100.0	630.0	0.0
361	1150.0	0.0	0.0	362	1150.0	30.0	0.0	363	1150.0	80.0	0.0



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364	1150.0	130.0	0.0	365	1150.0	180.0	0.0	366	1150.0	230.0	0.0
367	1150.0	280.0	0.0	368	1150.0	330.0	0.0	369	1150.0	380.0	0.0
370	1150.0	430.0	0.0	371	1150.0	480.0	0.0	372	1150.0	530.0	0.0
373	1150.0	580.0	0.0	374	1150.0	630.0	0.0	375	1170.0	30.0	0.0
376	1170.0	80.0	0.0	377	1170.0	130.0	0.0	378	1170.0	180.0	0.0
379	1170.0	230.0	0.0	380	1170.0	280.0	0.0	381	1170.0	330.0	0.0
382	1170.0	380.0	0.0	383	1170.0	430.0	0.0	384	1170.0	480.0	0.0
385	1170.0	530.0	0.0	386	1170.0	580.0	0.0	387	1200.0	0.0	0.0
388	1200.0	30.0	0.0	389	1200.0	80.0	0.0	390	1200.0	130.0	0.0
391	1200.0	180.0	0.0	392	1200.0	230.0	0.0	393	1200.0	280.0	0.0
394	1200.0	330.0	0.0	395	1200.0	380.0	0.0	396	1200.0	430.0	0.0
397	1200.0	480.0	0.0	398	1200.0	530.0	0.0	399	1200.0	580.0	0.0
400	1200.0	630.0	0.0	401	1250.0	0.0	0.0	402	1250.0	30.0	0.0
403	1250.0	80.0	0.0	404	1250.0	130.0	0.0	405	1250.0	180.0	0.0
406	1250.0	230.0	0.0	407	1250.0	280.0	0.0	408	1250.0	330.0	0.0
409	1250.0	380.0	0.0	410	1250.0	430.0	0.0	411	1250.0	480.0	0.0
412	1250.0	530.0	0.0	413	1250.0	580.0	0.0	414	1250.0	630.0	0.0
415	1300.0	0.0	0.0	416	1300.0	30.0	0.0	417	1300.0	80.0	0.0
418	1300.0	130.0	0.0	419	1300.0	180.0	0.0	420	1300.0	230.0	0.0
421	1300.0	280.0	0.0	422	1300.0	330.0	0.0	423	1300.0	380.0	0.0
424	1300.0	430.0	0.0	425	1300.0	480.0	0.0	426	1300.0	530.0	0.0
427	1300.0	580.0	0.0	428	1300.0	630.0	0.0	429	1350.0	0.0	0.0
430	1350.0	30.0	0.0	431	1350.0	80.0	0.0	432	1350.0	130.0	0.0
433	1350.0	180.0	0.0	434	1350.0	230.0	0.0	435	1350.0	280.0	0.0
436	1350.0	330.0	0.0	437	1350.0	380.0	0.0	438	1350.0	430.0	0.0
439	1350.0	480.0	0.0	440	1350.0	530.0	0.0	441	1350.0	580.0	0.0
442	1350.0	630.0	0.0	443	1400.0	0.0	0.0	444	1400.0	30.0	0.0
445	1400.0	80.0	0.0	446	1400.0	130.0	0.0	447	1400.0	180.0	0.0
448	1400.0	230.0	0.0	449	1400.0	280.0	0.0	450	1400.0	330.0	0.0
451	1400.0	380.0	0.0	452	1400.0	430.0	0.0	453	1400.0	480.0	0.0
454	1400.0	530.0	0.0	455	1400.0	580.0	0.0	456	1400.0	630.0	0.0
457	1450.0	0.0	0.0	458	1450.0	30.0	0.0	459	1450.0	80.0	0.0
460	1450.0	130.0	0.0	461	1450.0	180.0	0.0	462	1450.0	230.0	0.0
463	1450.0	280.0	0.0	464	1450.0	330.0	0.0	465	1450.0	380.0	0.0
466	1450.0	430.0	0.0	467	1450.0	480.0	0.0	468	1450.0	530.0	0.0
469	1450.0	580.0	0.0	470	1450.0	630.0	0.0	471	1500.0	0.0	0.0
472	1500.0	30.0	0.0	473	1500.0	80.0	0.0	474	1500.0	130.0	0.0
475	1500.0	180.0	0.0	476	1500.0	230.0	0.0	477	1500.0	280.0	0.0
478	1500.0	330.0	0.0	479	1500.0	380.0	0.0	480	1500.0	430.0	0.0
481	1500.0	480.0	0.0	482	1500.0	530.0	0.0	483	1500.0	580.0	0.0
484	1500.0	630.0	0.0	485	1550.0	0.0	0.0	486	1550.0	30.0	0.0
487	1550.0	80.0	0.0	488	1550.0	130.0	0.0	489	1550.0	180.0	0.0
490	1550.0	230.0	0.0	491	1550.0	280.0	0.0	492	1550.0	330.0	0.0
493	1550.0	380.0	0.0	494	1550.0	430.0	0.0	495	1550.0	480.0	0.0
496	1550.0	530.0	0.0	497	1550.0	580.0	0.0	498	1550.0	630.0	0.0
499	1600.0	0.0	0.0	500	1600.0	30.0	0.0	501	1600.0	80.0	0.0
502	1600.0	130.0	0.0	503	1600.0	180.0	0.0	504	1600.0	230.0	0.0
505	1600.0	280.0	0.0	506	1600.0	330.0	0.0	507	1600.0	380.0	0.0
508	1600.0	430.0	0.0	509	1600.0	480.0	0.0	510	1600.0	530.0	0.0
511	1600.0	580.0	0.0	512	1600.0	630.0	0.0	513	2900.0	530.0	0.0
514	1660.0	30.0	0.0	515	1660.0	80.0	0.0	516	1660.0	130.0	0.0
517	1660.0	180.0	0.0	518	1660.0	230.0	0.0	519	1660.0	280.0	0.0
520	1660.0	330.0	0.0	521	1660.0	380.0	0.0	522	1660.0	430.0	0.0
523	1660.0	480.0	0.0	524	1660.0	530.0	0.0	525	1660.0	580.0	0.0
526	2900.0	580.0	0.0	527	2900.0	630.0	0.0	528	2950.0	0.0	0.0
529	2950.0	30.0	0.0	530	2950.0	80.0	0.0	531	2950.0	130.0	0.0
532	2950.0	180.0	0.0	533	2950.0	230.0	0.0	534	2950.0	280.0	0.0
535	2950.0	330.0	0.0	536	2950.0	380.0	0.0	537	2950.0	430.0	0.0
538	2950.0	480.0	0.0	539	1700.0	0.0	0.0	540	1700.0	30.0	0.0
541	1700.0	80.0	0.0	542	1700.0	130.0	0.0	543	1700.0	180.0	0.0
544	1700.0	230.0	0.0	545	1700.0	280.0	0.0	546	1700.0	330.0	0.0
547	1700.0	380.0	0.0	548	1700.0	430.0	0.0	549	1700.0	480.0	0.0
550	1700.0	530.0	0.0	551	1700.0	580.0	0.0	552	1700.0	630.0	0.0
553	1750.0	0.0	0.0	554	1750.0	30.0	0.0	555	1750.0	80.0	0.0
556	1750.0	130.0	0.0	557	1750.0	180.0	0.0	558	1750.0	230.0	0.0
559	1750.0	280.0	0.0	560	1750.0	330.0	0.0	561	1750.0	380.0	0.0
562	1750.0	430.0	0.0	563	1750.0	480.0	0.0	564	1750.0	530.0	0.0
565	1750.0	580.0	0.0	566	1750.0	630.0	0.0	567	1800.0	0.0	0.0
568	1800.0	30.0	0.0	569	1800.0	80.0	0.0	570	1800.0	130.0	0.0
571	1800.0	180.0	0.0	572	1800.0	230.0	0.0	573	1800.0	280.0	0.0
574	1800.0	330.0	0.0	575	1800.0	380.0	0.0	576	1800.0	430.0	0.0
577	1800.0	480.0	0.0	578	1800.0	530.0	0.0	579	1800.0	580.0	0.0
580	1800.0	630.0	0.0	581	1850.0	0.0	0.0	582	1850.0	30.0	0.0
583	1850.0	80.0	0.0	584	1850.0	130.0	0.0	585	1850.0	180.0	0.0
586	1850.0	230.0	0.0	587	1850.0	280.0	0.0	588	1850.0	330.0	0.0
589	1850.0	380.0	0.0	590	1850.0	430.0	0.0	591	1850.0	480.0	0.0



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592	1850.0	530.0	0.0	593	1850.0	580.0	0.0	594	1850.0	630.0	0.0
595	1900.0	0.0	0.0	596	1900.0	30.0	0.0	597	1900.0	80.0	0.0
598	1900.0	130.0	0.0	599	1900.0	180.0	0.0	600	1900.0	230.0	0.0
601	1900.0	280.0	0.0	602	1900.0	330.0	0.0	603	1900.0	380.0	0.0
604	1900.0	430.0	0.0	605	1900.0	480.0	0.0	606	1900.0	530.0	0.0
607	1900.0	580.0	0.0	608	1900.0	630.0	0.0	609	1950.0	0.0	0.0
610	1950.0	30.0	0.0	611	1950.0	80.0	0.0	612	1950.0	130.0	0.0
613	1950.0	180.0	0.0	614	1950.0	230.0	0.0	615	1950.0	280.0	0.0
616	1950.0	330.0	0.0	617	1950.0	380.0	0.0	618	1950.0	430.0	0.0
619	1950.0	480.0	0.0	620	1950.0	530.0	0.0	621	1950.0	580.0	0.0
622	1950.0	630.0	0.0	623	2000.0	0.0	0.0	624	2000.0	30.0	0.0
625	2000.0	80.0	0.0	626	2000.0	130.0	0.0	627	2000.0	180.0	0.0
628	2000.0	230.0	0.0	629	2000.0	280.0	0.0	630	2000.0	330.0	0.0
631	2000.0	380.0	0.0	632	2000.0	430.0	0.0	633	2000.0	480.0	0.0
634	2000.0	530.0	0.0	635	2000.0	580.0	0.0	636	2000.0	630.0	0.0
637	2050.0	0.0	0.0	638	2050.0	30.0	0.0	639	2050.0	80.0	0.0
640	2050.0	130.0	0.0	641	2050.0	180.0	0.0	642	2050.0	230.0	0.0
643	2050.0	280.0	0.0	644	2050.0	330.0	0.0	645	2050.0	380.0	0.0
646	2050.0	430.0	0.0	647	2050.0	480.0	0.0	648	2050.0	530.0	0.0
649	2050.0	580.0	0.0	650	2050.0	630.0	0.0	651	2100.0	0.0	0.0
652	2100.0	30.0	0.0	653	2100.0	80.0	0.0	654	2100.0	130.0	0.0
655	2100.0	180.0	0.0	656	2100.0	230.0	0.0	657	2100.0	280.0	0.0
658	2100.0	330.0	0.0	659	2100.0	380.0	0.0	660	2100.0	430.0	0.0
661	2100.0	480.0	0.0	662	2100.0	530.0	0.0	663	2100.0	580.0	0.0
664	2100.0	630.0	0.0	665	2150.0	0.0	0.0	666	2150.0	30.0	0.0
667	2150.0	80.0	0.0	668	2150.0	130.0	0.0	669	2150.0	180.0	0.0
670	2150.0	230.0	0.0	671	2150.0	280.0	0.0	672	2150.0	330.0	0.0
673	2150.0	380.0	0.0	674	2150.0	430.0	0.0	675	2150.0	480.0	0.0
676	2150.0	530.0	0.0	677	2150.0	580.0	0.0	678	2150.0	630.0	0.0
679	2200.0	0.0	0.0	680	2200.0	30.0	0.0	681	2200.0	80.0	0.0
682	2200.0	130.0	0.0	683	2200.0	180.0	0.0	684	2200.0	230.0	0.0
685	2200.0	280.0	0.0	686	2200.0	330.0	0.0	687	2200.0	380.0	0.0
688	2200.0	430.0	0.0	689	2200.0	480.0	0.0	690	2200.0	530.0	0.0
691	2200.0	580.0	0.0	692	2200.0	630.0	0.0	693	2950.0	580.0	0.0
694	2260.0	30.0	0.0	695	2260.0	80.0	0.0	696	2260.0	130.0	0.0
697	2260.0	180.0	0.0	698	2260.0	230.0	0.0	699	2260.0	280.0	0.0
700	2260.0	330.0	0.0	701	2260.0	380.0	0.0	702	2260.0	430.0	0.0
703	2260.0	480.0	0.0	704	2260.0	530.0	0.0	705	2260.0	580.0	0.0
706	2950.0	630.0	0.0	707	3000.0	30.0	0.0	708	3000.0	80.0	0.0
709	3000.0	130.0	0.0	710	3000.0	180.0	0.0	711	3000.0	230.0	0.0
712	3000.0	280.0	0.0	713	3000.0	330.0	0.0	714	3000.0	380.0	0.0
715	3000.0	430.0	0.0	716	3000.0	480.0	0.0	717	3000.0	530.0	0.0
718	3000.0	580.0	0.0	719	2300.0	0.0	0.0	720	2300.0	30.0	0.0
721	2300.0	80.0	0.0	722	2300.0	130.0	0.0	723	2300.0	180.0	0.0
724	2300.0	230.0	0.0	725	2300.0	280.0	0.0	726	2300.0	330.0	0.0
727	2300.0	380.0	0.0	728	2300.0	430.0	0.0	729	2300.0	480.0	0.0
730	2300.0	530.0	0.0	731	2300.0	580.0	0.0	732	2300.0	630.0	0.0
733	2350.0	0.0	0.0	734	2350.0	30.0	0.0	735	2350.0	80.0	0.0
736	2350.0	130.0	0.0	737	2350.0	180.0	0.0	738	2350.0	230.0	0.0
739	2350.0	280.0	0.0	740	2350.0	330.0	0.0	741	2350.0	380.0	0.0
742	2350.0	430.0	0.0	743	2350.0	480.0	0.0	744	2350.0	530.0	0.0
745	2350.0	580.0	0.0	746	2350.0	630.0	0.0	747	2400.0	0.0	0.0
748	2400.0	30.0	0.0	749	2400.0	80.0	0.0	750	2400.0	130.0	0.0
751	2400.0	180.0	0.0	752	2400.0	230.0	0.0	753	2400.0	280.0	0.0
754	2400.0	330.0	0.0	755	2400.0	380.0	0.0	756	2400.0	430.0	0.0
757	2400.0	480.0	0.0	758	2400.0	530.0	0.0	759	2400.0	580.0	0.0
760	2400.0	630.0	0.0	761	2450.0	0.0	0.0	762	2450.0	30.0	0.0
763	2450.0	80.0	0.0	764	2450.0	130.0	0.0	765	2450.0	180.0	0.0
766	2450.0	230.0	0.0	767	2450.0	280.0	0.0	768	2450.0	330.0	0.0
769	2450.0	380.0	0.0	770	2450.0	430.0	0.0	771	2450.0	480.0	0.0
772	2450.0	530.0	0.0	773	2450.0	580.0	0.0	774	2450.0	630.0	0.0
775	2500.0	0.0	0.0	776	2500.0	30.0	0.0	777	2500.0	80.0	0.0
778	2500.0	130.0	0.0	779	2500.0	180.0	0.0	780	2500.0	230.0	0.0
781	2500.0	280.0	0.0	782	2500.0	330.0	0.0	783	2500.0	380.0	0.0
784	2500.0	430.0	0.0	785	2500.0	480.0	0.0	786	2500.0	530.0	0.0
787	2500.0	580.0	0.0	788	2500.0	630.0	0.0	789	2550.0	0.0	0.0
790	2550.0	30.0	0.0	791	2550.0	80.0	0.0	792	2550.0	130.0	0.0
793	2550.0	180.0	0.0	794	2550.0	230.0	0.0	795	2550.0	280.0	0.0
796	2550.0	330.0	0.0	797	2550.0	380.0	0.0	798	2550.0	430.0	0.0
799	2550.0	480.0	0.0	800	2550.0	530.0	0.0	801	2550.0	580.0	0.0
802	2550.0	630.0	0.0	803	2600.0	0.0	0.0	804	2600.0	30.0	0.0
805	2600.0	80.0	0.0	806	2600.0	130.0	0.0	807	2600.0	180.0	0.0
808	2600.0	230.0	0.0	809	2600.0	280.0	0.0	810	2600.0	330.0	0.0
811	2600.0	380.0	0.0	812	2600.0	430.0	0.0	813	2600.0	480.0	0.0
814	2600.0	530.0	0.0	815	2600.0	580.0	0.0	816	2600.0	630.0	0.0
817	2650.0	0.0	0.0	818	2650.0	30.0	0.0	819	2650.0	80.0	0.0



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820	2650.0	130.0	0.0	821	2650.0	180.0	0.0	822	2650.0	230.0	0.0
823	2650.0	280.0	0.0	824	2650.0	330.0	0.0	825	2650.0	380.0	0.0
826	2650.0	430.0	0.0	827	2650.0	480.0	0.0	828	2650.0	530.0	0.0
829	2650.0	580.0	0.0	830	2650.0	630.0	0.0	831	2680.0	30.0	0.0
832	2680.0	80.0	0.0	833	2680.0	130.0	0.0	834	2680.0	180.0	0.0
835	2680.0	230.0	0.0	836	2680.0	280.0	0.0	837	2680.0	330.0	0.0
838	2680.0	380.0	0.0	839	2680.0	430.0	0.0	840	2680.0	480.0	0.0
841	2680.0	530.0	0.0	842	2680.0	580.0	0.0	843	2700.0	0.0	0.0
844	2700.0	30.0	0.0	845	2700.0	80.0	0.0	846	2700.0	130.0	0.0
847	2700.0	180.0	0.0	848	2700.0	230.0	0.0	849	2700.0	280.0	0.0
850	2700.0	330.0	0.0	851	2700.0	380.0	0.0	852	2700.0	430.0	0.0
853	2700.0	480.0	0.0	854	2700.0	530.0	0.0	855	2700.0	580.0	0.0
856	2700.0	630.0	0.0	857	2750.0	0.0	0.0	858	2750.0	30.0	0.0
859	2750.0	80.0	0.0	860	2750.0	130.0	0.0	861	2750.0	180.0	0.0
862	2750.0	230.0	0.0	863	2750.0	280.0	0.0	864	2750.0	330.0	0.0
865	2750.0	380.0	0.0	866	2750.0	430.0	0.0	867	2750.0	480.0	0.0
868	2750.0	530.0	0.0	869	2750.0	580.0	0.0	870	2750.0	630.0	0.0
871	2800.0	0.0	0.0	872	2800.0	30.0	0.0	873	2800.0	80.0	0.0
874	2800.0	130.0	0.0	875	2800.0	180.0	0.0	876	2800.0	230.0	0.0
877	2800.0	280.0	0.0	878	2800.0	330.0	0.0	879	2800.0	380.0	0.0
880	2800.0	430.0	0.0	881	2800.0	480.0	0.0	882	2800.0	530.0	0.0
883	2800.0	580.0	0.0	884	2800.0	630.0	0.0	885	2850.0	0.0	0.0
886	2850.0	30.0	0.0	887	2850.0	80.0	0.0	888	2850.0	130.0	0.0
889	2850.0	180.0	0.0	890	2850.0	230.0	0.0	891	2850.0	280.0	0.0
892	2850.0	330.0	0.0	893	2850.0	380.0	0.0	894	2850.0	430.0	0.0
895	2850.0	480.0	0.0	896	2850.0	530.0	0.0	897	2850.0	580.0	0.0
898	2850.0	630.0	0.0	899	2900.0	0.0	0.0	900	2900.0	30.0	0.0
901	2900.0	80.0	0.0	902	2900.0	130.0	0.0	903	2900.0	180.0	0.0
904	2900.0	230.0	0.0	905	2900.0	280.0	0.0	906	2900.0	330.0	0.0
907	2900.0	380.0	0.0	908	2900.0	430.0	0.0	909	500.0	580.0	0.0
910	500.0	630.0	0.0	911	0.0	680.0	0.0	912	1170.0	680.0	0.0
913	1660.0	680.0	0.0	914	2260.0	680.0	0.0	915	2680.0	680.0	0.0
916	3000.0	680.0	0.0	917	50.0	680.0	0.0	918	100.0	680.0	0.0
919	150.0	680.0	0.0	920	200.0	680.0	0.0	921	250.0	680.0	0.0
922	300.0	680.0	0.0	923	350.0	680.0	0.0	924	400.0	680.0	0.0
925	450.0	680.0	0.0	926	550.0	680.0	0.0	927	3050.0	-50.0	0.0
928	600.0	680.0	0.0	929	650.0	680.0	0.0	930	700.0	680.0	0.0
931	750.0	680.0	0.0	932	800.0	680.0	0.0	933	850.0	680.0	0.0
934	900.0	680.0	0.0	935	950.0	680.0	0.0	936	1000.0	680.0	0.0
937	1050.0	680.0	0.0	938	1100.0	680.0	0.0	939	1150.0	680.0	0.0
940	1200.0	680.0	0.0	941	1250.0	680.0	0.0	942	1300.0	680.0	0.0
943	1350.0	680.0	0.0	944	1400.0	680.0	0.0	945	1450.0	680.0	0.0
946	1500.0	680.0	0.0	947	1550.0	680.0	0.0	948	1600.0	680.0	0.0
949	2900.0	680.0	0.0	950	1700.0	680.0	0.0	951	1750.0	680.0	0.0
952	1800.0	680.0	0.0	953	1850.0	680.0	0.0	954	1900.0	680.0	0.0
955	1950.0	680.0	0.0	956	2000.0	680.0	0.0	957	2050.0	680.0	0.0
958	2100.0	680.0	0.0	959	2150.0	680.0	0.0	960	2200.0	680.0	0.0
961	2950.0	680.0	0.0	962	2300.0	680.0	0.0	963	2350.0	680.0	0.0
964	2400.0	680.0	0.0	965	2450.0	680.0	0.0	966	2500.0	680.0	0.0
967	2550.0	680.0	0.0	968	2600.0	680.0	0.0	969	2650.0	680.0	0.0
970	2700.0	680.0	0.0	971	2750.0	680.0	0.0	972	2800.0	680.0	0.0
973	2850.0	680.0	0.0	974	500.0	680.0	0.0	975	0.0	-50.0	0.0
976	2680.0	-50.0	0.0	977	2260.0	-50.0	0.0	978	1170.0	-50.0	0.0
979	570.0	-50.0	0.0	980	1660.0	-50.0	0.0	981	3000.0	-50.0	0.0
982	50.0	-50.0	0.0	983	100.0	-50.0	0.0	984	150.0	-50.0	0.0
985	200.0	-50.0	0.0	986	250.0	-50.0	0.0	987	300.0	-50.0	0.0
988	350.0	-50.0	0.0	989	400.0	-50.0	0.0	990	450.0	-50.0	0.0
991	500.0	-50.0	0.0	992	550.0	-50.0	0.0	993	600.0	-50.0	0.0
994	650.0	-50.0	0.0	995	700.0	-50.0	0.0	996	750.0	-50.0	0.0
997	800.0	-50.0	0.0	998	850.0	-50.0	0.0	999	900.0	-50.0	0.0
1000	950.0	-50.0	0.0	1001	1000.0	-50.0	0.0	1002	1050.0	-50.0	0.0
1003	1100.0	-50.0	0.0	1004	1150.0	-50.0	0.0	1005	1200.0	-50.0	0.0
1006	1250.0	-50.0	0.0	1007	1300.0	-50.0	0.0	1008	1350.0	-50.0	0.0
1009	1400.0	-50.0	0.0	1010	1450.0	-50.0	0.0	1011	1500.0	-50.0	0.0
1012	1550.0	-50.0	0.0	1013	1600.0	-50.0	0.0	1014	2950.0	-50.0	0.0
1015	1700.0	-50.0	0.0	1016	1750.0	-50.0	0.0	1017	1800.0	-50.0	0.0
1018	1850.0	-50.0	0.0	1019	1900.0	-50.0	0.0	1020	1950.0	-50.0	0.0
1021	2000.0	-50.0	0.0	1022	2050.0	-50.0	0.0	1023	2100.0	-50.0	0.0
1024	2150.0	-50.0	0.0	1025	2200.0	-50.0	0.0	1026	2300.0	-50.0	0.0
1027	2350.0	-50.0	0.0	1028	2400.0	-50.0	0.0	1029	2450.0	-50.0	0.0
1030	2500.0	-50.0	0.0	1031	2550.0	-50.0	0.0	1032	2600.0	-50.0	0.0
1033	2650.0	-50.0	0.0	1034	2700.0	-50.0	0.0	1035	2750.0	-50.0	0.0
1036	2800.0	-50.0	0.0	1037	2850.0	-50.0	0.0	1038	2900.0	-50.0	0.0
1039	-50.0	0.0	0.0	1040	-50.0	630.0	0.0	1041	-50.0	30.0	0.0
1042	-50.0	80.0	0.0	1043	-50.0	130.0	0.0	1044	-50.0	180.0	0.0
1045	-50.0	230.0	0.0	1046	-50.0	280.0	0.0	1047	-50.0	330.0	0.0



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1048	-50.0	380.0	0.0	1049	-50.0	430.0	0.0	1050	-50.0	480.0	0.0
1051	-50.0	530.0	0.0	1052	-50.0	580.0	0.0	1053	-50.0	680.0	0.0
1054	-50.0	-50.0	0.0	1055	3050.0	0.0	0.0	1056	3050.0	630.0	0.0
1057	3050.0	30.0	0.0	1058	3050.0	80.0	0.0	1059	3050.0	130.0	0.0
1060	3050.0	180.0	0.0	1061	3050.0	230.0	0.0	1062	3050.0	280.0	0.0
1063	3050.0	330.0	0.0	1064	3050.0	380.0	0.0	1065	3050.0	430.0	0.0
1066	3050.0	480.0	0.0	1067	3050.0	530.0	0.0	1068	3050.0	580.0	0.0
1069	3050.0	680.0	0.0	1070	570.0	680.0	0.0	1071	3000.0	315.0	300.0
1072	0.0	315.0	300.0	1073	285.0	630.0	300.0	1074	285.0	0.0	300.0
1075	870.0	630.0	300.0	1076	870.0	0.0	300.0	1077	1960.0	0.0	300.0
1078	1960.0	630.0	300.0	1079	3100.0	-50.0	0.0	1080	3100.0	0.0	0.0
1081	3100.0	630.0	0.0	1082	3100.0	30.0	0.0	1083	3100.0	80.0	0.0
1084	3100.0	130.0	0.0	1085	3100.0	180.0	0.0	1086	3100.0	230.0	0.0
1087	3100.0	280.0	0.0	1088	3100.0	330.0	0.0	1089	3100.0	380.0	0.0
1090	3100.0	430.0	0.0	1091	3100.0	480.0	0.0	1092	3100.0	530.0	0.0
1093	3100.0	580.0	0.0	1094	3100.0	680.0	0.0	1095	3150.0	-50.0	0.0
1096	3150.0	0.0	0.0	1097	3150.0	630.0	0.0	1098	3150.0	30.0	0.0
1099	3150.0	80.0	0.0	1100	3150.0	130.0	0.0	1101	3150.0	180.0	0.0
1102	3150.0	230.0	0.0	1103	3150.0	280.0	0.0	1104	3150.0	330.0	0.0
1105	3150.0	380.0	0.0	1106	3150.0	430.0	0.0	1107	3150.0	480.0	0.0
1108	3150.0	530.0	0.0	1109	3150.0	580.0	0.0	1110	3150.0	680.0	0.0
1111	3200.0	-50.0	0.0	1112	3200.0	0.0	0.0	1113	3200.0	630.0	0.0
1114	3200.0	30.0	0.0	1115	3200.0	80.0	0.0	1116	3200.0	130.0	0.0
1117	3200.0	180.0	0.0	1118	3200.0	230.0	0.0	1119	3200.0	280.0	0.0
1120	3200.0	330.0	0.0	1121	3200.0	380.0	0.0	1122	3200.0	430.0	0.0
1123	3200.0	480.0	0.0	1124	3200.0	530.0	0.0	1125	3200.0	580.0	0.0
1126	3200.0	680.0	0.0	1127	3250.0	-50.0	0.0	1128	3250.0	0.0	0.0
1129	3250.0	630.0	0.0	1130	3250.0	30.0	0.0	1131	3250.0	80.0	0.0
1132	3250.0	130.0	0.0	1133	3250.0	180.0	0.0	1134	3250.0	230.0	0.0
1135	3250.0	280.0	0.0	1136	3250.0	330.0	0.0	1137	3250.0	380.0	0.0
1138	3250.0	430.0	0.0	1139	3250.0	480.0	0.0	1140	3250.0	530.0	0.0
1141	3250.0	580.0	0.0	1142	3250.0	680.0	0.0	1143	3300.0	-50.0	0.0
1144	3300.0	0.0	0.0	1145	3300.0	630.0	0.0	1146	3300.0	30.0	0.0
1147	3300.0	80.0	0.0	1148	3300.0	130.0	0.0	1149	3300.0	180.0	0.0
1150	3300.0	230.0	0.0	1151	3300.0	280.0	0.0	1152	3300.0	330.0	0.0
1153	3300.0	380.0	0.0	1154	3300.0	430.0	0.0	1155	3300.0	480.0	0.0
1156	3300.0	530.0	0.0	1157	3300.0	580.0	0.0	1158	3300.0	680.0	0.0
1159	3350.0	-50.0	0.0	1160	3350.0	0.0	0.0	1161	3350.0	630.0	0.0
1162	3350.0	30.0	0.0	1163	3350.0	80.0	0.0	1164	3350.0	130.0	0.0
1165	3350.0	180.0	0.0	1166	3350.0	230.0	0.0	1167	3350.0	280.0	0.0
1168	3350.0	330.0	0.0	1169	3350.0	380.0	0.0	1170	3350.0	430.0	0.0
1171	3350.0	480.0	0.0	1172	3350.0	530.0	0.0	1173	3350.0	580.0	0.0
1174	3350.0	680.0	0.0	1175	3400.0	-50.0	0.0	1176	3400.0	0.0	0.0
1177	3400.0	630.0	0.0	1178	3400.0	30.0	0.0	1179	3400.0	80.0	0.0
1180	3400.0	130.0	0.0	1181	3400.0	180.0	0.0	1182	3400.0	230.0	0.0
1183	3400.0	280.0	0.0	1184	3400.0	330.0	0.0	1185	3400.0	380.0	0.0
1186	3400.0	430.0	0.0	1187	3400.0	480.0	0.0	1188	3400.0	530.0	0.0
1189	3400.0	580.0	0.0	1190	3400.0	680.0	0.0	1191	3450.0	-50.0	0.0
1192	3450.0	0.0	0.0	1193	3450.0	630.0	0.0	1194	3450.0	30.0	0.0
1195	3450.0	80.0	0.0	1196	3450.0	130.0	0.0	1197	3450.0	180.0	0.0
1198	3450.0	230.0	0.0	1199	3450.0	280.0	0.0	1200	3450.0	330.0	0.0
1201	3450.0	380.0	0.0	1202	3450.0	430.0	0.0	1203	3450.0	480.0	0.0
1204	3450.0	530.0	0.0	1205	3450.0	580.0	0.0	1206	3450.0	680.0	0.0
1207	3500.0	-50.0	0.0	1208	3500.0	0.0	0.0	1209	3500.0	630.0	0.0
1210	3500.0	30.0	0.0	1211	3500.0	80.0	0.0	1212	3500.0	130.0	0.0
1213	3500.0	180.0	0.0	1214	3500.0	230.0	0.0	1215	3500.0	280.0	0.0
1216	3500.0	330.0	0.0	1217	3500.0	380.0	0.0	1218	3500.0	430.0	0.0
1219	3500.0	480.0	0.0	1220	3500.0	530.0	0.0	1221	3500.0	580.0	0.0
1222	3500.0	680.0	0.0	1223	3550.0	-50.0	0.0	1224	3550.0	0.0	0.0
1225	3550.0	630.0	0.0	1226	3550.0	30.0	0.0	1227	3550.0	80.0	0.0
1228	3550.0	130.0	0.0	1229	3550.0	180.0	0.0	1230	3550.0	230.0	0.0
1231	3550.0	280.0	0.0	1232	3550.0	330.0	0.0	1233	3550.0	380.0	0.0
1234	3550.0	430.0	0.0	1235	3550.0	480.0	0.0	1236	3550.0	530.0	0.0
1237	3550.0	580.0	0.0	1238	3550.0	680.0	0.0	1239	3500.0	0.0	300.0
1240	3500.0	630.0	300.0	1241	3500.0	315.0	300.0				



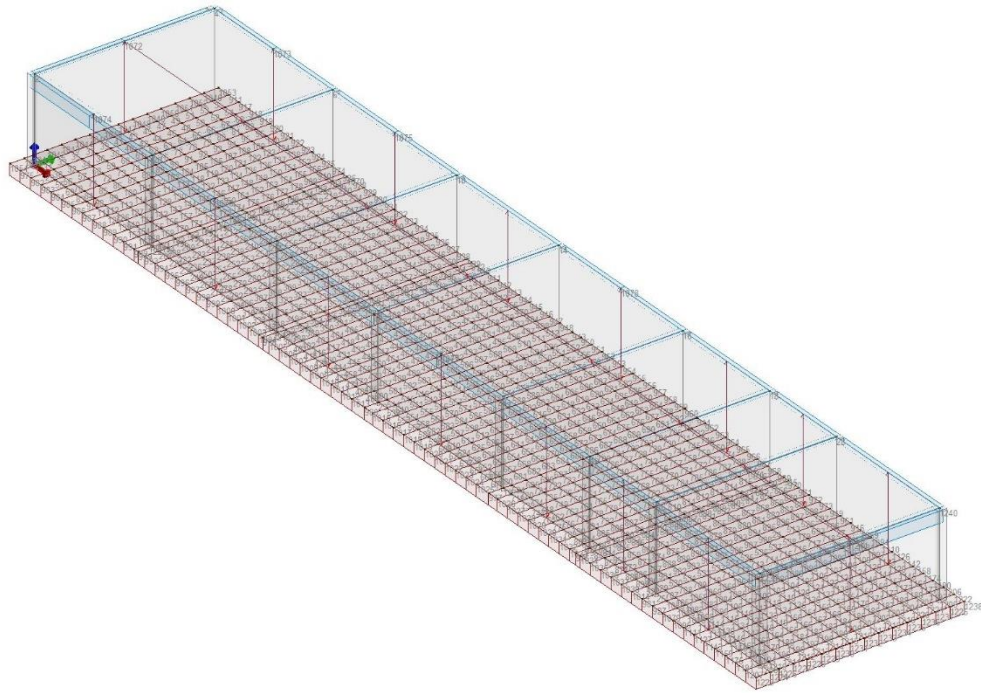
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MODELLO



01_Edificio SSE_MACOMER 2

14_MOD_NUMERAZIONE_NODI

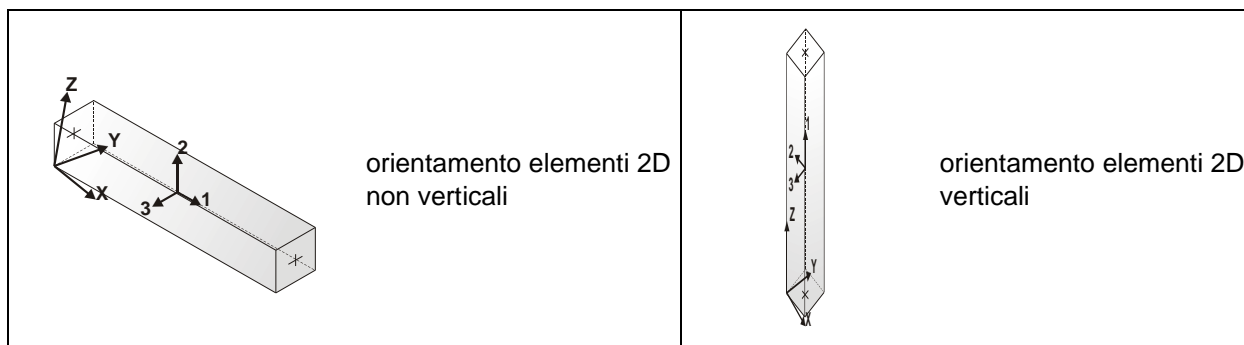
6. MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

6.1. TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

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



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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
2	TRAVI A UNA CAMPATA
3	TRAVE A PIU' CAMPATE
4	TRAVE A UNA CAMPATA SU TERRENO ALLA WINKLER
5	TRAVI SU TERRENO ALLA WINKLER CON CARICO TRASVERSALE
6	TELAI PIANI CON CERNIERE ALLA BASE
7	TELAI PIANI CON INCASTRI ALLA BASE
11	STRUTTURE SOGGETTE A VARIAZIONI TERMICHE
12	STRUTTURE SU TERRENO ALLA WINKLER SOTTOPOSTE A CARICHI DISTRIBUITI TRIANGOLARI
21	DRILLING
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
42	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
43	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
44	VERIFICA ALLE TA DI STRUTTURE IN C.A.
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
47	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
52	FATTORE DI STRUTTURA
53	SOVRARESISTENZE
54	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO



56	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
57	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
58	LUCE LIBERA DI COLONNE IN ACCIAIO
59	SVERGOLAMENTO DI TRAVI IN ACCIAIO
64	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	VALUTAZIONE EFFETTO P- δ SU PILASTRATA
74	VALUTAZIONE EFFETTO P- δ SU TELAIO 3D
85	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
87	ANALISI ELASTO PLASTICA INCREMENTALE
88	ANALISI ELASTO PLASTICA INCREMENTALE
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
102	SNELLEZZE EC5
130	PROGETTO E VERIFICA DI TRAVI PREM

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Pilas.	1	2	5	1					
2	Pilas.	3	4	5	1					
3	Trave	2	1072	5	2					
4	Trave	7	16	5	2					
5	Pilas.	9	19	5	1					
6	Pilas.	11	10	5	1					
7	Pilas.	13	14	5	1					
8	Pilas.	15	16	5	1					
9	Pilas.	17	18	5	1					
10	Trave	19	18	5	2					
11	Trave	20	6	5	2					
12	Trave	8	14	5	2					
13	Pilas.	22	20	5	1					
14	Trave	5	10	5	2					
15	Pilas.	21	5	5	1					
16	Pilas.	23	8	5	1					
17	Pilas.	12	7	5	1					
18	Pilas.	206	6	5	1					
19	Trave	4	1073	5	2					
20	Trave	2	1074	5	2					
21	Trave	6	1075	5	2					
22	Trave	5	8	5	2					
23	Trave	20	1076	5	2					
24	Trave	10	14	5	2					
25	Trave	7	19	5	2					
26	Trave	8	1077	5	2					
27	Trave	14	1078	5	2					
28	Trave	16	18	5	2					
29	Pilas.	25	26	5	1					
30	Pilas.	27	28	5	1					
31	Trave	18	28	5	2					
32	Trave	19	26	5	2					



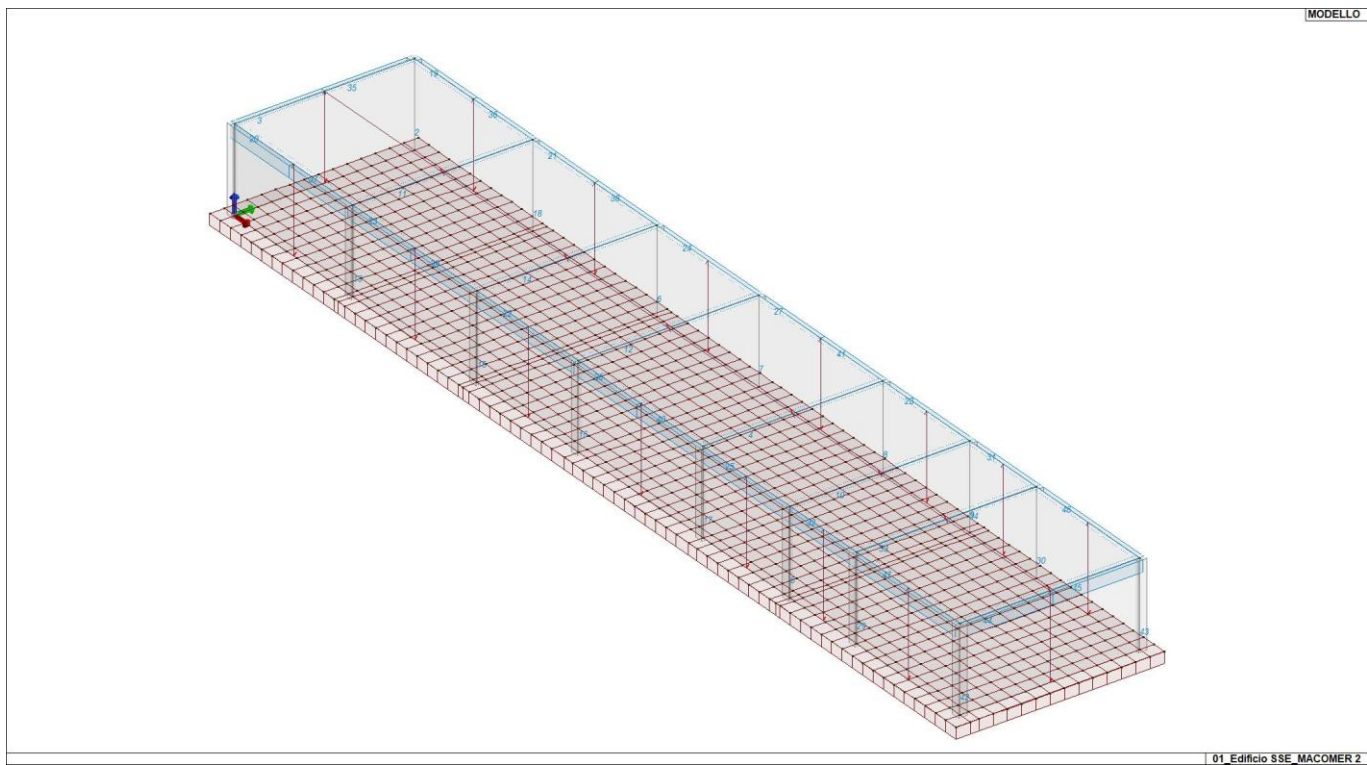
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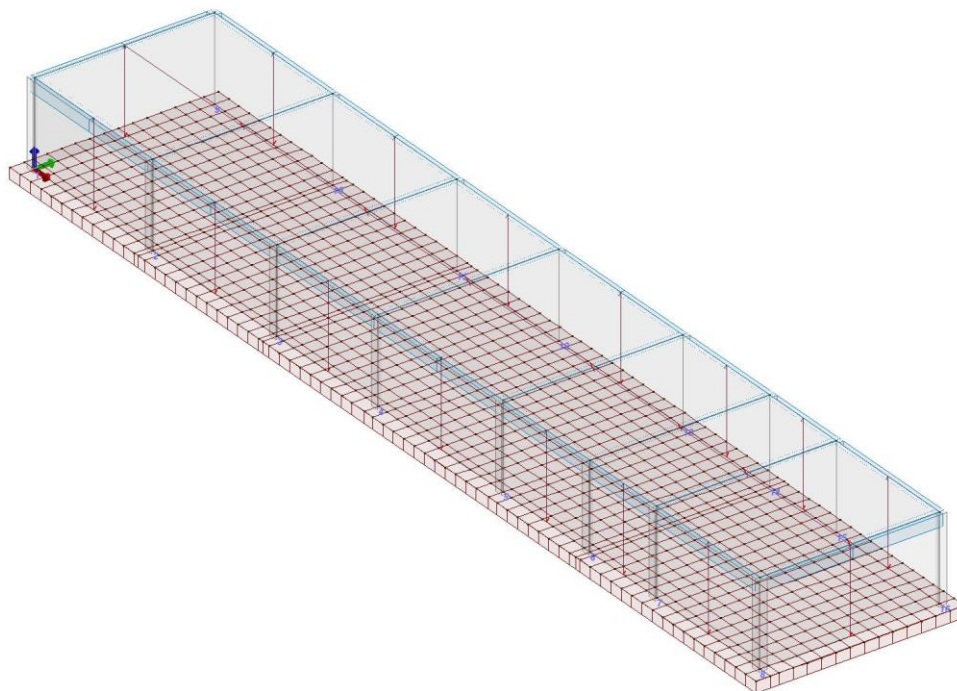
33	Trave	26	1071	5	2
34	Trave	1071	28	5	2
35	Trave	1072	4	5	2
36	Trave	1073	6	5	2
37	Trave	1074	20	5	2
38	Trave	1075	10	5	2
39	Trave	1076	5	5	2
40	Trave	1077	7	5	2
41	Trave	1078	16	5	2
42	Pilas.	1208	1239	5	1
43	Pilas.	1209	1240	5	1
44	Trave	1239	1241	5	2
45	Trave	1241	1240	5	2
46	Trave	28	1240	5	2
47	Trave	26	1239	5	2



01_Edificio SSE_MACOMER 2

15_MOD_NUMERAZIONE_D2

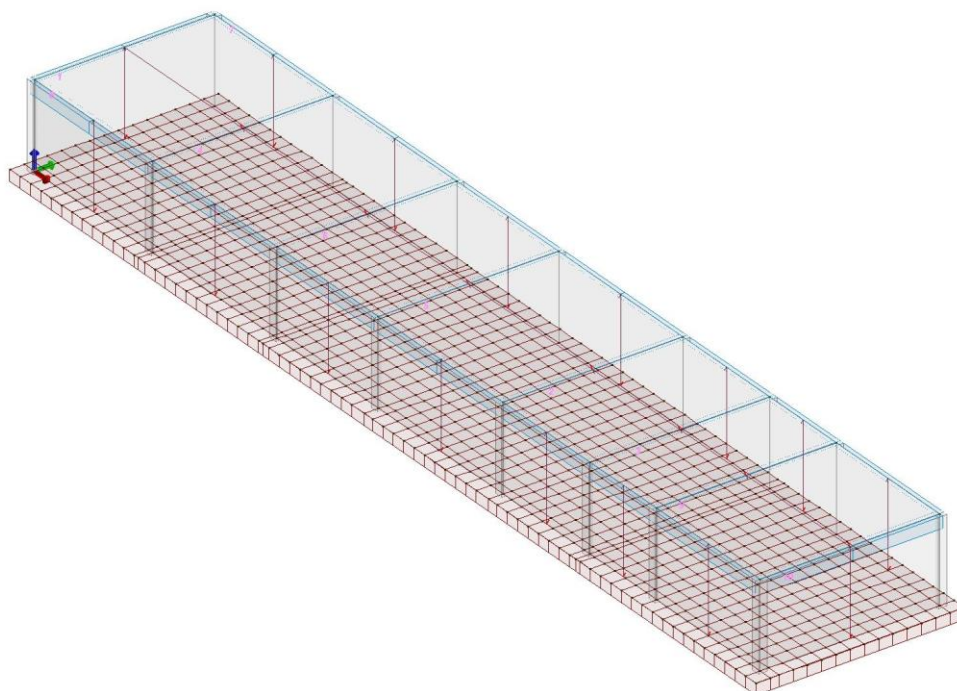
MODELLO



01_Edificio SSE_MACOMER 2

15_MOD_NUMERAZIONE_D2_PILASTRATE

MODELLO



01_Edificio SSE_MACOMER 2

15_MOD_NUMERAZIONE_D2_TRAVATE

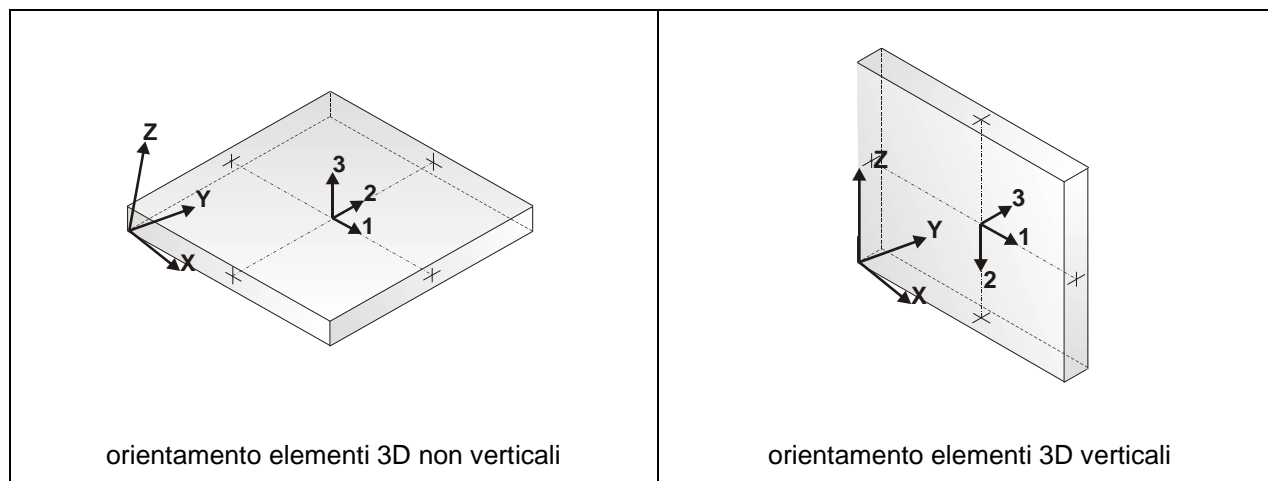
7. MODELLAZIONE STRUTTURA: ELEMENTI SHELL

7.1. LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (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



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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	Guscio fond.	1	29	30	31	5	40.0		3.04	1.09
2	Guscio fond.	31	30	32	33	5	40.0		3.04	1.09
3	Guscio fond.	33	32	34	35	5	40.0		3.04	1.09
4	Guscio fond.	35	34	36	37	5	40.0		3.04	1.09
5	Guscio fond.	37	36	38	39	5	40.0		3.04	1.09
6	Guscio fond.	39	38	40	41	5	40.0		3.04	1.09
7	Guscio fond.	41	40	42	43	5	40.0		3.04	1.09
8	Guscio fond.	43	42	44	45	5	40.0		3.04	1.09
9	Guscio fond.	45	44	46	47	5	40.0		3.04	1.09
10	Guscio fond.	47	46	48	49	5	40.0		3.04	1.09
11	Guscio fond.	49	48	50	51	5	40.0		3.04	1.09
12	Guscio fond.	51	50	52	53	5	40.0		3.04	1.09
13	Guscio fond.	53	52	54	3	5	40.0		3.04	1.09



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14	Guscio fond.	29	55	56	30	5	40.0	3.04	1.09
15	Guscio fond.	30	56	57	32	5	40.0	3.04	1.09
16	Guscio fond.	32	57	58	34	5	40.0	3.04	1.09
17	Guscio fond.	34	58	59	36	5	40.0	3.04	1.09
18	Guscio fond.	36	59	60	38	5	40.0	3.04	1.09
19	Guscio fond.	38	60	61	40	5	40.0	3.04	1.09
20	Guscio fond.	40	61	62	42	5	40.0	3.04	1.09
21	Guscio fond.	42	62	63	44	5	40.0	3.04	1.09
22	Guscio fond.	44	63	64	46	5	40.0	3.04	1.09
23	Guscio fond.	46	64	65	48	5	40.0	3.04	1.09
24	Guscio fond.	48	65	66	50	5	40.0	3.04	1.09
25	Guscio fond.	50	66	67	52	5	40.0	3.04	1.09
26	Guscio fond.	52	67	68	54	5	40.0	3.04	1.09
27	Guscio fond.	55	69	70	56	5	40.0	3.04	1.09
28	Guscio fond.	56	70	71	57	5	40.0	3.04	1.09
29	Guscio fond.	57	71	72	58	5	40.0	3.04	1.09
30	Guscio fond.	58	72	73	59	5	40.0	3.04	1.09
31	Guscio fond.	59	73	74	60	5	40.0	3.04	1.09
32	Guscio fond.	60	74	75	61	5	40.0	3.04	1.09
33	Guscio fond.	61	75	76	62	5	40.0	3.04	1.09
34	Guscio fond.	62	76	77	63	5	40.0	3.04	1.09
35	Guscio fond.	63	77	78	64	5	40.0	3.04	1.09
36	Guscio fond.	64	78	79	65	5	40.0	3.04	1.09
37	Guscio fond.	65	79	80	66	5	40.0	3.04	1.09
38	Guscio fond.	66	80	81	67	5	40.0	3.04	1.09
39	Guscio fond.	67	81	82	68	5	40.0	3.04	1.09
40	Guscio fond.	69	83	84	70	5	40.0	3.04	1.09
41	Guscio fond.	70	84	85	71	5	40.0	3.04	1.09
42	Guscio fond.	71	85	86	72	5	40.0	3.04	1.09
43	Guscio fond.	72	86	87	73	5	40.0	3.04	1.09
44	Guscio fond.	73	87	88	74	5	40.0	3.04	1.09
45	Guscio fond.	74	88	89	75	5	40.0	3.04	1.09
46	Guscio fond.	75	89	90	76	5	40.0	3.04	1.09
47	Guscio fond.	76	90	91	77	5	40.0	3.04	1.09
48	Guscio fond.	77	91	92	78	5	40.0	3.04	1.09
49	Guscio fond.	78	92	93	79	5	40.0	3.04	1.09
50	Guscio fond.	79	93	94	80	5	40.0	3.04	1.09
51	Guscio fond.	80	94	95	81	5	40.0	3.04	1.09
52	Guscio fond.	81	95	96	82	5	40.0	3.04	1.09
53	Guscio fond.	83	97	98	84	5	40.0	3.04	1.09
54	Guscio fond.	84	98	99	85	5	40.0	3.04	1.09
55	Guscio fond.	85	99	100	86	5	40.0	3.04	1.09
56	Guscio fond.	86	100	101	87	5	40.0	3.04	1.09
57	Guscio fond.	87	101	102	88	5	40.0	3.04	1.09
58	Guscio fond.	88	102	103	89	5	40.0	3.04	1.09
59	Guscio fond.	89	103	104	90	5	40.0	3.04	1.09
60	Guscio fond.	90	104	105	91	5	40.0	3.04	1.09
61	Guscio fond.	91	105	106	92	5	40.0	3.04	1.09
62	Guscio fond.	92	106	107	93	5	40.0	3.04	1.09
63	Guscio fond.	93	107	108	94	5	40.0	3.04	1.09
64	Guscio fond.	94	108	109	95	5	40.0	3.04	1.09
65	Guscio fond.	95	109	110	96	5	40.0	3.04	1.09
66	Guscio fond.	97	111	112	98	5	40.0	3.04	1.09
67	Guscio fond.	98	112	113	99	5	40.0	3.04	1.09
68	Guscio fond.	99	113	114	100	5	40.0	3.04	1.09
69	Guscio fond.	100	114	115	101	5	40.0	3.04	1.09
70	Guscio fond.	101	115	116	102	5	40.0	3.04	1.09
71	Guscio fond.	102	116	117	103	5	40.0	3.04	1.09
72	Guscio fond.	103	117	118	104	5	40.0	3.04	1.09
73	Guscio fond.	104	118	119	105	5	40.0	3.04	1.09
74	Guscio fond.	105	119	120	106	5	40.0	3.04	1.09
75	Guscio fond.	106	120	121	107	5	40.0	3.04	1.09
76	Guscio fond.	107	121	122	108	5	40.0	3.04	1.09
77	Guscio fond.	108	122	123	109	5	40.0	3.04	1.09
78	Guscio fond.	109	123	124	110	5	40.0	3.04	1.09
79	Guscio fond.	111	125	126	112	5	40.0	3.04	1.09
80	Guscio fond.	112	126	127	113	5	40.0	3.04	1.09
81	Guscio fond.	113	127	128	114	5	40.0	3.04	1.09
82	Guscio fond.	114	128	129	115	5	40.0	3.04	1.09
83	Guscio fond.	115	129	130	116	5	40.0	3.04	1.09
84	Guscio fond.	116	130	131	117	5	40.0	3.04	1.09
85	Guscio fond.	117	131	132	118	5	40.0	3.04	1.09
86	Guscio fond.	118	132	133	119	5	40.0	3.04	1.09
87	Guscio fond.	119	133	134	120	5	40.0	3.04	1.09
88	Guscio fond.	120	134	135	121	5	40.0	3.04	1.09
89	Guscio fond.	121	135	136	122	5	40.0	3.04	1.09



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90	Guscio fond.	122	136	137	123	5	40.0	3.04	1.09
91	Guscio fond.	123	137	138	124	5	40.0	3.04	1.09
92	Guscio fond.	125	139	140	126	5	40.0	3.04	1.09
93	Guscio fond.	126	140	141	127	5	40.0	3.04	1.09
94	Guscio fond.	127	141	142	128	5	40.0	3.04	1.09
95	Guscio fond.	128	142	143	129	5	40.0	3.04	1.09
96	Guscio fond.	129	143	144	130	5	40.0	3.04	1.09
97	Guscio fond.	130	144	145	131	5	40.0	3.04	1.09
98	Guscio fond.	131	145	146	132	5	40.0	3.04	1.09
99	Guscio fond.	132	146	147	133	5	40.0	3.04	1.09
100	Guscio fond.	133	147	148	134	5	40.0	3.04	1.09
101	Guscio fond.	134	148	149	135	5	40.0	3.04	1.09
102	Guscio fond.	135	149	150	136	5	40.0	3.04	1.09
103	Guscio fond.	136	150	151	137	5	40.0	3.04	1.09
104	Guscio fond.	137	151	152	138	5	40.0	3.04	1.09
105	Guscio fond.	139	153	154	140	5	40.0	3.04	1.09
106	Guscio fond.	140	154	155	141	5	40.0	3.04	1.09
107	Guscio fond.	141	155	156	142	5	40.0	3.04	1.09
108	Guscio fond.	142	156	157	143	5	40.0	3.04	1.09
109	Guscio fond.	143	157	158	144	5	40.0	3.04	1.09
110	Guscio fond.	144	158	159	145	5	40.0	3.04	1.09
111	Guscio fond.	145	159	160	146	5	40.0	3.04	1.09
112	Guscio fond.	146	160	161	147	5	40.0	3.04	1.09
113	Guscio fond.	147	161	162	148	5	40.0	3.04	1.09
114	Guscio fond.	148	162	163	149	5	40.0	3.04	1.09
115	Guscio fond.	149	163	164	150	5	40.0	3.04	1.09
116	Guscio fond.	150	164	165	151	5	40.0	3.04	1.09
117	Guscio fond.	151	165	166	152	5	40.0	3.04	1.09
118	Guscio fond.	153	167	168	154	5	40.0	3.04	1.09
119	Guscio fond.	154	168	169	155	5	40.0	3.04	1.09
120	Guscio fond.	155	169	170	156	5	40.0	3.04	1.09
121	Guscio fond.	156	170	171	157	5	40.0	3.04	1.09
122	Guscio fond.	157	171	172	158	5	40.0	3.04	1.09
123	Guscio fond.	158	172	173	159	5	40.0	3.04	1.09
124	Guscio fond.	159	173	174	160	5	40.0	3.04	1.09
125	Guscio fond.	160	174	175	161	5	40.0	3.04	1.09
126	Guscio fond.	161	175	176	162	5	40.0	3.04	1.09
127	Guscio fond.	162	176	177	163	5	40.0	3.04	1.09
128	Guscio fond.	163	177	178	164	5	40.0	3.04	1.09
129	Guscio fond.	896	513	526	897	5	40.0	3.04	1.09
130	Guscio fond.	897	526	527	898	5	40.0	3.04	1.09
131	Guscio fond.	167	180	181	168	5	40.0	3.04	1.09
132	Guscio fond.	168	181	182	169	5	40.0	3.04	1.09
133	Guscio fond.	169	182	183	170	5	40.0	3.04	1.09
134	Guscio fond.	170	183	184	171	5	40.0	3.04	1.09
135	Guscio fond.	171	184	185	172	5	40.0	3.04	1.09
136	Guscio fond.	172	185	186	173	5	40.0	3.04	1.09
137	Guscio fond.	173	186	187	174	5	40.0	3.04	1.09
138	Guscio fond.	174	187	188	175	5	40.0	3.04	1.09
139	Guscio fond.	175	188	189	176	5	40.0	3.04	1.09
140	Guscio fond.	176	189	190	177	5	40.0	3.04	1.09
141	Guscio fond.	177	190	191	178	5	40.0	3.04	1.09
142	Guscio fond.	895	24	513	896	5	40.0	3.04	1.09
143	Guscio fond.	894	908	24	895	5	40.0	3.04	1.09
144	Guscio fond.	180	22	194	181	5	40.0	3.04	1.09
145	Guscio fond.	181	194	195	182	5	40.0	3.04	1.09
146	Guscio fond.	182	195	196	183	5	40.0	3.04	1.09
147	Guscio fond.	183	196	197	184	5	40.0	3.04	1.09
148	Guscio fond.	184	197	198	185	5	40.0	3.04	1.09
149	Guscio fond.	185	198	199	186	5	40.0	3.04	1.09
150	Guscio fond.	186	199	200	187	5	40.0	3.04	1.09
151	Guscio fond.	187	200	201	188	5	40.0	3.04	1.09
152	Guscio fond.	188	201	202	189	5	40.0	3.04	1.09
153	Guscio fond.	189	202	203	190	5	40.0	3.04	1.09
154	Guscio fond.	190	203	204	191	5	40.0	3.04	1.09
155	Guscio fond.	191	204	205	192	5	40.0	3.04	1.09
156	Guscio fond.	192	205	206	193	5	40.0	3.04	1.09
157	Guscio fond.	22	207	208	194	5	40.0	3.04	1.09
158	Guscio fond.	194	208	209	195	5	40.0	3.04	1.09
159	Guscio fond.	195	209	210	196	5	40.0	3.04	1.09
160	Guscio fond.	196	210	211	197	5	40.0	3.04	1.09
161	Guscio fond.	197	211	212	198	5	40.0	3.04	1.09
162	Guscio fond.	198	212	213	199	5	40.0	3.04	1.09
163	Guscio fond.	199	213	214	200	5	40.0	3.04	1.09
164	Guscio fond.	200	214	215	201	5	40.0	3.04	1.09
165	Guscio fond.	201	215	216	202	5	40.0	3.04	1.09



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166	Guscio fond.	202	216	217	203	5	40.0	3.04	1.09
167	Guscio fond.	203	217	218	204	5	40.0	3.04	1.09
168	Guscio fond.	204	218	219	205	5	40.0	3.04	1.09
169	Guscio fond.	718	1068	1056	27	5	40.0	3.04	1.09
170	Guscio fond.	207	221	222	208	5	40.0	3.04	1.09
171	Guscio fond.	208	222	223	209	5	40.0	3.04	1.09
172	Guscio fond.	209	223	224	210	5	40.0	3.04	1.09
173	Guscio fond.	210	224	225	211	5	40.0	3.04	1.09
174	Guscio fond.	211	225	226	212	5	40.0	3.04	1.09
175	Guscio fond.	212	226	227	213	5	40.0	3.04	1.09
176	Guscio fond.	213	227	228	214	5	40.0	3.04	1.09
177	Guscio fond.	214	228	229	215	5	40.0	3.04	1.09
178	Guscio fond.	215	229	230	216	5	40.0	3.04	1.09
179	Guscio fond.	216	230	231	217	5	40.0	3.04	1.09
180	Guscio fond.	217	231	232	218	5	40.0	3.04	1.09
181	Guscio fond.	218	232	233	219	5	40.0	3.04	1.09
182	Guscio fond.	219	233	234	220	5	40.0	3.04	1.09
183	Guscio fond.	221	235	236	222	5	40.0	3.04	1.09
184	Guscio fond.	222	236	237	223	5	40.0	3.04	1.09
185	Guscio fond.	223	237	238	224	5	40.0	3.04	1.09
186	Guscio fond.	224	238	239	225	5	40.0	3.04	1.09
187	Guscio fond.	225	239	240	226	5	40.0	3.04	1.09
188	Guscio fond.	226	240	241	227	5	40.0	3.04	1.09
189	Guscio fond.	227	241	242	228	5	40.0	3.04	1.09
190	Guscio fond.	228	242	243	229	5	40.0	3.04	1.09
191	Guscio fond.	229	243	244	230	5	40.0	3.04	1.09
192	Guscio fond.	230	244	245	231	5	40.0	3.04	1.09
193	Guscio fond.	231	245	246	232	5	40.0	3.04	1.09
194	Guscio fond.	232	246	247	233	5	40.0	3.04	1.09
195	Guscio fond.	233	247	248	234	5	40.0	3.04	1.09
196	Guscio fond.	235	249	250	236	5	40.0	3.04	1.09
197	Guscio fond.	236	250	251	237	5	40.0	3.04	1.09
198	Guscio fond.	237	251	252	238	5	40.0	3.04	1.09
199	Guscio fond.	238	252	253	239	5	40.0	3.04	1.09
200	Guscio fond.	239	253	254	240	5	40.0	3.04	1.09
201	Guscio fond.	240	254	255	241	5	40.0	3.04	1.09
202	Guscio fond.	241	255	256	242	5	40.0	3.04	1.09
203	Guscio fond.	242	256	257	243	5	40.0	3.04	1.09
204	Guscio fond.	243	257	258	244	5	40.0	3.04	1.09
205	Guscio fond.	244	258	259	245	5	40.0	3.04	1.09
206	Guscio fond.	245	259	260	246	5	40.0	3.04	1.09
207	Guscio fond.	246	260	261	247	5	40.0	3.04	1.09
208	Guscio fond.	247	261	262	248	5	40.0	3.04	1.09
209	Guscio fond.	249	263	264	250	5	40.0	3.04	1.09
210	Guscio fond.	250	264	265	251	5	40.0	3.04	1.09
211	Guscio fond.	251	265	266	252	5	40.0	3.04	1.09
212	Guscio fond.	252	266	267	253	5	40.0	3.04	1.09
213	Guscio fond.	253	267	268	254	5	40.0	3.04	1.09
214	Guscio fond.	254	268	269	255	5	40.0	3.04	1.09
215	Guscio fond.	255	269	270	256	5	40.0	3.04	1.09
216	Guscio fond.	256	270	271	257	5	40.0	3.04	1.09
217	Guscio fond.	257	271	272	258	5	40.0	3.04	1.09
218	Guscio fond.	258	272	273	259	5	40.0	3.04	1.09
219	Guscio fond.	259	273	274	260	5	40.0	3.04	1.09
220	Guscio fond.	260	274	275	261	5	40.0	3.04	1.09
221	Guscio fond.	261	275	276	262	5	40.0	3.04	1.09
222	Guscio fond.	263	277	278	264	5	40.0	3.04	1.09
223	Guscio fond.	264	278	279	265	5	40.0	3.04	1.09
224	Guscio fond.	265	279	280	266	5	40.0	3.04	1.09
225	Guscio fond.	266	280	281	267	5	40.0	3.04	1.09
226	Guscio fond.	267	281	282	268	5	40.0	3.04	1.09
227	Guscio fond.	268	282	283	269	5	40.0	3.04	1.09
228	Guscio fond.	269	283	284	270	5	40.0	3.04	1.09
229	Guscio fond.	270	284	285	271	5	40.0	3.04	1.09
230	Guscio fond.	271	285	286	272	5	40.0	3.04	1.09
231	Guscio fond.	272	286	287	273	5	40.0	3.04	1.09
232	Guscio fond.	273	287	288	274	5	40.0	3.04	1.09
233	Guscio fond.	274	288	289	275	5	40.0	3.04	1.09
234	Guscio fond.	275	289	290	276	5	40.0	3.04	1.09
235	Guscio fond.	277	291	292	278	5	40.0	3.04	1.09
236	Guscio fond.	278	292	293	279	5	40.0	3.04	1.09
237	Guscio fond.	279	293	294	280	5	40.0	3.04	1.09
238	Guscio fond.	280	294	295	281	5	40.0	3.04	1.09
239	Guscio fond.	281	295	296	282	5	40.0	3.04	1.09
240	Guscio fond.	282	296	297	283	5	40.0	3.04	1.09
241	Guscio fond.	283	297	298	284	5	40.0	3.04	1.09



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242	Guscio fond.	284	298	299	285	5	40.0	3.04	1.09
243	Guscio fond.	285	299	300	286	5	40.0	3.04	1.09
244	Guscio fond.	286	300	301	287	5	40.0	3.04	1.09
245	Guscio fond.	287	301	302	288	5	40.0	3.04	1.09
246	Guscio fond.	288	302	303	289	5	40.0	3.04	1.09
247	Guscio fond.	289	303	304	290	5	40.0	3.04	1.09
248	Guscio fond.	291	305	306	292	5	40.0	3.04	1.09
249	Guscio fond.	292	306	307	293	5	40.0	3.04	1.09
250	Guscio fond.	293	307	308	294	5	40.0	3.04	1.09
251	Guscio fond.	294	308	309	295	5	40.0	3.04	1.09
252	Guscio fond.	295	309	310	296	5	40.0	3.04	1.09
253	Guscio fond.	296	310	311	297	5	40.0	3.04	1.09
254	Guscio fond.	297	311	312	298	5	40.0	3.04	1.09
255	Guscio fond.	298	312	313	299	5	40.0	3.04	1.09
256	Guscio fond.	299	313	314	300	5	40.0	3.04	1.09
257	Guscio fond.	300	314	315	301	5	40.0	3.04	1.09
258	Guscio fond.	301	315	316	302	5	40.0	3.04	1.09
259	Guscio fond.	302	316	317	303	5	40.0	3.04	1.09
260	Guscio fond.	303	317	318	304	5	40.0	3.04	1.09
261	Guscio fond.	305	319	320	306	5	40.0	3.04	1.09
262	Guscio fond.	306	320	321	307	5	40.0	3.04	1.09
263	Guscio fond.	307	321	322	308	5	40.0	3.04	1.09
264	Guscio fond.	308	322	323	309	5	40.0	3.04	1.09
265	Guscio fond.	309	323	324	310	5	40.0	3.04	1.09
266	Guscio fond.	310	324	325	311	5	40.0	3.04	1.09
267	Guscio fond.	311	325	326	312	5	40.0	3.04	1.09
268	Guscio fond.	312	326	327	313	5	40.0	3.04	1.09
269	Guscio fond.	313	327	328	314	5	40.0	3.04	1.09
270	Guscio fond.	314	328	329	315	5	40.0	3.04	1.09
271	Guscio fond.	315	329	330	316	5	40.0	3.04	1.09
272	Guscio fond.	316	330	331	317	5	40.0	3.04	1.09
273	Guscio fond.	317	331	332	318	5	40.0	3.04	1.09
274	Guscio fond.	319	333	334	320	5	40.0	3.04	1.09
275	Guscio fond.	320	334	335	321	5	40.0	3.04	1.09
276	Guscio fond.	321	335	336	322	5	40.0	3.04	1.09
277	Guscio fond.	322	336	337	323	5	40.0	3.04	1.09
278	Guscio fond.	323	337	338	324	5	40.0	3.04	1.09
279	Guscio fond.	324	338	339	325	5	40.0	3.04	1.09
280	Guscio fond.	325	339	340	326	5	40.0	3.04	1.09
281	Guscio fond.	326	340	341	327	5	40.0	3.04	1.09
282	Guscio fond.	327	341	342	328	5	40.0	3.04	1.09
283	Guscio fond.	328	342	343	329	5	40.0	3.04	1.09
284	Guscio fond.	329	343	344	330	5	40.0	3.04	1.09
285	Guscio fond.	330	344	345	331	5	40.0	3.04	1.09
286	Guscio fond.	331	345	346	332	5	40.0	3.04	1.09
287	Guscio fond.	333	347	348	334	5	40.0	3.04	1.09
288	Guscio fond.	334	348	349	335	5	40.0	3.04	1.09
289	Guscio fond.	335	349	350	336	5	40.0	3.04	1.09
290	Guscio fond.	336	350	351	337	5	40.0	3.04	1.09
291	Guscio fond.	337	351	352	338	5	40.0	3.04	1.09
292	Guscio fond.	338	352	353	339	5	40.0	3.04	1.09
293	Guscio fond.	339	353	354	340	5	40.0	3.04	1.09
294	Guscio fond.	340	354	355	341	5	40.0	3.04	1.09
295	Guscio fond.	341	355	356	342	5	40.0	3.04	1.09
296	Guscio fond.	342	356	357	343	5	40.0	3.04	1.09
297	Guscio fond.	343	357	358	344	5	40.0	3.04	1.09
298	Guscio fond.	344	358	359	345	5	40.0	3.04	1.09
299	Guscio fond.	345	359	360	346	5	40.0	3.04	1.09
300	Guscio fond.	347	361	362	348	5	40.0	3.04	1.09
301	Guscio fond.	348	362	363	349	5	40.0	3.04	1.09
302	Guscio fond.	349	363	364	350	5	40.0	3.04	1.09
303	Guscio fond.	350	364	365	351	5	40.0	3.04	1.09
304	Guscio fond.	351	365	366	352	5	40.0	3.04	1.09
305	Guscio fond.	352	366	367	353	5	40.0	3.04	1.09
306	Guscio fond.	353	367	368	354	5	40.0	3.04	1.09
307	Guscio fond.	354	368	369	355	5	40.0	3.04	1.09
308	Guscio fond.	355	369	370	356	5	40.0	3.04	1.09
309	Guscio fond.	356	370	371	357	5	40.0	3.04	1.09
310	Guscio fond.	357	371	372	358	5	40.0	3.04	1.09
311	Guscio fond.	358	372	373	359	5	40.0	3.04	1.09
312	Guscio fond.	359	373	374	360	5	40.0	3.04	1.09
313	Guscio fond.	361	21	375	362	5	40.0	3.04	1.09
314	Guscio fond.	362	375	376	363	5	40.0	3.04	1.09
315	Guscio fond.	363	376	377	364	5	40.0	3.04	1.09
316	Guscio fond.	364	377	378	365	5	40.0	3.04	1.09
317	Guscio fond.	365	378	379	366	5	40.0	3.04	1.09



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318	Guscio fond.	366	379	380	367	5	40.0	3.04	1.09
319	Guscio fond.	367	380	381	368	5	40.0	3.04	1.09
320	Guscio fond.	368	381	382	369	5	40.0	3.04	1.09
321	Guscio fond.	369	382	383	370	5	40.0	3.04	1.09
322	Guscio fond.	370	383	384	371	5	40.0	3.04	1.09
323	Guscio fond.	371	384	385	372	5	40.0	3.04	1.09
324	Guscio fond.	372	385	386	373	5	40.0	3.04	1.09
325	Guscio fond.	373	386	11	374	5	40.0	3.04	1.09
326	Guscio fond.	21	387	388	375	5	40.0	3.04	1.09
327	Guscio fond.	375	388	389	376	5	40.0	3.04	1.09
328	Guscio fond.	376	389	390	377	5	40.0	3.04	1.09
329	Guscio fond.	377	390	391	378	5	40.0	3.04	1.09
330	Guscio fond.	378	391	392	379	5	40.0	3.04	1.09
331	Guscio fond.	379	392	393	380	5	40.0	3.04	1.09
332	Guscio fond.	380	393	394	381	5	40.0	3.04	1.09
333	Guscio fond.	381	394	395	382	5	40.0	3.04	1.09
334	Guscio fond.	382	395	396	383	5	40.0	3.04	1.09
335	Guscio fond.	383	396	397	384	5	40.0	3.04	1.09
336	Guscio fond.	384	397	398	385	5	40.0	3.04	1.09
337	Guscio fond.	385	398	399	386	5	40.0	3.04	1.09
338	Guscio fond.	386	399	400	11	5	40.0	3.04	1.09
339	Guscio fond.	387	401	402	388	5	40.0	3.04	1.09
340	Guscio fond.	388	402	403	389	5	40.0	3.04	1.09
341	Guscio fond.	389	403	404	390	5	40.0	3.04	1.09
342	Guscio fond.	390	404	405	391	5	40.0	3.04	1.09
343	Guscio fond.	391	405	406	392	5	40.0	3.04	1.09
344	Guscio fond.	392	406	407	393	5	40.0	3.04	1.09
345	Guscio fond.	393	407	408	394	5	40.0	3.04	1.09
346	Guscio fond.	394	408	409	395	5	40.0	3.04	1.09
347	Guscio fond.	395	409	410	396	5	40.0	3.04	1.09
348	Guscio fond.	396	410	411	397	5	40.0	3.04	1.09
349	Guscio fond.	397	411	412	398	5	40.0	3.04	1.09
350	Guscio fond.	398	412	413	399	5	40.0	3.04	1.09
351	Guscio fond.	399	413	414	400	5	40.0	3.04	1.09
352	Guscio fond.	401	415	416	402	5	40.0	3.04	1.09
353	Guscio fond.	402	416	417	403	5	40.0	3.04	1.09
354	Guscio fond.	403	417	418	404	5	40.0	3.04	1.09
355	Guscio fond.	404	418	419	405	5	40.0	3.04	1.09
356	Guscio fond.	405	419	420	406	5	40.0	3.04	1.09
357	Guscio fond.	406	420	421	407	5	40.0	3.04	1.09
358	Guscio fond.	407	421	422	408	5	40.0	3.04	1.09
359	Guscio fond.	408	422	423	409	5	40.0	3.04	1.09
360	Guscio fond.	409	423	424	410	5	40.0	3.04	1.09
361	Guscio fond.	410	424	425	411	5	40.0	3.04	1.09
362	Guscio fond.	411	425	426	412	5	40.0	3.04	1.09
363	Guscio fond.	412	426	427	413	5	40.0	3.04	1.09
364	Guscio fond.	413	427	428	414	5	40.0	3.04	1.09
365	Guscio fond.	415	429	430	416	5	40.0	3.04	1.09
366	Guscio fond.	416	430	431	417	5	40.0	3.04	1.09
367	Guscio fond.	417	431	432	418	5	40.0	3.04	1.09
368	Guscio fond.	418	432	433	419	5	40.0	3.04	1.09
369	Guscio fond.	419	433	434	420	5	40.0	3.04	1.09
370	Guscio fond.	420	434	435	421	5	40.0	3.04	1.09
371	Guscio fond.	421	435	436	422	5	40.0	3.04	1.09
372	Guscio fond.	422	436	437	423	5	40.0	3.04	1.09
373	Guscio fond.	423	437	438	424	5	40.0	3.04	1.09
374	Guscio fond.	424	438	439	425	5	40.0	3.04	1.09
375	Guscio fond.	425	439	440	426	5	40.0	3.04	1.09
376	Guscio fond.	426	440	441	427	5	40.0	3.04	1.09
377	Guscio fond.	427	441	442	428	5	40.0	3.04	1.09
378	Guscio fond.	429	443	444	430	5	40.0	3.04	1.09
379	Guscio fond.	430	444	445	431	5	40.0	3.04	1.09
380	Guscio fond.	431	445	446	432	5	40.0	3.04	1.09
381	Guscio fond.	432	446	447	433	5	40.0	3.04	1.09
382	Guscio fond.	433	447	448	434	5	40.0	3.04	1.09
383	Guscio fond.	434	448	449	435	5	40.0	3.04	1.09
384	Guscio fond.	435	449	450	436	5	40.0	3.04	1.09
385	Guscio fond.	436	450	451	437	5	40.0	3.04	1.09
386	Guscio fond.	437	451	452	438	5	40.0	3.04	1.09
387	Guscio fond.	438	452	453	439	5	40.0	3.04	1.09
388	Guscio fond.	439	453	454	440	5	40.0	3.04	1.09
389	Guscio fond.	440	454	455	441	5	40.0	3.04	1.09
390	Guscio fond.	441	455	456	442	5	40.0	3.04	1.09
391	Guscio fond.	443	457	458	444	5	40.0	3.04	1.09
392	Guscio fond.	444	458	459	445	5	40.0	3.04	1.09
393	Guscio fond.	445	459	460	446	5	40.0	3.04	1.09



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394	Guscio fond.	446	460	461	447	5	40.0	3.04	1.09
395	Guscio fond.	447	461	462	448	5	40.0	3.04	1.09
396	Guscio fond.	448	462	463	449	5	40.0	3.04	1.09
397	Guscio fond.	449	463	464	450	5	40.0	3.04	1.09
398	Guscio fond.	450	464	465	451	5	40.0	3.04	1.09
399	Guscio fond.	451	465	466	452	5	40.0	3.04	1.09
400	Guscio fond.	452	466	467	453	5	40.0	3.04	1.09
401	Guscio fond.	453	467	468	454	5	40.0	3.04	1.09
402	Guscio fond.	454	468	469	455	5	40.0	3.04	1.09
403	Guscio fond.	455	469	470	456	5	40.0	3.04	1.09
404	Guscio fond.	457	471	472	458	5	40.0	3.04	1.09
405	Guscio fond.	458	472	473	459	5	40.0	3.04	1.09
406	Guscio fond.	459	473	474	460	5	40.0	3.04	1.09
407	Guscio fond.	460	474	475	461	5	40.0	3.04	1.09
408	Guscio fond.	461	475	476	462	5	40.0	3.04	1.09
409	Guscio fond.	462	476	477	463	5	40.0	3.04	1.09
410	Guscio fond.	463	477	478	464	5	40.0	3.04	1.09
411	Guscio fond.	464	478	479	465	5	40.0	3.04	1.09
412	Guscio fond.	465	479	480	466	5	40.0	3.04	1.09
413	Guscio fond.	466	480	481	467	5	40.0	3.04	1.09
414	Guscio fond.	467	481	482	468	5	40.0	3.04	1.09
415	Guscio fond.	468	482	483	469	5	40.0	3.04	1.09
416	Guscio fond.	469	483	484	470	5	40.0	3.04	1.09
417	Guscio fond.	471	485	486	472	5	40.0	3.04	1.09
418	Guscio fond.	472	486	487	473	5	40.0	3.04	1.09
419	Guscio fond.	473	487	488	474	5	40.0	3.04	1.09
420	Guscio fond.	474	488	489	475	5	40.0	3.04	1.09
421	Guscio fond.	475	489	490	476	5	40.0	3.04	1.09
422	Guscio fond.	476	490	491	477	5	40.0	3.04	1.09
423	Guscio fond.	477	491	492	478	5	40.0	3.04	1.09
424	Guscio fond.	478	492	493	479	5	40.0	3.04	1.09
425	Guscio fond.	479	493	494	480	5	40.0	3.04	1.09
426	Guscio fond.	480	494	495	481	5	40.0	3.04	1.09
427	Guscio fond.	481	495	496	482	5	40.0	3.04	1.09
428	Guscio fond.	482	496	497	483	5	40.0	3.04	1.09
429	Guscio fond.	483	497	498	484	5	40.0	3.04	1.09
430	Guscio fond.	485	499	500	486	5	40.0	3.04	1.09
431	Guscio fond.	486	500	501	487	5	40.0	3.04	1.09
432	Guscio fond.	487	501	502	488	5	40.0	3.04	1.09
433	Guscio fond.	488	502	503	489	5	40.0	3.04	1.09
434	Guscio fond.	489	503	504	490	5	40.0	3.04	1.09
435	Guscio fond.	490	504	505	491	5	40.0	3.04	1.09
436	Guscio fond.	491	505	506	492	5	40.0	3.04	1.09
437	Guscio fond.	492	506	507	493	5	40.0	3.04	1.09
438	Guscio fond.	493	507	508	494	5	40.0	3.04	1.09
439	Guscio fond.	494	508	509	495	5	40.0	3.04	1.09
440	Guscio fond.	495	509	510	496	5	40.0	3.04	1.09
441	Guscio fond.	496	510	511	497	5	40.0	3.04	1.09
442	Guscio fond.	497	511	512	498	5	40.0	3.04	1.09
443	Guscio fond.	499	23	514	500	5	40.0	3.04	1.09
444	Guscio fond.	500	514	515	501	5	40.0	3.04	1.09
445	Guscio fond.	501	515	516	502	5	40.0	3.04	1.09
446	Guscio fond.	502	516	517	503	5	40.0	3.04	1.09
447	Guscio fond.	503	517	518	504	5	40.0	3.04	1.09
448	Guscio fond.	504	518	519	505	5	40.0	3.04	1.09
449	Guscio fond.	505	519	520	506	5	40.0	3.04	1.09
450	Guscio fond.	506	520	521	507	5	40.0	3.04	1.09
451	Guscio fond.	507	521	522	508	5	40.0	3.04	1.09
452	Guscio fond.	508	522	523	509	5	40.0	3.04	1.09
453	Guscio fond.	509	523	524	510	5	40.0	3.04	1.09
454	Guscio fond.	510	524	525	511	5	40.0	3.04	1.09
455	Guscio fond.	511	525	13	512	5	40.0	3.04	1.09
456	Guscio fond.	899	528	529	900	5	40.0	3.04	1.09
457	Guscio fond.	900	529	530	901	5	40.0	3.04	1.09
458	Guscio fond.	901	530	531	902	5	40.0	3.04	1.09
459	Guscio fond.	902	531	532	903	5	40.0	3.04	1.09
460	Guscio fond.	903	532	533	904	5	40.0	3.04	1.09
461	Guscio fond.	904	533	534	905	5	40.0	3.04	1.09
462	Guscio fond.	905	534	535	906	5	40.0	3.04	1.09
463	Guscio fond.	906	535	536	907	5	40.0	3.04	1.09
464	Guscio fond.	907	536	537	908	5	40.0	3.04	1.09
465	Guscio fond.	908	537	538	24	5	40.0	3.04	1.09
466	Guscio fond.	24	538	179	513	5	40.0	3.04	1.09
467	Guscio fond.	513	179	693	526	5	40.0	3.04	1.09
468	Guscio fond.	526	693	706	527	5	40.0	3.04	1.09
469	Guscio fond.	23	539	540	514	5	40.0	3.04	1.09



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470	Guscio fond.	514	540	541	515	5	40.0	3.04	1.09
471	Guscio fond.	515	541	542	516	5	40.0	3.04	1.09
472	Guscio fond.	516	542	543	517	5	40.0	3.04	1.09
473	Guscio fond.	517	543	544	518	5	40.0	3.04	1.09
474	Guscio fond.	518	544	545	519	5	40.0	3.04	1.09
475	Guscio fond.	519	545	546	520	5	40.0	3.04	1.09
476	Guscio fond.	520	546	547	521	5	40.0	3.04	1.09
477	Guscio fond.	521	547	548	522	5	40.0	3.04	1.09
478	Guscio fond.	522	548	549	523	5	40.0	3.04	1.09
479	Guscio fond.	523	549	550	524	5	40.0	3.04	1.09
480	Guscio fond.	524	550	551	525	5	40.0	3.04	1.09
481	Guscio fond.	525	551	552	13	5	40.0	3.04	1.09
482	Guscio fond.	539	553	554	540	5	40.0	3.04	1.09
483	Guscio fond.	540	554	555	541	5	40.0	3.04	1.09
484	Guscio fond.	541	555	556	542	5	40.0	3.04	1.09
485	Guscio fond.	542	556	557	543	5	40.0	3.04	1.09
486	Guscio fond.	543	557	558	544	5	40.0	3.04	1.09
487	Guscio fond.	544	558	559	545	5	40.0	3.04	1.09
488	Guscio fond.	545	559	560	546	5	40.0	3.04	1.09
489	Guscio fond.	546	560	561	547	5	40.0	3.04	1.09
490	Guscio fond.	547	561	562	548	5	40.0	3.04	1.09
491	Guscio fond.	548	562	563	549	5	40.0	3.04	1.09
492	Guscio fond.	549	563	564	550	5	40.0	3.04	1.09
493	Guscio fond.	550	564	565	551	5	40.0	3.04	1.09
494	Guscio fond.	551	565	566	552	5	40.0	3.04	1.09
495	Guscio fond.	553	567	568	554	5	40.0	3.04	1.09
496	Guscio fond.	554	568	569	555	5	40.0	3.04	1.09
497	Guscio fond.	555	569	570	556	5	40.0	3.04	1.09
498	Guscio fond.	556	570	571	557	5	40.0	3.04	1.09
499	Guscio fond.	557	571	572	558	5	40.0	3.04	1.09
500	Guscio fond.	558	572	573	559	5	40.0	3.04	1.09
501	Guscio fond.	559	573	574	560	5	40.0	3.04	1.09
502	Guscio fond.	560	574	575	561	5	40.0	3.04	1.09
503	Guscio fond.	561	575	576	562	5	40.0	3.04	1.09
504	Guscio fond.	562	576	577	563	5	40.0	3.04	1.09
505	Guscio fond.	563	577	578	564	5	40.0	3.04	1.09
506	Guscio fond.	564	578	579	565	5	40.0	3.04	1.09
507	Guscio fond.	565	579	580	566	5	40.0	3.04	1.09
508	Guscio fond.	567	581	582	568	5	40.0	3.04	1.09
509	Guscio fond.	568	582	583	569	5	40.0	3.04	1.09
510	Guscio fond.	569	583	584	570	5	40.0	3.04	1.09
511	Guscio fond.	570	584	585	571	5	40.0	3.04	1.09
512	Guscio fond.	571	585	586	572	5	40.0	3.04	1.09
513	Guscio fond.	572	586	587	573	5	40.0	3.04	1.09
514	Guscio fond.	573	587	588	574	5	40.0	3.04	1.09
515	Guscio fond.	574	588	589	575	5	40.0	3.04	1.09
516	Guscio fond.	575	589	590	576	5	40.0	3.04	1.09
517	Guscio fond.	576	590	591	577	5	40.0	3.04	1.09
518	Guscio fond.	577	591	592	578	5	40.0	3.04	1.09
519	Guscio fond.	578	592	593	579	5	40.0	3.04	1.09
520	Guscio fond.	579	593	594	580	5	40.0	3.04	1.09
521	Guscio fond.	581	595	596	582	5	40.0	3.04	1.09
522	Guscio fond.	582	596	597	583	5	40.0	3.04	1.09
523	Guscio fond.	583	597	598	584	5	40.0	3.04	1.09
524	Guscio fond.	584	598	599	585	5	40.0	3.04	1.09
525	Guscio fond.	585	599	600	586	5	40.0	3.04	1.09
526	Guscio fond.	586	600	601	587	5	40.0	3.04	1.09
527	Guscio fond.	587	601	602	588	5	40.0	3.04	1.09
528	Guscio fond.	588	602	603	589	5	40.0	3.04	1.09
529	Guscio fond.	589	603	604	590	5	40.0	3.04	1.09
530	Guscio fond.	590	604	605	591	5	40.0	3.04	1.09
531	Guscio fond.	591	605	606	592	5	40.0	3.04	1.09
532	Guscio fond.	592	606	607	593	5	40.0	3.04	1.09
533	Guscio fond.	593	607	608	594	5	40.0	3.04	1.09
534	Guscio fond.	595	609	610	596	5	40.0	3.04	1.09
535	Guscio fond.	596	610	611	597	5	40.0	3.04	1.09
536	Guscio fond.	597	611	612	598	5	40.0	3.04	1.09
537	Guscio fond.	598	612	613	599	5	40.0	3.04	1.09
538	Guscio fond.	599	613	614	600	5	40.0	3.04	1.09
539	Guscio fond.	600	614	615	601	5	40.0	3.04	1.09
540	Guscio fond.	601	615	616	602	5	40.0	3.04	1.09
541	Guscio fond.	602	616	617	603	5	40.0	3.04	1.09
542	Guscio fond.	603	617	618	604	5	40.0	3.04	1.09
543	Guscio fond.	604	618	619	605	5	40.0	3.04	1.09
544	Guscio fond.	605	619	620	606	5	40.0	3.04	1.09
545	Guscio fond.	606	620	621	607	5	40.0	3.04	1.09



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546	Guscio fond.	607	621	622	608	5	40.0	3.04	1.09
547	Guscio fond.	609	623	624	610	5	40.0	3.04	1.09
548	Guscio fond.	610	624	625	611	5	40.0	3.04	1.09
549	Guscio fond.	611	625	626	612	5	40.0	3.04	1.09
550	Guscio fond.	612	626	627	613	5	40.0	3.04	1.09
551	Guscio fond.	613	627	628	614	5	40.0	3.04	1.09
552	Guscio fond.	614	628	629	615	5	40.0	3.04	1.09
553	Guscio fond.	615	629	630	616	5	40.0	3.04	1.09
554	Guscio fond.	616	630	631	617	5	40.0	3.04	1.09
555	Guscio fond.	617	631	632	618	5	40.0	3.04	1.09
556	Guscio fond.	618	632	633	619	5	40.0	3.04	1.09
557	Guscio fond.	619	633	634	620	5	40.0	3.04	1.09
558	Guscio fond.	620	634	635	621	5	40.0	3.04	1.09
559	Guscio fond.	621	635	636	622	5	40.0	3.04	1.09
560	Guscio fond.	623	637	638	624	5	40.0	3.04	1.09
561	Guscio fond.	624	638	639	625	5	40.0	3.04	1.09
562	Guscio fond.	625	639	640	626	5	40.0	3.04	1.09
563	Guscio fond.	626	640	641	627	5	40.0	3.04	1.09
564	Guscio fond.	627	641	642	628	5	40.0	3.04	1.09
565	Guscio fond.	628	642	643	629	5	40.0	3.04	1.09
566	Guscio fond.	629	643	644	630	5	40.0	3.04	1.09
567	Guscio fond.	630	644	645	631	5	40.0	3.04	1.09
568	Guscio fond.	631	645	646	632	5	40.0	3.04	1.09
569	Guscio fond.	632	646	647	633	5	40.0	3.04	1.09
570	Guscio fond.	633	647	648	634	5	40.0	3.04	1.09
571	Guscio fond.	634	648	649	635	5	40.0	3.04	1.09
572	Guscio fond.	635	649	650	636	5	40.0	3.04	1.09
573	Guscio fond.	637	651	652	638	5	40.0	3.04	1.09
574	Guscio fond.	638	652	653	639	5	40.0	3.04	1.09
575	Guscio fond.	639	653	654	640	5	40.0	3.04	1.09
576	Guscio fond.	640	654	655	641	5	40.0	3.04	1.09
577	Guscio fond.	641	655	656	642	5	40.0	3.04	1.09
578	Guscio fond.	642	656	657	643	5	40.0	3.04	1.09
579	Guscio fond.	643	657	658	644	5	40.0	3.04	1.09
580	Guscio fond.	644	658	659	645	5	40.0	3.04	1.09
581	Guscio fond.	645	659	660	646	5	40.0	3.04	1.09
582	Guscio fond.	646	660	661	647	5	40.0	3.04	1.09
583	Guscio fond.	647	661	662	648	5	40.0	3.04	1.09
584	Guscio fond.	648	662	663	649	5	40.0	3.04	1.09
585	Guscio fond.	649	663	664	650	5	40.0	3.04	1.09
586	Guscio fond.	651	665	666	652	5	40.0	3.04	1.09
587	Guscio fond.	652	666	667	653	5	40.0	3.04	1.09
588	Guscio fond.	653	667	668	654	5	40.0	3.04	1.09
589	Guscio fond.	654	668	669	655	5	40.0	3.04	1.09
590	Guscio fond.	655	669	670	656	5	40.0	3.04	1.09
591	Guscio fond.	656	670	671	657	5	40.0	3.04	1.09
592	Guscio fond.	657	671	672	658	5	40.0	3.04	1.09
593	Guscio fond.	658	672	673	659	5	40.0	3.04	1.09
594	Guscio fond.	659	673	674	660	5	40.0	3.04	1.09
595	Guscio fond.	660	674	675	661	5	40.0	3.04	1.09
596	Guscio fond.	661	675	676	662	5	40.0	3.04	1.09
597	Guscio fond.	662	676	677	663	5	40.0	3.04	1.09
598	Guscio fond.	663	677	678	664	5	40.0	3.04	1.09
599	Guscio fond.	665	679	680	666	5	40.0	3.04	1.09
600	Guscio fond.	666	680	681	667	5	40.0	3.04	1.09
601	Guscio fond.	667	681	682	668	5	40.0	3.04	1.09
602	Guscio fond.	668	682	683	669	5	40.0	3.04	1.09
603	Guscio fond.	669	683	684	670	5	40.0	3.04	1.09
604	Guscio fond.	670	684	685	671	5	40.0	3.04	1.09
605	Guscio fond.	671	685	686	672	5	40.0	3.04	1.09
606	Guscio fond.	672	686	687	673	5	40.0	3.04	1.09
607	Guscio fond.	673	687	688	674	5	40.0	3.04	1.09
608	Guscio fond.	674	688	689	675	5	40.0	3.04	1.09
609	Guscio fond.	675	689	690	676	5	40.0	3.04	1.09
610	Guscio fond.	676	690	691	677	5	40.0	3.04	1.09
611	Guscio fond.	677	691	692	678	5	40.0	3.04	1.09
612	Guscio fond.	679	12	694	680	5	40.0	3.04	1.09
613	Guscio fond.	680	694	695	681	5	40.0	3.04	1.09
614	Guscio fond.	681	695	696	682	5	40.0	3.04	1.09
615	Guscio fond.	682	696	697	683	5	40.0	3.04	1.09
616	Guscio fond.	683	697	698	684	5	40.0	3.04	1.09
617	Guscio fond.	684	698	699	685	5	40.0	3.04	1.09
618	Guscio fond.	685	699	700	686	5	40.0	3.04	1.09
619	Guscio fond.	686	700	701	687	5	40.0	3.04	1.09
620	Guscio fond.	687	701	702	688	5	40.0	3.04	1.09
621	Guscio fond.	688	702	703	689	5	40.0	3.04	1.09



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622	Guscio fond.	689	703	704	690	5	40.0	3.04	1.09
623	Guscio fond.	690	704	705	691	5	40.0	3.04	1.09
624	Guscio fond.	691	705	15	692	5	40.0	3.04	1.09
625	Guscio fond.	528	25	707	529	5	40.0	3.04	1.09
626	Guscio fond.	529	707	708	530	5	40.0	3.04	1.09
627	Guscio fond.	530	708	709	531	5	40.0	3.04	1.09
628	Guscio fond.	531	709	710	532	5	40.0	3.04	1.09
629	Guscio fond.	532	710	711	533	5	40.0	3.04	1.09
630	Guscio fond.	533	711	712	534	5	40.0	3.04	1.09
631	Guscio fond.	534	712	713	535	5	40.0	3.04	1.09
632	Guscio fond.	535	713	714	536	5	40.0	3.04	1.09
633	Guscio fond.	536	714	715	537	5	40.0	3.04	1.09
634	Guscio fond.	537	715	716	538	5	40.0	3.04	1.09
635	Guscio fond.	538	716	717	179	5	40.0	3.04	1.09
636	Guscio fond.	179	717	718	693	5	40.0	3.04	1.09
637	Guscio fond.	693	718	27	706	5	40.0	3.04	1.09
638	Guscio fond.	12	719	720	694	5	40.0	3.04	1.09
639	Guscio fond.	694	720	721	695	5	40.0	3.04	1.09
640	Guscio fond.	695	721	722	696	5	40.0	3.04	1.09
641	Guscio fond.	696	722	723	697	5	40.0	3.04	1.09
642	Guscio fond.	697	723	724	698	5	40.0	3.04	1.09
643	Guscio fond.	698	724	725	699	5	40.0	3.04	1.09
644	Guscio fond.	699	725	726	700	5	40.0	3.04	1.09
645	Guscio fond.	700	726	727	701	5	40.0	3.04	1.09
646	Guscio fond.	701	727	728	702	5	40.0	3.04	1.09
647	Guscio fond.	702	728	729	703	5	40.0	3.04	1.09
648	Guscio fond.	703	729	730	704	5	40.0	3.04	1.09
649	Guscio fond.	704	730	731	705	5	40.0	3.04	1.09
650	Guscio fond.	705	731	732	15	5	40.0	3.04	1.09
651	Guscio fond.	719	733	734	720	5	40.0	3.04	1.09
652	Guscio fond.	720	734	735	721	5	40.0	3.04	1.09
653	Guscio fond.	721	735	736	722	5	40.0	3.04	1.09
654	Guscio fond.	722	736	737	723	5	40.0	3.04	1.09
655	Guscio fond.	723	737	738	724	5	40.0	3.04	1.09
656	Guscio fond.	724	738	739	725	5	40.0	3.04	1.09
657	Guscio fond.	725	739	740	726	5	40.0	3.04	1.09
658	Guscio fond.	726	740	741	727	5	40.0	3.04	1.09
659	Guscio fond.	727	741	742	728	5	40.0	3.04	1.09
660	Guscio fond.	728	742	743	729	5	40.0	3.04	1.09
661	Guscio fond.	729	743	744	730	5	40.0	3.04	1.09
662	Guscio fond.	730	744	745	731	5	40.0	3.04	1.09
663	Guscio fond.	731	745	746	732	5	40.0	3.04	1.09
664	Guscio fond.	733	747	748	734	5	40.0	3.04	1.09
665	Guscio fond.	734	748	749	735	5	40.0	3.04	1.09
666	Guscio fond.	735	749	750	736	5	40.0	3.04	1.09
667	Guscio fond.	736	750	751	737	5	40.0	3.04	1.09
668	Guscio fond.	737	751	752	738	5	40.0	3.04	1.09
669	Guscio fond.	738	752	753	739	5	40.0	3.04	1.09
670	Guscio fond.	739	753	754	740	5	40.0	3.04	1.09
671	Guscio fond.	740	754	755	741	5	40.0	3.04	1.09
672	Guscio fond.	741	755	756	742	5	40.0	3.04	1.09
673	Guscio fond.	742	756	757	743	5	40.0	3.04	1.09
674	Guscio fond.	743	757	758	744	5	40.0	3.04	1.09
675	Guscio fond.	744	758	759	745	5	40.0	3.04	1.09
676	Guscio fond.	745	759	760	746	5	40.0	3.04	1.09
677	Guscio fond.	747	761	762	748	5	40.0	3.04	1.09
678	Guscio fond.	748	762	763	749	5	40.0	3.04	1.09
679	Guscio fond.	749	763	764	750	5	40.0	3.04	1.09
680	Guscio fond.	750	764	765	751	5	40.0	3.04	1.09
681	Guscio fond.	751	765	766	752	5	40.0	3.04	1.09
682	Guscio fond.	752	766	767	753	5	40.0	3.04	1.09
683	Guscio fond.	753	767	768	754	5	40.0	3.04	1.09
684	Guscio fond.	754	768	769	755	5	40.0	3.04	1.09
685	Guscio fond.	755	769	770	756	5	40.0	3.04	1.09
686	Guscio fond.	756	770	771	757	5	40.0	3.04	1.09
687	Guscio fond.	757	771	772	758	5	40.0	3.04	1.09
688	Guscio fond.	758	772	773	759	5	40.0	3.04	1.09
689	Guscio fond.	759	773	774	760	5	40.0	3.04	1.09
690	Guscio fond.	761	775	776	762	5	40.0	3.04	1.09
691	Guscio fond.	762	776	777	763	5	40.0	3.04	1.09
692	Guscio fond.	763	777	778	764	5	40.0	3.04	1.09
693	Guscio fond.	764	778	779	765	5	40.0	3.04	1.09
694	Guscio fond.	765	779	780	766	5	40.0	3.04	1.09
695	Guscio fond.	766	780	781	767	5	40.0	3.04	1.09
696	Guscio fond.	767	781	782	768	5	40.0	3.04	1.09
697	Guscio fond.	768	782	783	769	5	40.0	3.04	1.09



698	Guscio fond.	769	783	784	770	5	40.0	3.04	1.09
699	Guscio fond.	770	784	785	771	5	40.0	3.04	1.09
700	Guscio fond.	771	785	786	772	5	40.0	3.04	1.09
701	Guscio fond.	772	786	787	773	5	40.0	3.04	1.09
702	Guscio fond.	773	787	788	774	5	40.0	3.04	1.09
703	Guscio fond.	775	789	790	776	5	40.0	3.04	1.09
704	Guscio fond.	776	790	791	777	5	40.0	3.04	1.09
705	Guscio fond.	777	791	792	778	5	40.0	3.04	1.09
706	Guscio fond.	778	792	793	779	5	40.0	3.04	1.09
707	Guscio fond.	779	793	794	780	5	40.0	3.04	1.09
708	Guscio fond.	780	794	795	781	5	40.0	3.04	1.09
709	Guscio fond.	781	795	796	782	5	40.0	3.04	1.09
710	Guscio fond.	782	796	797	783	5	40.0	3.04	1.09
711	Guscio fond.	783	797	798	784	5	40.0	3.04	1.09
712	Guscio fond.	784	798	799	785	5	40.0	3.04	1.09
713	Guscio fond.	785	799	800	786	5	40.0	3.04	1.09
714	Guscio fond.	786	800	801	787	5	40.0	3.04	1.09
715	Guscio fond.	787	801	802	788	5	40.0	3.04	1.09
716	Guscio fond.	789	803	804	790	5	40.0	3.04	1.09
717	Guscio fond.	790	804	805	791	5	40.0	3.04	1.09
718	Guscio fond.	791	805	806	792	5	40.0	3.04	1.09
719	Guscio fond.	792	806	807	793	5	40.0	3.04	1.09
720	Guscio fond.	793	807	808	794	5	40.0	3.04	1.09
721	Guscio fond.	794	808	809	795	5	40.0	3.04	1.09
722	Guscio fond.	795	809	810	796	5	40.0	3.04	1.09
723	Guscio fond.	796	810	811	797	5	40.0	3.04	1.09
724	Guscio fond.	797	811	812	798	5	40.0	3.04	1.09
725	Guscio fond.	798	812	813	799	5	40.0	3.04	1.09
726	Guscio fond.	799	813	814	800	5	40.0	3.04	1.09
727	Guscio fond.	800	814	815	801	5	40.0	3.04	1.09
728	Guscio fond.	801	815	816	802	5	40.0	3.04	1.09
729	Guscio fond.	803	817	818	804	5	40.0	3.04	1.09
730	Guscio fond.	804	818	819	805	5	40.0	3.04	1.09
731	Guscio fond.	805	819	820	806	5	40.0	3.04	1.09
732	Guscio fond.	806	820	821	807	5	40.0	3.04	1.09
733	Guscio fond.	807	821	822	808	5	40.0	3.04	1.09
734	Guscio fond.	808	822	823	809	5	40.0	3.04	1.09
735	Guscio fond.	809	823	824	810	5	40.0	3.04	1.09
736	Guscio fond.	810	824	825	811	5	40.0	3.04	1.09
737	Guscio fond.	811	825	826	812	5	40.0	3.04	1.09
738	Guscio fond.	812	826	827	813	5	40.0	3.04	1.09
739	Guscio fond.	813	827	828	814	5	40.0	3.04	1.09
740	Guscio fond.	814	828	829	815	5	40.0	3.04	1.09
741	Guscio fond.	815	829	830	816	5	40.0	3.04	1.09
742	Guscio fond.	817	9	831	818	5	40.0	3.04	1.09
743	Guscio fond.	818	831	832	819	5	40.0	3.04	1.09
744	Guscio fond.	819	832	833	820	5	40.0	3.04	1.09
745	Guscio fond.	820	833	834	821	5	40.0	3.04	1.09
746	Guscio fond.	821	834	835	822	5	40.0	3.04	1.09
747	Guscio fond.	822	835	836	823	5	40.0	3.04	1.09
748	Guscio fond.	823	836	837	824	5	40.0	3.04	1.09
749	Guscio fond.	824	837	838	825	5	40.0	3.04	1.09
750	Guscio fond.	825	838	839	826	5	40.0	3.04	1.09
751	Guscio fond.	826	839	840	827	5	40.0	3.04	1.09
752	Guscio fond.	827	840	841	828	5	40.0	3.04	1.09
753	Guscio fond.	828	841	842	829	5	40.0	3.04	1.09
754	Guscio fond.	829	842	17	830	5	40.0	3.04	1.09
755	Guscio fond.	9	843	844	831	5	40.0	3.04	1.09
756	Guscio fond.	831	844	845	832	5	40.0	3.04	1.09
757	Guscio fond.	832	845	846	833	5	40.0	3.04	1.09
758	Guscio fond.	833	846	847	834	5	40.0	3.04	1.09
759	Guscio fond.	834	847	848	835	5	40.0	3.04	1.09
760	Guscio fond.	835	848	849	836	5	40.0	3.04	1.09
761	Guscio fond.	836	849	850	837	5	40.0	3.04	1.09
762	Guscio fond.	837	850	851	838	5	40.0	3.04	1.09
763	Guscio fond.	838	851	852	839	5	40.0	3.04	1.09
764	Guscio fond.	839	852	853	840	5	40.0	3.04	1.09
765	Guscio fond.	840	853	854	841	5	40.0	3.04	1.09
766	Guscio fond.	841	854	855	842	5	40.0	3.04	1.09
767	Guscio fond.	842	855	856	17	5	40.0	3.04	1.09
768	Guscio fond.	843	857	858	844	5	40.0	3.04	1.09
769	Guscio fond.	844	858	859	845	5	40.0	3.04	1.09
770	Guscio fond.	845	859	860	846	5	40.0	3.04	1.09
771	Guscio fond.	846	860	861	847	5	40.0	3.04	1.09
772	Guscio fond.	847	861	862	848	5	40.0	3.04	1.09
773	Guscio fond.	848	862	863	849	5	40.0	3.04	1.09



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774	Guscio fond.	849	863	864	850	5	40.0	3.04	1.09
775	Guscio fond.	850	864	865	851	5	40.0	3.04	1.09
776	Guscio fond.	851	865	866	852	5	40.0	3.04	1.09
777	Guscio fond.	852	866	867	853	5	40.0	3.04	1.09
778	Guscio fond.	853	867	868	854	5	40.0	3.04	1.09
779	Guscio fond.	854	868	869	855	5	40.0	3.04	1.09
780	Guscio fond.	855	869	870	856	5	40.0	3.04	1.09
781	Guscio fond.	857	871	872	858	5	40.0	3.04	1.09
782	Guscio fond.	858	872	873	859	5	40.0	3.04	1.09
783	Guscio fond.	859	873	874	860	5	40.0	3.04	1.09
784	Guscio fond.	860	874	875	861	5	40.0	3.04	1.09
785	Guscio fond.	861	875	876	862	5	40.0	3.04	1.09
786	Guscio fond.	862	876	877	863	5	40.0	3.04	1.09
787	Guscio fond.	863	877	878	864	5	40.0	3.04	1.09
788	Guscio fond.	864	878	879	865	5	40.0	3.04	1.09
789	Guscio fond.	865	879	880	866	5	40.0	3.04	1.09
790	Guscio fond.	866	880	881	867	5	40.0	3.04	1.09
791	Guscio fond.	867	881	882	868	5	40.0	3.04	1.09
792	Guscio fond.	868	882	883	869	5	40.0	3.04	1.09
793	Guscio fond.	869	883	884	870	5	40.0	3.04	1.09
794	Guscio fond.	871	885	886	872	5	40.0	3.04	1.09
795	Guscio fond.	872	886	887	873	5	40.0	3.04	1.09
796	Guscio fond.	873	887	888	874	5	40.0	3.04	1.09
797	Guscio fond.	874	888	889	875	5	40.0	3.04	1.09
798	Guscio fond.	875	889	890	876	5	40.0	3.04	1.09
799	Guscio fond.	876	890	891	877	5	40.0	3.04	1.09
800	Guscio fond.	877	891	892	878	5	40.0	3.04	1.09
801	Guscio fond.	878	892	893	879	5	40.0	3.04	1.09
802	Guscio fond.	879	893	894	880	5	40.0	3.04	1.09
803	Guscio fond.	880	894	895	881	5	40.0	3.04	1.09
804	Guscio fond.	881	895	896	882	5	40.0	3.04	1.09
805	Guscio fond.	882	896	897	883	5	40.0	3.04	1.09
806	Guscio fond.	883	897	898	884	5	40.0	3.04	1.09
807	Guscio fond.	885	899	900	886	5	40.0	3.04	1.09
808	Guscio fond.	886	900	901	887	5	40.0	3.04	1.09
809	Guscio fond.	887	901	902	888	5	40.0	3.04	1.09
810	Guscio fond.	888	902	903	889	5	40.0	3.04	1.09
811	Guscio fond.	889	903	904	890	5	40.0	3.04	1.09
812	Guscio fond.	890	904	905	891	5	40.0	3.04	1.09
813	Guscio fond.	891	905	906	892	5	40.0	3.04	1.09
814	Guscio fond.	892	906	907	893	5	40.0	3.04	1.09
815	Guscio fond.	893	907	908	894	5	40.0	3.04	1.09
816	Guscio fond.	164	178	909	165	5	40.0	3.04	1.09
817	Guscio fond.	178	191	192	909	5	40.0	3.04	1.09
818	Guscio fond.	165	909	910	166	5	40.0	3.04	1.09
819	Guscio fond.	909	192	193	910	5	40.0	3.04	1.09
820	Guscio fond.	3	54	917	911	5	40.0	3.04	1.09
821	Guscio fond.	54	68	918	917	5	40.0	3.04	1.09
822	Guscio fond.	68	82	919	918	5	40.0	3.04	1.09
823	Guscio fond.	82	96	920	919	5	40.0	3.04	1.09
824	Guscio fond.	96	110	921	920	5	40.0	3.04	1.09
825	Guscio fond.	110	124	922	921	5	40.0	3.04	1.09
826	Guscio fond.	124	138	923	922	5	40.0	3.04	1.09
827	Guscio fond.	138	152	924	923	5	40.0	3.04	1.09
828	Guscio fond.	152	166	925	924	5	40.0	3.04	1.09
829	Guscio fond.	898	527	949	973	5	40.0	3.04	1.09
830	Guscio fond.	981	927	1055	25	5	40.0	3.04	1.09
831	Guscio fond.	27	1056	1069	916	5	40.0	3.04	1.09
832	Guscio fond.	220	234	929	928	5	40.0	3.04	1.09
833	Guscio fond.	234	248	930	929	5	40.0	3.04	1.09
834	Guscio fond.	248	262	931	930	5	40.0	3.04	1.09
835	Guscio fond.	262	276	932	931	5	40.0	3.04	1.09
836	Guscio fond.	276	290	933	932	5	40.0	3.04	1.09
837	Guscio fond.	290	304	934	933	5	40.0	3.04	1.09
838	Guscio fond.	304	318	935	934	5	40.0	3.04	1.09
839	Guscio fond.	318	332	936	935	5	40.0	3.04	1.09
840	Guscio fond.	332	346	937	936	5	40.0	3.04	1.09
841	Guscio fond.	346	360	938	937	5	40.0	3.04	1.09
842	Guscio fond.	360	374	939	938	5	40.0	3.04	1.09
843	Guscio fond.	374	11	912	939	5	40.0	3.04	1.09
844	Guscio fond.	11	400	940	912	5	40.0	3.04	1.09
845	Guscio fond.	400	414	941	940	5	40.0	3.04	1.09
846	Guscio fond.	414	428	942	941	5	40.0	3.04	1.09
847	Guscio fond.	428	442	943	942	5	40.0	3.04	1.09
848	Guscio fond.	442	456	944	943	5	40.0	3.04	1.09
849	Guscio fond.	456	470	945	944	5	40.0	3.04	1.09



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850	Guscio fond.	470	484	946	945	5	40.0	3.04	1.09
851	Guscio fond.	484	498	947	946	5	40.0	3.04	1.09
852	Guscio fond.	498	512	948	947	5	40.0	3.04	1.09
853	Guscio fond.	512	13	913	948	5	40.0	3.04	1.09
854	Guscio fond.	527	706	961	949	5	40.0	3.04	1.09
855	Guscio fond.	13	552	950	913	5	40.0	3.04	1.09
856	Guscio fond.	552	566	951	950	5	40.0	3.04	1.09
857	Guscio fond.	566	580	952	951	5	40.0	3.04	1.09
858	Guscio fond.	580	594	953	952	5	40.0	3.04	1.09
859	Guscio fond.	594	608	954	953	5	40.0	3.04	1.09
860	Guscio fond.	608	622	955	954	5	40.0	3.04	1.09
861	Guscio fond.	622	636	956	955	5	40.0	3.04	1.09
862	Guscio fond.	636	650	957	956	5	40.0	3.04	1.09
863	Guscio fond.	650	664	958	957	5	40.0	3.04	1.09
864	Guscio fond.	664	678	959	958	5	40.0	3.04	1.09
865	Guscio fond.	678	692	960	959	5	40.0	3.04	1.09
866	Guscio fond.	692	15	914	960	5	40.0	3.04	1.09
867	Guscio fond.	706	27	916	961	5	40.0	3.04	1.09
868	Guscio fond.	15	732	962	914	5	40.0	3.04	1.09
869	Guscio fond.	732	746	963	962	5	40.0	3.04	1.09
870	Guscio fond.	746	760	964	963	5	40.0	3.04	1.09
871	Guscio fond.	760	774	965	964	5	40.0	3.04	1.09
872	Guscio fond.	774	788	966	965	5	40.0	3.04	1.09
873	Guscio fond.	788	802	967	966	5	40.0	3.04	1.09
874	Guscio fond.	802	816	968	967	5	40.0	3.04	1.09
875	Guscio fond.	816	830	969	968	5	40.0	3.04	1.09
876	Guscio fond.	830	17	915	969	5	40.0	3.04	1.09
877	Guscio fond.	17	856	970	915	5	40.0	3.04	1.09
878	Guscio fond.	856	870	971	970	5	40.0	3.04	1.09
879	Guscio fond.	870	884	972	971	5	40.0	3.04	1.09
880	Guscio fond.	884	898	973	972	5	40.0	3.04	1.09
881	Guscio fond.	166	910	974	925	5	40.0	3.04	1.09
882	Guscio fond.	910	193	926	974	5	40.0	3.04	1.09
883	Guscio fond.	975	982	29	1	5	40.0	3.04	1.09
884	Guscio fond.	982	983	55	29	5	40.0	3.04	1.09
885	Guscio fond.	983	984	69	55	5	40.0	3.04	1.09
886	Guscio fond.	984	985	83	69	5	40.0	3.04	1.09
887	Guscio fond.	985	986	97	83	5	40.0	3.04	1.09
888	Guscio fond.	986	987	111	97	5	40.0	3.04	1.09
889	Guscio fond.	987	988	125	111	5	40.0	3.04	1.09
890	Guscio fond.	988	989	139	125	5	40.0	3.04	1.09
891	Guscio fond.	989	990	153	139	5	40.0	3.04	1.09
892	Guscio fond.	990	991	167	153	5	40.0	3.04	1.09
893	Guscio fond.	991	992	180	167	5	40.0	3.04	1.09
894	Guscio fond.	992	979	22	180	5	40.0	3.04	1.09
895	Guscio fond.	979	993	207	22	5	40.0	3.04	1.09
896	Guscio fond.	993	994	221	207	5	40.0	3.04	1.09
897	Guscio fond.	994	995	235	221	5	40.0	3.04	1.09
898	Guscio fond.	995	996	249	235	5	40.0	3.04	1.09
899	Guscio fond.	996	997	263	249	5	40.0	3.04	1.09
900	Guscio fond.	997	998	277	263	5	40.0	3.04	1.09
901	Guscio fond.	998	999	291	277	5	40.0	3.04	1.09
902	Guscio fond.	999	1000	305	291	5	40.0	3.04	1.09
903	Guscio fond.	1000	1001	319	305	5	40.0	3.04	1.09
904	Guscio fond.	1001	1002	333	319	5	40.0	3.04	1.09
905	Guscio fond.	1002	1003	347	333	5	40.0	3.04	1.09
906	Guscio fond.	1003	1004	361	347	5	40.0	3.04	1.09
907	Guscio fond.	1004	978	21	361	5	40.0	3.04	1.09
908	Guscio fond.	978	1005	387	21	5	40.0	3.04	1.09
909	Guscio fond.	1005	1006	401	387	5	40.0	3.04	1.09
910	Guscio fond.	1006	1007	415	401	5	40.0	3.04	1.09
911	Guscio fond.	1007	1008	429	415	5	40.0	3.04	1.09
912	Guscio fond.	1008	1009	443	429	5	40.0	3.04	1.09
913	Guscio fond.	1009	1010	457	443	5	40.0	3.04	1.09
914	Guscio fond.	1010	1011	471	457	5	40.0	3.04	1.09
915	Guscio fond.	1011	1012	485	471	5	40.0	3.04	1.09
916	Guscio fond.	1012	1013	499	485	5	40.0	3.04	1.09
917	Guscio fond.	1013	980	23	499	5	40.0	3.04	1.09
918	Guscio fond.	1038	1014	528	899	5	40.0	3.04	1.09
919	Guscio fond.	980	1015	539	23	5	40.0	3.04	1.09
920	Guscio fond.	1015	1016	553	539	5	40.0	3.04	1.09
921	Guscio fond.	1016	1017	567	553	5	40.0	3.04	1.09
922	Guscio fond.	1017	1018	581	567	5	40.0	3.04	1.09
923	Guscio fond.	1018	1019	595	581	5	40.0	3.04	1.09
924	Guscio fond.	1019	1020	609	595	5	40.0	3.04	1.09
925	Guscio fond.	1020	1021	623	609	5	40.0	3.04	1.09



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926	Guscio fond.	1021	1022	637	623	5	40.0	3.04	1.09
927	Guscio fond.	1022	1023	651	637	5	40.0	3.04	1.09
928	Guscio fond.	1023	1024	665	651	5	40.0	3.04	1.09
929	Guscio fond.	1024	1025	679	665	5	40.0	3.04	1.09
930	Guscio fond.	1025	977	12	679	5	40.0	3.04	1.09
931	Guscio fond.	1014	981	25	528	5	40.0	3.04	1.09
932	Guscio fond.	977	1026	719	12	5	40.0	3.04	1.09
933	Guscio fond.	1026	1027	733	719	5	40.0	3.04	1.09
934	Guscio fond.	1027	1028	747	733	5	40.0	3.04	1.09
935	Guscio fond.	1028	1029	761	747	5	40.0	3.04	1.09
936	Guscio fond.	1029	1030	775	761	5	40.0	3.04	1.09
937	Guscio fond.	1030	1031	789	775	5	40.0	3.04	1.09
938	Guscio fond.	1031	1032	803	789	5	40.0	3.04	1.09
939	Guscio fond.	1032	1033	817	803	5	40.0	3.04	1.09
940	Guscio fond.	1033	976	9	817	5	40.0	3.04	1.09
941	Guscio fond.	976	1034	843	9	5	40.0	3.04	1.09
942	Guscio fond.	1034	1035	857	843	5	40.0	3.04	1.09
943	Guscio fond.	1035	1036	871	857	5	40.0	3.04	1.09
944	Guscio fond.	1036	1037	885	871	5	40.0	3.04	1.09
945	Guscio fond.	1037	1038	899	885	5	40.0	3.04	1.09
946	Guscio fond.	1039	1	31	1041	5	40.0	3.04	1.09
947	Guscio fond.	1041	31	33	1042	5	40.0	3.04	1.09
948	Guscio fond.	1042	33	35	1043	5	40.0	3.04	1.09
949	Guscio fond.	1043	35	37	1044	5	40.0	3.04	1.09
950	Guscio fond.	1044	37	39	1045	5	40.0	3.04	1.09
951	Guscio fond.	1045	39	41	1046	5	40.0	3.04	1.09
952	Guscio fond.	1046	41	43	1047	5	40.0	3.04	1.09
953	Guscio fond.	1047	43	45	1048	5	40.0	3.04	1.09
954	Guscio fond.	1048	45	47	1049	5	40.0	3.04	1.09
955	Guscio fond.	1049	47	49	1050	5	40.0	3.04	1.09
956	Guscio fond.	1050	49	51	1051	5	40.0	3.04	1.09
957	Guscio fond.	1051	51	53	1052	5	40.0	3.04	1.09
958	Guscio fond.	1052	53	3	1040	5	40.0	3.04	1.09
959	Guscio fond.	1040	3	911	1053	5	40.0	3.04	1.09
960	Guscio fond.	1054	975	1	1039	5	40.0	3.04	1.09
961	Guscio fond.	25	1055	1057	707	5	40.0	3.04	1.09
962	Guscio fond.	707	1057	1058	708	5	40.0	3.04	1.09
963	Guscio fond.	708	1058	1059	709	5	40.0	3.04	1.09
964	Guscio fond.	709	1059	1060	710	5	40.0	3.04	1.09
965	Guscio fond.	710	1060	1061	711	5	40.0	3.04	1.09
966	Guscio fond.	711	1061	1062	712	5	40.0	3.04	1.09
967	Guscio fond.	712	1062	1063	713	5	40.0	3.04	1.09
968	Guscio fond.	713	1063	1064	714	5	40.0	3.04	1.09
969	Guscio fond.	714	1064	1065	715	5	40.0	3.04	1.09
970	Guscio fond.	715	1065	1066	716	5	40.0	3.04	1.09
971	Guscio fond.	716	1066	1067	717	5	40.0	3.04	1.09
972	Guscio fond.	717	1067	1068	718	5	40.0	3.04	1.09
973	Guscio fond.	205	219	220	206	5	40.0	3.04	1.09
974	Guscio fond.	193	206	1070	926	5	40.0	3.04	1.09
975	Guscio fond.	206	220	928	1070	5	40.0	3.04	1.09
976	Guscio fond.	1068	1093	1081	1056	5	40.0	3.04	1.09
977	Guscio fond.	927	1079	1080	1055	5	40.0	3.04	1.09
978	Guscio fond.	1056	1081	1094	1069	5	40.0	3.04	1.09
979	Guscio fond.	1055	1080	1082	1057	5	40.0	3.04	1.09
980	Guscio fond.	1057	1082	1083	1058	5	40.0	3.04	1.09
981	Guscio fond.	1058	1083	1084	1059	5	40.0	3.04	1.09
982	Guscio fond.	1059	1084	1085	1060	5	40.0	3.04	1.09
983	Guscio fond.	1060	1085	1086	1061	5	40.0	3.04	1.09
984	Guscio fond.	1061	1086	1087	1062	5	40.0	3.04	1.09
985	Guscio fond.	1062	1087	1088	1063	5	40.0	3.04	1.09
986	Guscio fond.	1063	1088	1089	1064	5	40.0	3.04	1.09
987	Guscio fond.	1064	1089	1090	1065	5	40.0	3.04	1.09
988	Guscio fond.	1065	1090	1091	1066	5	40.0	3.04	1.09
989	Guscio fond.	1066	1091	1092	1067	5	40.0	3.04	1.09
990	Guscio fond.	1067	1092	1093	1068	5	40.0	3.04	1.09
991	Guscio fond.	1093	1109	1097	1081	5	40.0	3.04	1.09
992	Guscio fond.	1079	1095	1096	1080	5	40.0	3.04	1.09
993	Guscio fond.	1081	1097	1110	1094	5	40.0	3.04	1.09
994	Guscio fond.	1080	1096	1098	1082	5	40.0	3.04	1.09
995	Guscio fond.	1082	1098	1099	1083	5	40.0	3.04	1.09
996	Guscio fond.	1083	1099	1100	1084	5	40.0	3.04	1.09
997	Guscio fond.	1084	1100	1101	1085	5	40.0	3.04	1.09
998	Guscio fond.	1085	1101	1102	1086	5	40.0	3.04	1.09
999	Guscio fond.	1086	1102	1103	1087	5	40.0	3.04	1.09
1000	Guscio fond.	1087	1103	1104	1088	5	40.0	3.04	1.09
1001	Guscio fond.	1088	1104	1105	1089	5	40.0	3.04	1.09



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1002	Guscio fond.	1089	1105	1106	1090	5	40.0	3.04	1.09
1003	Guscio fond.	1090	1106	1107	1091	5	40.0	3.04	1.09
1004	Guscio fond.	1091	1107	1108	1092	5	40.0	3.04	1.09
1005	Guscio fond.	1092	1108	1109	1093	5	40.0	3.04	1.09
1006	Guscio fond.	1109	1125	1113	1097	5	40.0	3.04	1.09
1007	Guscio fond.	1095	1111	1112	1096	5	40.0	3.04	1.09
1008	Guscio fond.	1097	1113	1126	1110	5	40.0	3.04	1.09
1009	Guscio fond.	1096	1112	1114	1098	5	40.0	3.04	1.09
1010	Guscio fond.	1098	1114	1115	1099	5	40.0	3.04	1.09
1011	Guscio fond.	1099	1115	1116	1100	5	40.0	3.04	1.09
1012	Guscio fond.	1100	1116	1117	1101	5	40.0	3.04	1.09
1013	Guscio fond.	1101	1117	1118	1102	5	40.0	3.04	1.09
1014	Guscio fond.	1102	1118	1119	1103	5	40.0	3.04	1.09
1015	Guscio fond.	1103	1119	1120	1104	5	40.0	3.04	1.09
1016	Guscio fond.	1104	1120	1121	1105	5	40.0	3.04	1.09
1017	Guscio fond.	1105	1121	1122	1106	5	40.0	3.04	1.09
1018	Guscio fond.	1106	1122	1123	1107	5	40.0	3.04	1.09
1019	Guscio fond.	1107	1123	1124	1108	5	40.0	3.04	1.09
1020	Guscio fond.	1108	1124	1125	1109	5	40.0	3.04	1.09
1021	Guscio fond.	1125	1141	1129	1113	5	40.0	3.04	1.09
1022	Guscio fond.	1111	1127	1128	1112	5	40.0	3.04	1.09
1023	Guscio fond.	1113	1129	1142	1126	5	40.0	3.04	1.09
1024	Guscio fond.	1112	1128	1130	1114	5	40.0	3.04	1.09
1025	Guscio fond.	1114	1130	1131	1115	5	40.0	3.04	1.09
1026	Guscio fond.	1115	1131	1132	1116	5	40.0	3.04	1.09
1027	Guscio fond.	1116	1132	1133	1117	5	40.0	3.04	1.09
1028	Guscio fond.	1117	1133	1134	1118	5	40.0	3.04	1.09
1029	Guscio fond.	1118	1134	1135	1119	5	40.0	3.04	1.09
1030	Guscio fond.	1119	1135	1136	1120	5	40.0	3.04	1.09
1031	Guscio fond.	1120	1136	1137	1121	5	40.0	3.04	1.09
1032	Guscio fond.	1121	1137	1138	1122	5	40.0	3.04	1.09
1033	Guscio fond.	1122	1138	1139	1123	5	40.0	3.04	1.09
1034	Guscio fond.	1123	1139	1140	1124	5	40.0	3.04	1.09
1035	Guscio fond.	1124	1140	1141	1125	5	40.0	3.04	1.09
1036	Guscio fond.	1141	1157	1145	1129	5	40.0	3.04	1.09
1037	Guscio fond.	1127	1143	1144	1128	5	40.0	3.04	1.09
1038	Guscio fond.	1129	1145	1158	1142	5	40.0	3.04	1.09
1039	Guscio fond.	1128	1144	1146	1130	5	40.0	3.04	1.09
1040	Guscio fond.	1130	1146	1147	1131	5	40.0	3.04	1.09
1041	Guscio fond.	1131	1147	1148	1132	5	40.0	3.04	1.09
1042	Guscio fond.	1132	1148	1149	1133	5	40.0	3.04	1.09
1043	Guscio fond.	1133	1149	1150	1134	5	40.0	3.04	1.09
1044	Guscio fond.	1134	1150	1151	1135	5	40.0	3.04	1.09
1045	Guscio fond.	1135	1151	1152	1136	5	40.0	3.04	1.09
1046	Guscio fond.	1136	1152	1153	1137	5	40.0	3.04	1.09
1047	Guscio fond.	1137	1153	1154	1138	5	40.0	3.04	1.09
1048	Guscio fond.	1138	1154	1155	1139	5	40.0	3.04	1.09
1049	Guscio fond.	1139	1155	1156	1140	5	40.0	3.04	1.09
1050	Guscio fond.	1140	1156	1157	1141	5	40.0	3.04	1.09
1051	Guscio fond.	1157	1173	1161	1145	5	40.0	3.04	1.09
1052	Guscio fond.	1143	1159	1160	1144	5	40.0	3.04	1.09
1053	Guscio fond.	1145	1161	1174	1158	5	40.0	3.04	1.09
1054	Guscio fond.	1144	1160	1162	1146	5	40.0	3.04	1.09
1055	Guscio fond.	1146	1162	1163	1147	5	40.0	3.04	1.09
1056	Guscio fond.	1147	1163	1164	1148	5	40.0	3.04	1.09
1057	Guscio fond.	1148	1164	1165	1149	5	40.0	3.04	1.09
1058	Guscio fond.	1149	1165	1166	1150	5	40.0	3.04	1.09
1059	Guscio fond.	1150	1166	1167	1151	5	40.0	3.04	1.09
1060	Guscio fond.	1151	1167	1168	1152	5	40.0	3.04	1.09
1061	Guscio fond.	1152	1168	1169	1153	5	40.0	3.04	1.09
1062	Guscio fond.	1153	1169	1170	1154	5	40.0	3.04	1.09
1063	Guscio fond.	1154	1170	1171	1155	5	40.0	3.04	1.09
1064	Guscio fond.	1155	1171	1172	1156	5	40.0	3.04	1.09
1065	Guscio fond.	1156	1172	1173	1157	5	40.0	3.04	1.09
1066	Guscio fond.	1173	1189	1177	1161	5	40.0	3.04	1.09
1067	Guscio fond.	1159	1175	1176	1160	5	40.0	3.04	1.09
1068	Guscio fond.	1161	1177	1190	1174	5	40.0	3.04	1.09
1069	Guscio fond.	1160	1176	1178	1162	5	40.0	3.04	1.09
1070	Guscio fond.	1162	1178	1179	1163	5	40.0	3.04	1.09
1071	Guscio fond.	1163	1179	1180	1164	5	40.0	3.04	1.09
1072	Guscio fond.	1164	1180	1181	1165	5	40.0	3.04	1.09
1073	Guscio fond.	1165	1181	1182	1166	5	40.0	3.04	1.09
1074	Guscio fond.	1166	1182	1183	1167	5	40.0	3.04	1.09
1075	Guscio fond.	1167	1183	1184	1168	5	40.0	3.04	1.09
1076	Guscio fond.	1168	1184	1185	1169	5	40.0	3.04	1.09
1077	Guscio fond.	1169	1185	1186	1170	5	40.0	3.04	1.09



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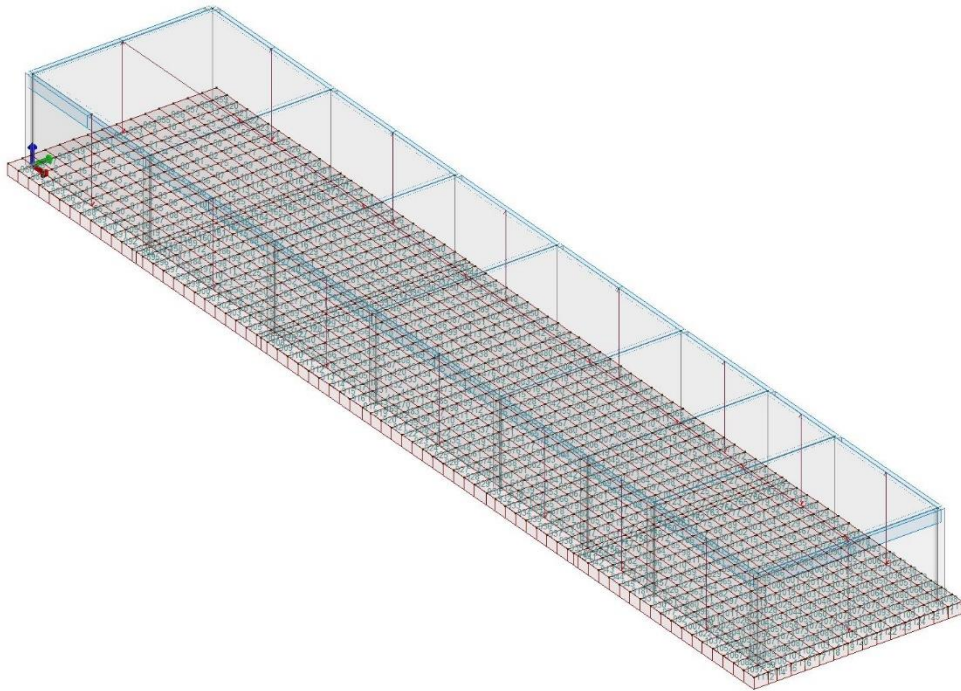
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1078	Guscio fond.	1170	1186	1187	1171	5	40.0	3.04	1.09
1079	Guscio fond.	1171	1187	1188	1172	5	40.0	3.04	1.09
1080	Guscio fond.	1172	1188	1189	1173	5	40.0	3.04	1.09
1081	Guscio fond.	1189	1205	1193	1177	5	40.0	3.04	1.09
1082	Guscio fond.	1175	1191	1192	1176	5	40.0	3.04	1.09
1083	Guscio fond.	1177	1193	1206	1190	5	40.0	3.04	1.09
1084	Guscio fond.	1176	1192	1194	1178	5	40.0	3.04	1.09
1085	Guscio fond.	1178	1194	1195	1179	5	40.0	3.04	1.09
1086	Guscio fond.	1179	1195	1196	1180	5	40.0	3.04	1.09
1087	Guscio fond.	1180	1196	1197	1181	5	40.0	3.04	1.09
1088	Guscio fond.	1181	1197	1198	1182	5	40.0	3.04	1.09
1089	Guscio fond.	1182	1198	1199	1183	5	40.0	3.04	1.09
1090	Guscio fond.	1183	1199	1200	1184	5	40.0	3.04	1.09
1091	Guscio fond.	1184	1200	1201	1185	5	40.0	3.04	1.09
1092	Guscio fond.	1185	1201	1202	1186	5	40.0	3.04	1.09
1093	Guscio fond.	1186	1202	1203	1187	5	40.0	3.04	1.09
1094	Guscio fond.	1187	1203	1204	1188	5	40.0	3.04	1.09
1095	Guscio fond.	1188	1204	1205	1189	5	40.0	3.04	1.09
1096	Guscio fond.	1205	1221	1209	1193	5	40.0	3.04	1.09
1097	Guscio fond.	1191	1207	1208	1192	5	40.0	3.04	1.09
1098	Guscio fond.	1193	1209	1222	1206	5	40.0	3.04	1.09
1099	Guscio fond.	1192	1208	1210	1194	5	40.0	3.04	1.09
1100	Guscio fond.	1194	1210	1211	1195	5	40.0	3.04	1.09
1101	Guscio fond.	1195	1211	1212	1196	5	40.0	3.04	1.09
1102	Guscio fond.	1196	1212	1213	1197	5	40.0	3.04	1.09
1103	Guscio fond.	1197	1213	1214	1198	5	40.0	3.04	1.09
1104	Guscio fond.	1198	1214	1215	1199	5	40.0	3.04	1.09
1105	Guscio fond.	1199	1215	1216	1200	5	40.0	3.04	1.09
1106	Guscio fond.	1200	1216	1217	1201	5	40.0	3.04	1.09
1107	Guscio fond.	1201	1217	1218	1202	5	40.0	3.04	1.09
1108	Guscio fond.	1202	1218	1219	1203	5	40.0	3.04	1.09
1109	Guscio fond.	1203	1219	1220	1204	5	40.0	3.04	1.09
1110	Guscio fond.	1204	1220	1221	1205	5	40.0	3.04	1.09
1111	Guscio fond.	1221	1237	1225	1209	5	40.0	3.04	1.09
1112	Guscio fond.	1207	1223	1224	1208	5	40.0	3.04	1.09
1113	Guscio fond.	1209	1225	1238	1222	5	40.0	3.04	1.09
1114	Guscio fond.	1208	1224	1226	1210	5	40.0	3.04	1.09
1115	Guscio fond.	1210	1226	1227	1211	5	40.0	3.04	1.09
1116	Guscio fond.	1211	1227	1228	1212	5	40.0	3.04	1.09
1117	Guscio fond.	1212	1228	1229	1213	5	40.0	3.04	1.09
1118	Guscio fond.	1213	1229	1230	1214	5	40.0	3.04	1.09
1119	Guscio fond.	1214	1230	1231	1215	5	40.0	3.04	1.09
1120	Guscio fond.	1215	1231	1232	1216	5	40.0	3.04	1.09
1121	Guscio fond.	1216	1232	1233	1217	5	40.0	3.04	1.09
1122	Guscio fond.	1217	1233	1234	1218	5	40.0	3.04	1.09
1123	Guscio fond.	1218	1234	1235	1219	5	40.0	3.04	1.09
1124	Guscio fond.	1219	1235	1236	1220	5	40.0	3.04	1.09
1125	Guscio fond.	1220	1236	1237	1221	5	40.0	3.04	1.09



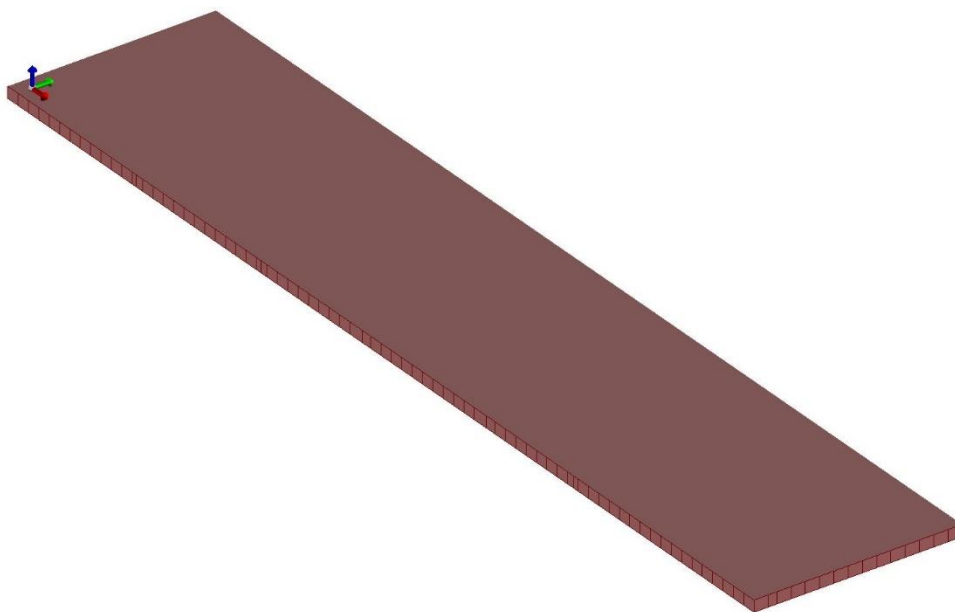
MODELLO



01_Edificio SSE_MACOMER 2

16_MOD_NUMERAZIONE_D3

MODELLO



01_Edificio SSE_MACOMER 2

16_MOD_SPESSORI_D3



8. MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

8.1. LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.

Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.

L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.

I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.

L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

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

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



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Elem	numero dell'elemento
Tipo	codice di comportamento
	S elemento utilizzato solo per scarico
	C elemento utilizzato per scarico e per modellazione piano rigido
	P elemento utilizzato come pannello
	M scarico monodirezionale
	B scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

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

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce istantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave



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AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
simboli utilizzati con il metodo delle tensioni ammissibili:	
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
simboli utilizzati con il metodo degli stati limite:	
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto Sd/Su con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).

Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una



verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.

Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

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

Utilizzabile per il materiale [52].

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

Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.

(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

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

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

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:



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Test N°	Titolo
14	ANALISI DEI CARICHI PER UN SOLAIO DI COPERTURA
15	EFFETTI DELLO SPESSORE SULLA RIGIDEZZA DEI SOLAI
16	SOLAIO: CONFRONTO FRA RIGIDO E DEFORMABILE
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
28	FRECCIA DI SOLAI IN C.A.
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

ID Arch.	Tipo	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
1	Neve	2.87e-02	3.60e-04	9.70e-03		1.00	0.50	0.20	0.0	0.0	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	SM	1	m=5	1.0	0.0	2.87e-02	3.60e-04	9.70e-03	20	6	4	2	
2	SM	1	m=5	1.0	0.0	2.87e-02	3.60e-04	9.70e-03	5	10	6	20	
3	SM	1	m=5	1.0	0.0	2.87e-02	3.60e-04	9.70e-03	8	14	10	5	
4	SM	1	m=5	1.0	0.0	2.87e-02	3.60e-04	9.70e-03	7	16	14	8	
5	SM	1	m=5	1.0	0.0	2.87e-02	3.60e-04	9.70e-03	19	18	16	7	
6	SM	1	m=5	1.0	0.0	2.87e-02	3.60e-04	9.70e-03	26	28	18	19	
7	SM	1	m=5	1.0	0.0	2.87e-02	3.60e-04	9.70e-03	1240	28	26	1239	
8	PM		m=25	1.0	90.0				1	3	4	2	
9	PM		m=25	1.0	90.0				20	22	1	2	
10	PM		m=25	1.0	90.0				22	20	5	21	
11	PM		m=25	1.0	90.0				23	21	5	8	
12	PM		m=25	1.0	90.0				12	23	8	7	
13	PM		m=25	1.0	90.0				1240	1239	1208	1209	
14	PM		m=25	1.0	90.0				25	9	19	26	
15	PM		m=25	1.0	90.0				9	12	7	19	
16	PM		m=25	1.0	90.0				10	14	13	11	
17	PM		m=25	1.0	90.0				14	16	15	13	
18	PM		m=25	1.0	90.0				16	18	17	15	
19	PM		m=25	1.0	90.0				18	28	27	17	
20	PM		m=25	1.0	90.0				6	10	11	206	
21	PM		m=25	1.0	90.0				28	1240	1209	27	
22	PM		m=25	1.0	90.0				26	1239	1208	25	
23	PM		m=25	1.0	90.0				206	3	4	6	

Elem.	Stato	Ver. c.c.	Ver. c.d.	Ver. cin.	Ver. CIS	Z cm	T1 sec	Ta sec	Sa g	pa daN/cm2	pr daN/cm2	Drift %	Beta a
8	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.10	0.0
9	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
10	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
11	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
12	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
13	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.10	0.0
14	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.14	0.0
15	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
16	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
17	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
18	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
19	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.14	0.0
20	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
21	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
22	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0
23	NV L	5.44	2.72	3.20	0.0	150.0	0.24	0.744	0.073.2346e-05	0.0	0.0	0.15	0.0



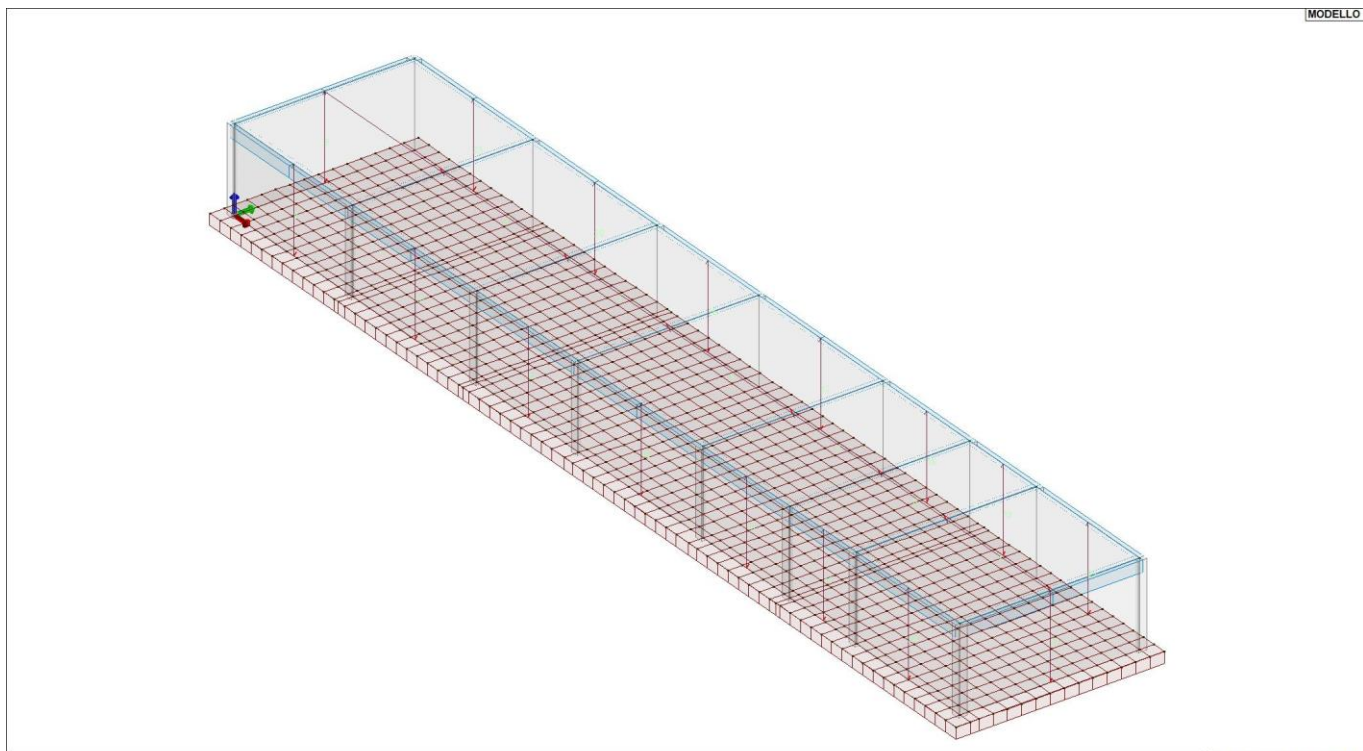
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Elem.	Ver. c.c.	Ver. c.d.	Ver. cin.	Ver. CIS	Drift
	5.44	2.72	3.20	0.0	0.10
	5.44	2.72	3.20	0.0	0.15



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17_MOD_NUMERAZIONE_SOLAI



9. MODELLAZIONE DELLE AZIONI

9.1. LEGENDA TABELLA DATI AZIONI

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

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , 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



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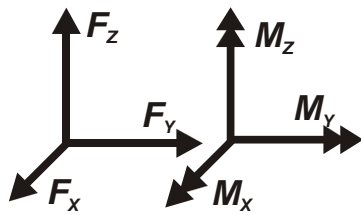
1 dato descrizione della tipologia

4 dati per segmento (posizione, valore, posizione, valore)

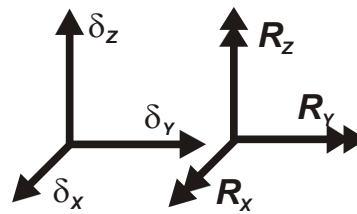
la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave

12 gruppo di carichi con impronta su piastra

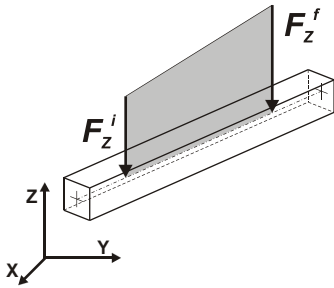
9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)



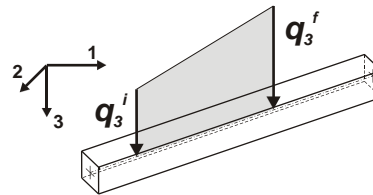
Carico concentrato nodale



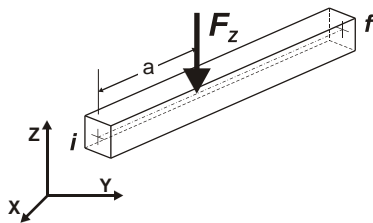
Spostamento impresso



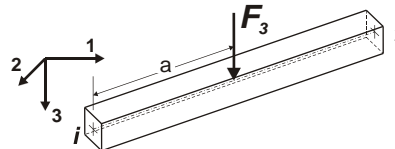
Carico distribuito globale



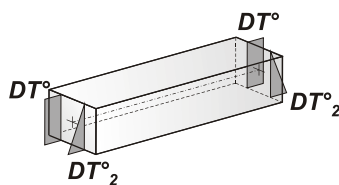
Carico distribuito locale



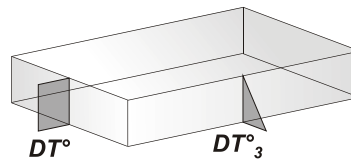
Carico concentrato globale



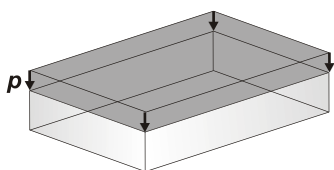
Carico concentrato locale



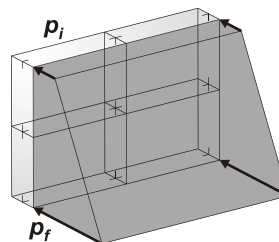
Carico termico 2D



Carico termico 3D



Carico pressione uniforme



Carico pressione variabile



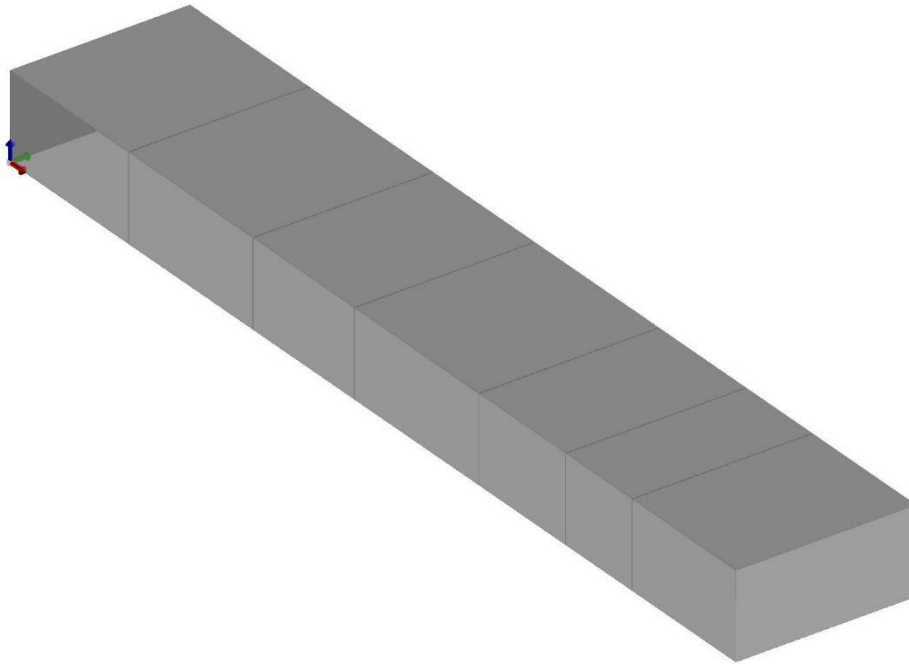
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MODELLO



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21_CAR_CARICHI_SOLAI



10. SCHEMATIZZAZIONE DEI CASI DI CARICO

10.1. LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

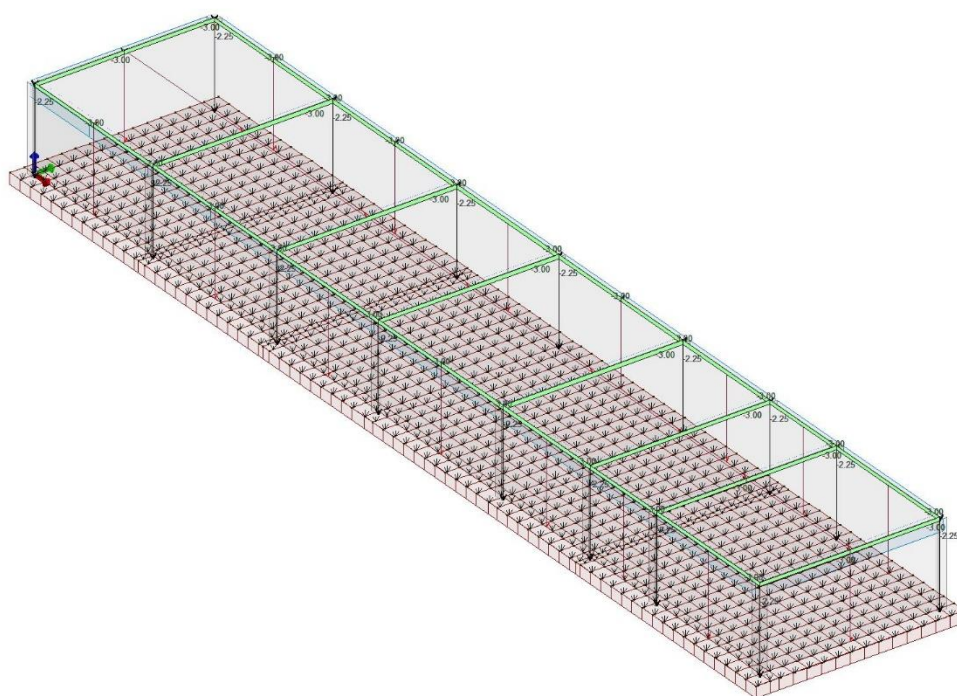
Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Gsk	CDC=G2pk (permanente pannelli n.c.d.)	
5	Qnk	CDC=Qnk (carico da neve)	
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura) partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture) partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.) partecipazione:1.00 per 4 CDC=G2pk (permanente pannelli n.c.d.) partecipazione:1.00 per 5 CDC=Qnk (carico da neve)
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico

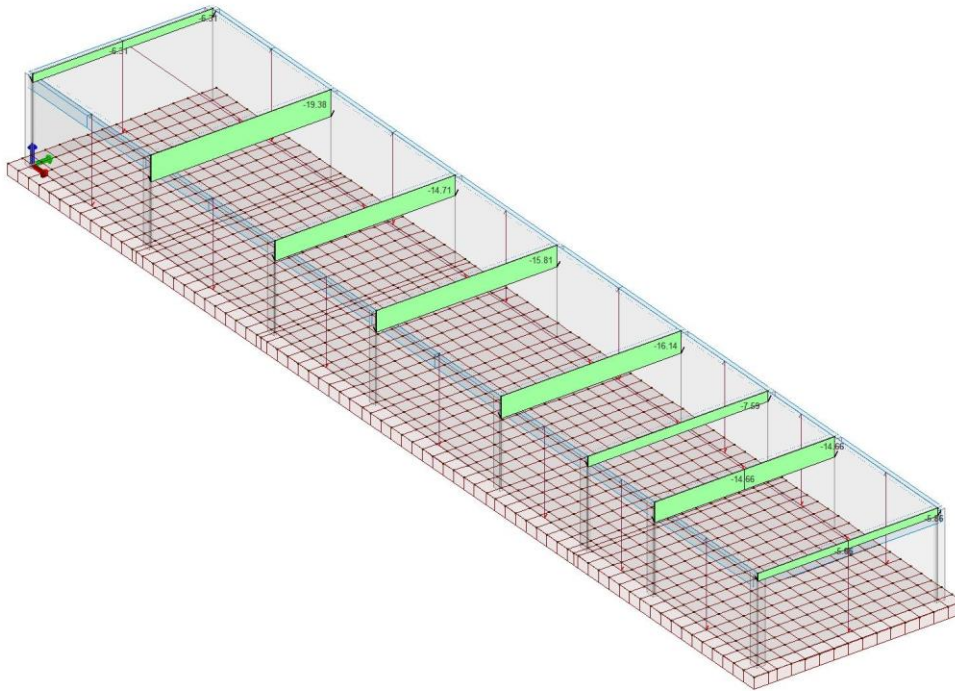
CARICHI 001) CDC=Ggk (peso proprio della struttura)



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22_CDC_001_CDC=Ggk (peso proprio della struttura)

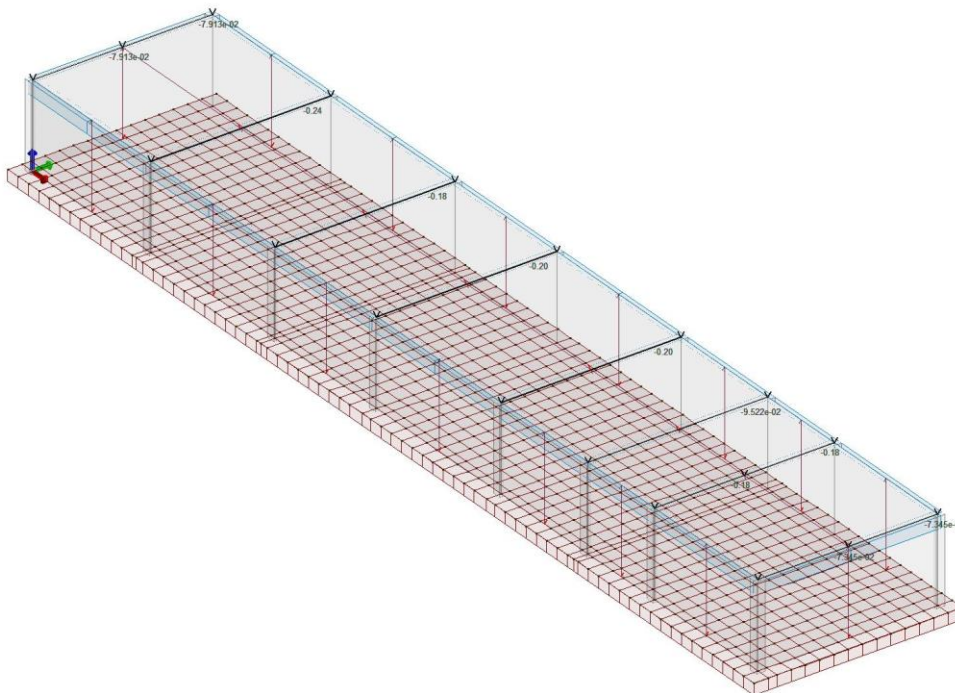
CARICHI 002) CDC=G1sk (permanente solai-coperture)



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22_CDC_002_CDC=G1sk (permanente solai-coperture)

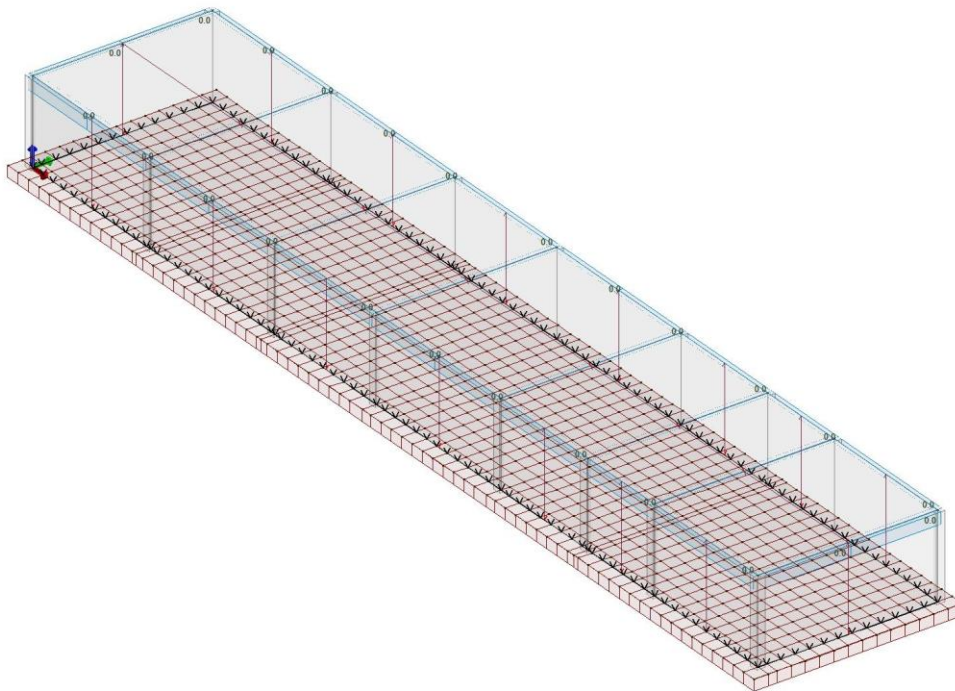
CARICHI 003) CDC=G2sk (permanente solai-coperture n.c.d.)



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22_CDC_003_CDC=G2sk (permanente solai-coperture n.c.d.)

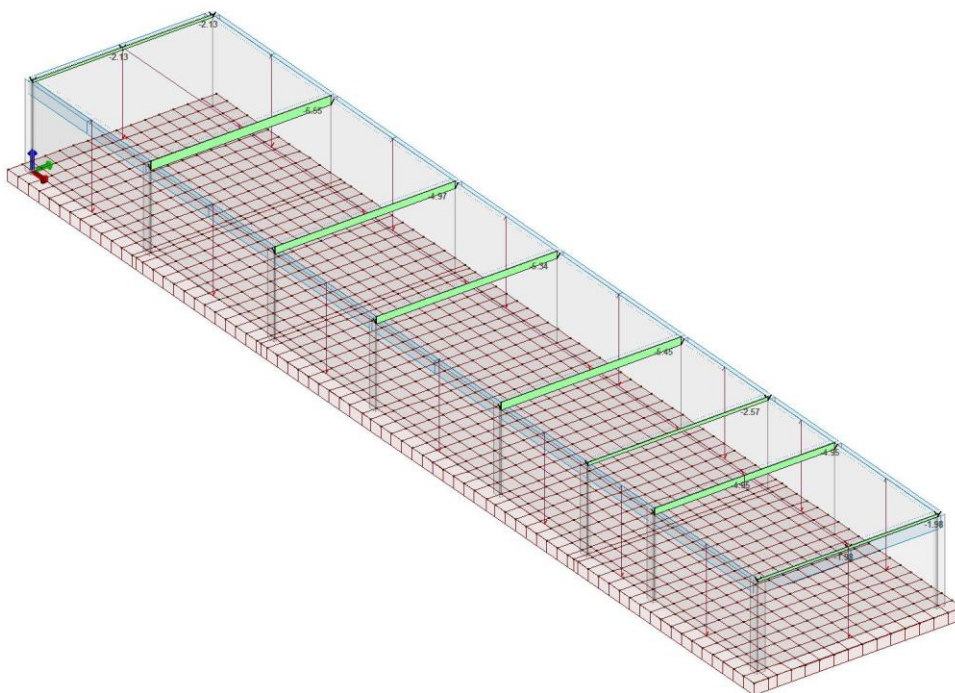
CARICHI 004) CDC=G2pk (permanente pannelli n.c.d.)



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22_CDC_004_CDC=G2pk (permanente pannelli n.c.d.)

CARICHI 005) CDC=Qnk (carico da neve)

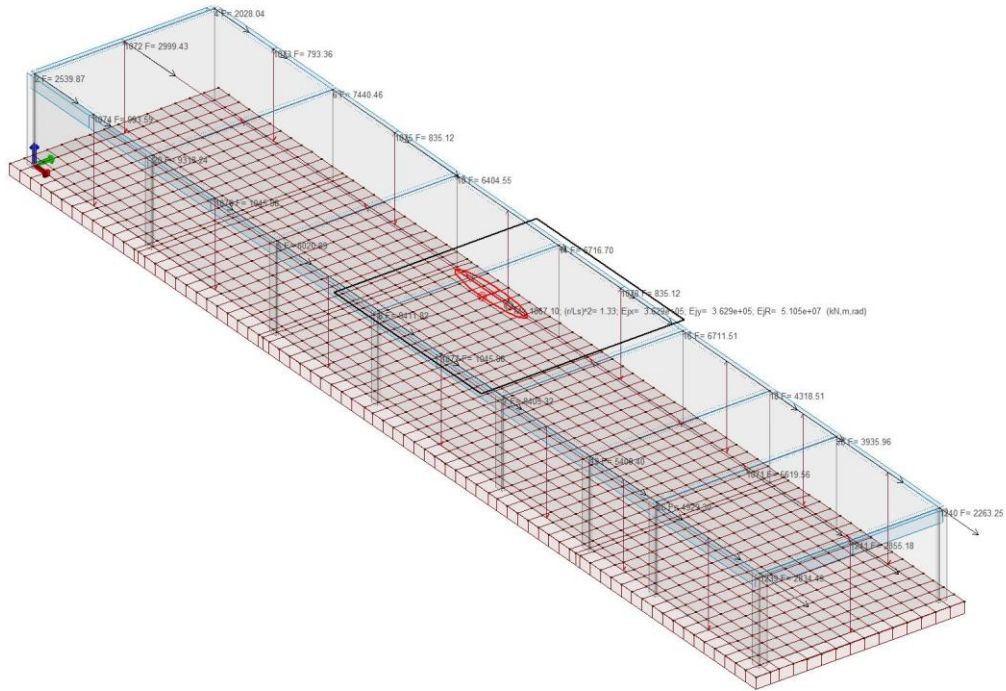


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22_CDC_005_CDC=Qnk (carico da neve)



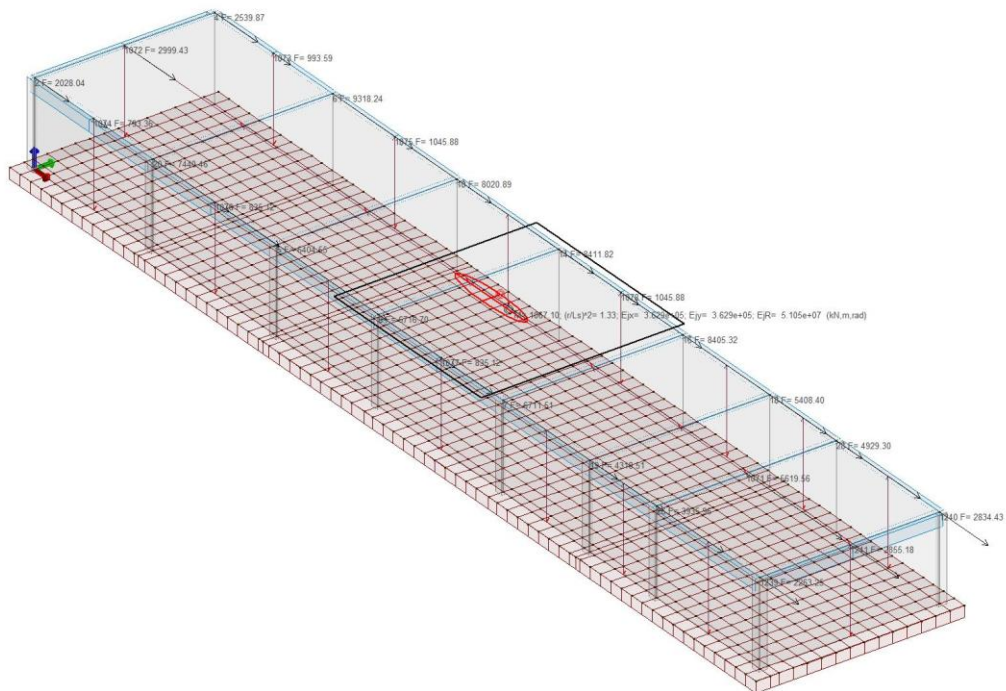
CARICHI 006) CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)



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22_CDC_006_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)

CARICHI 007) CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)

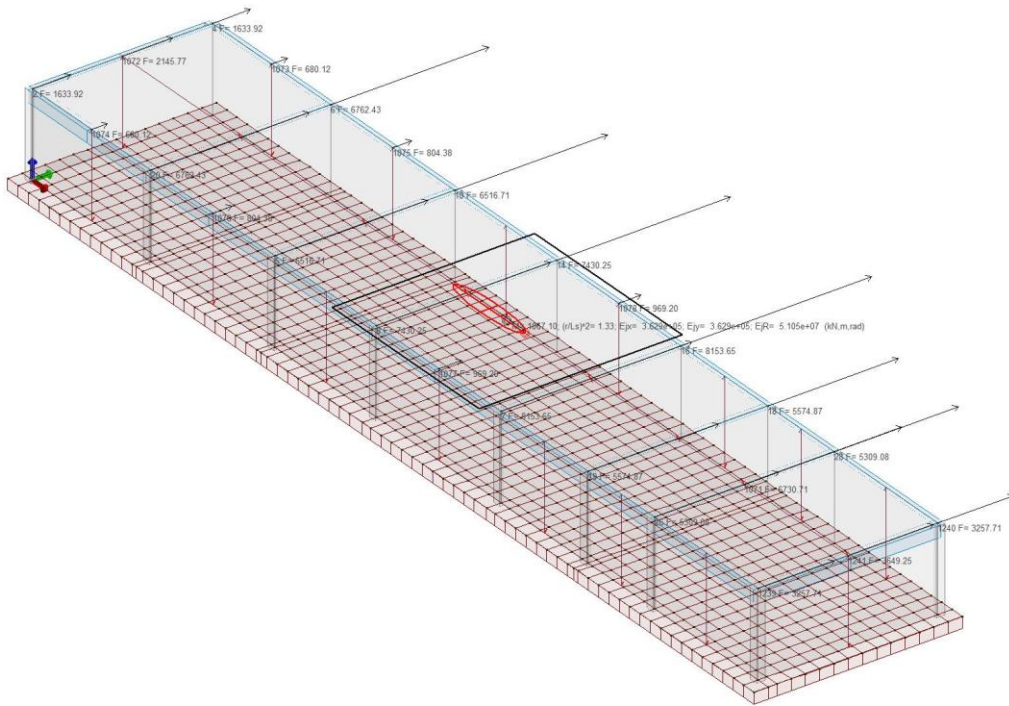


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22_CDC_007_CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)



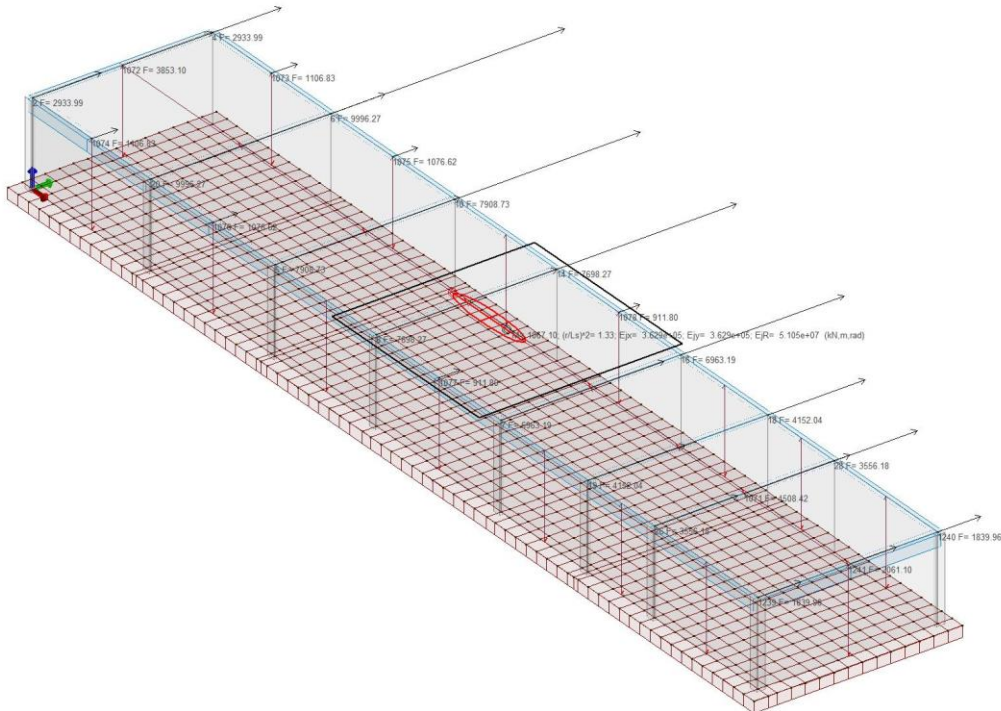
CARICHI 008 CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)



01_Edificio SSE_MACOMER 2

22_CDC_008_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)

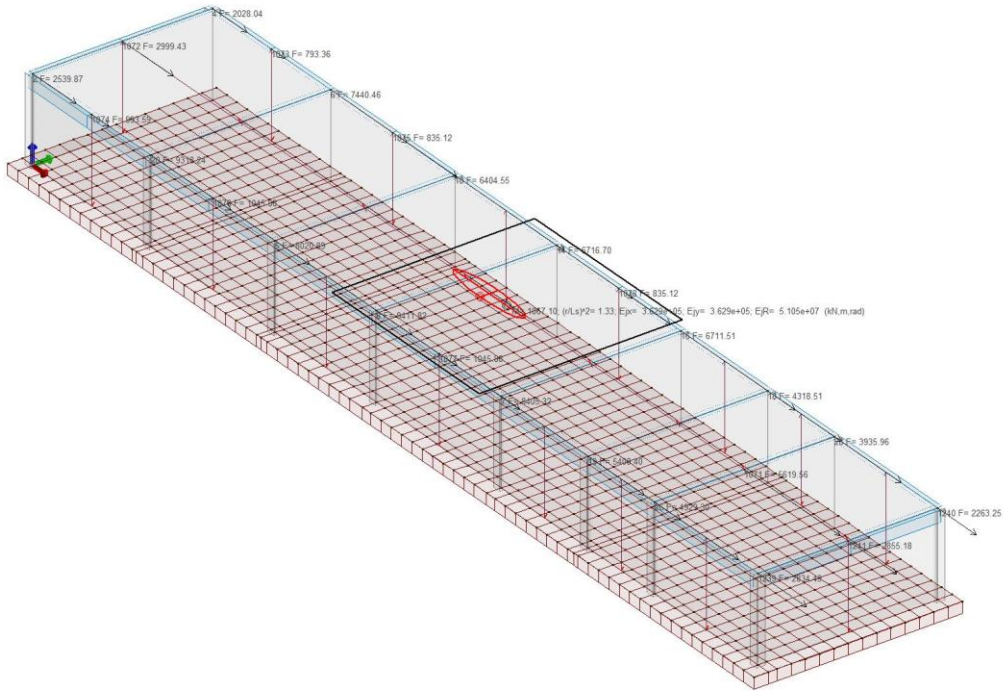
CARICHI 009 CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)



01_Edificio SSE_MACOMER 2

22_CDC_009_CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)

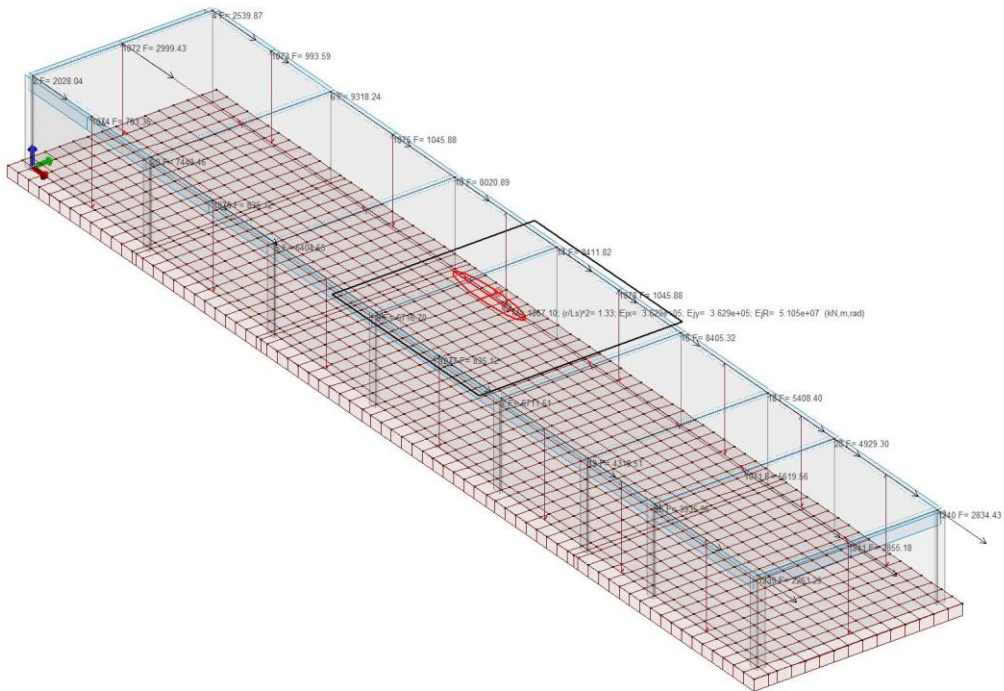
CARICHI 010) CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)



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22_CDC_010_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)

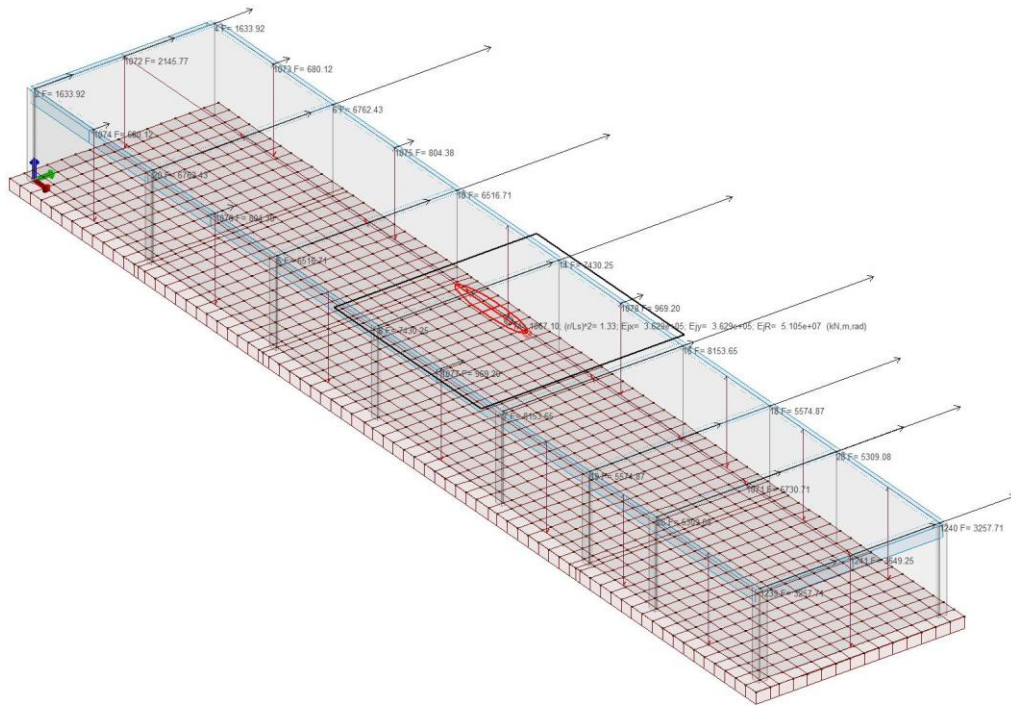
CARICHI 011) CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)



01_Edificio SSE_MACOMER 2

22_CDC_011_CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)

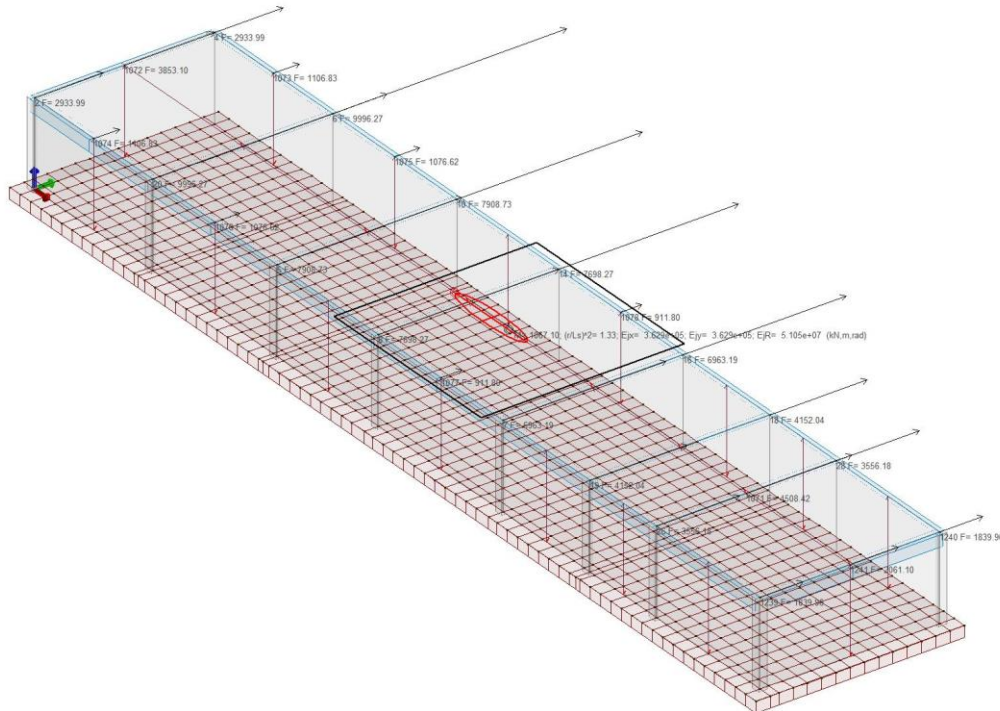
CARICHI 012) CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)



01_Edificio SSE_MACOMER 2

22_CDC_012_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)

CARICHI 013) CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)



01_Edificio SSE_MACOMER 2

22_CDC_013_CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)



11. DEFINIZIONE DELLE COMBINAZIONI

11.1. LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.

Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

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

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

Combinazione fondamentale SLU

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

Combinazione caratteristica (rara) SLE

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

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	$\psi 0$	$\psi 1$	$\psi 2$
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 $\leq 30kN$)	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	EQU	A1	A2
		γ_f			
Carichi permanenti	Favorevoli	γ_{G1}	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	γ_{G2}	0,8	0,8	0,8
	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γ_{Qi}	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	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	
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	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	



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Cmb	Tipo	Sigla Id	effetto P-delta
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLD(sis)	Comb. SLE (SLD Danno sism.) 37	
38	SLD(sis)	Comb. SLE (SLD Danno sism.) 38	
39	SLD(sis)	Comb. SLE (SLD Danno sism.) 39	
40	SLD(sis)	Comb. SLE (SLD Danno sism.) 40	
41	SLD(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLE(r)	Comb. SLE(rara) 69	
70	SLE(r)	Comb. SLE(rara) 70	
71	SLE(f)	Comb. SLE(freq.) 71	
72	SLE(f)	Comb. SLE(freq.) 72	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1.30	1.30	1.50	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1.00	1.00	0.80	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	1.00	1.00	0.80	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
6	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
7	1.00	1.00	1.00	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
8	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
9	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
10	1.00	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
11	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
12	1.00	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
13	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
14	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0
15	1.00	1.00	1.00	1.00	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
16	1.00	1.00	1.00	1.00	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0
17	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
18	1.00	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
19	1.00	1.00	1.00	1.00	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
20	1.00	1.00	1.00	1.00	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
21	1.00	1.00	1.00	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.0



12. AZIONE SISMICA

12.1. VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento V_r 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 V_r e la probabilità di superamento P_{ver} associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno T_r 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;

12.1.1. Parametri della struttura					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
IV	50.0	2.0	100.0	B	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 $S = S_s * S_t$ (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.	8.779	40.265	

SL	P _{ver}	T _r	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	60.0	0.025	2.680	0.300
SLD	63.0	101.0	0.031	2.730	0.310
SLV	10.0	949.0	0.060	2.970	0.370
SLC	5.0	1950.0	0.071	3.060	0.390



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SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.025	1.200	2.680	0.577	0.140	0.420	1.702
SLD	0.031	1.200	2.730	0.653	0.144	0.431	1.726
SLV	0.060	1.200	2.970	0.981	0.166	0.497	1.840
SLC	0.071	1.200	3.060	1.098	0.173	0.518	1.883



13. RISULTATI ANALISI SISMICHE

13.1. LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- 9. Esk** caso di carico sismico con analisi statica equivalente
- 10. Edk** caso di carico sismico con analisi dinamica

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

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

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
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	Valore dell' ordinata dello spettro in uso nel tratto costante



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spettro S (Tb-Tc)	
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 rigidità, rapporto r/L_s (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 rigidità, rapporto r/L_s (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 η_T (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \eta_T/h$ 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 η_T , η_P e η_D degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità $1000 \cdot \eta_T/h$ 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 A_2 , 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 A_r (per dispositivi circolari)
V	Azione verticale agente



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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' elastomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig s} < f_{yk}$
- 3) $\text{Gam t} < 5$
- 4) $\text{Gam s} < \text{Gam}^*$ (caratteristica dell' elastomero)
- 5) $\text{Gam s} < 2$
- 6) $V < 0.5 V_{cr}$

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



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Calcolo dei fattori di comportamento secondo il D.M. 17/01/2018

La costruzione, nuova, è caratterizzata da regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo
 Tipologia strutturale: strutture a telaio, a pareti accoppiate, miste
 Definizione rapporto α_w/α_1 : valore come da normativa
 Riferimento normativo α_w/α_1 : strutture a telaio di un piano
 Valore rapporto $\alpha_w/\alpha_1 = 1.100$
 Valore base fattore $q_0 = 3.000 \alpha_w/\alpha_1 = 3.300$
 Fattore pareti $k_w = 1.000$
 Fattore di regolarità $K_R = 1.0$
 Fattore dissipativo $q_D = q_0 \cdot k_w \cdot K_R = 3.300$

Fattori di comportamento utilizzati

Dissipativi

q SLU x 3.300
 q SLU y 3.300
 q SLU z 1.500

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.065 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.197 sec.
			fattore q: 3.300
			fattore per spost. mu d: 6.790
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	0.0	-31.50	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.471	0.224	0.065	4.03	3.78e-03	7.520e+04	70.5	6.52e-05	0.0	0.0	0.0
2	5.065	0.197	0.065	1.009e+05	94.5	227.28	0.2	0.17	1.63e-04	0.0	0.0
3	5.179	0.193	0.065	703.35	0.7	2.504e+04	23.5	3.37e-03	3.16e-06	0.0	0.0
4	6.380	0.157	0.065	3115.09	2.9	94.61	8.87e-02	0.02	2.31e-05	0.0	0.0
5	6.951	0.144	0.066	49.99	4.68e-02	5978.83	5.6	3.38e-04	0.0	0.0	0.0
6	9.198	0.109	0.067	2.47	2.31e-03	1.43e-03	1.34e-06	7902.70	7.4	0.0	0.0
7	9.705	0.103	0.067	1921.55	1.8	1.14	1.07e-03	1.95	1.83e-03	0.0	0.0
8	12.285	0.081	0.068	0.06	5.96e-05	0.02	1.90e-05	7589.49	7.1	0.0	0.0
9	25.751	0.039	0.070	0.05	4.97e-05	5.21e-04	0.0	8.692e+04	81.5	0.0	0.0
Risulta				1.067e+05		1.065e+05		1.024e+05			
In percentuale				99.95		99.85		95.98			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.065 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa



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CDC	Tipo	Sigla Id	Note
			periodo proprio T1: 0.197 sec.
			fattore q: 3.300
			fattore per spost. mu d: 6.793
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	0.0	31.50	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.471	0.224	0.065	4.50	4.22e-03	7.520e+04	70.5	1.78e-05	0.0	0.0	0.0
2	5.068	0.197	0.065	1.009e+05	94.6	257.91	0.2	0.18	1.67e-04	0.0	0.0
3	5.179	0.193	0.065	807.35	0.8	2.502e+04	23.4	3.73e-04	0.0	0.0	0.0
4	6.380	0.157	0.065	2955.79	2.8	81.03	7.59e-02	0.02	2.25e-05	0.0	0.0
5	6.951	0.144	0.066	42.09	3.94e-02	5989.52	5.6	1.25e-03	1.17e-06	0.0	0.0
6	9.198	0.109	0.067	2.56	2.40e-03	1.78e-03	1.66e-06	7902.58	7.4	0.0	0.0
7	9.710	0.103	0.067	1913.36	1.8	0.89	8.33e-04	2.21	2.07e-03	0.0	0.0
8	12.285	0.081	0.068	0.07	6.98e-05	0.01	1.29e-05	7589.49	7.1	0.0	0.0
9	25.751	0.039	0.070	0.05	4.82e-05	3.09e-04	0.0	8.692e+04	81.5	0.0	0.0
Risulta				1.067e+05		1.065e+05		1.024e+05			
In percentuale				99.95		99.85		95.98			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.065 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.218 sec.
			fattore q: 3.300
			fattore per spost. mu d: 6.232
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	175.00	0.0	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.577	0.218	0.065	6.49e-04	0.0	8.748e+04	82.0	1.92e-04	0.0	0.0	0.0
2	5.113	0.196	0.065	1.046e+05	98.1	0.04	3.85e-05	0.19	1.82e-04	0.0	0.0
3	5.227	0.191	0.065	0.26	2.43e-04	1.593e+04	14.9	6.41e-05	0.0	0.0	0.0
4	8.156	0.123	0.067	5.38	5.04e-03	3141.90	2.9	0.01	1.17e-05	0.0	0.0
5	8.434	0.119	0.067	1080.70	1.0	16.76	1.57e-02	0.14	1.27e-04	0.0	0.0



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Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
6	9.191	0.109	0.067	2.30	2.15e-03	0.02	1.64e-05	7885.80	7.4	0.0	0.0
7	10.870	0.092	0.068	954.97	0.9	0.14	1.32e-04	5.59	5.24e-03	0.0	0.0
8	12.281	0.081	0.068	0.35	3.27e-04	3.28e-03	3.07e-06	7581.82	7.1	0.0	0.0
9	25.746	0.039	0.070	0.05	4.49e-05	1.15e-03	1.08e-06	8.694e+04	81.5	0.0	0.0
Risulta				1.067e+05		1.066e+05		1.024e+05			
In percentuale				99.97		99.87		95.97			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.065 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.240 sec.
			fattore q: 3.300
			fattore per spost. mu d: 5.759
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	-175.00	0.0	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.163	0.240	0.065	3.40e-03	3.19e-06	6.093e+04	57.1	8.90e-06	0.0	0.0	0.0
2	4.999	0.200	0.065	0.26	2.40e-04	2.994e+04	28.1	1.88e-04	0.0	0.0	0.0
3	5.113	0.196	0.065	1.046e+05	98.0	0.06	6.03e-05	0.19	1.79e-04	0.0	0.0
4	6.470	0.155	0.065	0.02	2.16e-05	1.562e+04	14.6	1.20e-03	1.12e-06	0.0	0.0
5	8.449	0.118	0.067	1105.97	1.0	0.24	2.24e-04	0.10	9.61e-05	0.0	0.0
6	9.204	0.109	0.067	2.20	2.06e-03	1.11e-03	1.04e-06	7915.23	7.4	0.0	0.0
7	10.841	0.092	0.068	945.64	0.9	0.05	4.67e-05	9.13	8.56e-03	0.0	0.0
8	12.285	0.081	0.068	0.78	7.28e-04	7.04e-04	0.0	7579.91	7.1	0.0	0.0
9	25.750	0.039	0.070	0.04	3.63e-05	2.29e-04	0.0	8.691e+04	81.4	0.0	0.0
Risulta				1.067e+05		1.065e+05		1.024e+05			
In percentuale				99.97		99.79		95.98			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.103 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.197 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC



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Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	0.0	-31.50	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.471	0.224	0.103	4.03	3.78e-03	7.520e+04	70.5	6.52e-05	0.0	0.0	0.0
2	5.065	0.197	0.103	1.009e+05	94.5	227.28	0.2	0.17	1.63e-04	0.0	0.0
3	5.179	0.193	0.103	703.35	0.7	2.504e+04	23.5	3.37e-03	3.16e-06	0.0	0.0
4	6.380	0.157	0.103	3115.09	2.9	94.61	8.87e-02	0.02	2.31e-05	0.0	0.0
5	6.951	0.144	0.103	49.99	4.68e-02	5978.83	5.6	3.38e-04	0.0	0.0	0.0
6	9.198	0.109	0.087	2.47	2.31e-03	1.43e-03	1.34e-06	7902.70	7.4	0.0	0.0
7	9.705	0.103	0.084	1921.55	1.8	1.14	1.07e-03	1.95	1.83e-03	0.0	0.0
8	12.285	0.081	0.075	0.06	5.96e-05	0.02	1.90e-05	7589.49	7.1	0.0	0.0
9	25.751	0.039	0.055	0.05	4.97e-05	5.21e-04	0.0	8.692e+04	81.5	0.0	0.0
Risulta				1.067e+05		1.065e+05		1.024e+05			
In percentuale				99.95		99.85		95.98			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.103 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.197 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	0.0	31.50	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.471	0.224	0.103	4.50	4.22e-03	7.520e+04	70.5	1.78e-05	0.0	0.0	0.0
2	5.068	0.197	0.103	1.009e+05	94.6	257.91	0.2	0.18	1.67e-04	0.0	0.0
3	5.179	0.193	0.103	807.35	0.8	2.502e+04	23.4	3.73e-04	0.0	0.0	0.0
4	6.380	0.157	0.103	2955.79	2.8	81.03	7.59e-02	0.02	2.25e-05	0.0	0.0
5	6.951	0.144	0.103	42.09	3.94e-02	5989.52	5.6	1.25e-03	1.17e-06	0.0	0.0
6	9.198	0.109	0.087	2.56	2.40e-03	1.78e-03	1.66e-06	7902.58	7.4	0.0	0.0
7	9.710	0.103	0.084	1913.36	1.8	0.89	8.33e-04	2.21	2.07e-03	0.0	0.0
8	12.285	0.081	0.075	0.07	6.98e-05	0.01	1.29e-05	7589.49	7.1	0.0	0.0
9	25.751	0.039	0.055	0.05	4.82e-05	3.09e-04	0.0	8.692e+04	81.5	0.0	0.0
Risulta				1.067e+05		1.065e+05		1.024e+05			
In percentuale				99.95		99.85		95.98			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B



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CDC	Tipo	Sigla Id	Note
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.103 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.218 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	175.00	0.0	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.577	0.218	0.103	6.49e-04	0.0	8.748e+04	82.0	1.92e-04	0.0	0.0	0.0
2	5.113	0.196	0.103	1.046e+05	98.1	0.04	3.85e-05	0.19	1.82e-04	0.0	0.0
3	5.227	0.191	0.103	0.26	2.43e-04	1.593e+04	14.9	6.41e-05	0.0	0.0	0.0
4	8.156	0.123	0.093	5.38	5.04e-03	3141.90	2.9	0.01	1.17e-05	0.0	0.0
5	8.434	0.119	0.091	1080.70	1.0	16.76	1.57e-02	0.14	1.27e-04	0.0	0.0
6	9.191	0.109	0.087	2.30	2.15e-03	0.02	1.64e-05	7885.80	7.4	0.0	0.0
7	10.870	0.092	0.079	954.97	0.9	0.14	1.32e-04	5.59	5.24e-03	0.0	0.0
8	12.281	0.081	0.075	0.35	3.27e-04	3.28e-03	3.07e-06	7581.82	7.1	0.0	0.0
9	25.746	0.039	0.055	0.05	4.49e-05	1.15e-03	1.08e-06	8.694e+04	81.5	0.0	0.0
Risulta				1.067e+05		1.066e+05		1.024e+05			
In percentuale				99.97		99.87		95.97			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.103 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.240 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	cm	cm	cm	cm	cm	cm			
300.00	1.067e+05	1770.19	314.99	-175.00	0.0	1855.00	314.99	1.335	0.072	0.0
Risulta	1.067e+05									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	4.163	0.240	0.103	3.40e-03	3.19e-06	6.093e+04	57.1	8.90e-06	0.0	0.0	0.0
2	4.999	0.200	0.103	0.26	2.40e-04	2.994e+04	28.1	1.88e-04	0.0	0.0	0.0
3	5.113	0.196	0.103	1.046e+05	98.0	0.06	6.03e-05	0.19	1.79e-04	0.0	0.0
4	6.470	0.155	0.103	0.02	2.16e-05	1.562e+04	14.6	1.20e-03	1.12e-06	0.0	0.0
5	8.449	0.118	0.091	1105.97	1.0	0.24	2.24e-04	0.10	9.61e-05	0.0	0.0
6	9.204	0.109	0.087	2.20	2.06e-03	1.11e-03	1.04e-06	7915.23	7.4	0.0	0.0
7	10.841	0.092	0.079	945.64	0.9	0.05	4.67e-05	9.13	8.56e-03	0.0	0.0



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Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
8	12.285	0.081	0.075	0.78	7.28e-04	7.04e-04	0.0	7579.91	7.1	0.0	0.0
9	25.750	0.039	0.055	0.04	3.63e-05	2.29e-04	0.0	8.691e+04	81.4	0.0	0.0
Risulta In percentuale				1.067e+05 99.97		1.065e+05 99.79		1.024e+05 95.98			

Cmb	Pilas. 1000 etaT/h	etaT cm	inter. h cm	Pilas. 1000 etaT/h	etaT cm	inter. h cm	Pilas. 1000 etaT/h	etaT cm	inter. h cm			
37	1	0.37	0.11	300.0	2	0.26	0.08	300.0	5	0.37	0.11	300.0
	6	0.23	0.07	300.0	7	0.24	0.07	300.0	8	0.23	0.07	300.0
	9	0.23	0.07	300.0	13	0.40	0.12	300.0	15	0.39	0.12	300.0
	16	0.43	0.13	300.0	17	0.41	0.12	300.0	18	0.23	0.07	300.0
	29	0.40	0.12	300.0	30	0.24	0.07	300.0	42	0.36	0.11	300.0
38	43	0.22	0.07	300.0								
	1	0.36	0.11	300.0	2	0.28	0.08	300.0	5	0.33	0.10	300.0
	6	0.32	0.09	300.0	7	0.34	0.10	300.0	8	0.36	0.11	300.0
	9	0.30	0.09	300.0	13	0.34	0.10	300.0	15	0.34	0.10	300.0
	16	0.35	0.10	300.0	17	0.34	0.10	300.0	18	0.31	0.09	300.0
39	29	0.34	0.10	300.0	30	0.30	0.09	300.0	42	0.32	0.10	300.0
	43	0.24	0.07	300.0								
	1	0.35	0.10	300.0	2	0.22	0.07	300.0	5	0.39	0.12	300.0
	6	0.24	0.07	300.0	7	0.23	0.07	300.0	8	0.24	0.07	300.0
	9	0.24	0.07	300.0	13	0.40	0.12	300.0	15	0.41	0.12	300.0
40	16	0.41	0.12	300.0	17	0.44	0.13	300.0	18	0.24	0.07	300.0
	29	0.37	0.11	300.0	30	0.23	0.07	300.0	42	0.36	0.11	300.0
	43	0.25	0.07	300.0								
	1	0.33	0.10	300.0	2	0.23	0.07	300.0	5	0.34	0.10	300.0
	6	0.31	0.09	300.0	7	0.34	0.10	300.0	8	0.33	0.10	300.0
41	9	0.28	0.09	300.0	13	0.34	0.10	300.0	15	0.35	0.10	300.0
	16	0.34	0.10	300.0	17	0.35	0.10	300.0	18	0.32	0.10	300.0
	29	0.33	0.10	300.0	30	0.31	0.09	300.0	42	0.36	0.11	300.0
	43	0.30	0.09	300.0								
	1	0.38	0.11	300.0	2	0.26	0.08	300.0	5	0.35	0.11	300.0
42	6	0.23	0.07	300.0	7	0.24	0.07	300.0	8	0.23	0.07	300.0
	9	0.23	0.07	300.0	13	0.45	0.14	300.0	15	0.41	0.12	300.0
	16	0.41	0.12	300.0	17	0.38	0.11	300.0	18	0.24	0.07	300.0
	29	0.38	0.11	300.0	30	0.24	0.07	300.0	42	0.35	0.11	300.0
	43	0.22	0.07	300.0								
43	1	0.37	0.11	300.0	2	0.30	0.09	300.0	5	0.34	0.10	300.0
	6	0.33	0.10	300.0	7	0.32	0.09	300.0	8	0.32	0.09	300.0
	9	0.27	0.08	300.0	13	0.35	0.10	300.0	15	0.34	0.10	300.0
	16	0.35	0.10	300.0	17	0.34	0.10	300.0	18	0.38	0.11	300.0
	29	0.34	0.10	300.0	30	0.27	0.08	300.0	42	0.33	0.10	300.0
44	43	0.23	0.07	300.0								
	1	0.37	0.11	300.0	2	0.22	0.07	300.0	5	0.37	0.11	300.0
	6	0.24	0.07	300.0	7	0.23	0.07	300.0	8	0.24	0.07	300.0
	9	0.23	0.07	300.0	13	0.47	0.14	300.0	15	0.42	0.13	300.0
	16	0.40	0.12	300.0	17	0.41	0.12	300.0	18	0.24	0.07	300.0
45	29	0.36	0.11	300.0	30	0.23	0.07	300.0	42	0.36	0.11	300.0
	43	0.25	0.07	300.0								
	1	0.33	0.10	300.0	2	0.25	0.08	300.0	5	0.34	0.10	300.0
	6	0.33	0.10	300.0	7	0.32	0.10	300.0	8	0.30	0.09	300.0
	9	0.26	0.08	300.0	13	0.34	0.10	300.0	15	0.34	0.10	300.0
46	16	0.34	0.10	300.0	17	0.34	0.10	300.0	18	0.39	0.12	300.0
	29	0.33	0.10	300.0	30	0.28	0.08	300.0	42	0.35	0.11	300.0
	43	0.29	0.09	300.0								
	1	0.28	0.08	300.0	2	0.36	0.11	300.0	5	0.30	0.09	300.0
	6	0.34	0.10	300.0	7	0.34	0.10	300.0	8	0.34	0.10	300.0
47	9	0.33	0.10	300.0	13	0.31	0.09	300.0	15	0.32	0.10	300.0
	16	0.34	0.10	300.0	17	0.36	0.11	300.0	18	0.34	0.10	300.0
	29	0.30	0.09	300.0	30	0.34	0.10	300.0	42	0.24	0.07	300.0
	43	0.32	0.10	300.0								
	1	0.26	0.08	300.0	2	0.37	0.11	300.0	5	0.23	0.07	300.0
48	6	0.39	0.12	300.0	7	0.43	0.13	300.0	8	0.41	0.12	300.0
	9	0.37	0.11	300.0	13	0.24	0.07	300.0	15	0.23	0.07	300.0
	16	0.24	0.07	300.0	17	0.23	0.07	300.0	18	0.40	0.12	300.0
	29	0.24	0.07	300.0	30	0.40	0.12	300.0	42	0.22	0.07	300.0
	43	0.36	0.11	300.0								
49	1	0.23	0.07	300.0	2	0.33	0.10	300.0	5	0.29	0.09	300.0
	6	0.34	0.10	300.0	7	0.34	0.10	300.0	8	0.34	0.10	300.0



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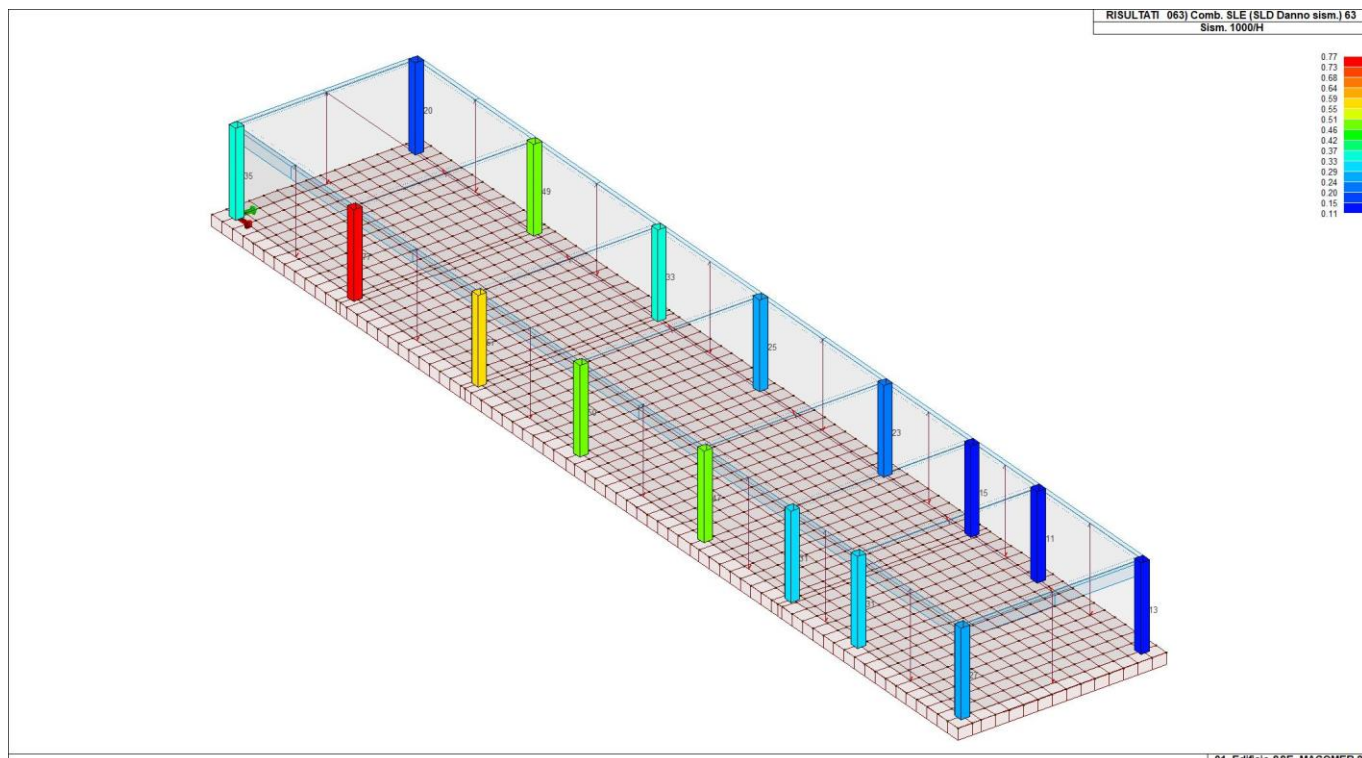
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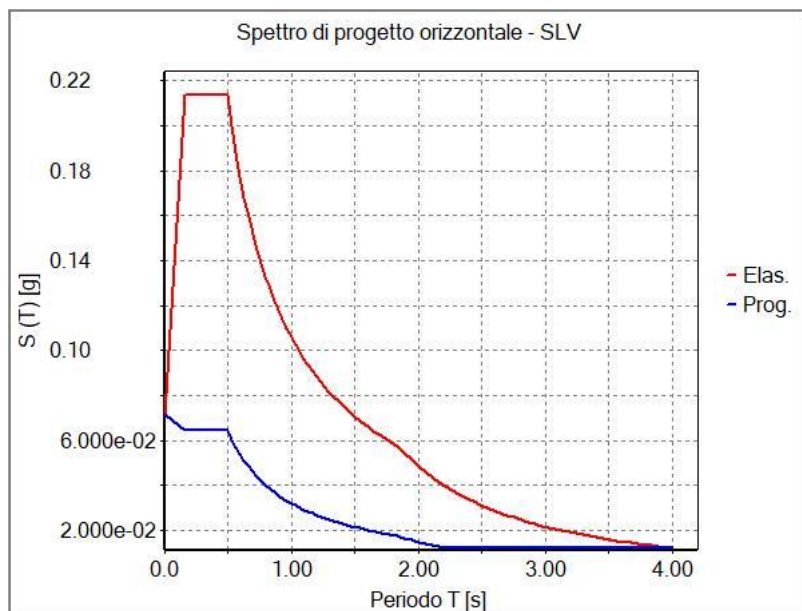
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60	1	0.08	0.02	300.0	2	0.21	0.06	300.0	5	0.28	0.08	300.0
	6	0.48	0.14	300.0	7	0.60	0.18	300.0	8	0.63	0.19	300.0
	9	0.45	0.13	300.0	13	0.19	0.06	300.0	15	0.25	0.07	300.0
	16	0.35	0.11	300.0	17	0.39	0.12	300.0	18	0.45	0.14	300.0
	29	0.24	0.07	300.0	30	0.45	0.14	300.0	42	0.18	0.05	300.0
	43	0.31	0.09	300.0								
61	1	0.35	0.10	300.0	2	0.20	0.06	300.0	5	0.30	0.09	300.0
	6	0.33	0.10	300.0	7	0.26	0.08	300.0	8	0.22	0.07	300.0
	9	0.14	0.04	300.0	13	0.77	0.23	300.0	15	0.57	0.17	300.0
	16	0.50	0.15	300.0	17	0.46	0.14	300.0	18	0.49	0.15	300.0
	29	0.33	0.10	300.0	30	0.13	0.04	300.0	42	0.28	0.08	300.0
	43	0.14	0.04	300.0								
62	1	0.23	0.07	300.0	2	0.35	0.10	300.0	5	0.17	0.05	300.0
	6	0.57	0.17	300.0	7	0.49	0.15	300.0	8	0.46	0.14	300.0
	9	0.30	0.09	300.0	13	0.50	0.15	300.0	15	0.34	0.10	300.0
	16	0.27	0.08	300.0	17	0.25	0.07	300.0	18	0.76	0.23	300.0
	29	0.14	0.04	300.0	30	0.31	0.09	300.0	42	0.14	0.04	300.0
	43	0.25	0.07	300.0								
63	1	0.35	0.11	300.0	2	0.20	0.06	300.0	5	0.31	0.09	300.0
	6	0.33	0.10	300.0	7	0.25	0.08	300.0	8	0.23	0.07	300.0
	9	0.15	0.04	300.0	13	0.77	0.23	300.0	15	0.57	0.17	300.0
	16	0.50	0.15	300.0	17	0.47	0.14	300.0	18	0.49	0.15	300.0
	29	0.31	0.09	300.0	30	0.11	0.03	300.0	42	0.27	0.08	300.0
	43	0.13	0.04	300.0								
64	1	0.20	0.06	300.0	2	0.33	0.10	300.0	5	0.16	0.05	300.0
	6	0.56	0.17	300.0	7	0.50	0.15	300.0	8	0.46	0.14	300.0
	9	0.30	0.09	300.0	13	0.49	0.15	300.0	15	0.33	0.10	300.0
	16	0.27	0.08	300.0	17	0.24	0.07	300.0	18	0.77	0.23	300.0
	29	0.14	0.04	300.0	30	0.32	0.10	300.0	42	0.17	0.05	300.0
	43	0.28	0.08	300.0								
65	1	0.35	0.10	300.0	2	0.23	0.07	300.0	5	0.30	0.09	300.0
	6	0.34	0.10	300.0	7	0.27	0.08	300.0	8	0.25	0.07	300.0
	9	0.17	0.05	300.0	13	0.76	0.23	300.0	15	0.57	0.17	300.0
	16	0.49	0.15	300.0	17	0.46	0.14	300.0	18	0.50	0.15	300.0
	29	0.31	0.09	300.0	30	0.14	0.04	300.0	42	0.25	0.07	300.0
	43	0.14	0.04	300.0								
66	1	0.20	0.06	300.0	2	0.35	0.10	300.0	5	0.14	0.04	300.0
	6	0.57	0.17	300.0	7	0.50	0.15	300.0	8	0.46	0.14	300.0
	9	0.30	0.09	300.0	13	0.49	0.15	300.0	15	0.33	0.10	300.0
	16	0.26	0.08	300.0	17	0.22	0.07	300.0	18	0.76	0.23	300.0
	29	0.13	0.04	300.0	30	0.33	0.10	300.0	42	0.14	0.04	300.0
	43	0.28	0.08	300.0								
67	1	0.33	0.10	300.0	2	0.20	0.06	300.0	5	0.30	0.09	300.0
	6	0.33	0.10	300.0	7	0.27	0.08	300.0	8	0.24	0.07	300.0
	9	0.16	0.05	300.0	13	0.77	0.23	300.0	15	0.56	0.17	300.0
	16	0.50	0.15	300.0	17	0.45	0.14	300.0	18	0.49	0.15	300.0
	29	0.32	0.10	300.0	30	0.14	0.04	300.0	42	0.28	0.08	300.0
	43	0.16	0.05	300.0								
68	1	0.20	0.06	300.0	2	0.35	0.11	300.0	5	0.15	0.04	300.0
	6	0.57	0.17	300.0	7	0.50	0.15	300.0	8	0.47	0.14	300.0
	9	0.32	0.09	300.0	13	0.49	0.15	300.0	15	0.33	0.10	300.0
	16	0.25	0.08	300.0	17	0.23	0.07	300.0	18	0.77	0.23	300.0
	29	0.11	0.03	300.0	30	0.32	0.09	300.0	42	0.13	0.04	300.0
	43	0.27	0.08	300.0								

Cmb 1000 etaT/h
0.77



31_RIS_SLE_063_Comb. SLE (SLD Danno sism.) 63



31_RIS_SPETTRI_PROGETTO_SLV_O



14. RISULTATI NODALI

14.1. LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X cm	Traslazione Y cm	Traslazione Z cm	Rotazione X	Rotazione Y	Rotazione Z
1	2	-2.52e-03	-5.21e-03	-0.10	2.59e-04	-1.26e-04	4.37e-06
1	8	-4.78e-03	-3.39e-03	-0.07	1.74e-04	-1.21e-04	2.65e-06
1	12	-4.61e-03	-4.00e-03	-0.07	1.78e-04	-1.21e-04	2.78e-06
1	36	-2.21e-03	-6.80e-03	-0.07	1.92e-04	-9.62e-05	4.27e-06
1	40	-6.60e-03	-3.44e-03	-0.07	1.80e-04	-1.42e-04	2.63e-06
1	44	-6.32e-03	-4.42e-03	-0.08	1.86e-04	-1.43e-04	2.85e-06
1	68	-2.51e-03	-8.87e-03	-0.07	2.09e-04	-1.03e-04	5.21e-06
1	70	-1.90e-03	-3.91e-03	-0.07	1.94e-04	-9.52e-05	3.27e-06
1	72	-1.74e-03	-3.41e-03	-0.07	1.70e-04	-8.69e-05	2.79e-06
2	2	5.15e-03	0.03	-0.10	-1.51e-03	2.33e-04	2.75e-06
2	10	0.07	-6.84e-04	-0.07	-8.76e-04	2.88e-04	-6.84e-05
2	12	-0.06	6.70e-03	-0.08	-8.91e-04	5.24e-05	2.58e-05
2	33	0.02	0.07	-0.07	-1.00e-03	1.91e-04	5.47e-05
2	42	0.11	-0.01	-0.07	-8.56e-04	3.59e-04	-1.07e-04
2	44	-0.10	-4.85e-04	-0.08	-8.78e-04	-1.66e-05	3.78e-05
2	65	0.03	0.10	-0.07	-1.05e-03	2.04e-04	8.64e-05
2	70	3.93e-03	0.02	-0.08	-1.13e-03	1.78e-04	2.04e-06
2	72	3.81e-03	0.02	-0.07	-9.54e-04	1.71e-04	1.67e-06
3	2	-2.43e-03	5.14e-03	-0.10	-2.57e-04	-1.24e-04	-2.20e-06
3	15	-4.69e-03	3.34e-03	-0.07	-1.72e-04	-1.18e-04	0.0
3	19	-4.51e-03	3.95e-03	-0.07	-1.76e-04	-1.18e-04	0.0
3	31	-2.14e-03	6.74e-03	-0.07	-1.90e-04	-9.41e-05	-2.47e-06
3	47	-6.49e-03	3.39e-03	-0.07	-1.78e-04	-1.38e-04	0.0
3	51	-6.21e-03	4.37e-03	-0.07	-1.84e-04	-1.39e-04	0.0
3	63	-2.44e-03	8.81e-03	-0.07	-2.06e-04	-1.00e-04	-3.17e-06
3	70	-1.84e-03	3.85e-03	-0.07	-1.93e-04	-9.34e-05	-1.63e-06
3	72	-1.68e-03	3.36e-03	-0.07	-1.68e-04	-8.52e-05	-1.35e-06
4	2	5.15e-03	-0.03	-0.10	1.51e-03	2.32e-04	-2.05e-06
4	17	0.07	4.39e-04	-0.07	8.77e-04	2.88e-04	6.90e-05
4	19	-0.06	-7.00e-03	-0.08	8.91e-04	5.22e-05	-2.56e-05
4	36	-0.02	-0.07	-0.07	1.01e-03	1.30e-04	-9.16e-05
4	49	0.11	0.01	-0.07	8.56e-04	3.58e-04	1.08e-04
4	51	-0.10	1.55e-04	-0.08	8.79e-04	-1.67e-05	-3.77e-05
4	68	-0.03	-0.10	-0.07	1.06e-03	1.06e-04	-1.44e-04
4	70	3.94e-03	-0.02	-0.08	1.13e-03	1.77e-04	-1.52e-06
4	72	3.81e-03	-0.02	-0.07	9.54e-04	1.71e-04	-1.21e-06
5	2	-8.99e-04	0.06	-0.11	-2.64e-03	-5.84e-05	0.0
5	11	-0.07	0.06	-0.07	-1.59e-03	-1.05e-04	-3.15e-05
5	32	-0.02	-0.05	-0.08	-1.39e-03	-6.26e-05	6.80e-05
5	33	0.01	0.12	-0.07	-1.69e-03	-2.83e-05	-7.54e-05
5	43	-0.11	0.08	-0.07	-1.61e-03	-1.41e-04	-4.99e-05
5	64	-0.03	-0.10	-0.08	-1.30e-03	-7.44e-05	1.08e-04
5	65	0.02	0.17	-0.07	-1.78e-03	-1.99e-05	-1.20e-04
5	70	-6.84e-04	0.04	-0.08	-1.96e-03	-4.46e-05	0.0
5	72	-6.50e-04	0.03	-0.08	-1.62e-03	-4.30e-05	0.0



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6	2	8.11e-05	-0.06	-0.12	3.06e-03	-1.50e-05	0.0
6	17	0.07	7.66e-04	-0.08	1.70e-03	4.87e-05	-1.48e-05
6	32	-0.01	-0.16	-0.08	1.98e-03	-2.40e-05	-2.89e-05
6	33	0.02	0.08	-0.08	1.56e-03	4.40e-06	2.41e-05
6	49	0.11	0.02	-0.08	1.67e-03	8.49e-05	-2.31e-05
6	64	-0.02	-0.23	-0.07	2.10e-03	-3.06e-05	-4.58e-05
6	65	0.03	0.16	-0.09	1.44e-03	1.46e-05	3.85e-05
6	70	6.15e-05	-0.05	-0.09	2.27e-03	-1.17e-05	0.0
6	72	4.98e-05	-0.04	-0.08	1.87e-03	-1.26e-05	0.0
7	2	-1.53e-03	0.06	-0.11	-2.66e-03	-8.32e-05	-1.61e-06
7	11	-0.07	0.06	-0.08	-1.59e-03	-1.19e-04	-2.28e-05
7	23	-0.02	0.13	-0.07	-1.72e-03	-7.82e-05	-4.39e-05
7	24	-0.02	-0.06	-0.08	-1.38e-03	-7.62e-05	3.76e-05
7	43	-0.11	0.07	-0.08	-1.61e-03	-1.54e-04	-3.56e-05
7	55	-0.03	0.19	-0.07	-1.82e-03	-8.95e-05	-6.93e-05
7	56	-0.03	-0.12	-0.08	-1.28e-03	-8.64e-05	6.03e-05
7	70	-1.16e-03	0.04	-0.09	-1.98e-03	-6.33e-05	-1.19e-06
7	72	-1.10e-03	0.03	-0.08	-1.63e-03	-5.99e-05	0.0
8	2	1.67e-03	0.06	-0.11	-2.73e-03	7.14e-05	0.0
8	10	0.07	0.01	-0.08	-1.55e-03	1.15e-04	2.76e-05
8	22	0.02	-0.06	-0.08	-1.43e-03	7.25e-05	-3.69e-05
8	27	-0.01	0.12	-0.07	-1.75e-03	3.84e-05	4.26e-05
8	42	0.11	1.31e-03	-0.08	-1.53e-03	1.52e-04	4.38e-05
8	54	0.03	-0.11	-0.08	-1.33e-03	8.43e-05	-5.87e-05
8	59	-0.02	0.18	-0.07	-1.84e-03	3.01e-05	6.78e-05
8	70	1.28e-03	0.04	-0.08	-2.03e-03	5.46e-05	0.0
8	72	1.25e-03	0.03	-0.08	-1.67e-03	5.29e-05	0.0
9	2	5.29e-04	-5.42e-03	-0.09	2.74e-04	2.43e-05	-1.02e-06
9	10	3.08e-03	-3.68e-03	-0.07	1.74e-04	3.20e-05	0.0
9	24	-5.83e-04	-6.43e-03	-0.07	2.02e-04	1.19e-05	-1.43e-06
9	42	4.71e-03	-3.87e-03	-0.07	1.77e-04	4.18e-05	0.0
9	56	-1.12e-03	-8.25e-03	-0.07	2.20e-04	9.89e-06	-1.92e-06
9	70	3.97e-04	-4.05e-03	-0.07	2.05e-04	1.82e-05	0.0
9	72	3.46e-04	-3.50e-03	-0.07	1.77e-04	1.59e-05	0.0
10	2	-8.89e-04	-0.05	-0.11	2.64e-03	-5.83e-05	0.0
10	20	-0.07	-0.06	-0.07	1.59e-03	-1.05e-04	3.11e-05
10	35	-0.02	0.05	-0.08	1.39e-03	-6.26e-05	-6.83e-05
10	36	-0.02	-0.12	-0.07	1.69e-03	-6.00e-05	7.42e-05
10	52	-0.11	-0.08	-0.07	1.62e-03	-1.41e-04	4.94e-05
10	67	-0.03	0.10	-0.08	1.30e-03	-7.44e-05	-1.09e-04
10	68	-0.03	-0.17	-0.07	1.78e-03	-7.03e-05	1.18e-04
10	70	-6.77e-04	-0.04	-0.08	1.96e-03	-4.46e-05	0.0
10	72	-6.43e-04	-0.03	-0.08	1.62e-03	-4.30e-05	0.0
11	2	3.21e-04	6.26e-03	-0.10	-3.17e-04	1.83e-05	-1.98e-06
11	17	2.89e-03	4.69e-03	-0.07	-2.01e-04	2.88e-05	-2.60e-06
11	31	-1.70e-04	6.53e-03	-0.07	-2.27e-04	9.37e-06	-2.55e-06
11	35	-2.25e-04	6.48e-03	-0.07	-2.27e-04	7.80e-06	-2.40e-06
11	49	4.47e-03	5.21e-03	-0.07	-2.07e-04	3.88e-05	-3.45e-06
11	63	-3.91e-04	8.14e-03	-0.07	-2.47e-04	8.01e-06	-3.37e-06
11	67	-4.79e-04	8.06e-03	-0.07	-2.47e-04	5.51e-06	-3.13e-06
11	70	2.41e-04	4.67e-03	-0.07	-2.36e-04	1.38e-05	-1.48e-06
11	72	2.12e-04	3.98e-03	-0.07	-2.01e-04	1.21e-05	-1.23e-06
12	2	4.15e-04	-6.10e-03	-0.10	3.16e-04	2.04e-05	-2.48e-06
12	10	2.99e-03	-4.18e-03	-0.07	1.98e-04	2.97e-05	-1.27e-06
12	24	-6.00e-04	-6.75e-03	-0.07	2.28e-04	9.90e-06	-2.10e-06
12	42	4.59e-03	-4.45e-03	-0.07	2.01e-04	3.92e-05	-1.14e-06
12	56	-1.12e-03	-8.54e-03	-0.07	2.50e-04	7.71e-06	-2.45e-06
12	70	3.13e-04	-4.55e-03	-0.08	2.36e-04	1.54e-05	-1.85e-06
12	72	2.85e-04	-3.89e-03	-0.07	2.01e-04	1.40e-05	-1.56e-06
13	2	-4.43e-04	6.11e-03	-0.10	-3.15e-04	-2.16e-05	1.82e-06
13	20	-2.95e-03	3.02e-03	-0.07	-1.82e-04	-2.92e-05	1.90e-06
13	25	3.09e-04	6.45e-03	-0.07	-2.24e-04	-9.77e-06	1.82e-06
13	52	-4.53e-03	2.62e-03	-0.07	-1.77e-04	-3.84e-05	2.38e-06
13	57	6.57e-04	8.06e-03	-0.07	-2.44e-04	-7.44e-06	2.26e-06
13	70	-3.32e-04	4.56e-03	-0.08	-2.35e-04	-1.62e-05	1.36e-06
13	72	-2.91e-04	3.89e-03	-0.07	-2.00e-04	-1.42e-05	1.14e-06
14	2	1.68e-03	-0.06	-0.11	2.73e-03	7.13e-05	0.0
14	17	0.07	-0.01	-0.08	1.55e-03	1.15e-04	-2.75e-05
14	25	0.02	0.06	-0.08	1.43e-03	7.24e-05	3.69e-05
14	26	0.02	-0.12	-0.07	1.75e-03	7.03e-05	-4.33e-05
14	49	0.11	-1.52e-03	-0.08	1.53e-03	1.52e-04	-4.36e-05
14	57	0.03	0.11	-0.08	1.33e-03	8.41e-05	5.87e-05
14	58	0.03	-0.18	-0.07	1.84e-03	8.09e-05	-6.87e-05
14	70	1.28e-03	-0.04	-0.08	2.03e-03	5.45e-05	0.0
14	72	1.25e-03	-0.03	-0.08	1.67e-03	5.28e-05	0.0
15	2	4.00e-04	6.11e-03	-0.10	-3.15e-04	1.98e-05	2.13e-06



15	17	2.96e-03	4.18e-03	-0.07	-1.97e-04	2.83e-05	0.0
15	27	-6.04e-04	6.75e-03	-0.07	-2.28e-04	9.81e-06	2.02e-06
15	49	4.54e-03	4.45e-03	-0.07	-2.01e-04	3.71e-05	0.0
15	59	-1.12e-03	8.54e-03	-0.07	-2.49e-04	7.79e-06	2.47e-06
15	70	3.03e-04	4.56e-03	-0.08	-2.35e-04	1.50e-05	1.58e-06
15	72	2.75e-04	3.89e-03	-0.07	-2.00e-04	1.36e-05	1.32e-06
16	2	-1.52e-03	-0.06	-0.11	2.66e-03	-8.31e-05	1.60e-06
16	20	-0.07	-0.06	-0.08	1.59e-03	-1.19e-04	2.24e-05
16	22	0.01	-0.13	-0.07	1.72e-03	-4.75e-05	4.54e-05
16	27	-0.02	0.06	-0.08	1.38e-03	-7.60e-05	-3.77e-05
16	52	-0.11	-0.07	-0.08	1.61e-03	-1.54e-04	3.50e-05
16	54	0.02	-0.19	-0.07	1.82e-03	-4.06e-05	7.16e-05
16	59	-0.03	0.12	-0.08	1.28e-03	-8.62e-05	-6.05e-05
16	70	-1.16e-03	-0.04	-0.09	1.98e-03	-6.32e-05	1.19e-06
16	72	-1.10e-03	-0.03	-0.08	1.64e-03	-5.98e-05	0.0
17	2	5.23e-04	5.44e-03	-0.09	-2.73e-04	2.40e-05	0.0
17	17	3.07e-03	3.69e-03	-0.07	-1.74e-04	3.08e-05	-1.18e-06
17	27	-5.84e-04	6.45e-03	-0.07	-2.01e-04	1.19e-05	1.17e-06
17	49	4.68e-03	3.88e-03	-0.07	-1.76e-04	4.01e-05	-2.02e-06
17	59	-1.12e-03	8.27e-03	-0.07	-2.20e-04	1.00e-05	1.71e-06
17	70	3.93e-04	4.07e-03	-0.07	-2.04e-04	1.80e-05	0.0
17	72	3.43e-04	3.52e-03	-0.07	-1.77e-04	1.56e-05	0.0
18	1	-2.71e-04	-0.03	-0.09	1.38e-03	-1.95e-05	0.0
18	2	-2.24e-04	-0.04	-0.10	1.78e-03	-1.82e-05	0.0
18	20	-0.07	-0.04	-0.07	1.09e-03	-5.65e-05	3.58e-05
18	27	-0.02	0.05	-0.07	9.40e-04	-2.93e-05	-4.27e-05
18	28	-0.02	-0.09	-0.07	1.18e-03	-2.59e-05	5.68e-05
18	52	-0.11	-0.05	-0.07	1.10e-03	-8.09e-05	5.68e-05
18	59	-0.03	0.09	-0.07	8.69e-04	-3.77e-05	-6.77e-05
18	60	-0.03	-0.13	-0.07	1.25e-03	-3.23e-05	9.03e-05
18	69	-2.09e-04	-0.02	-0.07	1.06e-03	-1.50e-05	0.0
18	70	-1.78e-04	-0.03	-0.08	1.33e-03	-1.41e-05	0.0
18	71	-2.09e-04	-0.02	-0.07	1.06e-03	-1.50e-05	0.0
18	72	-2.03e-04	-0.02	-0.07	1.11e-03	-1.48e-05	0.0
19	1	-2.73e-04	0.03	-0.09	-1.38e-03	-1.95e-05	0.0
19	2	-2.28e-04	0.04	-0.10	-1.78e-03	-1.82e-05	0.0
19	11	-0.07	0.04	-0.07	-1.09e-03	-5.66e-05	-3.62e-05
19	24	-0.02	-0.05	-0.07	-9.40e-04	-2.93e-05	4.27e-05
19	25	0.01	0.09	-0.07	-1.18e-03	-4.61e-06	-4.72e-05
19	43	-0.11	0.05	-0.07	-1.10e-03	-8.12e-05	-5.75e-05
19	56	-0.03	-0.09	-0.07	-8.69e-04	-3.77e-05	6.77e-05
19	57	0.02	0.13	-0.06	-1.25e-03	1.51e-06	-7.52e-05
19	69	-2.11e-04	0.02	-0.07	-1.06e-03	-1.50e-05	0.0
19	70	-1.80e-04	0.03	-0.08	-1.32e-03	-1.41e-05	0.0
19	71	-2.11e-04	0.02	-0.07	-1.06e-03	-1.50e-05	0.0
19	72	-2.05e-04	0.02	-0.07	-1.11e-03	-1.48e-05	0.0
20	2	6.48e-05	0.06	-0.12	-3.06e-03	-1.52e-05	1.01e-06
20	10	0.07	-7.12e-04	-0.08	-1.70e-03	4.88e-05	1.51e-05
20	30	0.02	-0.08	-0.08	-1.56e-03	4.37e-06	-2.39e-05
20	35	-0.02	0.16	-0.08	-1.98e-03	-2.42e-05	2.91e-05
20	42	0.11	-0.02	-0.08	-1.67e-03	8.51e-05	2.36e-05
20	62	0.03	-0.16	-0.09	-1.44e-03	1.46e-05	-3.82e-05
20	67	-0.02	0.23	-0.07	-2.10e-03	-3.09e-05	4.61e-05
20	70	4.93e-05	0.05	-0.09	-2.27e-03	-1.18e-05	0.0
20	72	3.91e-05	0.04	-0.08	-1.87e-03	-1.27e-05	0.0
21	2	3.41e-04	-6.19e-03	-0.10	3.16e-04	1.86e-05	1.95e-06
21	10	2.91e-03	-4.64e-03	-0.07	2.01e-04	3.00e-05	2.07e-06
21	32	-2.21e-04	-6.43e-03	-0.07	2.27e-04	7.74e-06	2.58e-06
21	36	-1.66e-04	-6.48e-03	-0.07	2.26e-04	9.39e-06	2.68e-06
21	42	4.50e-03	-5.16e-03	-0.07	2.06e-04	4.06e-05	2.63e-06
21	64	-4.79e-04	-8.01e-03	-0.07	2.47e-04	5.29e-06	3.44e-06
21	68	-3.92e-04	-8.09e-03	-0.07	2.47e-04	7.92e-06	3.59e-06
21	70	2.56e-04	-4.62e-03	-0.07	2.36e-04	1.40e-05	1.45e-06
21	72	2.25e-04	-3.94e-03	-0.07	2.01e-04	1.23e-05	1.19e-06
22	2	4.88e-05	-6.92e-03	-0.11	3.53e-04	3.67e-06	2.11e-06
22	10	2.73e-03	-5.38e-03	-0.07	2.27e-04	2.06e-05	2.23e-06
22	30	1.14e-03	-7.57e-03	-0.07	2.60e-04	7.73e-06	2.91e-06
22	42	4.32e-03	-6.09e-03	-0.07	2.36e-04	3.10e-05	2.84e-06
22	62	1.79e-03	-9.58e-03	-0.08	2.88e-04	1.05e-05	3.93e-06
22	70	3.63e-05	-5.16e-03	-0.08	2.63e-04	3.51e-06	1.57e-06
22	72	3.15e-05	-4.38e-03	-0.07	2.23e-04	3.09e-06	1.27e-06
23	2	-4.50e-04	-6.10e-03	-0.10	3.15e-04	-2.21e-05	-1.48e-06
23	11	-2.98e-03	-3.01e-03	-0.07	1.83e-04	-3.07e-05	-1.14e-06
23	22	3.14e-04	-6.44e-03	-0.07	2.25e-04	-9.78e-06	-1.78e-06
23	43	-4.57e-03	-2.60e-03	-0.07	1.78e-04	-4.05e-05	-1.30e-06
23	54	6.67e-04	-8.05e-03	-0.07	2.45e-04	-7.26e-06	-2.33e-06



23	70	-3.37e-04	-4.55e-03	-0.08	2.35e-04	-1.66e-05	-1.10e-06
23	72	-2.95e-04	-3.88e-03	-0.07	2.00e-04	-1.45e-05	0.0
24	2	1.31e-04	3.52e-03	-0.06	-1.73e-04	3.78e-06	0.0
24	17	2.51e-03	2.40e-03	-0.05	-1.10e-04	2.11e-06	0.0
24	21	6.63e-04	4.89e-03	-0.05	-1.16e-04	0.0	0.0
24	23	-7.04e-04	4.73e-03	-0.05	-1.16e-04	0.0	0.0
24	49	3.95e-03	2.51e-03	-0.05	-1.11e-04	2.46e-06	0.0
24	53	1.01e-03	6.47e-03	-0.05	-1.20e-04	0.0	0.0
24	55	-1.16e-03	6.23e-03	-0.05	-1.20e-04	0.0	0.0
24	70	9.64e-05	2.64e-03	-0.05	-1.29e-04	2.72e-06	0.0
24	72	7.31e-05	2.29e-03	-0.05	-1.12e-04	1.76e-06	0.0
25	2	-6.97e-04	-5.93e-03	-0.10	3.05e-04	-3.79e-05	1.08e-06
25	11	-3.23e-03	-3.41e-03	-0.07	1.80e-04	-3.97e-05	0.0
25	22	1.80e-04	-6.50e-03	-0.07	2.15e-04	-2.22e-05	0.0
25	26	1.03e-04	-6.68e-03	-0.07	2.15e-04	-2.37e-05	0.0
25	43	-4.86e-03	-3.27e-03	-0.07	1.75e-04	-4.87e-05	0.0
25	54	5.52e-04	-8.19e-03	-0.07	2.32e-04	-2.09e-05	0.0
25	58	4.29e-04	-8.46e-03	-0.07	2.32e-04	-2.32e-05	0.0
25	70	-5.24e-04	-4.43e-03	-0.08	2.28e-04	-2.85e-05	0.0
25	72	-4.65e-04	-3.80e-03	-0.07	1.95e-04	-2.53e-05	0.0
26	2	1.92e-03	0.05	-0.11	-2.33e-03	9.00e-05	0.0
26	10	0.07	0.02	-0.08	-1.35e-03	1.11e-04	-3.46e-05
26	22	0.02	-0.04	-0.08	-1.26e-03	8.10e-05	2.20e-05
26	27	-0.01	0.10	-0.07	-1.48e-03	5.42e-05	-1.51e-05
26	42	0.11	0.01	-0.08	-1.34e-03	1.38e-04	-5.39e-05
26	54	0.03	-0.08	-0.08	-1.19e-03	9.00e-05	3.52e-05
26	59	-0.02	0.14	-0.07	-1.54e-03	4.74e-05	-2.45e-05
26	70	1.47e-03	0.04	-0.08	-1.73e-03	6.87e-05	0.0
26	72	1.41e-03	0.03	-0.08	-1.44e-03	6.63e-05	0.0
27	2	-6.49e-04	5.91e-03	-0.10	-3.04e-04	-3.69e-05	0.0
27	20	-3.17e-03	3.40e-03	-0.07	-1.79e-04	-3.80e-05	0.0
27	21	1.25e-04	6.66e-03	-0.07	-2.14e-04	-2.32e-05	0.0
27	25	2.02e-04	6.49e-03	-0.07	-2.14e-04	-2.18e-05	0.0
27	52	-4.79e-03	3.26e-03	-0.07	-1.75e-04	-4.63e-05	1.28e-06
27	53	4.46e-04	8.45e-03	-0.07	-2.31e-04	-2.28e-05	0.0
27	57	5.69e-04	8.17e-03	-0.07	-2.31e-04	-2.06e-05	0.0
27	70	-4.88e-04	4.42e-03	-0.08	-2.27e-04	-2.78e-05	0.0
27	72	-4.33e-04	3.79e-03	-0.07	-1.94e-04	-2.47e-05	0.0
28	2	1.92e-03	-0.05	-0.11	2.33e-03	8.97e-05	0.0
28	17	0.07	-0.02	-0.08	1.35e-03	1.11e-04	3.44e-05
28	25	0.02	0.04	-0.08	1.26e-03	8.08e-05	-2.25e-05
28	26	0.02	-0.10	-0.07	1.48e-03	7.72e-05	4.82e-05
28	49	0.11	-0.01	-0.08	1.34e-03	1.38e-04	5.37e-05
28	57	0.03	0.08	-0.08	1.19e-03	8.98e-05	-3.59e-05
28	58	0.03	-0.14	-0.07	1.55e-03	8.41e-05	7.65e-05
28	70	1.46e-03	-0.04	-0.08	1.74e-03	6.85e-05	0.0
28	72	1.40e-03	-0.03	-0.08	1.44e-03	6.61e-05	0.0
29	2	-2.70e-03	-4.92e-03	-0.09	2.35e-04	-1.36e-04	0.0
29	8	-4.67e-03	-3.21e-03	-0.07	1.56e-04	-1.13e-04	0.0
29	32	-2.92e-03	-6.31e-03	-0.07	1.70e-04	-1.02e-04	0.0
29	36	-2.84e-03	-6.52e-03	-0.07	1.70e-04	-1.01e-04	0.0
29	40	-6.35e-03	-3.27e-03	-0.07	1.61e-04	-1.26e-04	0.0
29	64	-3.57e-03	-8.20e-03	-0.07	1.83e-04	-1.09e-04	0.0
29	68	-3.44e-03	-8.54e-03	-0.07	1.83e-04	-1.06e-04	0.0
29	70	-2.04e-03	-3.69e-03	-0.07	1.76e-04	-1.03e-04	0.0
29	72	-1.86e-03	-3.22e-03	-0.06	1.54e-04	-9.35e-05	0.0
30	2	-2.37e-03	-4.70e-03	-0.08	2.26e-04	-1.19e-04	0.0
30	11	-4.45e-03	-1.66e-03	-0.06	1.40e-04	-1.00e-04	0.0
30	32	-2.16e-03	-6.11e-03	-0.06	1.62e-04	-8.88e-05	0.0
30	36	-2.08e-03	-6.33e-03	-0.06	1.62e-04	-8.71e-05	0.0
30	43	-6.13e-03	-8.92e-04	-0.06	1.39e-04	-1.12e-04	0.0
30	64	-2.48e-03	-7.97e-03	-0.06	1.74e-04	-9.38e-05	0.0
30	68	-2.36e-03	-8.31e-03	-0.06	1.74e-04	-9.11e-05	0.0
30	70	-1.79e-03	-3.52e-03	-0.06	1.69e-04	-9.00e-05	0.0
30	72	-1.64e-03	-3.08e-03	-0.06	1.48e-04	-8.22e-05	0.0
31	2	-2.63e-03	-5.08e-03	-0.09	2.48e-04	-1.26e-04	0.0
31	8	-4.82e-03	-3.88e-03	-0.07	1.69e-04	-1.15e-04	0.0
31	12	-4.81e-03	-4.47e-03	-0.07	1.72e-04	-1.15e-04	0.0
31	36	-2.81e-03	-6.63e-03	-0.07	1.79e-04	-9.45e-05	0.0
31	40	-6.62e-03	-4.25e-03	-0.07	1.75e-04	-1.33e-04	0.0
31	44	-6.60e-03	-5.21e-03	-0.07	1.80e-04	-1.34e-04	0.0
31	68	-3.42e-03	-8.64e-03	-0.07	1.92e-04	-1.00e-04	0.0
31	70	-1.99e-03	-3.81e-03	-0.07	1.86e-04	-9.51e-05	0.0
31	72	-1.81e-03	-3.34e-03	-0.06	1.63e-04	-8.67e-05	0.0
32	2	-1.97e-03	-4.07e-03	-0.07	1.98e-04	-9.60e-05	0.0
32	11	-4.07e-03	-1.36e-03	-0.05	1.27e-04	-8.19e-05	0.0



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32	12	-3.93e-03	-3.23e-03	-0.05	1.34e-04	-8.26e-05	0.0
32	36	-1.84e-03	-5.82e-03	-0.05	1.39e-04	-7.00e-05	0.0
32	43	-5.68e-03	-6.37e-04	-0.05	1.27e-04	-9.18e-05	0.0
32	44	-5.46e-03	-3.61e-03	-0.06	1.39e-04	-9.30e-05	0.0
32	68	-2.14e-03	-7.72e-03	-0.05	1.47e-04	-7.30e-05	0.0
32	70	-1.49e-03	-3.05e-03	-0.06	1.48e-04	-7.25e-05	0.0
32	72	-1.36e-03	-2.68e-03	-0.05	1.30e-04	-6.64e-05	0.0
33	2	-2.02e-03	-4.53e-03	-0.08	2.20e-04	-9.77e-05	0.0
33	11	-4.17e-03	-2.19e-03	-0.06	1.46e-04	-8.63e-05	0.0
33	12	-4.03e-03	-4.10e-03	-0.06	1.54e-04	-8.71e-05	0.0
33	36	-1.89e-03	-6.20e-03	-0.06	1.56e-04	-7.18e-05	0.0
33	43	-5.82e-03	-1.78e-03	-0.06	1.48e-04	-9.83e-05	0.0
33	44	-5.60e-03	-4.81e-03	-0.06	1.61e-04	-9.95e-05	0.0
33	68	-2.20e-03	-8.15e-03	-0.06	1.65e-04	-7.51e-05	0.0
33	70	-1.52e-03	-3.40e-03	-0.06	1.65e-04	-7.37e-05	0.0
33	72	-1.40e-03	-2.99e-03	-0.06	1.46e-04	-6.76e-05	0.0
34	2	-1.57e-03	-3.34e-03	-0.06	1.63e-04	-7.56e-05	0.0
34	11	-3.70e-03	-9.36e-04	-0.05	1.06e-04	-6.54e-05	0.0
34	12	-3.59e-03	-2.75e-03	-0.05	1.11e-04	-6.58e-05	0.0
34	36	-1.60e-03	-5.28e-03	-0.05	1.13e-04	-5.53e-05	0.0
34	43	-5.25e-03	-2.35e-04	-0.05	1.08e-04	-7.37e-05	0.0
34	44	-5.08e-03	-3.13e-03	-0.05	1.15e-04	-7.43e-05	0.0
34	68	-1.92e-03	-7.13e-03	-0.05	1.18e-04	-5.76e-05	0.0
34	70	-1.18e-03	-2.51e-03	-0.05	1.22e-04	-5.70e-05	0.0
34	72	-1.09e-03	-2.21e-03	-0.05	1.08e-04	-5.26e-05	0.0
35	2	-1.58e-03	-3.71e-03	-0.07	1.81e-04	-7.66e-05	0.0
35	11	-3.77e-03	-1.70e-03	-0.05	1.22e-04	-6.87e-05	0.0
35	12	-3.65e-03	-3.55e-03	-0.05	1.27e-04	-6.91e-05	0.0
35	36	-1.63e-03	-5.58e-03	-0.05	1.26e-04	-5.66e-05	0.0
35	43	-5.35e-03	-1.31e-03	-0.05	1.25e-04	-7.84e-05	0.0
35	44	-5.17e-03	-4.24e-03	-0.05	1.33e-04	-7.91e-05	0.0
35	68	-1.95e-03	-7.47e-03	-0.05	1.32e-04	-5.92e-05	0.0
35	70	-1.20e-03	-2.79e-03	-0.05	1.36e-04	-5.78e-05	0.0
35	72	-1.10e-03	-2.46e-03	-0.05	1.20e-04	-5.33e-05	0.0
36	2	-1.26e-03	-2.50e-03	-0.06	1.22e-04	-6.03e-05	0.0
36	11	-3.41e-03	-4.21e-04	-0.04	8.10e-05	-5.28e-05	0.0
36	12	-3.33e-03	-2.20e-03	-0.04	8.38e-05	-5.31e-05	0.0
36	36	-1.44e-03	-4.67e-03	-0.04	8.36e-05	-4.46e-05	0.0
36	43	-4.92e-03	2.70e-04	-0.04	8.26e-05	-5.96e-05	0.0
36	44	-4.78e-03	-2.56e-03	-0.04	8.72e-05	-6.00e-05	0.0
36	68	-1.78e-03	-6.49e-03	-0.04	8.69e-05	-4.65e-05	0.0
36	70	-9.52e-04	-1.88e-03	-0.04	9.17e-05	-4.55e-05	0.0
36	72	-8.81e-04	-1.65e-03	-0.04	8.08e-05	-4.22e-05	0.0
37	2	-1.26e-03	-2.77e-03	-0.06	1.35e-04	-6.04e-05	0.0
37	11	-3.45e-03	-6.05e-04	-0.05	9.22e-05	-5.49e-05	0.0
37	12	-3.36e-03	-2.41e-03	-0.05	9.51e-05	-5.45e-05	0.0
37	36	-1.45e-03	-4.90e-03	-0.04	9.27e-05	-4.41e-05	0.0
37	43	-4.97e-03	8.04e-05	-0.05	9.54e-05	-6.28e-05	0.0
37	44	-4.83e-03	-2.79e-03	-0.05	1.00e-04	-6.22e-05	0.0
37	68	-1.79e-03	-6.74e-03	-0.05	9.64e-05	-4.56e-05	0.0
37	70	-9.51e-04	-2.08e-03	-0.05	1.01e-04	-4.56e-05	0.0
37	72	-8.81e-04	-1.83e-03	-0.04	8.96e-05	-4.23e-05	0.0
38	2	-1.06e-03	-1.60e-03	-0.05	7.79e-05	-5.02e-05	0.0
38	11	-3.21e-03	1.53e-04	-0.04	5.24e-05	-4.44e-05	0.0
38	12	-3.15e-03	-1.60e-03	-0.04	5.40e-05	-4.42e-05	0.0
38	36	-1.35e-03	-4.05e-03	-0.04	5.30e-05	-3.67e-05	0.0
38	43	-4.67e-03	8.43e-04	-0.04	5.39e-05	-5.02e-05	0.0
38	44	-4.58e-03	-1.95e-03	-0.04	5.65e-05	-4.98e-05	0.0
38	68	-1.72e-03	-5.84e-03	-0.04	5.49e-05	-3.80e-05	0.0
38	70	-7.98e-04	-1.20e-03	-0.04	5.85e-05	-3.78e-05	0.0
38	72	-7.41e-04	-1.06e-03	-0.04	5.16e-05	-3.52e-05	0.0
39	2	-1.04e-03	-1.76e-03	-0.05	8.59e-05	-4.95e-05	0.0
39	11	-3.22e-03	4.30e-05	-0.04	5.95e-05	-4.52e-05	0.0
39	12	-3.17e-03	-1.73e-03	-0.04	6.11e-05	-4.49e-05	0.0
39	36	-1.35e-03	-4.20e-03	-0.04	5.85e-05	-3.66e-05	0.0
39	43	-4.70e-03	7.32e-04	-0.04	6.21e-05	-5.17e-05	0.0
39	44	-4.61e-03	-2.09e-03	-0.04	6.46e-05	-5.12e-05	0.0
39	68	-1.72e-03	-6.01e-03	-0.04	6.04e-05	-3.79e-05	0.0
39	70	-7.85e-04	-1.32e-03	-0.04	6.45e-05	-3.73e-05	0.0
39	72	-7.32e-04	-1.17e-03	-0.04	5.70e-05	-3.49e-05	0.0
40	2	-9.49e-04	-6.64e-04	-0.05	3.23e-05	-4.47e-05	0.0
40	11	-3.08e-03	7.57e-04	-0.04	2.23e-05	-3.95e-05	0.0
40	12	-3.06e-03	-9.83e-04	-0.04	2.33e-05	-3.94e-05	0.0
40	36	-1.33e-03	-3.42e-03	-0.04	2.25e-05	-3.32e-05	0.0
40	43	-4.51e-03	1.45e-03	-0.04	2.33e-05	-4.45e-05	0.0
40	44	-4.47e-03	-1.31e-03	-0.04	2.48e-05	-4.44e-05	0.0



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40	68	-1.74e-03	-5.19e-03	-0.04	2.36e-05	-3.45e-05	0.0
40	70	-7.16e-04	-4.98e-04	-0.04	2.42e-05	-3.37e-05	0.0
40	72	-6.67e-04	-4.39e-04	-0.04	2.14e-05	-3.15e-05	0.0
41	2	-9.22e-04	-7.30e-04	-0.05	3.55e-05	-4.36e-05	0.0
41	11	-3.08e-03	7.20e-04	-0.04	2.55e-05	-3.98e-05	0.0
41	12	-3.06e-03	-1.04e-03	-0.04	2.64e-05	-3.97e-05	0.0
41	36	-1.32e-03	-3.51e-03	-0.04	2.46e-05	-3.28e-05	0.0
41	43	-4.52e-03	1.42e-03	-0.04	2.71e-05	-4.54e-05	0.0
41	44	-4.49e-03	-1.38e-03	-0.04	2.86e-05	-4.52e-05	0.0
41	68	-1.73e-03	-5.30e-03	-0.04	2.57e-05	-3.42e-05	0.0
41	70	-6.96e-04	-5.48e-04	-0.04	2.66e-05	-3.29e-05	0.0
41	72	-6.52e-04	-4.84e-04	-0.04	2.35e-05	-3.09e-05	0.0
42	2	-9.32e-04	2.77e-04	-0.05	-1.39e-05	-4.39e-05	0.0
42	19	-3.04e-03	7.31e-04	-0.04	-1.10e-05	-3.87e-05	0.0
42	20	-3.05e-03	-1.01e-03	-0.04	-1.01e-05	-3.86e-05	0.0
42	31	-1.34e-03	3.17e-03	-0.04	-1.01e-05	-3.28e-05	0.0
42	51	-4.46e-03	1.06e-03	-0.04	-1.22e-05	-4.35e-05	0.0
42	52	-4.48e-03	-1.70e-03	-0.04	-1.08e-05	-3.45e-05	0.0
42	63	-1.76e-03	4.94e-03	-0.04	-1.08e-05	-3.43e-05	0.0
42	70	-7.03e-04	2.08e-04	-0.04	-1.04e-05	-3.31e-05	0.0
42	72	-6.55e-04	1.83e-04	-0.04	-9.20e-06	-3.09e-05	0.0
43	2	-9.04e-04	3.06e-04	-0.05	-1.53e-05	-4.27e-05	0.0
43	19	-3.05e-03	7.59e-04	-0.04	-1.27e-05	-3.88e-05	0.0
43	20	-3.06e-03	-9.98e-04	-0.04	-1.19e-05	-3.88e-05	0.0
43	31	-1.33e-03	3.23e-03	-0.04	-1.08e-05	-3.23e-05	0.0
43	51	-4.47e-03	1.09e-03	-0.04	-1.43e-05	-4.41e-05	0.0
43	52	-4.49e-03	-1.70e-03	-0.04	-1.30e-05	-4.42e-05	0.0
43	63	-1.75e-03	5.01e-03	-0.04	-1.14e-05	-3.38e-05	0.0
43	70	-6.83e-04	2.30e-04	-0.04	-1.15e-05	-3.22e-05	0.0
43	72	-6.39e-04	2.03e-04	-0.04	-1.02e-05	-3.02e-05	0.0
44	2	-1.01e-03	1.21e-03	-0.05	-5.98e-05	-4.75e-05	0.0
44	19	-3.11e-03	1.35e-03	-0.04	-4.18e-05	-4.20e-05	0.0
44	20	-3.15e-03	-3.96e-04	-0.04	-4.05e-05	-4.21e-05	0.0
44	31	-1.34e-03	3.79e-03	-0.04	-4.08e-05	-3.50e-05	0.0
44	51	-4.54e-03	1.69e-03	-0.04	-4.38e-05	-4.73e-05	0.0
44	52	-4.60e-03	-1.09e-03	-0.04	-4.18e-05	-4.76e-05	0.0
44	63	-1.72e-03	5.57e-03	-0.04	-4.22e-05	-3.63e-05	0.0
44	70	-7.59e-04	9.11e-04	-0.04	-4.49e-05	-3.59e-05	0.0
44	72	-7.06e-04	8.03e-04	-0.04	-3.96e-05	-3.34e-05	0.0
45	2	-9.86e-04	1.34e-03	-0.05	-6.59e-05	-4.67e-05	0.0
45	19	-3.12e-03	1.45e-03	-0.04	-4.74e-05	-4.25e-05	0.0
45	20	-3.16e-03	-3.15e-04	-0.04	-4.61e-05	-4.27e-05	0.0
45	31	-1.33e-03	3.91e-03	-0.04	-4.49e-05	-3.48e-05	0.0
45	51	-4.56e-03	1.80e-03	-0.04	-5.03e-05	-4.85e-05	0.0
45	52	-4.63e-03	-1.01e-03	-0.04	-4.83e-05	-4.88e-05	0.0
45	63	-1.71e-03	5.72e-03	-0.04	-4.64e-05	-3.62e-05	0.0
45	70	-7.44e-04	1.01e-03	-0.04	-4.95e-05	-3.52e-05	0.0
45	72	-6.95e-04	8.88e-04	-0.04	-4.38e-05	-3.30e-05	0.0
46	2	-1.17e-03	2.13e-03	-0.05	-1.05e-04	-5.59e-05	0.0
46	19	-3.26e-03	1.96e-03	-0.04	-7.20e-05	-4.93e-05	0.0
46	20	-3.33e-03	1.91e-04	-0.04	-6.97e-05	-4.91e-05	0.0
46	31	-1.40e-03	4.42e-03	-0.04	-7.14e-05	-4.14e-05	0.0
46	51	-4.70e-03	2.31e-03	-0.04	-7.50e-05	-5.58e-05	0.0
46	52	-4.82e-03	-4.97e-04	-0.04	-7.13e-05	-5.54e-05	0.0
46	63	-1.75e-03	6.22e-03	-0.04	-7.41e-05	-4.32e-05	0.0
46	70	-8.87e-04	1.60e-03	-0.04	-7.86e-05	-4.21e-05	0.0
46	72	-8.22e-04	1.41e-03	-0.04	-6.93e-05	-3.91e-05	0.0
47	2	-1.17e-03	2.36e-03	-0.06	-1.16e-04	-5.58e-05	0.0
47	19	-3.28e-03	2.14e-03	-0.04	-8.17e-05	-5.05e-05	0.0
47	20	-3.36e-03	3.45e-04	-0.04	-7.94e-05	-5.08e-05	0.0
47	31	-1.40e-03	4.61e-03	-0.04	-7.91e-05	-4.09e-05	0.0
47	51	-4.75e-03	2.51e-03	-0.05	-8.61e-05	-5.77e-05	0.0
47	52	-4.86e-03	-3.39e-04	-0.05	-8.24e-05	-5.81e-05	0.0
47	63	-1.76e-03	6.44e-03	-0.04	-8.20e-05	-4.24e-05	0.0
47	70	-8.83e-04	1.77e-03	-0.04	-8.69e-05	-4.21e-05	0.0
47	72	-8.20e-04	1.56e-03	-0.04	-7.68e-05	-3.92e-05	0.0
48	2	-1.44e-03	3.00e-03	-0.06	-1.47e-04	-6.91e-05	0.0
48	19	-3.49e-03	2.53e-03	-0.05	-1.00e-04	-6.05e-05	0.0
48	20	-3.59e-03	7.32e-04	-0.05	-9.65e-05	-6.02e-05	0.0
48	31	-1.54e-03	5.03e-03	-0.05	-1.01e-04	-5.07e-05	0.0
48	51	-4.96e-03	2.90e-03	-0.05	-1.04e-04	-6.84e-05	0.0
48	52	-5.12e-03	3.67e-05	-0.05	-9.80e-05	-6.78e-05	0.0
48	63	-1.86e-03	6.87e-03	-0.05	-1.06e-04	-5.28e-05	0.0
48	70	-1.09e-03	2.25e-03	-0.05	-1.10e-04	-5.21e-05	0.0
48	72	-1.00e-03	1.98e-03	-0.04	-9.72e-05	-4.81e-05	0.0
49	2	-1.46e-03	3.33e-03	-0.06	-1.63e-04	-7.01e-05	0.0



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49	19	-3.54e-03	3.30e-03	-0.05	-1.14e-04	-6.34e-05	0.0
49	20	-3.64e-03	1.47e-03	-0.05	-1.10e-04	-6.30e-05	0.0
49	31	-1.56e-03	5.30e-03	-0.05	-1.13e-04	-5.19e-05	0.0
49	51	-5.05e-03	3.99e-03	-0.05	-1.20e-04	-7.25e-05	0.0
49	52	-5.21e-03	1.08e-03	-0.05	-1.14e-04	-7.19e-05	0.0
49	63	-1.89e-03	7.18e-03	-0.05	-1.18e-04	-5.43e-05	0.0
49	70	-1.10e-03	2.50e-03	-0.05	-1.23e-04	-5.29e-05	0.0
49	72	-1.02e-03	2.20e-03	-0.05	-1.08e-04	-4.89e-05	0.0
50	2	-1.80e-03	3.78e-03	-0.07	-1.85e-04	-8.73e-05	0.0
50	19	-3.79e-03	3.04e-03	-0.05	-1.25e-04	-7.55e-05	0.0
50	20	-3.92e-03	1.20e-03	-0.05	-1.19e-04	-7.49e-05	0.0
50	31	-1.74e-03	5.60e-03	-0.05	-1.29e-04	-6.37e-05	0.0
50	51	-5.31e-03	3.42e-03	-0.05	-1.30e-04	-8.51e-05	0.0
50	52	-5.51e-03	4.85e-04	-0.05	-1.20e-04	-8.42e-05	0.0
50	63	-2.05e-03	7.48e-03	-0.05	-1.36e-04	-6.63e-05	0.0
50	70	-1.36e-03	2.84e-03	-0.05	-1.39e-04	-6.59e-05	0.0
50	72	-1.25e-03	2.49e-03	-0.05	-1.22e-04	-6.05e-05	0.0
51	2	-1.87e-03	4.21e-03	-0.07	-2.06e-04	-8.98e-05	0.0
51	19	-3.90e-03	3.88e-03	-0.06	-1.43e-04	-8.03e-05	0.0
51	20	-4.03e-03	2.00e-03	-0.06	-1.36e-04	-7.97e-05	0.0
51	31	-1.80e-03	5.96e-03	-0.05	-1.45e-04	-6.61e-05	0.0
51	51	-5.46e-03	4.59e-03	-0.06	-1.50e-04	-9.17e-05	0.0
51	52	-5.65e-03	1.59e-03	-0.06	-1.39e-04	-9.08e-05	0.0
51	63	-2.12e-03	7.88e-03	-0.06	-1.52e-04	-6.91e-05	0.0
51	70	-1.41e-03	3.16e-03	-0.06	-1.54e-04	-6.78e-05	0.0
51	72	-1.30e-03	2.78e-03	-0.05	-1.36e-04	-6.22e-05	0.0
52	2	-2.17e-03	4.47e-03	-0.08	-2.16e-04	-1.08e-04	0.0
52	19	-4.13e-03	3.47e-03	-0.06	-1.45e-04	-9.33e-05	0.0
52	20	-4.29e-03	1.55e-03	-0.06	-1.36e-04	-9.25e-05	0.0
52	31	-1.95e-03	6.14e-03	-0.06	-1.54e-04	-7.88e-05	0.0
52	51	-5.70e-03	3.84e-03	-0.06	-1.50e-04	-1.05e-04	0.0
52	52	-5.95e-03	7.98e-04	-0.06	-1.35e-04	-1.04e-04	0.0
52	63	-2.23e-03	8.09e-03	-0.06	-1.64e-04	-8.22e-05	0.0
52	70	-1.64e-03	3.35e-03	-0.06	-1.62e-04	-8.17e-05	0.0
52	72	-1.50e-03	2.93e-03	-0.06	-1.42e-04	-7.48e-05	0.0
53	2	-2.49e-03	4.86e-03	-0.08	-2.38e-04	-1.18e-04	0.0
53	15	-4.63e-03	3.73e-03	-0.06	-1.62e-04	-1.06e-04	0.0
53	19	-4.62e-03	4.32e-03	-0.06	-1.65e-04	-1.06e-04	0.0
53	31	-2.68e-03	6.44e-03	-0.06	-1.70e-04	-1.07e-05	0.0
53	47	-6.37e-03	4.10e-03	-0.07	-1.69e-04	-1.21e-04	0.0
53	51	-6.36e-03	5.04e-03	-0.07	-1.73e-04	-1.22e-04	0.0
53	63	-3.27e-03	8.42e-03	-0.06	-1.80e-04	-9.27e-05	0.0
53	70	-1.88e-03	3.64e-03	-0.06	-1.78e-04	-8.91e-05	0.0
53	72	-1.71e-03	3.20e-03	-0.06	-1.57e-04	-8.12e-05	0.0
54	2	-2.69e-03	4.94e-03	-0.09	-2.36e-04	-1.36e-04	0.0
54	15	-4.64e-03	3.24e-03	-0.07	-1.57e-04	-1.12e-04	0.0
54	31	-2.82e-03	6.54e-03	-0.07	-1.71e-04	-1.00e-04	0.0
54	35	-2.90e-03	6.33e-03	-0.07	-1.71e-04	-1.02e-04	0.0
54	47	-6.32e-03	3.31e-03	-0.07	-1.62e-04	-1.25e-04	0.0
54	63	-3.42e-03	8.56e-03	-0.07	-1.84e-04	-1.06e-04	0.0
54	67	-3.55e-03	8.22e-03	-0.07	-1.84e-04	-1.09e-04	0.0
54	70	-2.03e-03	3.70e-03	-0.07	-1.77e-04	-1.03e-04	0.0
54	72	-1.85e-03	3.23e-03	-0.06	-1.54e-04	-9.33e-05	0.0
55	2	-2.34e-03	-4.07e-03	-0.08	1.99e-04	-1.18e-04	0.0
55	8	-4.30e-03	-2.65e-03	-0.06	1.30e-04	-9.41e-05	0.0
55	32	-2.64e-03	-5.62e-03	-0.06	1.42e-04	-8.80e-05	0.0
55	36	-2.57e-03	-5.82e-03	-0.06	1.42e-04	-8.70e-05	0.0
55	40	-5.91e-03	-2.69e-03	-0.06	1.33e-04	-1.03e-04	0.0
55	64	-3.27e-03	-7.42e-03	-0.06	1.52e-04	-9.33e-05	0.0
55	68	-3.16e-03	-7.74e-03	-0.06	1.52e-04	-9.16e-05	0.0
55	70	-1.76e-03	-3.05e-03	-0.06	1.49e-04	-8.88e-05	0.0
55	72	-1.61e-03	-2.66e-03	-0.06	1.30e-04	-8.10e-05	0.0
56	2	-2.10e-03	-3.97e-03	-0.08	1.94e-04	-1.04e-04	0.0
56	8	-4.10e-03	-2.59e-03	-0.06	1.28e-04	-8.39e-05	0.0
56	32	-1.94e-03	-5.54e-03	-0.06	1.38e-04	-7.72e-05	0.0
56	36	-1.87e-03	-5.74e-03	-0.06	1.38e-04	-7.62e-05	0.0
56	40	-5.67e-03	-2.63e-03	-0.06	1.30e-04	-9.18e-05	0.0
56	64	-2.24e-03	-7.33e-03	-0.06	1.47e-04	-8.12e-05	0.0
56	68	-2.14e-03	-7.64e-03	-0.06	1.47e-04	-7.97e-05	0.0
56	70	-1.58e-03	-2.98e-03	-0.06	1.46e-04	-7.87e-05	0.0
56	72	-1.45e-03	-2.60e-03	-0.06	1.28e-04	-7.20e-05	0.0
57	2	-1.70e-03	-3.59e-03	-0.07	1.76e-04	-8.27e-05	0.0
57	11	-3.78e-03	-1.05e-03	-0.05	1.10e-04	-6.79e-05	0.0
57	32	-1.69e-03	-5.24e-03	-0.05	1.23e-04	-6.10e-05	0.0
57	36	-1.64e-03	-5.43e-03	-0.05	1.23e-04	-6.01e-05	0.0
57	43	-5.33e-03	-3.28e-04	-0.05	1.10e-04	-7.48e-05	0.0



57	64	-2.01e-03	-6.98e-03	-0.05	1.30e-04	-6.38e-05	0.0
57	68	-1.93e-03	-7.30e-03	-0.05	1.30e-04	-6.24e-05	0.0
57	70	-1.28e-03	-2.69e-03	-0.05	1.32e-04	-6.24e-05	0.0
57	72	-1.18e-03	-2.36e-03	-0.05	1.16e-04	-5.75e-05	0.0
58	2	-1.36e-03	-2.99e-03	-0.06	1.46e-04	-6.53e-05	0.0
58	11	-3.49e-03	-7.02e-04	-0.04	9.33e-05	-5.51e-05	0.0
58	12	-3.38e-03	-2.49e-03	-0.05	9.78e-05	-5.54e-05	0.0
58	36	-1.45e-03	-4.98e-03	-0.04	1.01e-04	-4.78e-05	0.0
58	43	-5.00e-03	0.0	-0.05	9.34e-05	-6.12e-05	0.0
58	44	-4.82e-03	-2.85e-03	-0.05	1.01e-04	-6.18e-05	0.0
58	68	-1.76e-03	-6.81e-03	-0.05	1.06e-04	-4.96e-05	0.0
58	70	-1.03e-03	-2.24e-03	-0.05	1.10e-04	-4.93e-05	0.0
58	72	-9.49e-04	-1.96e-03	-0.04	9.64e-05	-4.56e-05	0.0
59	2	-1.10e-03	-2.25e-03	-0.05	1.10e-04	-5.24e-05	0.0
59	11	-3.26e-03	-2.58e-04	-0.04	7.13e-05	-4.50e-05	0.0
59	12	-3.17e-03	-2.01e-03	-0.04	7.42e-05	-4.53e-05	0.0
59	36	-1.33e-03	-4.46e-03	-0.04	7.54e-05	-3.87e-05	0.0
59	43	-4.73e-03	4.33e-04	-0.04	7.19e-05	-5.02e-05	0.0
59	44	-4.60e-03	-2.36e-03	-0.04	7.65e-05	-5.07e-05	0.0
59	68	-1.66e-03	-6.25e-03	-0.04	7.84e-05	-4.03e-05	0.0
59	70	-8.34e-04	-1.69e-03	-0.04	8.28e-05	-3.96e-05	0.0
59	72	-7.74e-04	-1.48e-03	-0.04	7.28e-05	-3.68e-05	0.0
60	2	-9.33e-04	-1.44e-03	-0.05	7.08e-05	-4.39e-05	0.0
60	11	-3.08e-03	2.47e-04	-0.04	4.63e-05	-3.82e-05	0.0
60	12	-3.03e-03	-1.49e-03	-0.04	4.80e-05	-3.81e-05	0.0
60	36	-1.26e-03	-3.91e-03	-0.04	4.81e-05	-3.21e-05	0.0
60	43	-4.52e-03	9.33e-04	-0.04	4.70e-05	-4.29e-05	0.0
60	44	-4.44e-03	-1.82e-03	-0.04	4.97e-05	-4.26e-05	0.0
60	68	-1.63e-03	-5.67e-03	-0.04	4.99e-05	-3.31e-05	0.0
60	70	-7.04e-04	-1.08e-03	-0.04	5.31e-05	-3.31e-05	0.0
60	72	-6.56e-04	-9.52e-04	-0.04	4.67e-05	-3.09e-05	0.0
61	2	-8.43e-04	-6.02e-04	-0.05	2.94e-05	-3.94e-05	0.0
61	11	-2.98e-03	7.85e-04	-0.04	1.96e-05	-3.43e-05	0.0
61	12	-2.95e-03	-9.34e-04	-0.04	2.06e-05	-3.42e-05	0.0
61	36	-1.25e-03	-3.35e-03	-0.04	2.06e-05	-2.92e-05	0.0
61	43	-4.39e-03	1.47e-03	-0.04	2.01e-05	-3.84e-05	0.0
61	44	-4.35e-03	-1.26e-03	-0.04	2.17e-05	-3.83e-05	0.0
61	68	-1.65e-03	-5.09e-03	-0.04	2.17e-05	-3.02e-05	0.0
61	70	-6.36e-04	-4.52e-04	-0.04	2.20e-05	-2.97e-05	0.0
61	72	-5.94e-04	-3.97e-04	-0.04	1.94e-05	-2.78e-05	0.0
62	1	-7.51e-04	2.09e-04	-0.05	-1.05e-05	-3.52e-05	0.0
62	2	-8.29e-04	2.51e-04	-0.05	-1.26e-05	-3.87e-05	0.0
62	19	-2.95e-03	7.08e-04	-0.04	-9.54e-06	-3.36e-05	0.0
62	20	-2.95e-03	-1.01e-03	-0.04	-8.59e-06	-3.36e-05	0.0
62	31	-1.27e-03	3.12e-03	-0.04	-9.42e-06	-2.88e-05	0.0
62	51	-4.34e-03	1.03e-03	-0.04	-1.04e-05	-3.75e-05	0.0
62	52	-4.36e-03	-1.70e-03	-0.04	-8.92e-06	-3.76e-05	0.0
62	63	-1.67e-03	4.86e-03	-0.04	-1.02e-05	-2.99e-05	0.0
62	69	-5.74e-04	1.60e-04	-0.04	-8.04e-06	-2.69e-05	0.0
62	70	-6.25e-04	1.88e-04	-0.04	-9.46e-06	-2.92e-05	0.0
62	71	-5.74e-04	1.60e-04	-0.04	-8.04e-06	-2.69e-05	0.0
62	72	-5.84e-04	1.66e-04	-0.04	-8.33e-06	-2.73e-05	0.0
63	2	-8.90e-04	1.10e-03	-0.05	-5.43e-05	-4.17e-05	0.0
63	19	-3.00e-03	1.26e-03	-0.04	-3.70e-05	-3.62e-05	0.0
63	20	-3.04e-03	-4.63e-04	-0.04	-3.57e-05	-3.64e-05	0.0
63	31	-1.25e-03	3.68e-03	-0.04	-3.71e-05	-3.06e-05	0.0
63	51	-4.40e-03	1.60e-03	-0.04	-3.85e-05	-4.06e-05	0.0
63	52	-4.47e-03	-1.15e-03	-0.04	-3.63e-05	-4.08e-05	0.0
63	63	-1.63e-03	5.43e-03	-0.04	-3.85e-05	-3.16e-05	0.0
63	70	-6.72e-04	8.25e-04	-0.04	-4.08e-05	-3.14e-05	0.0
63	72	-6.26e-04	7.25e-04	-0.04	-3.59e-05	-2.94e-05	0.0
64	2	-1.03e-03	1.92e-03	-0.05	-9.48e-05	-4.86e-05	0.0
64	19	-3.12e-03	1.80e-03	-0.04	-6.38e-05	-4.22e-05	0.0
64	20	-3.19e-03	5.69e-05	-0.04	-6.15e-05	-4.19e-05	0.0
64	31	-1.30e-03	4.24e-03	-0.04	-6.45e-05	-3.60e-05	0.0
64	51	-4.53e-03	2.15e-03	-0.04	-6.58e-05	-4.73e-05	0.0
64	52	-4.65e-03	-6.30e-04	-0.04	-6.21e-05	-4.69e-05	0.0
64	63	-1.64e-03	6.01e-03	-0.04	-6.70e-05	-3.75e-05	0.0
64	70	-7.78e-04	1.44e-03	-0.04	-7.11e-05	-3.67e-05	0.0
64	72	-7.23e-04	1.27e-03	-0.04	-6.25e-05	-3.42e-05	0.0
65	2	-1.25e-03	2.69e-03	-0.06	-1.32e-04	-5.96e-05	0.0
65	19	-3.30e-03	2.30e-03	-0.04	-8.86e-05	-5.10e-05	0.0
65	20	-3.40e-03	5.28e-04	-0.04	-8.48e-05	-5.07e-05	0.0
65	31	-1.40e-03	4.77e-03	-0.04	-9.10e-05	-4.38e-05	0.0
65	51	-4.73e-03	2.66e-03	-0.04	-9.11e-05	-5.70e-05	0.0
65	52	-4.90e-03	-1.67e-04	-0.04	-8.51e-05	-5.65e-05	0.0



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65	63	-1.71e-03	6.58e-03	-0.04	-9.50e-05	-4.55e-05	0.0
65	70	-9.45e-04	2.02e-03	-0.04	-9.94e-05	-4.50e-05	0.0
65	72	-8.75e-04	1.77e-03	-0.04	-8.73e-05	-4.17e-05	0.0
66	2	-1.56e-03	3.36e-03	-0.06	-1.65e-04	-7.52e-05	0.0
66	20	-3.66e-03	9.19e-04	-0.05	-1.04e-04	-6.24e-05	0.0
66	31	-1.56e-03	5.26e-03	-0.05	-1.15e-04	-5.47e-05	0.0
66	35	-1.61e-03	5.06e-03	-0.05	-1.15e-04	-5.56e-05	0.0
66	52	-5.20e-03	2.08e-04	-0.05	-1.04e-04	-6.90e-05	0.0
66	63	-1.85e-03	7.11e-03	-0.05	-1.21e-04	-5.68e-05	0.0
66	67	-1.93e-03	6.79e-03	-0.05	-1.21e-04	-5.81e-05	0.0
66	70	-1.18e-03	2.52e-03	-0.05	-1.24e-04	-5.68e-05	0.0
66	72	-1.08e-03	2.20e-03	-0.05	-1.08e-04	-5.24e-05	0.0
67	2	-1.93e-03	3.84e-03	-0.07	-1.88e-04	-9.53e-05	0.0
67	20	-3.97e-03	1.20e-03	-0.05	-1.18e-04	-7.62e-05	0.0
67	31	-1.77e-03	5.64e-03	-0.05	-1.33e-04	-6.94e-05	0.0
67	35	-1.83e-03	5.44e-03	-0.05	-1.33e-04	-7.03e-05	0.0
67	52	-5.53e-03	4.79e-04	-0.05	-1.17e-04	-8.32e-05	0.0
67	63	-2.05e-03	7.53e-03	-0.06	-1.41e-04	-7.23e-05	0.0
67	67	-2.14e-03	7.21e-03	-0.06	-1.42e-04	-7.37e-05	0.0
67	70	-1.46e-03	2.88e-03	-0.06	-1.41e-04	-7.19e-05	0.0
67	72	-1.34e-03	2.52e-03	-0.05	-1.24e-04	-6.59e-05	0.0
68	2	-2.34e-03	4.05e-03	-0.08	-1.98e-04	-1.18e-04	0.0
68	15	-4.30e-03	2.65e-03	-0.06	-1.30e-04	-9.39e-05	0.0
68	31	-2.57e-03	5.81e-03	-0.06	-1.42e-04	-8.69e-05	0.0
68	35	-2.64e-03	5.61e-03	-0.06	-1.42e-04	-8.80e-05	0.0
68	47	-5.90e-03	2.70e-03	-0.06	-1.33e-04	-1.03e-04	0.0
68	63	-3.16e-03	7.73e-03	-0.06	-1.51e-04	-9.16e-05	0.0
68	67	-3.27e-03	7.42e-03	-0.06	-1.51e-04	-9.32e-05	0.0
68	70	-1.77e-03	3.04e-03	-0.06	-1.49e-04	-8.88e-05	0.0
68	72	-1.61e-03	2.65e-03	-0.06	-1.30e-04	-8.10e-05	0.0
69	2	-1.66e-03	-3.60e-03	-0.08	1.78e-04	-8.31e-05	0.0
69	8	-3.73e-03	-2.35e-03	-0.06	1.15e-04	-6.58e-05	0.0
69	32	-1.61e-03	-5.23e-03	-0.06	1.26e-04	-6.33e-05	0.0
69	36	-1.55e-03	-5.42e-03	-0.06	1.26e-04	-6.28e-05	0.0
69	40	-5.26e-03	-2.39e-03	-0.06	1.17e-04	-7.09e-05	0.0
69	64	-1.89e-03	-6.98e-03	-0.06	1.34e-04	-6.71e-05	0.0
69	68	-1.80e-03	-7.29e-03	-0.06	1.34e-04	-6.63e-05	0.0
69	70	-1.26e-03	-2.70e-03	-0.06	1.33e-04	-6.29e-05	0.0
69	72	-1.16e-03	-2.35e-03	-0.06	1.16e-04	-5.81e-05	0.0
70	2	-1.50e-03	-3.53e-03	-0.07	1.75e-04	-7.39e-05	0.0
70	11	-3.60e-03	-1.01e-03	-0.05	1.08e-04	-5.78e-05	0.0
70	32	-1.51e-03	-5.17e-03	-0.05	1.23e-04	-5.58e-05	0.0
70	36	-1.46e-03	-5.36e-03	-0.05	1.23e-04	-5.53e-05	0.0
70	43	-5.11e-03	-2.91e-04	-0.05	1.06e-04	-6.20e-05	0.0
70	64	-1.79e-03	-6.91e-03	-0.05	1.31e-04	-5.88e-05	0.0
70	68	-1.71e-03	-7.22e-03	-0.05	1.31e-04	-5.80e-05	0.0
70	70	-1.13e-03	-2.64e-03	-0.06	1.31e-04	-5.59e-05	0.0
70	72	-1.05e-03	-2.31e-03	-0.05	1.14e-04	-5.18e-05	0.0
71	2	-1.22e-03	-3.22e-03	-0.06	1.59e-04	-5.92e-05	0.0
71	11	-3.38e-03	-8.31e-04	-0.05	9.87e-05	-4.80e-05	0.0
71	32	-1.36e-03	-4.93e-03	-0.05	1.11e-04	-4.45e-05	0.0
71	36	-1.31e-03	-5.12e-03	-0.05	1.11e-04	-4.40e-05	0.0
71	43	-4.87e-03	-1.26e-04	-0.05	9.77e-05	-5.21e-05	0.0
71	64	-1.66e-03	-6.65e-03	-0.05	1.17e-04	-4.66e-05	0.0
71	68	-1.59e-03	-6.95e-03	-0.05	1.17e-04	-4.58e-05	0.0
71	70	-9.27e-04	-2.41e-03	-0.05	1.19e-04	-4.48e-05	0.0
71	72	-8.63e-04	-2.11e-03	-0.05	1.04e-04	-4.17e-05	0.0
72	2	-9.94e-04	-2.70e-03	-0.06	1.33e-04	-4.72e-05	0.0
72	11	-3.18e-03	-5.29e-04	-0.04	8.36e-05	-3.96e-05	0.0
72	32	-1.23e-03	-4.56e-03	-0.04	9.20e-05	-3.56e-05	0.0
72	36	-1.20e-03	-4.74e-03	-0.04	9.19e-05	-3.52e-05	0.0
72	43	-4.65e-03	1.65e-04	-0.04	8.32e-05	-4.35e-05	0.0
72	64	-1.55e-03	-6.24e-03	-0.04	9.65e-05	-3.72e-05	0.0
72	68	-1.50e-03	-6.53e-03	-0.04	9.63e-05	-3.66e-05	0.0
72	70	-7.51e-04	-2.03e-03	-0.04	1.00e-04	-3.57e-05	0.0
72	72	-7.03e-04	-1.77e-03	-0.04	8.75e-05	-3.34e-05	0.0
73	2	-8.18e-04	-2.05e-03	-0.05	1.01e-04	-3.82e-05	0.0
73	11	-3.01e-03	-1.37e-04	-0.04	6.41e-05	-3.29e-05	0.0
73	32	-1.15e-03	-4.10e-03	-0.04	6.92e-05	-2.91e-05	0.0
73	36	-1.13e-03	-4.28e-03	-0.04	6.91e-05	-2.88e-05	0.0
73	43	-4.45e-03	5.47e-04	-0.04	6.41e-05	-3.65e-05	0.0
73	64	-1.50e-03	-5.75e-03	-0.04	7.22e-05	-3.05e-05	0.0
73	68	-1.46e-03	-6.04e-03	-0.04	7.20e-05	-3.00e-05	0.0
73	70	-6.18e-04	-1.54e-03	-0.04	7.59e-05	-2.89e-05	0.0
73	72	-5.81e-04	-1.35e-03	-0.04	6.65e-05	-2.72e-05	0.0
74	2	-6.99e-04	-1.32e-03	-0.05	6.53e-05	-3.23e-05	0.0



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74	11	-2.89e-03	3.14e-04	-0.04	4.17e-05	-2.84e-05	0.0
74	12	-2.83e-03	-1.40e-03	-0.04	4.34e-05	-2.82e-05	0.0
74	36	-1.10e-03	-3.78e-03	-0.04	4.43e-05	-2.39e-05	0.0
74	43	-4.30e-03	9.93e-04	-0.04	4.19e-05	-3.17e-05	0.0
74	44	-4.22e-03	-1.73e-03	-0.04	4.46e-05	-3.14e-05	0.0
74	68	-1.46e-03	-5.52e-03	-0.04	4.61e-05	-2.46e-05	0.0
74	70	-5.28e-04	-9.93e-04	-0.04	4.89e-05	-2.44e-05	0.0
74	72	-4.98e-04	-8.69e-04	-0.04	4.29e-05	-2.31e-05	0.0
75	1	-5.86e-04	-4.58e-04	-0.04	2.25e-05	-2.70e-05	0.0
75	2	-6.37e-04	-5.54e-04	-0.04	2.72e-05	-2.92e-05	0.0
75	11	-2.80e-03	8.01e-04	-0.03	1.75e-05	-2.57e-05	0.0
75	12	-2.78e-03	-8.97e-04	-0.03	1.86e-05	-2.56e-05	0.0
75	36	-1.11e-03	-3.27e-03	-0.03	1.91e-05	-2.19e-05	0.0
75	43	-4.19e-03	1.48e-03	-0.03	1.76e-05	-2.87e-05	0.0
75	44	-4.16e-03	-1.22e-03	-0.03	1.94e-05	-2.86e-05	0.0
75	68	-1.50e-03	-5.00e-03	-0.03	2.03e-05	-2.27e-05	0.0
75	69	-4.47e-04	-3.51e-04	-0.03	1.72e-05	-2.06e-05	0.0
75	70	-4.81e-04	-4.15e-04	-0.03	2.04e-05	-2.20e-05	0.0
75	71	-4.47e-04	-3.51e-04	-0.03	1.72e-05	-2.06e-05	0.0
75	72	-4.54e-04	-3.64e-04	-0.03	1.78e-05	-2.09e-05	0.0
76	1	-5.77e-04	1.91e-04	-0.04	-9.64e-06	-2.66e-05	0.0
76	2	-6.27e-04	2.31e-04	-0.04	-1.17e-05	-2.87e-05	0.0
76	19	-2.78e-03	6.92e-04	-0.03	-8.49e-06	-2.52e-05	0.0
76	20	-2.79e-03	-1.00e-03	-0.03	-7.48e-06	-2.52e-05	0.0
76	31	-1.12e-03	3.07e-03	-0.03	-8.95e-06	-2.16e-05	0.0
76	51	-4.16e-03	1.02e-03	-0.03	-9.14e-06	-2.81e-05	0.0
76	52	-4.17e-03	-1.68e-03	-0.03	-7.53e-06	-2.81e-05	0.0
76	63	-1.52e-03	4.79e-03	-0.03	-9.88e-06	-2.24e-05	0.0
76	69	-4.40e-04	1.46e-04	-0.03	-7.39e-06	-2.03e-05	0.0
76	70	-4.73e-04	1.73e-04	-0.03	-8.74e-06	-2.17e-05	0.0
76	71	-4.40e-04	1.46e-04	-0.03	-7.39e-06	-2.03e-05	0.0
76	72	-4.47e-04	1.52e-04	-0.03	-7.66e-06	-2.05e-05	0.0
77	2	-6.70e-04	1.01e-03	-0.05	-5.02e-05	-3.07e-05	0.0
77	19	-2.81e-03	1.20e-03	-0.04	-3.35e-05	-2.69e-05	0.0
77	20	-2.85e-03	-5.09e-04	-0.04	-3.21e-05	-2.71e-05	0.0
77	31	-1.10e-03	3.58e-03	-0.04	-3.42e-05	-2.29e-05	0.0
77	51	-4.19e-03	1.52e-03	-0.04	-3.45e-05	-3.00e-05	0.0
77	52	-4.26e-03	-1.19e-03	-0.04	-3.23e-05	-3.03e-05	0.0
77	63	-1.47e-03	5.31e-03	-0.04	-3.57e-05	-2.36e-05	0.0
77	70	-5.06e-04	7.57e-04	-0.04	-3.76e-05	-2.32e-05	0.0
77	72	-4.77e-04	6.63e-04	-0.04	-3.29e-05	-2.20e-05	0.0
78	2	-7.66e-04	1.76e-03	-0.05	-8.72e-05	-3.55e-05	0.0
78	19	-2.89e-03	1.68e-03	-0.04	-5.76e-05	-3.10e-05	0.0
78	20	-2.96e-03	-4.15e-05	-0.04	-5.53e-05	-3.08e-05	0.0
78	31	-1.11e-03	4.08e-03	-0.04	-5.93e-05	-2.68e-05	0.0
78	51	-4.28e-03	2.02e-03	-0.04	-5.91e-05	-3.46e-05	0.0
78	52	-4.39e-03	-7.21e-04	-0.04	-5.54e-05	-3.42e-05	0.0
78	63	-1.45e-03	5.83e-03	-0.04	-6.16e-05	-2.79e-05	0.0
78	70	-5.79e-04	1.32e-03	-0.04	-6.53e-05	-2.68e-05	0.0
78	72	-5.45e-04	1.15e-03	-0.04	-5.72e-05	-2.53e-05	0.0
79	2	-9.19e-04	2.45e-03	-0.05	-1.21e-04	-4.32e-05	0.0
79	20	-3.11e-03	3.77e-04	-0.04	-7.61e-05	-3.66e-05	0.0
79	31	-1.16e-03	4.56e-03	-0.04	-8.30e-05	-3.24e-05	0.0
79	35	-1.20e-03	4.37e-03	-0.04	-8.32e-05	-3.28e-05	0.0
79	52	-4.57e-03	-3.11e-04	-0.04	-7.58e-05	-4.04e-05	0.0
79	63	-1.47e-03	6.34e-03	-0.04	-8.68e-05	-3.36e-05	0.0
79	67	-1.53e-03	6.04e-03	-0.04	-8.70e-05	-3.43e-05	0.0
79	70	-6.95e-04	1.83e-03	-0.04	-9.08e-05	-3.27e-05	0.0
79	72	-6.52e-04	1.60e-03	-0.04	-7.94e-05	-3.07e-05	0.0
80	2	-1.13e-03	3.02e-03	-0.06	-1.50e-04	-5.40e-05	0.0
80	20	-3.30e-03	7.20e-04	-0.05	-9.32e-05	-4.43e-05	0.0
80	31	-1.26e-03	4.98e-03	-0.05	-1.04e-04	-4.02e-05	0.0
80	35	-1.30e-03	4.79e-03	-0.05	-1.04e-04	-4.07e-05	0.0
80	52	-4.78e-03	2.24e-05	-0.05	-9.24e-05	-4.84e-05	0.0
80	63	-1.54e-03	6.79e-03	-0.05	-1.09e-04	-4.10e-05	0.0
80	67	-1.61e-03	6.49e-03	-0.05	-1.09e-04	-4.25e-05	0.0
80	70	-8.54e-04	2.26e-03	-0.05	-1.12e-04	-4.09e-05	0.0
80	72	-7.98e-04	1.98e-03	-0.05	-9.80e-05	-3.82e-05	0.0
81	2	-1.39e-03	3.42e-03	-0.07	-1.69e-04	-6.78e-05	0.0
81	20	-3.51e-03	9.53e-04	-0.05	-1.05e-04	-5.37e-05	0.0
81	31	-1.40e-03	5.28e-03	-0.05	-1.19e-04	-5.06e-05	0.0
81	35	-1.45e-03	5.09e-03	-0.05	-1.19e-04	-5.11e-05	0.0
81	52	-5.02e-03	2.46e-04	-0.05	-1.04e-04	-5.78e-05	0.0
81	63	-1.66e-03	7.12e-03	-0.05	-1.26e-04	-5.28e-05	0.0
81	67	-1.74e-03	6.82e-03	-0.05	-1.26e-04	-5.36e-05	0.0
81	70	-1.05e-03	2.56e-03	-0.05	-1.27e-04	-5.13e-05	0.0



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81	72	-9.75e-04	2.24e-03	-0.05	-1.11e-04	-4.76e-05	0.0
82	2	-1.67e-03	3.58e-03	-0.08	-1.77e-04	-8.32e-05	0.0
82	15	-3.73e-03	2.34e-03	-0.06	-1.15e-04	-6.58e-05	0.0
82	31	-1.55e-03	5.41e-03	-0.06	-1.25e-04	-6.28e-05	0.0
82	35	-1.61e-03	5.22e-03	-0.06	-1.25e-04	-6.33e-05	0.0
82	47	-5.26e-03	2.39e-03	-0.06	-1.17e-04	-7.09e-05	0.0
82	63	-1.79e-03	7.28e-03	-0.06	-1.33e-04	-6.63e-05	0.0
82	67	-1.89e-03	6.97e-03	-0.06	-1.34e-04	-6.71e-05	0.0
82	70	-1.26e-03	2.68e-03	-0.06	-1.33e-04	-6.29e-05	0.0
82	72	-1.17e-03	2.34e-03	-0.06	-1.16e-04	-5.81e-05	0.0
83	2	-8.15e-04	-3.34e-03	-0.07	1.66e-04	-4.00e-05	0.0
83	11	-3.10e-03	-8.97e-04	-0.05	1.01e-04	-3.24e-05	0.0
83	32	-1.02e-03	-4.99e-03	-0.06	1.16e-04	-3.35e-05	0.0
83	36	-9.72e-04	-5.17e-03	-0.06	1.16e-04	-3.33e-05	0.0
83	43	-4.58e-03	-1.96e-04	-0.05	9.97e-05	-3.42e-05	0.0
83	64	-1.27e-03	-6.71e-03	-0.06	1.23e-04	-3.59e-05	0.0
83	68	-1.19e-03	-7.00e-03	-0.06	1.23e-04	-3.57e-05	0.0
83	70	-6.21e-04	-2.50e-03	-0.06	1.24e-04	-3.05e-05	0.0
83	72	-6.03e-04	-2.17e-03	-0.05	1.08e-04	-2.96e-05	0.0
84	2	-7.43e-04	-3.28e-03	-0.07	1.63e-04	-3.59e-05	0.0
84	11	-3.03e-03	-8.70e-04	-0.05	9.99e-05	-2.97e-05	0.0
84	32	-9.90e-04	-4.95e-03	-0.05	1.14e-04	-2.98e-05	0.0
84	36	-9.46e-04	-5.13e-03	-0.05	1.14e-04	-2.96e-05	0.0
84	43	-4.50e-03	-1.73e-04	-0.05	9.85e-05	-3.16e-05	0.0
84	64	-1.25e-03	-6.65e-03	-0.05	1.21e-04	-3.18e-05	0.0
84	68	-1.18e-03	-6.94e-03	-0.05	1.21e-04	-3.15e-05	0.0
84	70	-5.66e-04	-2.45e-03	-0.05	1.22e-04	-2.73e-05	0.0
84	72	-5.50e-04	-2.13e-03	-0.05	1.06e-04	-2.66e-05	0.0
85	2	-6.25e-04	-3.00e-03	-0.06	1.49e-04	-2.93e-05	0.0
85	11	-2.92e-03	-7.12e-04	-0.05	9.19e-05	-2.52e-05	0.0
85	32	-9.43e-04	-4.74e-03	-0.05	1.03e-04	-2.42e-05	0.0
85	36	-9.06e-04	-4.92e-03	-0.05	1.03e-04	-2.40e-05	0.0
85	43	-4.37e-03	-2.30e-05	-0.05	9.09e-05	-2.73e-05	0.0
85	64	-1.23e-03	-6.42e-03	-0.05	1.09e-04	-2.57e-05	0.0
85	68	-1.17e-03	-6.71e-03	-0.05	1.09e-04	-2.54e-05	0.0
85	70	-4.76e-04	-2.25e-03	-0.05	1.12e-04	-2.23e-05	0.0
85	72	-4.64e-04	-1.95e-03	-0.05	9.72e-05	-2.18e-05	0.0
86	2	-5.23e-04	-2.53e-03	-0.06	1.26e-04	-2.39e-05	0.0
86	11	-2.81e-03	-4.36e-04	-0.04	7.80e-05	-2.14e-05	0.0
86	32	-9.10e-04	-4.40e-03	-0.04	8.63e-05	-1.98e-05	0.0
86	36	-8.80e-04	-4.58e-03	-0.04	8.63e-05	-1.96e-05	0.0
86	43	-4.24e-03	2.45e-04	-0.04	7.74e-05	-2.35e-05	0.0
86	64	-1.22e-03	-6.06e-03	-0.04	9.06e-05	-2.09e-05	0.0
86	68	-1.17e-03	-6.34e-03	-0.04	9.05e-05	-2.06e-05	0.0
86	70	-3.98e-04	-1.90e-03	-0.04	9.42e-05	-1.82e-05	0.0
86	72	-3.89e-04	-1.65e-03	-0.04	8.21e-05	-1.79e-05	0.0
87	2	-4.46e-04	-1.93e-03	-0.05	9.60e-05	-1.99e-05	0.0
87	11	-2.72e-03	-7.38e-05	-0.04	5.99e-05	-1.84e-05	0.0
87	32	-8.96e-04	-3.98e-03	-0.04	6.53e-05	-1.65e-05	0.0
87	36	-8.74e-04	-4.16e-03	-0.04	6.52e-05	-1.63e-05	0.0
87	43	-4.13e-03	5.99e-04	-0.04	5.96e-05	-2.05e-05	0.0
87	64	-1.23e-03	-5.61e-03	-0.04	6.82e-05	-1.74e-05	0.0
87	68	-1.20e-03	-5.89e-03	-0.04	6.81e-05	-1.71e-05	0.0
87	70	-3.39e-04	-1.45e-03	-0.04	7.18e-05	-1.51e-05	0.0
87	72	-3.31e-04	-1.26e-03	-0.04	6.27e-05	-1.49e-05	0.0
88	2	-3.95e-04	-1.25e-03	-0.05	6.20e-05	-1.74e-05	0.0
88	11	-2.65e-03	3.46e-04	-0.03	3.89e-05	-1.63e-05	0.0
88	32	-9.03e-04	-3.52e-03	-0.04	4.22e-05	-1.43e-05	0.0
88	36	-8.89e-04	-3.69e-03	-0.04	4.21e-05	-1.41e-05	0.0
88	43	-4.04e-03	1.01e-03	-0.03	3.89e-05	-1.83e-05	0.0
88	64	-1.26e-03	-5.13e-03	-0.04	4.41e-05	-1.50e-05	0.0
88	68	-1.24e-03	-5.41e-03	-0.04	4.39e-05	-1.48e-05	0.0
88	70	-3.00e-04	-9.38e-04	-0.04	4.64e-05	-1.32e-05	0.0
88	72	-2.93e-04	-8.18e-04	-0.03	4.05e-05	-1.30e-05	0.0
89	1	-3.56e-04	-4.31e-04	-0.04	2.13e-05	-1.57e-05	0.0
89	2	-3.68e-04	-5.25e-04	-0.04	2.59e-05	-1.60e-05	0.0
89	11	-2.59e-03	8.01e-04	-0.03	1.62e-05	-1.52e-05	0.0
89	34	4.53e-04	-3.04e-03	-0.03	1.82e-05	-1.09e-05	0.0
89	36	-9.24e-04	-3.22e-03	-0.03	1.83e-05	-1.28e-05	0.0
89	43	-3.96e-03	1.47e-03	-0.03	1.62e-05	-1.71e-05	0.0
89	66	8.80e-04	-4.63e-03	-0.03	1.93e-05	-1.03e-05	0.0
89	68	-1.31e-03	-4.92e-03	-0.03	1.95e-05	-1.32e-05	0.0
89	69	-2.71e-04	-3.31e-04	-0.03	1.63e-05	-1.19e-05	0.0
89	70	-2.79e-04	-3.93e-04	-0.03	1.94e-05	-1.21e-05	0.0
89	71	-2.71e-04	-3.31e-04	-0.03	1.63e-05	-1.19e-05	0.0
89	72	-2.72e-04	-3.43e-04	-0.03	1.69e-05	-1.20e-05	0.0



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90	1	-3.52e-04	1.80e-04	-0.04	-9.13e-06	-1.55e-05	0.0
90	2	-3.64e-04	2.19e-04	-0.04	-1.11e-05	-1.58e-05	0.0
90	20	-2.58e-03	-9.92e-04	-0.03	-6.81e-06	-1.50e-05	0.0
90	29	4.37e-04	2.84e-03	-0.03	-8.85e-06	-1.08e-05	0.0
90	31	-9.40e-04	3.02e-03	-0.03	-8.72e-06	-1.26e-05	0.0
90	52	-3.94e-03	-1.66e-03	-0.03	-6.69e-06	-1.68e-05	0.0
90	61	8.53e-04	4.44e-03	-0.03	-9.95e-06	-1.02e-05	0.0
90	63	-1.34e-03	4.72e-03	-0.03	-9.74e-06	-1.32e-05	0.0
90	69	-2.68e-04	1.38e-04	-0.03	-7.00e-06	-1.18e-05	0.0
90	70	-2.76e-04	1.64e-04	-0.03	-8.32e-06	-1.20e-05	0.0
90	71	-2.68e-04	1.38e-04	-0.03	-7.00e-06	-1.18e-05	0.0
90	72	-2.69e-04	1.43e-04	-0.03	-7.26e-06	-1.18e-05	0.0
91	2	-3.83e-04	9.56e-04	-0.04	-4.77e-05	-1.67e-05	0.0
91	20	-2.63e-03	-5.28e-04	-0.03	-2.99e-05	-1.58e-05	0.0
91	29	4.71e-04	3.32e-03	-0.03	-3.24e-05	-1.13e-05	0.0
91	31	-8.99e-04	3.50e-03	-0.03	-3.26e-05	-1.31e-05	0.0
91	52	-4.01e-03	-1.19e-03	-0.03	-2.99e-05	-1.79e-05	0.0
91	61	9.15e-04	4.92e-03	-0.03	-3.38e-05	-1.07e-05	0.0
91	63	-1.26e-03	5.21e-03	-0.03	-3.40e-05	-1.36e-05	0.0
91	70	-2.90e-04	7.16e-04	-0.03	-3.57e-05	-1.26e-05	0.0
91	72	-2.83e-04	6.25e-04	-0.03	-3.12e-05	-1.25e-05	0.0
92	2	-4.25e-04	1.66e-03	-0.05	-8.27e-05	-1.87e-05	0.0
92	20	-2.69e-03	-9.15e-05	-0.04	-5.17e-05	-1.74e-05	0.0
92	31	-8.77e-04	3.97e-03	-0.04	-5.61e-05	-1.53e-05	0.0
92	35	-8.98e-04	3.79e-03	-0.04	-5.62e-05	-1.55e-05	0.0
92	52	-4.10e-03	-7.60e-04	-0.04	-5.15e-05	-1.95e-05	0.0
92	63	-1.21e-03	5.70e-03	-0.04	-5.85e-05	-1.61e-05	0.0
92	67	-1.24e-03	5.42e-03	-0.04	-5.86e-05	-1.63e-05	0.0
92	70	-3.22e-04	1.24e-03	-0.04	-6.19e-05	-1.42e-05	0.0
92	72	-3.15e-04	1.08e-03	-0.04	-5.40e-05	-1.40e-05	0.0
93	2	-4.92e-04	2.30e-03	-0.05	-1.14e-04	-2.21e-05	0.0
93	20	-2.78e-03	2.96e-04	-0.04	-7.11e-05	-2.00e-05	0.0
93	31	-8.75e-04	4.41e-03	-0.04	-7.81e-05	-1.81e-05	0.0
93	35	-9.03e-04	4.23e-03	-0.04	-7.82e-05	-1.83e-05	0.0
93	52	-4.20e-03	-3.79e-04	-0.04	-7.06e-05	-2.21e-05	0.0
93	63	-1.18e-03	6.16e-03	-0.04	-8.18e-05	-1.90e-05	0.0
93	67	-1.22e-03	5.88e-03	-0.04	-8.19e-05	-1.93e-05	0.0
93	70	-3.74e-04	1.72e-03	-0.04	-8.56e-05	-1.68e-05	0.0
93	72	-3.66e-04	1.50e-03	-0.04	-7.47e-05	-1.66e-05	0.0
94	2	-5.85e-04	2.82e-03	-0.06	-1.41e-04	-2.70e-05	0.0
94	20	-2.88e-03	6.11e-04	-0.04	-8.69e-05	-2.35e-05	0.0
94	31	-8.93e-04	4.79e-03	-0.04	-9.69e-05	-2.21e-05	0.0
94	35	-9.29e-04	4.61e-03	-0.04	-9.70e-05	-2.23e-05	0.0
94	52	-4.32e-03	-7.20e-05	-0.04	-8.60e-05	-2.56e-05	0.0
94	63	-1.16e-03	6.57e-03	-0.04	-1.02e-04	-2.33e-05	0.0
94	67	-1.22e-03	6.28e-03	-0.04	-1.02e-04	-2.36e-05	0.0
94	70	-4.45e-04	2.11e-03	-0.05	-1.05e-04	-2.05e-05	0.0
94	72	-4.34e-04	1.84e-03	-0.04	-9.17e-05	-2.01e-05	0.0
95	2	-6.98e-04	3.18e-03	-0.07	-1.59e-04	-3.32e-05	0.0
95	20	-2.99e-03	8.20e-04	-0.05	-9.74e-05	-2.78e-05	0.0
95	31	-9.28e-04	5.05e-03	-0.05	-1.10e-04	-2.73e-05	0.0
95	35	-9.71e-04	4.87e-03	-0.05	-1.10e-04	-2.75e-05	0.0
95	52	-4.45e-03	1.30e-04	-0.05	-9.63e-05	-2.98e-05	0.0
95	63	-1.17e-03	6.86e-03	-0.05	-1.17e-04	-2.90e-05	0.0
95	67	-1.24e-03	6.57e-03	-0.05	-1.17e-04	-2.93e-05	0.0
95	70	-5.31e-04	2.38e-03	-0.05	-1.19e-04	-2.53e-05	0.0
95	72	-5.17e-04	2.07e-03	-0.05	-1.03e-04	-2.46e-05	0.0
96	2	-8.19e-04	3.32e-03	-0.07	-1.65e-04	-4.01e-05	0.0
96	20	-3.11e-03	8.91e-04	-0.05	-1.01e-04	-3.24e-05	0.0
96	31	-9.72e-04	5.16e-03	-0.06	-1.16e-04	-3.34e-05	0.0
96	35	-1.02e-03	4.98e-03	-0.06	-1.16e-04	-3.36e-05	0.0
96	52	-4.58e-03	1.94e-04	-0.05	-9.95e-05	-3.43e-05	0.0
96	63	-1.19e-03	6.98e-03	-0.06	-1.23e-04	-3.57e-05	0.0
96	67	-1.27e-03	6.69e-03	-0.06	-1.23e-04	-3.60e-05	0.0
96	70	-6.24e-04	2.48e-03	-0.06	-1.24e-04	-3.05e-05	0.0
96	72	-6.05e-04	2.16e-03	-0.05	-1.08e-04	-2.96e-05	0.0
97	2	9.57e-05	-3.27e-03	-0.07	1.63e-04	6.32e-06	0.0
97	4	1.04e-04	-2.64e-03	-0.06	1.32e-04	6.41e-06	0.0
97	11	-2.47e-03	-8.79e-04	-0.05	9.93e-05	0.0	0.0
97	32	-3.95e-04	-4.90e-03	-0.05	1.14e-04	-3.03e-06	0.0
97	36	-3.52e-04	-5.08e-03	-0.05	1.14e-04	-3.04e-06	0.0
97	43	-3.91e-03	-1.96e-04	-0.05	9.78e-05	0.0	0.0
97	64	-6.17e-04	-6.60e-03	-0.06	1.21e-04	-4.88e-06	0.0
97	68	-5.49e-04	-6.87e-03	-0.06	1.20e-04	-4.92e-06	0.0
97	70	6.24e-05	-2.45e-03	-0.06	1.22e-04	4.29e-06	0.0
97	71	-1.72e-05	-2.04e-03	-0.05	1.02e-04	0.0	0.0



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97	72	-1.27e-06	-2.12e-03	-0.05	1.06e-04	1.02e-06	0.0
98	2	6.84e-05	-3.22e-03	-0.07	1.61e-04	5.12e-06	0.0
98	4	7.98e-05	-2.60e-03	-0.05	1.30e-04	5.36e-06	0.0
98	11	-2.46e-03	-8.52e-04	-0.05	9.79e-05	0.0	0.0
98	32	-4.36e-04	-4.86e-03	-0.05	1.11e-04	-2.90e-06	0.0
98	36	-3.96e-04	-5.03e-03	-0.05	1.11e-04	-2.90e-06	0.0
98	43	-3.90e-03	-1.73e-04	-0.05	9.67e-05	-1.14e-06	0.0
98	64	-6.76e-04	-6.55e-03	-0.05	1.18e-04	-4.45e-06	0.0
98	68	-6.14e-04	-6.82e-03	-0.05	1.18e-04	-4.47e-06	0.0
98	70	4.30e-05	-2.41e-03	-0.05	1.20e-04	3.45e-06	0.0
98	71	-2.76e-05	-2.00e-03	-0.05	1.00e-04	0.0	0.0
98	72	-1.35e-05	-2.09e-03	-0.05	1.04e-04	0.0	0.0
99	1	-5.82e-05	-2.40e-03	-0.06	1.20e-04	-1.22e-06	0.0
99	2	2.55e-05	-2.95e-03	-0.06	1.47e-04	3.20e-06	0.0
99	11	-2.45e-03	-6.97e-04	-0.04	9.01e-05	-1.87e-06	0.0
99	32	-5.01e-04	-4.66e-03	-0.05	1.01e-04	-2.83e-06	0.0
99	36	-4.68e-04	-4.83e-03	-0.05	1.01e-04	-2.80e-06	0.0
99	43	-3.87e-03	-2.47e-05	-0.04	8.92e-05	-2.45e-06	0.0
99	64	-7.71e-04	-6.33e-03	-0.05	1.07e-04	-3.98e-06	0.0
99	68	-7.19e-04	-6.60e-03	-0.05	1.07e-04	-3.94e-06	0.0
99	69	-4.33e-05	-1.84e-03	-0.04	9.17e-05	0.0	0.0
99	70	1.25e-05	-2.20e-03	-0.05	1.10e-04	2.09e-06	0.0
99	71	-4.33e-05	-1.84e-03	-0.04	9.17e-05	0.0	0.0
99	72	-3.21e-05	-1.91e-03	-0.05	9.54e-05	0.0	0.0
100	1	-7.60e-05	-2.03e-03	-0.05	1.01e-04	-2.02e-06	0.0
100	2	-1.20e-05	-2.49e-03	-0.05	1.24e-04	1.43e-06	0.0
100	11	-2.44e-03	-4.28e-04	-0.04	7.66e-05	-2.81e-06	0.0
100	34	8.04e-04	-4.33e-03	-0.04	8.43e-05	-1.95e-06	0.0
100	36	-5.38e-04	-4.51e-03	-0.04	8.48e-05	-2.83e-06	0.0
100	43	-3.84e-03	2.37e-04	-0.04	7.60e-05	-3.59e-06	0.0
100	66	1.31e-03	-5.96e-03	-0.04	8.83e-05	-2.24e-06	0.0
100	68	-8.21e-04	-6.24e-03	-0.04	8.91e-05	-3.64e-06	0.0
100	69	-5.67e-05	-1.56e-03	-0.04	7.76e-05	-1.45e-06	0.0
100	70	-1.40e-05	-1.87e-03	-0.04	9.30e-05	0.0	0.0
100	71	-5.67e-05	-1.56e-03	-0.04	7.76e-05	-1.45e-06	0.0
100	72	-4.82e-05	-1.62e-03	-0.04	8.07e-05	0.0	0.0
101	1	-9.09e-05	-1.56e-03	-0.05	7.75e-05	-2.74e-06	0.0
101	2	-4.30e-05	-1.91e-03	-0.05	9.50e-05	0.0	0.0
101	11	-2.42e-03	-7.44e-05	-0.04	5.88e-05	-3.58e-06	0.0
101	34	7.44e-04	-3.92e-03	-0.04	6.40e-05	-2.05e-06	0.0
101	36	-6.04e-04	-4.10e-03	-0.04	6.43e-05	-2.98e-06	0.0
101	43	-3.81e-03	5.84e-04	-0.04	5.85e-05	-4.51e-06	0.0
101	66	1.22e-03	-5.53e-03	-0.04	6.67e-05	-2.08e-06	0.0
101	68	-9.20e-04	-5.81e-03	-0.04	6.72e-05	-3.56e-06	0.0
101	69	-6.79e-05	-1.19e-03	-0.04	5.94e-05	-2.00e-06	0.0
101	70	-3.60e-05	-1.43e-03	-0.04	7.11e-05	0.0	0.0
101	71	-6.79e-05	-1.19e-03	-0.04	5.94e-05	-2.00e-06	0.0
101	72	-6.15e-05	-1.24e-03	-0.04	6.17e-05	-1.65e-06	0.0
102	1	-1.02e-04	-1.01e-03	-0.04	5.02e-05	-3.30e-06	0.0
102	2	-6.58e-05	-1.24e-03	-0.05	6.15e-05	-1.24e-06	0.0
102	11	-2.40e-03	3.37e-04	-0.03	3.82e-05	-4.12e-06	0.0
102	34	6.87e-04	-3.47e-03	-0.03	4.14e-05	-2.19e-06	0.0
102	36	-6.67e-04	-3.64e-03	-0.03	4.16e-05	-3.16e-06	0.0
102	43	-3.77e-03	9.92e-04	-0.03	3.81e-05	-5.12e-06	0.0
102	66	1.14e-03	-5.06e-03	-0.03	4.31e-05	-2.04e-06	0.0
102	68	-1.02e-03	-5.34e-03	-0.03	4.35e-05	-3.59e-06	0.0
102	69	-7.63e-05	-7.74e-04	-0.03	3.85e-05	-2.43e-06	0.0
102	70	-5.22e-05	-9.26e-04	-0.03	4.60e-05	-1.05e-06	0.0
102	71	-7.63e-05	-7.74e-04	-0.03	3.85e-05	-2.43e-06	0.0
102	72	-7.15e-05	-8.05e-04	-0.03	4.00e-05	-2.15e-06	0.0
103	1	-1.09e-04	-4.24e-04	-0.04	2.10e-05	-3.63e-06	0.0
103	2	-7.90e-05	-5.19e-04	-0.04	2.57e-05	-1.90e-06	0.0
103	11	-2.37e-03	7.84e-04	-0.03	1.58e-05	-4.40e-06	0.0
103	18	2.20e-03	-8.69e-04	-0.03	1.66e-05	-1.02e-06	0.0
103	36	-7.27e-04	-3.17e-03	-0.03	1.81e-05	-3.26e-06	0.0
103	43	-3.73e-03	1.44e-03	-0.03	1.57e-05	-5.41e-06	0.0
103	50	3.54e-03	-1.19e-03	-0.03	1.69e-05	0.0	0.0
103	68	-1.11e-03	-4.85e-03	-0.03	1.94e-05	-3.60e-06	0.0
103	69	-8.13e-05	-3.25e-04	-0.03	1.61e-05	-2.67e-06	0.0
103	70	-6.16e-05	-3.89e-04	-0.03	1.92e-05	-1.52e-06	0.0
103	71	-8.13e-05	-3.25e-04	-0.03	1.61e-05	-2.67e-06	0.0
103	72	-7.74e-05	-3.38e-04	-0.03	1.67e-05	-2.44e-06	0.0
104	1	-1.10e-04	1.77e-04	-0.04	-9.01e-06	-3.68e-06	0.0
104	2	-8.16e-05	2.17e-04	-0.04	-1.10e-05	-2.01e-06	0.0
104	9	2.19e-03	6.78e-04	-0.03	-7.36e-06	-1.04e-06	0.0
104	20	-2.37e-03	-9.71e-04	-0.03	-6.58e-06	-4.42e-06	0.0



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104	31	-7.47e-04	2.98e-03	-0.03	-8.82e-06	-3.26e-06	0.0
104	41	3.53e-03	9.99e-04	-0.03	-7.63e-06	0.0	0.0
104	52	-3.72e-03	-1.62e-03	-0.03	-6.39e-06	-5.43e-06	0.0
104	63	-1.14e-03	4.66e-03	-0.03	-9.95e-06	-3.59e-06	0.0
104	69	-8.24e-05	1.36e-04	-0.03	-6.91e-06	-2.71e-06	0.0
104	70	-6.35e-05	1.63e-04	-0.03	-8.26e-06	-1.60e-06	0.0
104	71	-8.24e-05	1.36e-04	-0.03	-6.91e-06	-2.71e-06	0.0
104	72	-7.86e-05	1.41e-04	-0.03	-7.18e-06	-2.49e-06	0.0
105	1	-1.06e-04	7.72e-04	-0.04	-3.87e-05	-3.45e-06	0.0
105	2	-7.35e-05	9.46e-04	-0.04	-4.74e-05	-1.55e-06	0.0
105	9	2.20e-03	1.13e-03	-0.03	-3.02e-05	0.0	0.0
105	20	-2.39e-03	-5.15e-04	-0.03	-2.94e-05	-4.23e-06	0.0
105	31	-6.90e-04	3.45e-03	-0.03	-3.23e-05	-3.21e-06	0.0
105	41	3.54e-03	1.45e-03	-0.03	-3.05e-05	0.0	0.0
105	52	-3.76e-03	-1.17e-03	-0.03	-2.92e-05	-5.23e-06	0.0
105	63	-1.05e-03	5.14e-03	-0.03	-3.38e-05	-3.60e-06	0.0
105	69	-7.95e-05	5.92e-04	-0.03	-2.96e-05	-2.54e-06	0.0
105	70	-5.77e-05	7.08e-04	-0.03	-3.54e-05	-1.27e-06	0.0
105	71	-7.95e-05	5.92e-04	-0.03	-2.96e-05	-2.54e-06	0.0
105	72	-7.52e-05	6.15e-04	-0.03	-3.08e-05	-2.28e-06	0.0
106	1	-9.75e-05	1.34e-03	-0.05	-6.69e-05	-2.96e-06	0.0
106	2	-5.51e-05	1.64e-03	-0.05	-8.19e-05	0.0	0.0
106	20	-2.42e-03	-8.73e-05	-0.04	-5.08e-05	-3.77e-06	0.0
106	29	7.19e-04	3.74e-03	-0.04	-5.51e-05	-2.11e-06	0.0
106	31	-6.29e-04	3.91e-03	-0.04	-5.54e-05	-3.04e-06	0.0
106	52	-3.80e-03	-7.42e-04	-0.04	-5.05e-05	-4.71e-06	0.0
106	61	1.19e-03	5.34e-03	-0.04	-5.73e-05	-2.08e-06	0.0
106	63	-9.56e-04	5.62e-03	-0.04	-5.78e-05	-3.55e-06	0.0
106	69	-7.30e-05	1.02e-03	-0.04	-5.12e-05	-2.17e-06	0.0
106	70	-4.47e-05	1.23e-03	-0.04	-6.13e-05	0.0	0.0
106	71	-7.30e-05	1.02e-03	-0.04	-5.12e-05	-2.17e-06	0.0
106	72	-6.73e-05	1.07e-03	-0.04	-5.33e-05	-1.85e-06	0.0
107	1	-8.46e-05	1.84e-03	-0.05	-9.22e-05	-2.29e-06	0.0
107	2	-2.77e-05	2.26e-03	-0.05	-1.13e-04	0.0	0.0
107	20	-2.43e-03	2.92e-04	-0.04	-6.98e-05	-3.07e-06	0.0
107	29	7.78e-04	4.16e-03	-0.04	-7.65e-05	-1.99e-06	0.0
107	31	-5.64e-04	4.34e-03	-0.04	-7.69e-05	-2.87e-06	0.0
107	52	-3.83e-03	-3.69e-04	-0.04	-6.93e-05	-3.90e-06	0.0
107	61	1.27e-03	5.79e-03	-0.04	-7.99e-05	-2.18e-06	0.0
107	63	-8.59e-04	6.07e-03	-0.04	-8.06e-05	-3.57e-06	0.0
107	69	-6.32e-05	1.41e-03	-0.04	-7.07e-05	-1.66e-06	0.0
107	70	-2.53e-05	1.69e-03	-0.04	-8.46e-05	0.0	0.0
107	71	-6.32e-05	1.41e-03	-0.04	-7.07e-05	-1.66e-06	0.0
107	72	-5.57e-05	1.47e-03	-0.04	-7.35e-05	-1.25e-06	0.0
108	1	-6.84e-05	2.26e-03	-0.06	-1.13e-04	-1.53e-06	0.0
108	2	6.85e-06	2.77e-03	-0.06	-1.39e-04	2.48e-06	0.0
108	20	-2.45e-03	5.98e-04	-0.04	-8.52e-05	-2.21e-06	0.0
108	29	8.39e-04	4.53e-03	-0.04	-9.46e-05	-1.96e-06	0.0
108	31	-4.96e-04	4.71e-03	-0.04	-9.51e-05	-2.80e-06	0.0
108	52	-3.87e-03	-6.97e-05	-0.04	-8.44e-05	-2.86e-06	0.0
108	61	1.36e-03	6.17e-03	-0.04	-9.93e-05	-2.47e-06	0.0
108	63	-7.58e-04	6.46e-03	-0.04	-1.00e-04	-3.79e-06	0.0
108	69	-5.10e-05	1.73e-03	-0.04	-8.66e-05	-1.09e-06	0.0
108	70	0.0	2.07e-03	-0.04	-1.04e-04	1.59e-06	0.0
108	71	-5.10e-05	1.73e-03	-0.04	-8.66e-05	-1.09e-06	0.0
108	72	-4.10e-05	1.80e-03	-0.04	-9.00e-05	0.0	0.0
109	2	4.73e-05	3.12e-03	-0.07	-1.56e-04	4.32e-06	0.0
109	4	6.17e-05	2.52e-03	-0.05	-1.26e-04	4.66e-06	0.0
109	20	-2.46e-03	8.01e-04	-0.05	-9.55e-05	-1.26e-06	0.0
109	31	-4.25e-04	4.96e-03	-0.05	-1.08e-04	-2.87e-06	0.0
109	35	-4.64e-04	4.79e-03	-0.05	-1.08e-04	-2.89e-06	0.0
109	52	-3.89e-03	1.27e-04	-0.05	-9.43e-05	-1.69e-06	0.0
109	63	-6.54e-04	6.74e-03	-0.05	-1.14e-04	-4.26e-06	0.0
109	67	-7.15e-04	6.47e-03	-0.05	-1.14e-04	-4.27e-06	0.0
109	69	-3.65e-05	1.95e-03	-0.05	-9.73e-05	0.0	0.0
109	70	2.78e-05	2.33e-03	-0.05	-1.17e-04	2.88e-06	0.0
109	71	-3.65e-05	1.95e-03	-0.05	-9.73e-05	0.0	0.0
109	72	-2.36e-05	2.02e-03	-0.05	-1.01e-04	0.0	0.0
110	2	9.21e-05	3.25e-03	-0.07	-1.63e-04	6.27e-06	0.0
110	4	1.01e-04	2.63e-03	-0.06	-1.31e-04	6.37e-06	0.0
110	20	-2.47e-03	8.71e-04	-0.05	-9.89e-05	0.0	0.0
110	31	-3.52e-04	5.06e-03	-0.05	-1.13e-04	-3.10e-06	0.0
110	35	-3.96e-04	4.89e-03	-0.05	-1.13e-04	-3.09e-06	0.0
110	52	-3.91e-03	1.91e-04	-0.05	-9.76e-05	0.0	0.0
110	63	-5.47e-04	6.86e-03	-0.06	-1.20e-04	-5.00e-06	0.0
110	67	-6.18e-04	6.58e-03	-0.06	-1.20e-04	-4.96e-06	0.0



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110	70	5.96e-05	2.43e-03	-0.06	-1.22e-04	4.26e-06	0.0
110	71	-1.98e-05	2.02e-03	-0.05	-1.01e-04	0.0	0.0
110	72	-3.90e-06	2.11e-03	-0.05	-1.05e-04	0.0	0.0
111	2	9.87e-04	-3.41e-03	-0.08	1.70e-04	5.17e-05	0.0
111	10	2.97e-03	-3.24e-03	-0.05	1.08e-04	2.91e-05	0.0
111	32	2.13e-04	-4.97e-03	-0.06	1.18e-04	3.34e-05	0.0
111	36	2.53e-04	-5.13e-03	-0.06	1.18e-04	3.32e-05	0.0
111	42	4.39e-03	-3.91e-03	-0.05	1.09e-04	2.92e-05	0.0
111	64	1.51e-05	-6.65e-03	-0.06	1.25e-04	3.59e-05	0.0
111	68	7.73e-05	-6.91e-03	-0.06	1.25e-04	3.56e-05	0.0
111	70	7.31e-04	-2.55e-03	-0.06	1.27e-04	3.83e-05	0.0
111	72	5.86e-04	-2.20e-03	-0.05	1.10e-04	3.09e-05	0.0
112	2	8.59e-04	-3.35e-03	-0.07	1.67e-04	4.51e-05	0.0
112	10	2.88e-03	-3.20e-03	-0.05	1.06e-04	2.54e-05	0.0
112	32	9.98e-05	-4.92e-03	-0.05	1.16e-04	2.86e-05	0.0
112	36	1.36e-04	-5.08e-03	-0.05	1.15e-04	2.85e-05	0.0
112	42	4.30e-03	-3.87e-03	-0.05	1.07e-04	2.55e-05	0.0
112	64	-1.22e-04	-6.59e-03	-0.05	1.23e-04	3.06e-05	0.0
112	68	-6.51e-05	-6.85e-03	-0.05	1.22e-04	3.03e-05	0.0
112	70	6.36e-04	-2.50e-03	-0.05	1.25e-04	3.35e-05	0.0
112	72	5.08e-04	-2.16e-03	-0.05	1.08e-04	2.69e-05	0.0
113	2	6.53e-04	-3.07e-03	-0.06	1.53e-04	3.46e-05	0.0
113	10	2.74e-03	-3.02e-03	-0.05	9.63e-05	1.94e-05	0.0
113	34	1.27e-03	-4.69e-03	-0.05	1.04e-04	2.11e-05	0.0
113	36	-4.92e-05	-4.87e-03	-0.05	1.05e-04	2.13e-05	0.0
113	42	4.14e-03	-3.67e-03	-0.05	9.72e-05	1.95e-05	0.0
113	66	1.81e-03	-6.34e-03	-0.05	1.10e-04	2.22e-05	0.0
113	68	-2.90e-04	-6.62e-03	-0.05	1.11e-04	2.25e-05	0.0
113	70	4.84e-04	-2.29e-03	-0.05	1.14e-04	2.57e-05	0.0
113	72	3.84e-04	-1.98e-03	-0.05	9.87e-05	2.06e-05	0.0
114	2	4.76e-04	-2.59e-03	-0.06	1.29e-04	2.56e-05	0.0
114	10	2.61e-03	-2.71e-03	-0.04	8.12e-05	1.42e-05	0.0
114	34	1.11e-03	-4.36e-03	-0.04	8.73e-05	1.32e-05	0.0
114	36	-2.14e-04	-4.53e-03	-0.04	8.78e-05	1.30e-05	0.0
114	42	4.00e-03	-3.36e-03	-0.04	8.17e-05	1.42e-05	0.0
114	66	1.62e-03	-5.98e-03	-0.04	9.14e-05	1.26e-05	0.0
114	68	-4.92e-04	-6.25e-03	-0.04	9.23e-05	1.23e-05	0.0
114	70	3.53e-04	-1.94e-03	-0.04	9.66e-05	1.90e-05	0.0
114	72	2.77e-04	-1.68e-03	-0.04	8.35e-05	1.51e-05	0.0
115	2	3.37e-04	-1.98e-03	-0.05	9.87e-05	1.85e-05	0.0
115	10	2.50e-03	-2.33e-03	-0.04	6.19e-05	1.05e-05	0.0
115	34	9.83e-04	-3.94e-03	-0.04	6.61e-05	9.74e-06	0.0
115	36	-3.53e-04	-4.10e-03	-0.04	6.66e-05	9.43e-06	0.0
115	42	3.88e-03	-2.97e-03	-0.04	6.21e-05	1.07e-05	0.0
115	66	1.46e-03	-5.53e-03	-0.04	6.89e-05	9.52e-06	0.0
115	68	-6.66e-04	-5.80e-03	-0.04	6.96e-05	9.03e-06	0.0
115	70	2.49e-04	-1.48e-03	-0.04	7.38e-05	1.38e-05	0.0
115	72	1.93e-04	-1.28e-03	-0.04	6.38e-05	1.08e-05	0.0
116	2	2.40e-04	-1.29e-03	-0.05	6.39e-05	1.37e-05	0.0
116	10	2.42e-03	-1.89e-03	-0.03	4.00e-05	7.90e-06	0.0
116	34	8.79e-04	-3.47e-03	-0.03	4.28e-05	7.28e-06	0.0
116	36	-4.64e-04	-3.63e-03	-0.03	4.30e-05	6.90e-06	0.0
116	42	3.78e-03	-2.53e-03	-0.04	4.01e-05	8.23e-06	0.0
116	66	1.32e-03	-5.04e-03	-0.04	4.45e-05	7.25e-06	0.0
116	68	-8.10e-04	-5.30e-03	-0.03	4.50e-05	6.65e-06	0.0
116	70	1.78e-04	-9.61e-04	-0.03	4.77e-05	1.01e-05	0.0
116	72	1.34e-04	-8.32e-04	-0.03	4.13e-05	7.88e-06	0.0
117	2	1.87e-04	-5.39e-04	-0.04	2.66e-05	1.10e-05	0.0
117	10	2.37e-03	-1.42e-03	-0.03	1.68e-05	6.49e-06	0.0
117	18	2.35e-03	-8.83e-04	-0.03	1.71e-05	6.48e-06	0.0
117	36	-5.48e-04	-3.15e-03	-0.03	1.87e-05	5.52e-06	0.0
117	42	3.71e-03	-2.06e-03	-0.03	1.70e-05	6.89e-06	0.0
117	50	3.68e-03	-1.21e-03	-0.03	1.74e-05	6.87e-06	0.0
117	68	-9.25e-04	-4.80e-03	-0.03	2.00e-05	5.36e-06	0.0
117	70	1.38e-04	-4.03e-04	-0.03	1.99e-05	8.18e-06	0.0
117	72	1.02e-04	-3.49e-04	-0.03	1.73e-05	6.28e-06	0.0
118	1	1.12e-04	1.83e-04	-0.04	-9.31e-06	7.12e-06	0.0
118	2	1.78e-04	2.26e-04	-0.04	-1.15e-05	1.06e-05	0.0
118	9	2.34e-03	6.87e-04	-0.03	-7.65e-06	6.25e-06	0.0
118	17	2.35e-03	1.22e-03	-0.03	-7.49e-06	6.26e-06	0.0
118	31	-5.72e-04	2.95e-03	-0.03	-9.08e-06	5.31e-06	0.0
118	41	3.67e-03	1.01e-03	-0.03	-7.95e-06	6.66e-06	0.0
118	49	3.69e-03	1.86e-03	-0.03	-7.70e-06	6.66e-06	0.0
118	63	-9.61e-04	4.60e-03	-0.03	-1.02e-05	5.16e-06	0.0
118	69	8.77e-05	1.41e-04	-0.03	-7.14e-06	5.56e-06	0.0
118	70	1.31e-04	1.69e-04	-0.03	-8.57e-06	7.86e-06	0.0



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118	71	8.77e-05	1.41e-04	-0.03	-7.14e-06	5.56e-06	0.0
118	72	9.65e-05	1.46e-04	-0.03	-7.42e-06	6.02e-06	0.0
119	2	2.12e-04	9.83e-04	-0.04	-4.92e-05	1.23e-05	0.0
119	9	2.37e-03	1.16e-03	-0.03	-3.11e-05	7.17e-06	0.0
119	17	2.40e-03	1.69e-03	-0.03	-3.08e-05	7.18e-06	0.0
119	31	-4.99e-04	3.43e-03	-0.03	-3.33e-05	6.21e-06	0.0
119	41	3.70e-03	1.48e-03	-0.03	-3.14e-05	7.51e-06	0.0
119	49	3.75e-03	2.33e-03	-0.03	-3.10e-05	7.54e-06	0.0
119	63	-8.56e-04	5.10e-03	-0.03	-3.49e-05	6.00e-06	0.0
119	70	1.57e-04	7.35e-04	-0.03	-3.68e-05	9.17e-06	0.0
119	72	1.17e-04	6.36e-04	-0.03	-3.18e-05	7.09e-06	0.0
120	2	2.91e-04	1.70e-03	-0.05	-8.51e-05	1.64e-05	0.0
120	17	2.47e-03	2.15e-03	-0.04	-5.33e-05	9.29e-06	0.0
120	29	9.37e-04	3.75e-03	-0.04	-5.69e-05	8.62e-06	0.0
120	31	-3.99e-04	3.91e-03	-0.04	-5.73e-05	8.30e-06	0.0
120	49	3.84e-03	2.79e-03	-0.04	-5.35e-05	9.52e-06	0.0
120	61	1.40e-03	5.33e-03	-0.04	-5.93e-05	8.48e-06	0.0
120	63	-7.24e-04	5.60e-03	-0.04	-5.98e-05	7.97e-06	0.0
120	70	2.15e-04	1.27e-03	-0.04	-6.36e-05	1.22e-05	0.0
120	72	1.65e-04	1.10e-03	-0.04	-5.51e-05	9.52e-06	0.0
121	2	4.13e-04	2.35e-03	-0.05	-1.18e-04	2.26e-05	0.0
121	17	2.57e-03	2.56e-03	-0.04	-7.38e-05	1.26e-05	0.0
121	29	1.06e-03	4.19e-03	-0.04	-7.91e-05	1.17e-05	0.0
121	31	-2.72e-04	4.36e-03	-0.04	-7.96e-05	1.15e-05	0.0
121	49	3.95e-03	3.20e-03	-0.04	-7.42e-05	1.26e-05	0.0
121	61	1.55e-03	5.80e-03	-0.04	-8.27e-05	1.13e-05	0.0
121	63	-5.63e-04	6.07e-03	-0.04	-8.35e-05	1.09e-05	0.0
121	70	3.06e-04	1.76e-03	-0.04	-8.78e-05	1.68e-05	0.0
121	72	2.38e-04	1.52e-03	-0.04	-7.60e-05	1.33e-05	0.0
122	2	5.76e-04	2.88e-03	-0.06	-1.44e-04	3.09e-05	0.0
122	17	2.68e-03	2.90e-03	-0.04	-9.07e-05	1.63e-05	0.0
122	29	1.20e-03	4.56e-03	-0.04	-9.79e-05	1.57e-05	0.0
122	31	-1.17e-04	4.74e-03	-0.04	-9.85e-05	1.55e-05	0.0
122	49	4.08e-03	3.55e-03	-0.04	-9.15e-05	1.58e-05	0.0
122	61	1.73e-03	6.20e-03	-0.04	-1.03e-04	1.48e-05	0.0
122	63	-3.71e-04	6.48e-03	-0.04	-1.04e-04	1.45e-05	0.0
122	70	4.26e-04	2.16e-03	-0.05	-1.08e-04	2.29e-05	0.0
122	72	3.37e-04	1.86e-03	-0.04	-9.31e-05	1.83e-05	0.0
123	2	7.71e-04	3.25e-03	-0.07	-1.62e-04	4.08e-05	0.0
123	17	2.82e-03	3.13e-03	-0.05	-1.02e-04	2.29e-05	0.0
123	31	6.04e-05	5.00e-03	-0.05	-1.12e-04	2.55e-05	0.0
123	35	2.49e-05	4.84e-03	-0.05	-1.12e-04	2.56e-05	0.0
123	49	4.23e-03	3.79e-03	-0.05	-1.04e-04	2.31e-05	0.0
123	63	-1.55e-04	6.77e-03	-0.05	-1.18e-04	2.70e-05	0.0
123	67	-2.11e-04	6.51e-03	-0.05	-1.19e-04	2.72e-05	0.0
123	70	5.71e-04	2.43e-03	-0.05	-1.21e-04	3.03e-05	0.0
123	72	4.55e-04	2.10e-03	-0.05	-1.05e-04	2.43e-05	0.0
124	2	9.84e-04	3.39e-03	-0.08	-1.69e-04	5.17e-05	0.0
124	17	2.97e-03	3.23e-03	-0.05	-1.07e-04	2.91e-05	0.0
124	31	2.53e-04	5.11e-03	-0.06	-1.17e-04	3.31e-05	0.0
124	35	2.12e-04	4.95e-03	-0.06	-1.17e-04	3.33e-05	0.0
124	49	4.39e-03	3.89e-03	-0.05	-1.08e-04	2.93e-05	0.0
124	63	8.01e-05	6.89e-03	-0.06	-1.25e-04	3.55e-05	0.0
124	67	1.50e-05	6.64e-03	-0.06	-1.25e-04	3.58e-05	0.0
124	70	7.29e-04	2.53e-03	-0.06	-1.27e-04	3.83e-05	0.0
124	72	5.84e-04	2.19e-03	-0.05	-1.09e-04	3.09e-05	0.0
125	2	1.77e-03	-3.75e-03	-0.08	1.87e-04	9.18e-05	0.0
125	10	3.46e-03	-3.42e-03	-0.06	1.17e-04	5.44e-05	0.0
125	32	7.49e-04	-5.18e-03	-0.06	1.29e-04	6.06e-05	0.0
125	36	7.86e-04	-5.33e-03	-0.06	1.29e-04	6.03e-05	0.0
125	42	4.88e-03	-4.08e-03	-0.06	1.19e-04	5.44e-05	0.0
125	64	5.71e-04	-6.87e-03	-0.06	1.38e-04	6.42e-05	0.0
125	68	6.31e-04	-7.11e-03	-0.06	1.38e-04	6.38e-05	0.0
125	70	1.32e-03	-2.80e-03	-0.06	1.39e-04	6.85e-05	0.0
125	72	1.10e-03	-2.41e-03	-0.06	1.20e-04	5.73e-05	0.0
126	2	1.55e-03	-3.67e-03	-0.07	1.83e-04	8.00e-05	0.0
126	10	3.31e-03	-3.37e-03	-0.05	1.15e-04	4.73e-05	0.0
126	32	5.63e-04	-5.11e-03	-0.05	1.26e-04	5.20e-05	0.0
126	36	5.98e-04	-5.26e-03	-0.05	1.26e-04	5.18e-05	0.0
126	42	4.72e-03	-4.02e-03	-0.05	1.16e-04	4.72e-05	0.0
126	64	3.55e-04	-6.79e-03	-0.05	1.34e-04	5.47e-05	0.0
126	68	4.10e-04	-7.03e-03	-0.05	1.34e-04	5.44e-05	0.0
126	70	1.15e-03	-2.74e-03	-0.06	1.36e-04	5.97e-05	0.0
126	72	9.63e-04	-2.36e-03	-0.05	1.17e-04	4.99e-05	0.0
127	2	1.18e-03	-3.35e-03	-0.06	1.67e-04	6.13e-05	0.0
127	10	3.07e-03	-3.16e-03	-0.05	1.04e-04	3.61e-05	0.0



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127	34	1.62e-03	-4.86e-03	-0.05	1.13e-04	3.85e-05	0.0
127	36	3.02e-04	-5.02e-03	-0.05	1.14e-04	3.88e-05	0.0
127	42	4.46e-03	-3.80e-03	-0.05	1.05e-04	3.60e-05	0.0
127	66	2.16e-03	-6.50e-03	-0.05	1.19e-04	3.97e-05	0.0
127	68	6.71e-05	-6.77e-03	-0.05	1.21e-04	4.02e-05	0.0
127	70	8.83e-04	-2.50e-03	-0.05	1.24e-04	4.57e-05	0.0
127	72	7.36e-04	-2.16e-03	-0.05	1.07e-04	3.82e-05	0.0
128	2	8.75e-04	-2.83e-03	-0.06	1.40e-04	4.53e-05	0.0
128	10	2.86e-03	-2.82e-03	-0.04	8.76e-05	2.67e-05	0.0
128	34	1.37e-03	-4.48e-03	-0.04	9.45e-05	2.79e-05	0.0
128	36	4.71e-05	-4.64e-03	-0.04	9.51e-05	2.81e-05	0.0
128	42	4.24e-03	-3.46e-03	-0.04	8.81e-05	2.66e-05	0.0
128	66	1.87e-03	-6.09e-03	-0.04	9.90e-05	2.85e-05	0.0
128	68	-2.29e-04	-6.35e-03	-0.04	1.00e-04	2.87e-05	0.0
128	70	6.52e-04	-2.11e-03	-0.04	1.05e-04	3.38e-05	0.0
128	72	5.43e-04	-1.82e-03	-0.04	9.04e-05	2.83e-05	0.0
129	2	6.36e-04	-2.15e-03	-0.05	1.07e-04	3.32e-05	0.0
129	10	2.69e-03	-2.40e-03	-0.04	6.65e-05	1.93e-05	0.0
129	34	1.17e-03	-4.01e-03	-0.04	7.12e-05	1.91e-05	0.0
129	36	-1.57e-04	-4.17e-03	-0.04	7.17e-05	1.92e-05	0.0
129	42	4.05e-03	-3.03e-03	-0.04	6.67e-05	1.91e-05	0.0
129	66	1.64e-03	-5.60e-03	-0.04	7.42e-05	1.88e-05	0.0
129	68	-4.69e-04	-5.85e-03	-0.04	7.50e-05	1.90e-05	0.0
129	70	4.74e-04	-1.61e-03	-0.04	7.98e-05	2.48e-05	0.0
129	72	3.94e-04	-1.39e-03	-0.04	6.89e-05	2.07e-05	0.0
130	2	4.74e-04	-1.39e-03	-0.05	6.89e-05	2.50e-05	0.0
130	10	2.57e-03	-1.92e-03	-0.04	4.29e-05	1.49e-05	0.0
130	18	2.53e-03	-1.41e-03	-0.04	4.31e-05	1.49e-05	0.0
130	36	-3.09e-04	-3.66e-03	-0.04	4.61e-05	1.45e-05	0.0
130	42	3.91e-03	-2.55e-03	-0.04	4.30e-05	1.49e-05	0.0
130	50	3.86e-03	-1.74e-03	-0.04	4.34e-05	1.49e-05	0.0
130	68	-6.54e-04	-5.31e-03	-0.04	4.81e-05	1.43e-05	0.0
130	70	3.54e-04	-1.04e-03	-0.04	5.15e-05	1.87e-05	0.0
130	72	2.93e-04	-8.97e-04	-0.04	4.45e-05	1.56e-05	0.0
131	2	3.87e-04	-5.82e-04	-0.04	2.87e-05	2.07e-05	0.0
131	10	2.49e-03	-1.42e-03	-0.03	1.80e-05	1.24e-05	0.0
131	18	2.47e-03	-9.11e-04	-0.03	1.82e-05	1.24e-05	0.0
131	36	-4.13e-04	-3.13e-03	-0.03	1.99e-05	1.21e-05	0.0
131	42	3.82e-03	-2.05e-03	-0.03	1.81e-05	1.24e-05	0.0
131	50	3.80e-03	-1.24e-03	-0.03	1.85e-05	1.24e-05	0.0
131	68	-7.89e-04	-4.77e-03	-0.03	2.12e-05	1.20e-05	0.0
131	70	2.89e-04	-4.35e-04	-0.03	2.14e-05	1.54e-05	0.0
131	72	2.38e-04	-3.75e-04	-0.03	1.85e-05	1.29e-05	0.0
132	2	3.73e-04	2.45e-04	-0.04	-1.23e-05	1.99e-05	0.0
132	9	2.46e-03	7.01e-04	-0.03	-8.17e-06	1.20e-05	0.0
132	17	2.47e-03	1.21e-03	-0.03	-7.98e-06	1.20e-05	0.0
132	31	-4.40e-04	2.92e-03	-0.03	-9.56e-06	1.17e-05	0.0
132	41	3.78e-03	1.03e-03	-0.03	-8.47e-06	1.20e-05	0.0
132	49	3.80e-03	1.84e-03	-0.03	-8.18e-06	1.20e-05	0.0
132	63	-8.27e-04	4.56e-03	-0.03	-1.07e-05	1.16e-05	0.0
132	70	2.78e-04	1.83e-04	-0.03	-9.23e-06	1.49e-05	0.0
132	72	2.29e-04	1.58e-04	-0.03	-7.97e-06	1.24e-05	0.0
133	2	4.29e-04	1.06e-03	-0.05	-5.30e-05	2.28e-05	0.0
133	9	2.50e-03	1.21e-03	-0.03	-3.33e-05	1.36e-05	0.0
133	17	2.53e-03	1.72e-03	-0.03	-3.30e-05	1.36e-05	0.0
133	31	-3.54e-04	3.45e-03	-0.03	-3.56e-05	1.33e-05	0.0
133	41	3.82e-03	1.53e-03	-0.03	-3.35e-05	1.36e-05	0.0
133	49	3.88e-03	2.34e-03	-0.03	-3.31e-05	1.36e-05	0.0
133	63	-7.11e-04	5.09e-03	-0.03	-3.73e-05	1.31e-05	0.0
133	70	3.20e-04	7.95e-04	-0.03	-3.96e-05	1.71e-05	0.0
133	72	2.64e-04	6.86e-04	-0.03	-3.42e-05	1.42e-05	0.0
134	2	5.60e-04	1.85e-03	-0.05	-9.20e-05	2.95e-05	0.0
134	17	2.63e-03	2.21e-03	-0.04	-5.73e-05	1.72e-05	0.0
134	29	1.11e-03	3.81e-03	-0.04	-6.12e-05	1.70e-05	0.0
134	31	-2.23e-04	3.97e-03	-0.04	-6.16e-05	1.71e-05	0.0
134	49	3.99e-03	2.83e-03	-0.04	-5.74e-05	1.70e-05	0.0
134	61	1.57e-03	5.38e-03	-0.04	-6.36e-05	1.68e-05	0.0
134	63	-5.47e-04	5.63e-03	-0.04	-6.43e-05	1.69e-05	0.0
134	70	4.17e-04	1.38e-03	-0.04	-6.88e-05	2.20e-05	0.0
134	72	3.46e-04	1.19e-03	-0.04	-5.94e-05	1.84e-05	0.0
135	2	7.67e-04	2.56e-03	-0.05	-1.28e-04	4.01e-05	0.0
135	17	2.78e-03	2.66e-03	-0.04	-7.95e-05	2.31e-05	0.0
135	29	1.28e-03	4.29e-03	-0.04	-8.54e-05	2.29e-05	0.0
135	31	-4.01e-05	4.46e-03	-0.04	-8.61e-05	2.30e-05	0.0
135	49	4.16e-03	3.29e-03	-0.04	-7.99e-05	2.28e-05	0.0
135	61	1.77e-03	5.89e-03	-0.04	-8.93e-05	2.24e-05	0.0



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135	63	-3.30e-04	6.15e-03	-0.04	-9.03e-05	2.26e-05	0.0
135	70	5.72e-04	1.91e-03	-0.04	-9.53e-05	2.99e-05	0.0
135	72	4.75e-04	1.65e-03	-0.04	-8.22e-05	2.50e-05	0.0
136	2	1.05e-03	3.15e-03	-0.06	-1.57e-04	5.45e-05	0.0
136	17	2.98e-03	3.03e-03	-0.04	-9.82e-05	3.21e-05	0.0
136	29	1.51e-03	4.71e-03	-0.05	-1.06e-04	3.40e-05	0.0
136	31	1.95e-04	4.88e-03	-0.05	-1.07e-04	3.42e-05	0.0
136	49	4.37e-03	3.67e-03	-0.05	-9.89e-05	3.20e-05	0.0
136	61	2.04e-03	6.34e-03	-0.05	-1.12e-04	3.50e-05	0.0
136	63	-5.52e-05	6.61e-03	-0.05	-1.13e-04	3.53e-05	0.0
136	70	7.82e-04	2.35e-03	-0.05	-1.17e-04	4.07e-05	0.0
136	72	6.52e-04	2.03e-03	-0.05	-1.01e-04	3.40e-05	0.0
137	2	1.39e-03	3.56e-03	-0.07	-1.77e-04	7.23e-05	0.0
137	17	3.21e-03	3.29e-03	-0.05	-1.11e-04	4.27e-05	0.0
137	31	4.76e-04	5.18e-03	-0.05	-1.22e-04	4.64e-05	0.0
137	35	4.42e-04	5.02e-03	-0.05	-1.22e-04	4.66e-05	0.0
137	49	4.61e-03	3.94e-03	-0.05	-1.12e-04	4.26e-05	0.0
137	63	2.71e-04	6.94e-03	-0.05	-1.29e-04	4.84e-05	0.0
137	67	2.17e-04	6.70e-03	-0.05	-1.30e-04	4.87e-05	0.0
137	70	1.04e-03	2.66e-03	-0.05	-1.32e-04	5.39e-05	0.0
137	72	8.67e-04	2.29e-03	-0.05	-1.14e-04	4.51e-05	0.0
138	2	1.77e-03	3.73e-03	-0.08	-1.86e-04	9.18e-05	0.0
138	17	3.46e-03	3.41e-03	-0.06	-1.17e-04	5.44e-05	0.0
138	31	7.88e-04	5.31e-03	-0.06	-1.29e-04	6.03e-05	0.0
138	35	7.48e-04	5.16e-03	-0.06	-1.29e-04	6.05e-05	0.0
138	49	4.88e-03	4.06e-03	-0.06	-1.18e-04	5.45e-05	0.0
138	63	6.34e-04	7.09e-03	-0.06	-1.37e-04	6.37e-05	0.0
138	67	5.72e-04	6.85e-03	-0.06	-1.37e-04	6.41e-05	0.0
138	70	1.32e-03	2.79e-03	-0.06	-1.39e-04	6.84e-05	0.0
138	72	1.10e-03	2.40e-03	-0.06	-1.19e-04	5.73e-05	0.0
139	2	2.35e-03	-4.29e-03	-0.08	2.12e-04	1.22e-04	0.0
139	10	3.84e-03	-3.73e-03	-0.06	1.33e-04	7.40e-05	0.0
139	32	1.14e-03	-5.53e-03	-0.06	1.48e-04	8.07e-05	0.0
139	36	1.18e-03	-5.67e-03	-0.06	1.47e-04	8.05e-05	0.0
139	42	5.27e-03	-4.37e-03	-0.06	1.34e-04	7.45e-05	0.0
139	64	9.78e-04	-7.24e-03	-0.06	1.58e-04	8.51e-05	0.0
139	68	1.04e-03	-7.47e-03	-0.06	1.58e-04	8.48e-05	0.0
139	70	1.76e-03	-3.20e-03	-0.06	1.58e-04	9.07e-05	0.0
139	72	1.49e-03	-2.74e-03	-0.06	1.36e-04	7.68e-05	0.0
140	2	2.04e-03	-4.18e-03	-0.08	2.07e-04	1.05e-04	0.0
140	10	3.63e-03	-3.66e-03	-0.06	1.29e-04	6.38e-05	0.0
140	32	8.88e-04	-5.44e-03	-0.06	1.43e-04	6.86e-05	0.0
140	36	9.23e-04	-5.59e-03	-0.06	1.43e-04	6.84e-05	0.0
140	42	5.05e-03	-4.30e-03	-0.06	1.31e-04	6.40e-05	0.0
140	64	6.87e-04	-7.14e-03	-0.06	1.53e-04	7.16e-05	0.0
140	68	7.43e-04	-7.37e-03	-0.06	1.53e-04	7.14e-05	0.0
140	70	1.52e-03	-3.12e-03	-0.06	1.54e-04	7.84e-05	0.0
140	72	1.29e-03	-2.68e-03	-0.06	1.33e-04	6.64e-05	0.0
141	2	1.53e-03	-3.80e-03	-0.07	1.88e-04	7.86e-05	0.0
141	10	3.30e-03	-3.41e-03	-0.05	1.17e-04	4.76e-05	0.0
141	32	4.97e-04	-5.15e-03	-0.05	1.29e-04	5.01e-05	0.0
141	36	5.26e-04	-5.29e-03	-0.05	1.29e-04	5.00e-05	0.0
141	42	4.69e-03	-4.04e-03	-0.05	1.18e-04	4.77e-05	0.0
141	64	2.44e-04	-6.81e-03	-0.05	1.37e-04	5.15e-05	0.0
141	68	2.91e-04	-7.03e-03	-0.05	1.36e-04	5.14e-05	0.0
141	70	1.14e-03	-2.83e-03	-0.05	1.40e-04	5.88e-05	0.0
141	72	9.69e-04	-2.43e-03	-0.05	1.20e-04	4.99e-05	0.0
142	2	1.11e-03	-3.18e-03	-0.06	1.57e-04	5.70e-05	0.0
142	10	3.01e-03	-3.01e-03	-0.04	9.75e-05	3.40e-05	0.0
142	34	1.52e-03	-4.68e-03	-0.04	1.05e-04	3.36e-05	0.0
142	36	1.98e-04	-4.84e-03	-0.04	1.06e-04	3.38e-05	0.0
142	42	4.39e-03	-3.64e-03	-0.04	9.80e-05	3.37e-05	0.0
142	66	2.02e-03	-6.29e-03	-0.04	1.10e-04	3.31e-05	0.0
142	68	-8.12e-05	-6.54e-03	-0.04	1.12e-04	3.33e-05	0.0
142	70	8.30e-04	-2.37e-03	-0.05	1.17e-04	4.26e-05	0.0
142	72	7.03e-04	-2.04e-03	-0.04	1.01e-04	3.62e-05	0.0
143	2	7.99e-04	-2.40e-03	-0.05	1.19e-04	4.11e-05	0.0
143	10	2.80e-03	-2.53e-03	-0.04	7.35e-05	2.47e-05	0.0
143	34	1.28e-03	-4.14e-03	-0.04	7.85e-05	2.45e-05	0.0
143	36	-5.10e-05	-4.30e-03	-0.04	7.91e-05	2.45e-05	0.0
143	42	4.16e-03	-3.14e-03	-0.04	7.36e-05	2.45e-05	0.0
143	66	1.75e-03	-5.71e-03	-0.04	8.17e-05	2.42e-05	0.0
143	68	-3.66e-04	-5.96e-03	-0.04	8.26e-05	2.43e-05	0.0
143	70	5.97e-04	-1.79e-03	-0.04	8.86e-05	3.07e-05	0.0
143	72	5.06e-04	-1.54e-03	-0.04	7.63e-05	2.61e-05	0.0
144	2	5.95e-04	-1.54e-03	-0.05	7.60e-05	3.08e-05	0.0



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144	10	2.65e-03	-1.99e-03	-0.04	4.70e-05	1.85e-05	0.0
144	18	2.61e-03	-1.51e-03	-0.04	4.73e-05	1.85e-05	0.0
144	36	-2.28e-04	-3.72e-03	-0.04	5.04e-05	1.84e-05	0.0
144	42	3.99e-03	-2.60e-03	-0.04	4.71e-05	1.84e-05	0.0
144	50	3.94e-03	-1.84e-03	-0.04	4.76e-05	1.84e-05	0.0
144	68	-5.74e-04	-5.35e-03	-0.04	5.24e-05	1.82e-05	0.0
144	70	4.45e-04	-1.15e-03	-0.04	5.68e-05	2.30e-05	0.0
144	72	3.77e-04	-9.91e-04	-0.04	4.89e-05	1.96e-05	0.0
145	2	4.88e-04	-6.42e-04	-0.05	3.15e-05	2.54e-05	0.0
145	5	2.55e-03	-2.39e-04	-0.03	1.87e-05	1.54e-05	0.0
145	18	2.54e-03	-9.50e-04	-0.03	1.99e-05	1.54e-05	0.0
145	36	-3.44e-04	-3.13e-03	-0.03	2.15e-05	1.54e-05	0.0
145	37	3.89e-03	-1.48e-04	-0.03	1.82e-05	1.54e-05	0.0
145	50	3.86e-03	-1.28e-03	-0.03	2.01e-05	1.53e-05	0.0
145	68	-7.20e-04	-4.75e-03	-0.03	2.27e-05	1.53e-05	0.0
145	70	3.65e-04	-4.79e-04	-0.03	2.36e-05	1.90e-05	0.0
145	72	3.09e-04	-4.13e-04	-0.03	2.03e-05	1.62e-05	0.0
146	2	4.70e-04	2.70e-04	-0.04	-1.36e-05	2.45e-05	0.0
146	9	2.53e-03	7.20e-04	-0.03	-8.86e-06	1.49e-05	0.0
146	17	2.54e-03	1.20e-03	-0.03	-8.67e-06	1.49e-05	0.0
146	31	-3.73e-04	2.90e-03	-0.03	-1.02e-05	1.49e-05	0.0
146	41	3.85e-03	1.05e-03	-0.03	-9.14e-06	1.48e-05	0.0
146	49	3.86e-03	1.81e-03	-0.03	-8.84e-06	1.48e-05	0.0
146	63	-7.60e-04	4.51e-03	-0.03	-1.13e-05	1.49e-05	0.0
146	70	3.51e-04	2.02e-04	-0.03	-1.01e-05	1.84e-05	0.0
146	72	2.97e-04	1.74e-04	-0.03	-8.73e-06	1.57e-05	0.0
147	2	5.39e-04	1.18e-03	-0.05	-5.84e-05	2.81e-05	0.0
147	9	2.57e-03	1.28e-03	-0.04	-3.64e-05	1.69e-05	0.0
147	17	2.60e-03	1.76e-03	-0.04	-3.62e-05	1.69e-05	0.0
147	31	-2.80e-04	3.48e-03	-0.04	-3.88e-05	1.69e-05	0.0
147	41	3.89e-03	1.61e-03	-0.04	-3.66e-05	1.68e-05	0.0
147	49	3.95e-03	2.37e-03	-0.04	-3.62e-05	1.68e-05	0.0
147	63	-6.37e-04	5.10e-03	-0.04	-4.05e-05	1.67e-05	0.0
147	70	4.03e-04	8.79e-04	-0.04	-4.36e-05	2.10e-05	0.0
147	72	3.41e-04	7.57e-04	-0.04	-3.76e-05	1.79e-05	0.0
148	2	7.02e-04	2.06e-03	-0.05	-1.02e-04	3.63e-05	0.0
148	17	2.73e-03	2.31e-03	-0.04	-6.31e-05	2.18e-05	0.0
148	29	1.20e-03	3.91e-03	-0.04	-6.72e-05	2.16e-05	0.0
148	31	-1.29e-04	4.06e-03	-0.04	-6.77e-05	2.17e-05	0.0
148	49	4.09e-03	2.92e-03	-0.04	-6.32e-05	2.17e-05	0.0
148	61	1.66e-03	5.46e-03	-0.04	-6.98e-05	2.14e-05	0.0
148	63	-4.56e-04	5.71e-03	-0.04	-7.06e-05	2.15e-05	0.0
148	70	5.25e-04	1.54e-03	-0.04	-7.61e-05	2.72e-05	0.0
148	72	4.44e-04	1.32e-03	-0.04	-6.56e-05	2.31e-05	0.0
149	2	9.69e-04	2.87e-03	-0.06	-1.42e-04	5.00e-05	0.0
149	17	2.92e-03	2.82e-03	-0.04	-8.83e-05	2.99e-05	0.0
149	29	1.41e-03	4.47e-03	-0.04	-9.49e-05	2.96e-05	0.0
149	31	8.92e-05	4.62e-03	-0.04	-9.56e-05	2.98e-05	0.0
149	49	4.29e-03	3.44e-03	-0.04	-8.86e-05	2.96e-05	0.0
149	61	1.90e-03	6.06e-03	-0.04	-9.91e-05	2.92e-05	0.0
149	63	-2.04e-04	6.31e-03	-0.04	-1.00e-04	2.94e-05	0.0
149	70	7.24e-04	2.14e-03	-0.04	-1.06e-04	3.73e-05	0.0
149	72	6.13e-04	1.84e-03	-0.04	-9.14e-05	3.17e-05	0.0
150	2	1.35e-03	3.56e-03	-0.06	-1.76e-04	6.94e-05	0.0
150	17	3.17e-03	3.26e-03	-0.05	-1.10e-04	4.20e-05	0.0
150	29	1.70e-03	4.96e-03	-0.05	-1.19e-04	4.36e-05	0.0
150	31	3.86e-04	5.12e-03	-0.05	-1.20e-04	4.38e-05	0.0
150	49	4.57e-03	3.88e-03	-0.05	-1.11e-04	4.20e-05	0.0
150	61	2.23e-03	6.59e-03	-0.05	-1.26e-04	4.44e-05	0.0
150	63	1.34e-04	6.84e-03	-0.05	-1.27e-04	4.48e-05	0.0
150	70	1.01e-03	2.66e-03	-0.05	-1.32e-04	5.19e-05	0.0
150	72	8.52e-04	2.28e-03	-0.05	-1.13e-04	4.40e-05	0.0
151	2	1.82e-03	4.04e-03	-0.07	-2.00e-04	9.41e-05	0.0
151	17	3.49e-03	3.57e-03	-0.05	-1.25e-04	5.71e-05	0.0
151	31	7.59e-04	5.48e-03	-0.05	-1.38e-04	6.08e-05	0.0
151	35	7.25e-04	5.34e-03	-0.05	-1.38e-04	6.09e-05	0.0
151	49	4.90e-03	4.21e-03	-0.05	-1.26e-04	5.73e-05	0.0
151	63	5.58e-04	7.25e-03	-0.06	-1.47e-04	6.30e-05	0.0
151	67	5.03e-04	7.02e-03	-0.06	-1.47e-04	6.32e-05	0.0
151	70	1.36e-03	3.02e-03	-0.06	-1.50e-04	7.03e-05	0.0
151	72	1.15e-03	2.59e-03	-0.05	-1.28e-04	5.96e-05	0.0
152	2	2.35e-03	4.26e-03	-0.08	-2.11e-04	1.22e-04	0.0
152	17	3.84e-03	3.71e-03	-0.06	-1.32e-04	7.41e-05	0.0
152	31	1.18e-03	5.65e-03	-0.06	-1.47e-04	8.06e-05	0.0
152	35	1.14e-03	5.51e-03	-0.06	-1.47e-04	8.07e-05	0.0
152	49	5.27e-03	4.36e-03	-0.06	-1.34e-04	7.46e-05	0.0



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152	63	1.04e-03	7.45e-03	-0.06	-1.57e-04	8.48e-05	0.0
152	67	9.81e-04	7.22e-03	-0.06	-1.57e-04	8.51e-05	0.0
152	70	1.76e-03	3.18e-03	-0.06	-1.58e-04	9.07e-05	0.0
152	72	1.49e-03	2.73e-03	-0.06	-1.35e-04	7.68e-05	0.0
153	2	2.57e-03	-4.99e-03	-0.09	2.45e-04	1.33e-04	0.0
153	10	4.03e-03	-4.15e-03	-0.06	1.53e-04	8.38e-05	0.0
153	32	1.29e-03	-6.02e-03	-0.07	1.72e-04	8.86e-05	0.0
153	36	1.33e-03	-6.15e-03	-0.07	1.71e-04	8.86e-05	0.0
153	42	5.48e-03	-4.80e-03	-0.06	1.56e-04	8.54e-05	0.0
153	64	1.13e-03	-7.77e-03	-0.07	1.85e-04	9.30e-05	0.0
153	68	1.19e-03	-7.98e-03	-0.07	1.84e-04	9.30e-05	0.0
153	70	1.92e-03	-3.72e-03	-0.07	1.83e-04	9.95e-05	0.0
153	72	1.64e-03	-3.18e-03	-0.06	1.56e-04	8.48e-05	0.0
154	2	2.19e-03	-4.85e-03	-0.08	2.38e-04	1.13e-04	0.0
154	10	3.77e-03	-4.06e-03	-0.06	1.49e-04	7.09e-05	0.0
154	32	9.81e-04	-5.90e-03	-0.06	1.66e-04	7.34e-05	0.0
154	36	1.02e-03	-6.03e-03	-0.06	1.66e-04	7.35e-05	0.0
154	42	5.20e-03	-4.70e-03	-0.06	1.51e-04	7.19e-05	0.0
154	64	7.73e-04	-7.62e-03	-0.06	1.78e-04	7.60e-05	0.0
154	68	8.32e-04	-7.84e-03	-0.06	1.77e-04	7.61e-05	0.0
154	70	1.64e-03	-3.62e-03	-0.06	1.78e-04	8.46e-05	0.0
154	72	1.40e-03	-3.10e-03	-0.06	1.52e-04	7.22e-05	0.0
155	2	1.59e-03	-4.37e-03	-0.07	2.15e-04	8.14e-05	0.0
155	10	3.36e-03	-3.74e-03	-0.05	1.34e-04	5.09e-05	0.0
155	32	5.21e-04	-5.51e-03	-0.05	1.47e-04	5.12e-05	0.0
155	36	5.52e-04	-5.65e-03	-0.05	1.47e-04	5.13e-05	0.0
155	42	4.77e-03	-4.37e-03	-0.05	1.35e-04	5.15e-05	0.0
155	64	2.57e-04	-7.18e-03	-0.05	1.56e-04	5.20e-05	0.0
155	68	3.07e-04	-7.40e-03	-0.05	1.56e-04	5.21e-05	0.0
155	70	1.19e-03	-3.26e-03	-0.06	1.60e-04	6.09e-05	0.0
155	72	1.01e-03	-2.79e-03	-0.05	1.37e-04	5.20e-05	0.0
156	2	1.11e-03	-3.60e-03	-0.06	1.77e-04	5.68e-05	0.0
156	10	3.04e-03	-3.25e-03	-0.05	1.10e-04	3.53e-05	0.0
156	34	1.53e-03	-4.93e-03	-0.05	1.18e-04	3.43e-05	0.0
156	36	1.94e-04	-5.08e-03	-0.05	1.19e-04	3.41e-05	0.0
156	42	4.43e-03	-3.87e-03	-0.05	1.10e-04	3.56e-05	0.0
156	66	2.02e-03	-6.53e-03	-0.05	1.24e-04	3.40e-05	0.0
156	68	-9.31e-05	-6.77e-03	-0.05	1.25e-04	3.36e-05	0.0
156	70	8.31e-04	-2.69e-03	-0.05	1.32e-04	4.25e-05	0.0
156	72	7.10e-04	-2.31e-03	-0.05	1.14e-04	3.64e-05	0.0
157	2	7.81e-04	-2.69e-03	-0.05	1.32e-04	4.00e-05	0.0
157	10	2.80e-03	-2.68e-03	-0.04	8.17e-05	2.50e-05	0.0
157	34	1.27e-03	-4.29e-03	-0.04	8.68e-05	2.41e-05	0.0
157	36	-6.12e-05	-4.44e-03	-0.04	8.74e-05	2.39e-05	0.0
157	42	4.17e-03	-3.28e-03	-0.04	8.19e-05	2.51e-05	0.0
157	66	1.74e-03	-5.85e-03	-0.04	9.01e-05	2.38e-05	0.0
157	68	-3.80e-04	-6.08e-03	-0.04	9.10e-05	2.35e-05	0.0
157	70	5.84e-04	-2.01e-03	-0.04	9.86e-05	2.99e-05	0.0
157	72	5.00e-04	-1.73e-03	-0.04	8.48e-05	2.57e-05	0.0
158	2	5.74e-04	-1.71e-03	-0.05	8.38e-05	2.96e-05	0.0
158	5	2.64e-03	-8.64e-04	-0.04	5.03e-05	1.87e-05	0.0
158	18	2.61e-03	-1.61e-03	-0.04	5.21e-05	1.83e-05	0.0
158	36	-2.37e-04	-3.78e-03	-0.04	5.51e-05	1.78e-05	0.0
158	37	3.99e-03	-7.53e-04	-0.04	4.95e-05	1.89e-05	0.0
158	50	3.94e-03	-1.94e-03	-0.04	5.24e-05	1.84e-05	0.0
158	68	-5.85e-04	-5.39e-03	-0.04	5.70e-05	1.76e-05	0.0
158	70	4.30e-04	-1.28e-03	-0.04	6.26e-05	2.22e-05	0.0
158	72	3.68e-04	-1.10e-03	-0.04	5.39e-05	1.91e-05	0.0
159	2	4.68e-04	-7.08e-04	-0.05	3.46e-05	2.43e-05	0.0
159	5	2.55e-03	-2.58e-04	-0.04	2.06e-05	1.53e-05	0.0
159	18	2.54e-03	-9.93e-04	-0.04	2.17e-05	1.51e-05	0.0
159	36	-3.51e-04	-3.13e-03	-0.04	2.33e-05	1.49e-05	0.0
159	37	3.88e-03	-1.54e-04	-0.04	2.02e-05	1.54e-05	0.0
159	50	3.86e-03	-1.32e-03	-0.04	2.20e-05	1.52e-05	0.0
159	68	-7.28e-04	-4.73e-03	-0.04	2.44e-05	1.48e-05	0.0
159	70	3.51e-04	-5.29e-04	-0.04	2.59e-05	1.82e-05	0.0
159	72	3.00e-04	-4.55e-04	-0.04	2.23e-05	1.57e-05	0.0
160	2	4.50e-04	2.99e-04	-0.05	-1.49e-05	2.35e-05	0.0
160	9	2.52e-03	7.39e-04	-0.04	-9.60e-06	1.46e-05	0.0
160	14	2.53e-03	6.56e-06	-0.04	-8.62e-06	1.47e-05	0.0
160	31	-3.80e-04	2.88e-03	-0.03	-1.08e-05	1.45e-05	0.0
160	41	3.84e-03	1.07e-03	-0.04	-9.85e-06	1.47e-05	0.0
160	46	3.86e-03	-9.70e-05	-0.04	-8.30e-06	1.48e-05	0.0
160	63	-7.68e-04	4.47e-03	-0.03	-1.18e-05	1.44e-05	0.0
160	70	3.37e-04	2.23e-04	-0.04	-1.11e-05	1.76e-05	0.0
160	72	2.89e-04	1.92e-04	-0.04	-9.56e-06	1.52e-05	0.0



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161	2	5.18e-04	1.30e-03	-0.05	-6.42e-05	2.69e-05	0.0
161	9	2.57e-03	1.36e-03	-0.04	-4.00e-05	1.67e-05	0.0
161	14	2.60e-03	6.17e-04	-0.04	-3.85e-05	1.69e-05	0.0
161	31	-2.89e-04	3.52e-03	-0.04	-4.23e-05	1.63e-05	0.0
161	41	3.89e-03	1.69e-03	-0.04	-4.02e-05	1.67e-05	0.0
161	46	3.95e-03	5.08e-04	-0.04	-3.79e-05	1.71e-05	0.0
161	63	-6.47e-04	5.12e-03	-0.04	-4.38e-05	1.61e-05	0.0
161	70	3.88e-04	9.74e-04	-0.04	-4.80e-05	2.02e-05	0.0
161	72	3.32e-04	8.38e-04	-0.04	-4.13e-05	1.74e-05	0.0
162	2	6.81e-04	2.29e-03	-0.05	-1.13e-04	3.51e-05	0.0
162	17	2.73e-03	2.43e-03	-0.04	-6.99e-05	2.19e-05	0.0
162	29	1.19e-03	4.03e-03	-0.04	-7.40e-05	2.12e-05	0.0
162	31	-1.40e-04	4.17e-03	-0.04	-7.45e-05	2.10e-05	0.0
162	49	4.10e-03	3.03e-03	-0.04	-7.00e-05	2.20e-05	0.0
162	61	1.65e-03	5.57e-03	-0.04	-7.66e-05	2.09e-05	0.0
162	63	-4.69e-04	5.80e-03	-0.04	-7.73e-05	2.07e-05	0.0
162	70	5.09e-04	1.71e-03	-0.04	-8.44e-05	2.63e-05	0.0
162	72	4.36e-04	1.47e-03	-0.04	-7.26e-05	2.26e-05	0.0
163	2	9.57e-04	3.24e-03	-0.06	-1.60e-04	4.92e-05	0.0
163	17	2.93e-03	3.02e-03	-0.04	-9.89e-05	3.06e-05	0.0
163	29	1.41e-03	4.67e-03	-0.04	-1.06e-04	2.97e-05	0.0
163	31	7.90e-05	4.82e-03	-0.04	-1.07e-04	2.95e-05	0.0
163	49	4.32e-03	3.63e-03	-0.04	-9.93e-05	3.08e-05	0.0
163	61	1.89e-03	6.26e-03	-0.04	-1.10e-04	2.94e-05	0.0
163	63	-2.20e-04	6.49e-03	-0.04	-1.12e-04	2.90e-05	0.0
163	70	7.16e-04	2.42e-03	-0.05	-1.19e-04	3.68e-05	0.0
163	72	6.12e-04	2.08e-03	-0.04	-1.02e-04	3.15e-05	0.0
164	2	1.37e-03	4.08e-03	-0.07	-2.01e-04	7.07e-05	0.0
164	17	3.22e-03	3.55e-03	-0.05	-1.25e-04	4.42e-05	0.0
164	29	1.72e-03	5.28e-03	-0.05	-1.36e-04	4.45e-05	0.0
164	31	3.95e-04	5.43e-03	-0.05	-1.36e-04	4.42e-05	0.0
164	49	4.62e-03	4.17e-03	-0.05	-1.26e-04	4.48e-05	0.0
164	61	2.24e-03	6.91e-03	-0.05	-1.43e-04	4.51e-05	0.0
164	63	1.33e-04	7.15e-03	-0.05	-1.44e-04	4.47e-05	0.0
164	70	1.03e-03	3.04e-03	-0.05	-1.50e-04	5.29e-05	0.0
164	72	8.76e-04	2.61e-03	-0.05	-1.29e-04	4.52e-05	0.0
165	2	1.94e-03	4.68e-03	-0.08	-2.30e-04	1.00e-04	0.0
165	17	3.60e-03	3.95e-03	-0.06	-1.44e-04	6.25e-05	0.0
165	31	8.23e-04	5.89e-03	-0.06	-1.59e-04	6.41e-05	0.0
165	35	7.86e-04	5.76e-03	-0.06	-1.59e-04	6.41e-05	0.0
165	49	5.02e-03	4.58e-03	-0.06	-1.46e-04	6.33e-05	0.0
165	63	6.12e-04	7.68e-03	-0.06	-1.70e-04	6.59e-05	0.0
165	67	5.54e-04	7.46e-03	-0.06	-1.70e-04	6.58e-05	0.0
165	70	1.45e-03	3.49e-03	-0.06	-1.72e-04	7.48e-05	0.0
165	72	1.23e-03	2.99e-03	-0.06	-1.47e-04	6.38e-05	0.0
166	2	2.58e-03	4.96e-03	-0.09	-2.44e-04	1.33e-04	0.0
166	17	4.03e-03	4.13e-03	-0.06	-1.53e-04	8.39e-05	0.0
166	31	1.34e-03	6.13e-03	-0.07	-1.71e-04	8.86e-05	0.0
166	35	1.30e-03	6.00e-03	-0.07	-1.71e-04	8.86e-05	0.0
166	49	5.48e-03	4.78e-03	-0.06	-1.55e-04	8.55e-05	0.0
166	63	1.20e-03	7.96e-03	-0.07	-1.83e-04	9.30e-05	0.0
166	67	1.14e-03	7.75e-03	-0.07	-1.84e-04	9.30e-05	0.0
166	70	1.93e-03	3.70e-03	-0.07	-1.82e-04	9.96e-05	0.0
166	72	1.64e-03	3.16e-03	-0.06	-1.56e-04	8.48e-05	0.0
167	2	2.19e-03	-5.79e-03	-0.10	2.81e-04	1.15e-04	0.0
167	10	3.86e-03	-4.64e-03	-0.07	1.77e-04	7.60e-05	0.0
167	32	1.02e-03	-6.56e-03	-0.07	1.98e-04	7.54e-05	0.0
167	36	1.06e-03	-6.69e-03	-0.07	1.98e-04	7.58e-05	0.0
167	42	5.35e-03	-5.30e-03	-0.07	1.80e-04	7.93e-05	0.0
167	64	8.27e-04	-8.35e-03	-0.07	2.13e-04	7.84e-05	0.0
167	68	9.02e-04	-8.55e-03	-0.07	2.13e-04	7.89e-05	0.0
167	70	1.64e-03	-4.32e-03	-0.07	2.10e-04	8.61e-05	0.0
167	72	1.40e-03	-3.69e-03	-0.07	1.79e-04	7.35e-05	0.0
168	2	1.80e-03	-5.66e-03	-0.09	2.75e-04	9.47e-05	0.0
168	10	3.58e-03	-4.55e-03	-0.06	1.73e-04	6.23e-05	0.0
168	32	7.08e-04	-6.43e-03	-0.06	1.92e-04	6.05e-05	0.0
168	36	7.51e-04	-6.56e-03	-0.06	1.92e-04	6.08e-05	0.0
168	42	5.05e-03	-5.20e-03	-0.06	1.75e-04	6.48e-05	0.0
168	64	4.77e-04	-8.20e-03	-0.07	2.06e-04	6.19e-05	0.0
168	68	5.44e-04	-8.40e-03	-0.07	2.06e-04	6.23e-05	0.0
168	70	1.34e-03	-4.22e-03	-0.07	2.05e-04	7.08e-05	0.0
168	72	1.15e-03	-3.60e-03	-0.06	1.76e-04	6.06e-05	0.0
169	2	1.22e-03	-4.98e-03	-0.08	2.43e-04	6.33e-05	0.0
169	10	3.19e-03	-4.11e-03	-0.05	1.52e-04	4.17e-05	0.0
169	34	1.65e-03	-5.88e-03	-0.06	1.65e-04	3.88e-05	0.0
169	36	3.04e-04	-6.02e-03	-0.06	1.66e-04	3.77e-05	0.0



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169	42	4.62e-03	-4.73e-03	-0.05	1.53e-04	4.33e-05	0.0
169	66	2.18e-03	-7.55e-03	-0.06	1.75e-04	3.87e-05	0.0
169	68	3.96e-05	-7.78e-03	-0.06	1.76e-04	3.69e-05	0.0
169	70	9.16e-04	-3.72e-03	-0.06	1.82e-04	4.74e-05	0.0
169	72	7.86e-04	-3.19e-03	-0.05	1.56e-04	4.07e-05	0.0
170	2	8.23e-04	-4.02e-03	-0.07	1.96e-04	4.22e-05	0.0
170	10	2.89e-03	-3.50e-03	-0.05	1.22e-04	2.79e-05	0.0
170	34	1.35e-03	-5.17e-03	-0.05	1.30e-04	2.58e-05	0.0
170	36	1.16e-05	-5.31e-03	-0.05	1.31e-04	2.50e-05	0.0
170	42	4.30e-03	-4.10e-03	-0.05	1.23e-04	2.89e-05	0.0
170	66	1.85e-03	-6.76e-03	-0.05	1.36e-04	2.55e-05	0.0
170	68	-2.81e-04	-6.98e-03	-0.05	1.37e-04	2.43e-05	0.0
170	70	6.16e-04	-3.00e-03	-0.05	1.46e-04	3.16e-05	0.0
170	72	5.29e-04	-2.57e-03	-0.05	1.26e-04	2.73e-05	0.0
171	2	5.66e-04	-2.95e-03	-0.06	1.44e-04	2.92e-05	0.0
171	10	2.69e-03	-2.82e-03	-0.04	8.95e-05	1.92e-05	0.0
171	34	1.15e-03	-4.43e-03	-0.04	9.42e-05	1.78e-05	0.0
171	36	-1.92e-04	-4.56e-03	-0.04	9.46e-05	1.74e-05	0.0
171	42	4.07e-03	-3.42e-03	-0.04	8.99e-05	1.99e-05	0.0
171	66	1.62e-03	-5.97e-03	-0.04	9.74e-05	1.76e-05	0.0
171	68	-5.12e-04	-6.18e-03	-0.04	9.80e-05	1.69e-05	0.0
171	70	4.24e-04	-2.21e-03	-0.04	1.08e-04	2.19e-05	0.0
171	72	3.65e-04	-1.89e-03	-0.04	9.24e-05	1.89e-05	0.0
172	2	4.11e-04	-1.86e-03	-0.05	9.06e-05	2.15e-05	0.0
172	10	2.55e-03	-2.14e-03	-0.04	5.63e-05	1.41e-05	0.0
172	18	2.52e-03	-1.71e-03	-0.04	5.64e-05	1.38e-05	0.0
172	36	-3.35e-04	-3.83e-03	-0.04	5.90e-05	1.30e-05	0.0
172	42	3.91e-03	-2.73e-03	-0.04	5.65e-05	1.44e-05	0.0
172	50	3.85e-03	-2.04e-03	-0.04	5.67e-05	1.40e-05	0.0
172	68	-6.83e-04	-5.42e-03	-0.04	6.09e-05	1.27e-05	0.0
172	70	3.08e-04	-1.39e-03	-0.04	6.77e-05	1.62e-05	0.0
172	72	2.66e-04	-1.19e-03	-0.04	5.82e-05	1.40e-05	0.0
173	2	3.34e-04	-7.65e-04	-0.05	3.73e-05	1.77e-05	0.0
173	10	2.47e-03	-1.47e-03	-0.04	2.33e-05	1.15e-05	0.0
173	18	2.46e-03	-1.03e-03	-0.04	2.33e-05	1.14e-05	0.0
173	36	-4.32e-04	-3.13e-03	-0.04	2.47e-05	1.09e-05	0.0
173	42	3.81e-03	-2.05e-03	-0.04	2.35e-05	1.17e-05	0.0
173	50	3.79e-03	-1.36e-03	-0.04	2.36e-05	1.15e-05	0.0
173	68	-8.09e-04	-4.70e-03	-0.04	2.58e-05	1.08e-05	0.0
173	70	2.50e-04	-5.72e-04	-0.04	2.78e-05	1.33e-05	0.0
173	72	2.16e-04	-4.91e-04	-0.04	2.40e-05	1.16e-05	0.0
174	2	3.20e-04	3.24e-04	-0.05	-1.60e-05	1.71e-05	0.0
174	9	2.45e-03	7.56e-04	-0.04	-1.02e-05	1.10e-05	0.0
174	17	2.46e-03	1.19e-03	-0.04	-1.02e-05	1.10e-05	0.0
174	31	-4.58e-04	2.85e-03	-0.04	-1.14e-05	1.06e-05	0.0
174	41	3.77e-03	1.08e-03	-0.04	-1.04e-05	1.11e-05	0.0
174	49	3.79e-03	1.78e-03	-0.04	-1.04e-05	1.12e-05	0.0
174	63	-8.46e-04	4.42e-03	-0.04	-1.23e-05	1.05e-05	0.0
174	70	2.40e-04	2.42e-04	-0.04	-1.19e-05	1.28e-05	0.0
174	72	2.08e-04	2.08e-04	-0.04	-1.03e-05	1.12e-05	0.0
175	2	3.69e-04	1.41e-03	-0.05	-6.92e-05	1.95e-05	0.0
175	9	2.48e-03	1.43e-03	-0.04	-4.31e-05	1.25e-05	0.0
175	17	2.52e-03	1.86e-03	-0.04	-4.30e-05	1.27e-05	0.0
175	31	-3.78e-04	3.55e-03	-0.04	-4.51e-05	1.19e-05	0.0
175	41	3.81e-03	1.76e-03	-0.04	-4.33e-05	1.27e-05	0.0
175	49	3.87e-03	2.45e-03	-0.04	-4.32e-05	1.30e-05	0.0
175	63	-7.36e-04	5.12e-03	-0.04	-4.66e-05	1.17e-05	0.0
175	70	2.77e-04	1.06e-03	-0.04	-5.17e-05	1.47e-05	0.0
175	72	2.39e-04	9.08e-04	-0.04	-4.45e-05	1.28e-05	0.0
176	2	4.89e-04	2.51e-03	-0.05	-1.23e-04	2.55e-05	0.0
176	17	2.63e-03	2.55e-03	-0.04	-7.62e-05	1.68e-05	0.0
176	29	1.08e-03	4.13e-03	-0.04	-7.99e-05	1.56e-05	0.0
176	31	-2.57e-04	4.26e-03	-0.04	-8.02e-05	1.52e-05	0.0
176	49	4.00e-03	3.14e-03	-0.04	-7.65e-05	1.72e-05	0.0
176	61	1.54e-03	5.66e-03	-0.04	-8.24e-05	1.54e-05	0.0
176	63	-5.87e-04	5.87e-03	-0.04	-8.30e-05	1.48e-05	0.0
176	70	3.66e-04	1.87e-03	-0.04	-9.17e-05	1.91e-05	0.0
176	72	3.15e-04	1.61e-03	-0.04	-7.88e-05	1.66e-05	0.0
177	2	6.97e-04	3.59e-03	-0.06	-1.76e-04	3.61e-05	0.0
177	17	2.80e-03	3.22e-03	-0.04	-1.09e-04	2.38e-05	0.0
177	29	1.26e-03	4.87e-03	-0.05	-1.16e-04	2.20e-05	0.0
177	31	-8.25e-05	5.00e-03	-0.05	-1.16e-04	2.13e-05	0.0
177	49	4.19e-03	3.82e-03	-0.04	-1.10e-04	2.47e-05	0.0
177	61	1.74e-03	6.44e-03	-0.05	-1.20e-04	2.17e-05	0.0
177	63	-3.85e-04	6.66e-03	-0.05	-1.21e-04	2.07e-05	0.0
177	70	5.21e-04	2.68e-03	-0.05	-1.31e-04	2.70e-05	0.0



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177	72	4.48e-04	2.30e-03	-0.05	-1.13e-04	2.33e-05	0.0
178	2	1.03e-03	4.61e-03	-0.07	-2.25e-04	5.35e-05	0.0
178	14	3.05e-03	2.56e-03	-0.05	-1.34e-04	3.57e-05	0.0
178	29	1.51e-03	5.60e-03	-0.05	-1.52e-04	3.27e-05	0.0
178	31	1.63e-04	5.74e-03	-0.05	-1.52e-04	3.17e-05	0.0
178	49	4.47e-03	4.48e-03	-0.05	-1.42e-04	3.67e-05	0.0
178	61	2.02e-03	7.23e-03	-0.05	-1.59e-04	3.25e-05	0.0
178	63	-1.14e-04	7.45e-03	-0.05	-1.61e-04	3.09e-05	0.0
178	70	7.69e-04	3.44e-03	-0.05	-1.68e-04	4.01e-05	0.0
178	72	6.61e-04	2.95e-03	-0.05	-1.44e-04	3.45e-05	0.0
179	1	-6.26e-05	3.75e-03	-0.07	-1.83e-04	-4.74e-06	0.0
179	2	-5.67e-05	4.62e-03	-0.07	-2.25e-04	-4.61e-06	0.0
179	20	-2.56e-03	2.68e-03	-0.05	-1.38e-04	-5.71e-06	0.0
179	21	5.22e-04	5.64e-03	-0.05	-1.52e-04	-4.77e-06	0.0
179	25	5.66e-04	5.48e-03	-0.05	-1.52e-04	-4.52e-06	0.0
179	52	-4.04e-03	2.56e-03	-0.05	-1.36e-04	-6.93e-06	0.0
179	53	8.59e-04	7.27e-03	-0.05	-1.58e-04	-5.44e-06	0.0
179	57	9.29e-04	7.01e-03	-0.05	-1.58e-04	-5.03e-06	0.0
179	69	-4.81e-05	2.87e-03	-0.05	-1.40e-04	-3.65e-06	0.0
179	70	-4.42e-05	3.46e-03	-0.05	-1.69e-04	-3.56e-06	0.0
179	71	-4.81e-05	2.87e-03	-0.05	-1.40e-04	-3.65e-06	0.0
179	72	-4.73e-05	2.99e-03	-0.05	-1.46e-04	-3.63e-06	0.0
180	2	9.54e-04	-6.94e-03	-0.10	3.30e-04	5.22e-05	0.0
180	10	3.20e-03	-5.41e-03	-0.07	2.12e-04	4.36e-05	0.0
180	30	1.69e-03	-7.61e-03	-0.07	2.39e-04	3.82e-05	0.0
180	34	1.64e-03	-7.48e-03	-0.07	2.39e-04	3.72e-05	0.0
180	42	4.74e-03	-6.13e-03	-0.07	2.19e-04	5.05e-05	0.0
180	62	2.35e-03	-9.62e-03	-0.08	2.62e-04	4.18e-05	0.0
180	66	2.26e-03	-9.43e-03	-0.08	2.62e-04	4.02e-05	0.0
180	70	7.13e-04	-5.18e-03	-0.08	2.46e-04	3.90e-05	0.0
180	72	6.12e-04	-4.39e-03	-0.07	2.09e-04	3.35e-05	0.0
181	1	1.13e-04	-5.42e-03	-0.08	2.58e-04	1.59e-05	0.0
181	2	1.12e-04	-6.84e-03	-0.09	3.25e-04	1.88e-05	0.0
181	5	2.70e-03	-3.82e-03	-0.06	1.92e-04	2.21e-05	0.0
181	34	1.01e-03	-7.26e-03	-0.07	2.28e-04	1.19e-05	0.0
181	36	-3.93e-04	-7.39e-03	-0.07	2.29e-04	7.94e-06	0.0
181	37	4.25e-03	-3.62e-03	-0.06	1.88e-04	2.80e-05	0.0
181	66	1.56e-03	-9.09e-03	-0.07	2.46e-04	1.17e-05	0.0
181	68	-6.76e-04	-9.29e-03	-0.07	2.47e-04	5.44e-06	0.0
181	69	8.63e-05	-4.16e-03	-0.06	1.98e-04	1.22e-05	0.0
181	70	8.59e-05	-5.10e-03	-0.07	2.43e-04	1.41e-05	0.0
181	71	8.63e-05	-4.16e-03	-0.06	1.98e-04	1.22e-05	0.0
181	72	8.62e-05	-4.34e-03	-0.07	2.07e-04	1.26e-05	0.0
182	2	3.88e-04	-5.47e-03	-0.08	2.64e-04	2.15e-05	0.0
182	10	2.71e-03	-4.41e-03	-0.06	1.66e-04	1.78e-05	0.0
182	34	1.16e-03	-6.16e-03	-0.06	1.78e-04	1.39e-05	0.0
182	36	-2.01e-04	-6.28e-03	-0.06	1.78e-04	1.21e-05	0.0
182	42	4.17e-03	-5.04e-03	-0.06	1.68e-04	2.04e-05	0.0
182	66	1.70e-03	-7.82e-03	-0.06	1.87e-04	1.42e-05	0.0
182	68	-4.63e-04	-8.01e-03	-0.06	1.87e-04	1.13e-05	0.0
182	70	2.91e-04	-4.09e-03	-0.06	1.97e-04	1.61e-05	0.0
182	72	2.52e-04	-3.50e-03	-0.06	1.69e-04	1.40e-05	0.0
183	2	2.81e-04	-4.29e-03	-0.07	2.08e-04	1.53e-05	0.0
183	10	2.58e-03	-3.65e-03	-0.05	1.30e-04	1.24e-05	0.0
183	30	1.06e-03	-5.43e-03	-0.05	1.37e-04	1.00e-05	0.0
183	36	-3.19e-04	-5.43e-03	-0.05	1.38e-04	8.55e-06	0.0
183	42	3.99e-03	-4.26e-03	-0.05	1.32e-04	1.40e-05	0.0
183	62	1.58e-03	-7.08e-03	-0.05	1.43e-04	1.02e-05	0.0
183	68	-6.11e-04	-7.09e-03	-0.05	1.43e-04	7.92e-06	0.0
183	70	2.10e-04	-3.20e-03	-0.05	1.55e-04	1.15e-05	0.0
183	72	1.82e-04	-2.75e-03	-0.05	1.33e-04	1.00e-05	0.0
184	2	1.96e-04	-3.11e-03	-0.06	1.51e-04	1.10e-05	0.0
184	10	2.47e-03	-2.91e-03	-0.04	9.45e-05	8.57e-06	0.0
184	30	9.49e-04	-4.62e-03	-0.04	9.85e-05	7.26e-06	0.0
184	36	-4.15e-04	-4.62e-03	-0.04	9.86e-05	6.46e-06	0.0
184	42	3.85e-03	-3.50e-03	-0.04	9.54e-05	9.48e-06	0.0
184	62	1.44e-03	-6.22e-03	-0.04	1.02e-04	7.39e-06	0.0
184	68	-7.32e-04	-6.22e-03	-0.04	1.02e-04	6.13e-06	0.0
184	70	1.47e-04	-2.32e-03	-0.04	1.13e-04	8.28e-06	0.0
184	72	1.28e-04	-1.99e-03	-0.04	9.69e-05	7.28e-06	0.0
185	2	1.43e-04	-1.94e-03	-0.05	9.45e-05	8.45e-06	0.0
185	10	2.39e-03	-2.18e-03	-0.04	5.90e-05	6.30e-06	0.0
185	30	8.59e-04	-3.85e-03	-0.04	6.11e-05	5.58e-06	0.0
185	42	3.75e-03	-2.76e-03	-0.04	5.95e-05	6.79e-06	0.0
185	62	1.31e-03	-5.41e-03	-0.04	6.28e-05	5.65e-06	0.0
185	70	1.07e-04	-1.45e-03	-0.04	7.06e-05	6.36e-06	0.0



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185	72	9.46e-05	-1.25e-03	-0.04	6.07e-05	5.65e-06	0.0
186	2	1.16e-04	-7.98e-04	-0.05	3.87e-05	7.16e-06	0.0
186	10	2.34e-03	-1.47e-03	-0.04	2.45e-05	5.15e-06	0.0
186	30	7.87e-04	-3.11e-03	-0.04	2.55e-05	4.78e-06	0.0
186	42	3.68e-03	-2.04e-03	-0.04	2.48e-05	5.41e-06	0.0
186	62	1.21e-03	-4.66e-03	-0.04	2.65e-05	4.83e-06	0.0
186	70	8.74e-05	-5.96e-04	-0.04	2.90e-05	5.40e-06	0.0
186	72	7.76e-05	-5.12e-04	-0.04	2.49e-05	4.84e-06	0.0
187	2	1.11e-04	3.38e-04	-0.05	-1.66e-05	6.95e-06	0.0
187	17	2.33e-03	1.18e-03	-0.04	-1.08e-05	4.95e-06	0.0
187	31	-5.86e-04	2.82e-03	-0.04	-1.17e-05	4.43e-06	0.0
187	49	3.67e-03	1.75e-03	-0.04	-1.11e-05	5.18e-06	0.0
187	63	-9.74e-04	4.37e-03	-0.04	-1.26e-05	4.36e-06	0.0
187	70	8.38e-05	2.52e-04	-0.04	-1.24e-05	5.24e-06	0.0
187	72	7.45e-05	2.17e-04	-0.04	-1.06e-05	4.70e-06	0.0
188	2	1.27e-04	1.48e-03	-0.05	-7.20e-05	7.76e-06	0.0
188	17	2.37e-03	1.89e-03	-0.04	-4.50e-05	5.73e-06	0.0
188	31	-5.24e-04	3.55e-03	-0.04	-4.67e-05	4.80e-06	0.0
188	49	3.73e-03	2.46e-03	-0.04	-4.53e-05	6.12e-06	0.0
188	63	-8.81e-04	5.10e-03	-0.04	-4.81e-05	4.65e-06	0.0
188	70	9.58e-05	1.10e-03	-0.04	-5.38e-05	5.85e-06	0.0
188	72	8.47e-05	9.48e-04	-0.04	-4.63e-05	5.22e-06	0.0
189	2	1.67e-04	2.63e-03	-0.06	-1.28e-04	9.73e-06	0.0
189	17	2.44e-03	2.61e-03	-0.04	-8.01e-05	7.50e-06	0.0
189	31	-4.50e-04	4.30e-03	-0.04	-8.33e-05	5.77e-06	0.0
189	33	9.10e-04	4.30e-03	-0.04	-8.33e-05	6.41e-06	0.0
189	49	3.81e-03	3.19e-03	-0.04	-8.09e-05	8.23e-06	0.0
189	63	-7.77e-04	5.89e-03	-0.04	-8.59e-05	5.49e-06	0.0
189	65	1.38e-03	5.88e-03	-0.04	-8.58e-05	6.51e-06	0.0
189	70	1.25e-04	1.97e-03	-0.04	-9.58e-05	7.32e-06	0.0
189	72	1.10e-04	1.69e-03	-0.04	-8.23e-05	6.46e-06	0.0
190	2	2.33e-04	3.81e-03	-0.06	-1.85e-04	1.31e-05	0.0
190	17	2.53e-03	3.35e-03	-0.05	-1.16e-04	1.06e-05	0.0
190	31	-3.64e-04	5.10e-03	-0.05	-1.22e-04	7.41e-06	0.0
190	33	1.01e-03	5.10e-03	-0.05	-1.22e-04	8.60e-06	0.0
190	49	3.93e-03	3.95e-03	-0.05	-1.17e-04	1.19e-05	0.0
190	63	-6.64e-04	6.73e-03	-0.05	-1.26e-04	6.89e-06	0.0
190	65	1.52e-03	6.73e-03	-0.05	-1.26e-04	8.77e-06	0.0
190	70	1.75e-04	2.85e-03	-0.05	-1.38e-04	9.84e-06	0.0
190	72	1.52e-04	2.44e-03	-0.05	-1.19e-04	8.61e-06	0.0
191	2	3.11e-04	5.00e-03	-0.07	-2.42e-04	1.77e-05	0.0
191	17	2.64e-03	4.11e-03	-0.05	-1.52e-04	1.48e-05	0.0
191	31	-2.67e-04	5.94e-03	-0.05	-1.62e-04	9.91e-06	0.0
191	33	1.13e-03	5.94e-03	-0.05	-1.61e-04	1.18e-05	0.0
191	49	4.08e-03	4.72e-03	-0.05	-1.54e-04	1.70e-05	0.0
191	63	-5.39e-04	7.63e-03	-0.05	-1.69e-04	9.19e-06	0.0
191	65	1.67e-03	7.63e-03	-0.05	-1.69e-04	1.22e-05	0.0
191	70	2.33e-04	3.74e-03	-0.06	-1.80e-04	1.33e-05	0.0
191	72	2.02e-04	3.20e-03	-0.05	-1.55e-04	1.16e-05	0.0
192	1	2.73e-05	5.02e-03	-0.08	-2.41e-04	1.04e-05	0.0
192	2	9.98e-06	6.32e-03	-0.09	-3.02e-04	1.20e-05	0.0
192	14	2.59e-03	3.54e-03	-0.06	-1.80e-04	1.59e-05	0.0
192	29	9.26e-04	6.80e-03	-0.06	-2.08e-04	7.16e-06	0.0
192	31	-4.63e-04	6.93e-03	-0.06	-2.08e-04	4.10e-06	0.0
192	46	4.10e-03	3.36e-03	-0.06	-1.77e-04	2.05e-05	0.0
192	61	1.46e-03	8.54e-03	-0.06	-2.22e-04	6.68e-06	0.0
192	63	-7.48e-04	8.75e-03	-0.06	-2.22e-04	1.81e-06	0.0
192	69	2.08e-05	3.85e-03	-0.06	-1.85e-04	7.98e-06	0.0
192	70	9.26e-06	4.71e-03	-0.07	-2.26e-04	9.05e-06	0.0
192	71	2.08e-05	3.85e-03	-0.06	-1.85e-04	7.98e-06	0.0
192	72	1.85e-05	4.02e-03	-0.06	-1.93e-04	8.19e-06	0.0
193	2	9.84e-04	7.01e-03	-0.10	-3.33e-04	5.32e-05	0.0
193	17	3.21e-03	5.46e-03	-0.07	-2.14e-04	4.40e-05	0.0
193	29	1.66e-03	7.53e-03	-0.07	-2.41e-04	3.81e-05	0.0
193	33	1.72e-03	7.66e-03	-0.07	-2.41e-04	3.91e-05	0.0
193	49	4.74e-03	6.19e-03	-0.07	-2.21e-04	5.06e-05	0.0
193	61	2.29e-03	9.48e-03	-0.08	-2.64e-04	4.13e-05	0.0
193	65	2.38e-03	9.68e-03	-0.08	-2.64e-04	4.28e-05	0.0
193	70	7.36e-04	5.23e-03	-0.08	-2.48e-04	3.98e-05	0.0
193	72	6.30e-04	4.43e-03	-0.07	-2.11e-04	3.41e-05	0.0
194	2	-1.57e-05	-6.58e-03	-0.09	3.18e-04	2.41e-06	0.0
194	11	-2.66e-03	-2.88e-03	-0.06	1.85e-04	-9.02e-06	0.0
194	30	1.04e-03	-7.16e-03	-0.07	2.23e-04	4.38e-06	0.0
194	43	-4.23e-03	-2.21e-03	-0.06	1.80e-04	-1.53e-05	0.0
194	62	1.66e-03	-9.02e-03	-0.07	2.40e-04	6.00e-06	0.0
194	70	-1.16e-05	-4.91e-03	-0.07	2.38e-04	1.82e-06	0.0



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194	72	-7.53e-06	-4.19e-03	-0.07	2.03e-04	1.68e-06	0.0
195	2	4.89e-05	-5.53e-03	-0.08	2.66e-04	3.79e-06	0.0
195	10	2.50e-03	-4.45e-03	-0.06	1.68e-04	6.94e-06	0.0
195	30	9.90e-04	-6.32e-03	-0.06	1.80e-04	3.55e-06	0.0
195	42	3.96e-03	-5.08e-03	-0.06	1.71e-04	9.58e-06	0.0
195	62	1.55e-03	-8.06e-03	-0.06	1.90e-04	4.19e-06	0.0
195	70	3.65e-05	-4.13e-03	-0.06	1.98e-04	2.85e-06	0.0
195	72	3.23e-05	-3.53e-03	-0.06	1.70e-04	2.55e-06	0.0
196	2	3.64e-05	-4.32e-03	-0.07	2.09e-04	3.24e-06	0.0
196	10	2.43e-03	-3.68e-03	-0.05	1.32e-04	5.07e-06	0.0
196	30	9.17e-04	-5.44e-03	-0.05	1.38e-04	2.87e-06	0.0
196	42	3.85e-03	-4.28e-03	-0.05	1.34e-04	6.77e-06	0.0
196	62	1.44e-03	-7.08e-03	-0.05	1.44e-04	3.27e-06	0.0
196	70	2.74e-05	-3.23e-03	-0.05	1.56e-04	2.45e-06	0.0
196	72	2.50e-05	-2.77e-03	-0.05	1.34e-04	2.23e-06	0.0
197	2	2.84e-05	-3.13e-03	-0.06	1.52e-04	2.87e-06	0.0
197	10	2.37e-03	-2.92e-03	-0.04	9.53e-05	3.58e-06	0.0
197	30	8.49e-04	-4.62e-03	-0.04	9.91e-05	2.36e-06	0.0
197	42	3.75e-03	-3.51e-03	-0.04	9.65e-05	4.51e-06	0.0
197	62	1.34e-03	-6.21e-03	-0.04	1.02e-04	2.58e-06	0.0
197	70	2.16e-05	-2.34e-03	-0.04	1.13e-04	2.18e-06	0.0
197	72	2.05e-05	-2.00e-03	-0.04	9.73e-05	2.03e-06	0.0
198	2	2.25e-05	-1.95e-03	-0.05	9.49e-05	2.61e-06	0.0
198	10	2.32e-03	-2.18e-03	-0.04	5.96e-05	2.71e-06	0.0
198	30	7.87e-04	-3.84e-03	-0.04	6.15e-05	2.06e-06	0.0
198	42	3.68e-03	-2.76e-03	-0.04	6.02e-05	3.21e-06	0.0
198	62	1.24e-03	-5.39e-03	-0.04	6.32e-05	2.18e-06	0.0
198	70	1.73e-05	-1.46e-03	-0.04	7.09e-05	1.99e-06	0.0
198	72	1.72e-05	-1.25e-03	-0.04	6.10e-05	1.89e-06	0.0
199	1	2.00e-05	-6.43e-04	-0.05	3.13e-05	2.33e-06	0.0
199	2	1.89e-05	-8.02e-04	-0.05	3.89e-05	2.46e-06	0.0
199	10	2.28e-03	-1.46e-03	-0.04	2.47e-05	2.24e-06	0.0
199	30	7.28e-04	-3.10e-03	-0.04	2.57e-05	1.91e-06	0.0
199	42	3.62e-03	-2.03e-03	-0.04	2.51e-05	2.50e-06	0.0
199	62	1.15e-03	-4.64e-03	-0.04	2.67e-05	1.97e-06	0.0
199	69	1.53e-05	-4.93e-04	-0.04	2.40e-05	1.79e-06	0.0
199	70	1.46e-05	-5.99e-04	-0.04	2.91e-05	1.88e-06	0.0
199	71	1.53e-05	-4.93e-04	-0.04	2.40e-05	1.79e-06	0.0
199	72	1.52e-05	-5.14e-04	-0.04	2.50e-05	1.81e-06	0.0
200	1	1.92e-05	2.73e-04	-0.05	-1.34e-05	2.31e-06	0.0
200	2	1.78e-05	3.40e-04	-0.05	-1.66e-05	2.43e-06	0.0
200	17	2.27e-03	1.17e-03	-0.04	-1.08e-05	2.16e-06	0.0
200	31	-6.43e-04	2.81e-03	-0.04	-1.17e-05	1.67e-06	0.0
200	49	3.61e-03	1.74e-03	-0.04	-1.12e-05	2.38e-06	0.0
200	63	-1.03e-03	4.34e-03	-0.04	-1.26e-05	1.61e-06	0.0
200	69	1.47e-05	2.09e-04	-0.04	-1.03e-05	1.78e-06	0.0
200	70	1.38e-05	2.54e-04	-0.04	-1.24e-05	1.86e-06	0.0
200	71	1.47e-05	2.09e-04	-0.04	-1.03e-05	1.78e-06	0.0
200	72	1.45e-05	2.18e-04	-0.04	-1.07e-05	1.80e-06	0.0
201	1	2.00e-05	1.19e-03	-0.05	-5.81e-05	2.37e-06	0.0
201	2	1.92e-05	1.49e-03	-0.05	-7.24e-05	2.53e-06	0.0
201	17	2.31e-03	1.88e-03	-0.04	-4.55e-05	2.50e-06	0.0
201	31	-5.89e-04	3.53e-03	-0.04	-4.68e-05	1.65e-06	0.0
201	49	3.66e-03	2.46e-03	-0.04	-4.60e-05	2.90e-06	0.0
201	63	-9.45e-04	5.08e-03	-0.04	-4.81e-05	1.54e-06	0.0
201	69	1.54e-05	9.14e-04	-0.04	-4.46e-05	1.83e-06	0.0
201	70	1.48e-05	1.11e-03	-0.04	-5.41e-05	1.93e-06	0.0
201	71	1.54e-05	9.14e-04	-0.04	-4.46e-05	1.83e-06	0.0
201	72	1.52e-05	9.53e-04	-0.04	-4.65e-05	1.85e-06	0.0
202	2	2.30e-05	2.65e-03	-0.06	-1.29e-04	2.73e-06	0.0
202	17	2.35e-03	2.61e-03	-0.04	-8.09e-05	3.21e-06	0.0
202	33	8.25e-04	4.30e-03	-0.04	-8.37e-05	2.22e-06	0.0
202	49	3.73e-03	3.20e-03	-0.04	-8.18e-05	3.98e-06	0.0
202	65	1.30e-03	5.87e-03	-0.04	-8.64e-05	2.40e-06	0.0
202	70	1.75e-05	1.98e-03	-0.04	-9.62e-05	2.08e-06	0.0
202	72	1.72e-05	1.70e-03	-0.04	-8.27e-05	1.96e-06	0.0
203	2	2.85e-05	3.84e-03	-0.06	-1.86e-04	3.02e-06	0.0
203	17	2.40e-03	3.37e-03	-0.05	-1.17e-04	4.41e-06	0.0
203	33	8.89e-04	5.10e-03	-0.05	-1.22e-04	2.61e-06	0.0
203	49	3.81e-03	3.96e-03	-0.05	-1.19e-04	5.79e-06	0.0
203	65	1.40e-03	6.72e-03	-0.05	-1.27e-04	2.94e-06	0.0
203	70	2.15e-05	2.87e-03	-0.05	-1.39e-04	2.29e-06	0.0
203	72	2.02e-05	2.46e-03	-0.05	-1.19e-04	2.11e-06	0.0
204	2	3.41e-05	5.05e-03	-0.07	-2.43e-04	3.33e-06	0.0
204	17	2.47e-03	4.14e-03	-0.05	-1.54e-04	6.18e-06	0.0
204	33	9.58e-04	5.96e-03	-0.05	-1.63e-04	3.18e-06	0.0



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204	49	3.92e-03	4.76e-03	-0.05	-1.56e-04	8.52e-06	0.0
204	65	1.51e-03	7.66e-03	-0.05	-1.71e-04	3.75e-06	0.0
204	70	2.56e-05	3.77e-03	-0.06	-1.82e-04	2.51e-06	0.0
204	72	2.32e-05	3.23e-03	-0.05	-1.56e-04	2.27e-06	0.0
205	2	-5.60e-05	6.17e-03	-0.09	-2.98e-04	0.0	0.0
205	20	-2.61e-03	2.67e-03	-0.06	-1.76e-04	-6.77e-06	0.0
205	33	9.77e-04	6.80e-03	-0.06	-2.04e-04	2.44e-06	0.0
205	52	-4.13e-03	2.02e-03	-0.06	-1.72e-04	-1.12e-05	0.0
205	65	1.57e-03	8.59e-03	-0.06	-2.17e-04	3.44e-06	0.0
205	70	-4.16e-05	4.61e-03	-0.07	-2.23e-04	0.0	0.0
205	72	-3.29e-05	3.93e-03	-0.06	-1.90e-04	0.0	0.0
206	2	3.73e-05	6.99e-03	-0.11	-3.54e-04	4.34e-06	-1.99e-06
206	17	2.71e-03	5.43e-03	-0.07	-2.28e-04	1.93e-05	-2.66e-06
206	33	1.13e-03	7.63e-03	-0.07	-2.61e-04	7.19e-06	-2.94e-06
206	49	4.29e-03	6.14e-03	-0.07	-2.37e-04	2.91e-05	-3.56e-06
206	65	1.78e-03	9.64e-03	-0.08	-2.89e-04	9.80e-06	-4.01e-06
206	70	2.77e-05	5.21e-03	-0.08	-2.64e-04	3.26e-06	-1.47e-06
206	72	2.38e-05	4.42e-03	-0.07	-2.24e-04	2.88e-06	-1.21e-06
207	2	-1.10e-03	-6.82e-03	-0.10	3.24e-04	-5.70e-05	0.0
207	8	-3.23e-03	-4.47e-03	-0.07	2.01e-04	-4.34e-05	0.0
207	30	3.48e-04	-7.45e-03	-0.07	2.33e-04	-3.56e-05	0.0
207	40	-4.74e-03	-4.68e-03	-0.07	2.04e-04	-4.84e-05	0.0
207	62	9.54e-04	-9.42e-03	-0.08	2.54e-04	-3.59e-05	0.0
207	70	-8.27e-04	-5.09e-03	-0.08	2.42e-04	-4.26e-05	0.0
207	72	-7.09e-04	-4.31e-03	-0.07	2.06e-04	-3.65e-05	0.0
208	2	-3.67e-04	-6.86e-03	-0.09	3.24e-04	-2.71e-05	0.0
208	11	-2.83e-03	-2.98e-03	-0.06	1.86e-04	-2.53e-05	0.0
208	30	8.55e-04	-7.38e-03	-0.07	2.28e-04	-1.32e-05	0.0
208	43	-4.36e-03	-2.28e-03	-0.06	1.79e-04	-3.01e-05	0.0
208	62	1.50e-03	-9.28e-03	-0.07	2.46e-04	-1.09e-05	0.0
208	70	-2.76e-04	-5.12e-03	-0.07	2.42e-04	-2.03e-05	0.0
208	72	-2.46e-04	-4.36e-03	-0.07	2.06e-04	-1.76e-05	0.0
209	2	-4.89e-04	-5.45e-03	-0.08	2.62e-04	-2.35e-05	0.0
209	11	-2.76e-03	-2.26e-03	-0.05	1.54e-04	-1.85e-05	0.0
209	30	6.60e-04	-6.24e-03	-0.06	1.77e-04	-1.29e-05	0.0
209	43	-4.22e-03	-1.63e-03	-0.05	1.50e-04	-2.10e-05	0.0
209	62	1.23e-03	-7.95e-03	-0.06	1.87e-04	-1.20e-05	0.0
209	70	-3.66e-04	-4.07e-03	-0.06	1.95e-04	-1.75e-05	0.0
209	72	-3.15e-04	-3.48e-03	-0.06	1.67e-04	-1.50e-05	0.0
210	2	-3.30e-04	-4.27e-03	-0.07	2.07e-04	-1.48e-05	0.0
210	11	-2.60e-03	-1.59e-03	-0.05	1.23e-04	-1.16e-05	0.0
210	30	6.97e-04	-5.39e-03	-0.05	1.37e-04	-7.71e-06	0.0
210	43	-4.01e-03	-9.89e-04	-0.05	1.20e-04	-1.32e-05	0.0
210	62	1.23e-03	-7.02e-03	-0.05	1.43e-04	-6.96e-06	0.0
210	70	-2.47e-04	-3.19e-03	-0.05	1.54e-04	-1.10e-05	0.0
210	72	-2.11e-04	-2.73e-03	-0.05	1.32e-04	-9.38e-06	0.0
211	2	-2.21e-04	-3.10e-03	-0.06	1.50e-04	-9.28e-06	0.0
211	11	-2.48e-03	-9.12e-04	-0.04	9.01e-05	-6.99e-06	0.0
211	30	6.99e-04	-4.58e-03	-0.04	9.85e-05	-4.83e-06	0.0
211	43	-3.86e-03	-3.28e-04	-0.04	8.86e-05	-7.86e-06	0.0
211	62	1.19e-03	-6.16e-03	-0.04	1.02e-04	-4.42e-06	0.0
211	70	-1.65e-04	-2.32e-03	-0.04	1.12e-04	-6.91e-06	0.0
211	72	-1.40e-04	-1.99e-03	-0.04	9.65e-05	-5.80e-06	0.0
212	2	-1.58e-04	-1.94e-03	-0.05	9.43e-05	-6.12e-06	0.0
212	10	2.21e-03	-2.16e-03	-0.04	5.95e-05	-2.77e-06	0.0
212	11	-2.40e-03	-2.22e-04	-0.04	5.66e-05	-4.29e-06	0.0
212	30	6.78e-04	-3.81e-03	-0.04	6.12e-05	-3.15e-06	0.0
212	42	3.57e-03	-2.73e-03	-0.04	6.03e-05	-2.32e-06	0.0
212	43	-3.75e-03	3.49e-04	-0.04	5.58e-05	-4.74e-06	0.0
212	62	1.13e-03	-5.35e-03	-0.04	6.30e-05	-2.92e-06	0.0
212	70	-1.18e-04	-1.45e-03	-0.04	7.04e-05	-4.54e-06	0.0
212	72	-9.86e-05	-1.24e-03	-0.04	6.05e-05	-3.74e-06	0.0
213	2	-1.27e-04	-7.96e-04	-0.05	3.87e-05	-4.58e-06	0.0
213	10	2.19e-03	-1.45e-03	-0.04	2.47e-05	-2.20e-06	0.0
213	11	-2.34e-03	4.68e-04	-0.04	2.30e-05	-2.93e-06	0.0
213	30	6.39e-04	-3.07e-03	-0.04	2.56e-05	-2.39e-06	0.0
213	42	3.53e-03	-2.01e-03	-0.04	2.51e-05	-1.99e-06	0.0
213	43	-3.68e-03	1.03e-03	-0.04	2.25e-05	-3.14e-06	0.0
213	62	1.06e-03	-4.60e-03	-0.04	2.66e-05	-2.29e-06	0.0
213	70	-9.46e-05	-5.95e-04	-0.04	2.89e-05	-3.39e-06	0.0
213	72	-7.87e-05	-5.11e-04	-0.04	2.48e-05	-2.73e-06	0.0
214	2	-1.22e-04	3.38e-04	-0.05	-1.65e-05	-4.33e-06	0.0
214	17	2.19e-03	1.16e-03	-0.04	-1.09e-05	-2.12e-06	0.0
214	20	-2.33e-03	-7.45e-04	-0.04	-9.49e-06	-2.69e-06	0.0
214	31	-7.28e-04	2.79e-03	-0.04	-1.16e-05	-2.45e-06	0.0
214	49	3.52e-03	1.72e-03	-0.04	-1.13e-05	-1.95e-06	0.0



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214	52	-3.66e-03	-1.31e-03	-0.04	-9.08e-06	-2.86e-06	0.0
214	63	-1.12e-03	4.31e-03	-0.04	-1.24e-05	-2.47e-06	0.0
214	70	-9.12e-05	2.52e-04	-0.04	-1.24e-05	-3.20e-06	0.0
214	72	-7.57e-05	2.17e-04	-0.04	-1.06e-05	-2.57e-06	0.0
215	2	-1.43e-04	1.48e-03	-0.05	-7.19e-05	-5.31e-06	0.0
215	17	2.21e-03	1.87e-03	-0.04	-4.54e-05	-2.43e-06	0.0
215	20	-2.38e-03	-5.40e-05	-0.04	-4.31e-05	-3.62e-06	0.0
215	33	6.66e-04	3.51e-03	-0.04	-4.67e-05	-2.73e-06	0.0
215	49	3.56e-03	2.44e-03	-0.04	-4.61e-05	-2.08e-06	0.0
215	52	-3.73e-03	-6.21e-04	-0.04	-4.25e-05	-3.97e-06	0.0
215	65	1.11e-03	5.04e-03	-0.04	-4.81e-05	-2.56e-06	0.0
215	70	-1.06e-04	1.10e-03	-0.04	-5.37e-05	-3.94e-06	0.0
215	72	-8.89e-05	9.46e-04	-0.04	-4.62e-05	-3.21e-06	0.0
216	2	-1.92e-04	2.63e-03	-0.06	-1.28e-04	-7.71e-06	0.0
216	17	2.22e-03	2.59e-03	-0.04	-8.07e-05	-3.35e-06	0.0
216	20	-2.45e-03	6.36e-04	-0.04	-7.67e-05	-5.73e-06	0.0
216	33	6.95e-04	4.26e-03	-0.04	-8.33e-05	-3.98e-06	0.0
216	49	3.59e-03	3.17e-03	-0.04	-8.19e-05	-2.65e-06	0.0
216	52	-3.82e-03	5.89e-05	-0.04	-7.55e-05	-6.43e-06	0.0
216	65	1.17e-03	5.83e-03	-0.04	-8.60e-05	-3.64e-06	0.0
216	70	-1.43e-04	1.96e-03	-0.04	-9.55e-05	-5.74e-06	0.0
216	72	-1.21e-04	1.69e-03	-0.04	-8.21e-05	-4.78e-06	0.0
217	2	-2.78e-04	3.80e-03	-0.06	-1.84e-04	-1.20e-05	0.0
217	20	-2.55e-03	1.32e-03	-0.04	-1.10e-04	-9.46e-06	0.0
217	33	7.05e-04	5.06e-03	-0.05	-1.22e-04	-6.22e-06	0.0
217	52	-3.95e-03	7.30e-04	-0.04	-1.08e-04	-1.08e-05	0.0
217	65	1.22e-03	6.67e-03	-0.05	-1.26e-04	-5.61e-06	0.0
217	70	-2.08e-04	2.84e-03	-0.05	-1.38e-04	-8.97e-06	0.0
217	72	-1.77e-04	2.43e-03	-0.05	-1.18e-04	-7.59e-06	0.0
218	2	-3.95e-04	4.99e-03	-0.07	-2.40e-04	-1.85e-05	0.0
218	20	-2.68e-03	2.00e-03	-0.05	-1.42e-04	-1.49e-05	0.0
218	33	6.95e-04	5.90e-03	-0.05	-1.61e-04	-9.87e-06	0.0
218	52	-4.12e-03	1.39e-03	-0.05	-1.39e-04	-1.69e-05	0.0
218	65	1.25e-03	7.57e-03	-0.05	-1.69e-04	-9.01e-06	0.0
218	70	-2.96e-04	3.72e-03	-0.06	-1.79e-04	-1.38e-05	0.0
218	72	-2.54e-04	3.19e-03	-0.05	-1.54e-04	-1.18e-05	0.0
219	2	-1.91e-04	6.36e-03	-0.09	-3.02e-04	-1.70e-05	0.0
219	20	-2.69e-03	2.74e-03	-0.06	-1.75e-04	-1.79e-05	0.0
219	33	9.40e-04	6.95e-03	-0.06	-2.09e-04	-6.82e-06	0.0
219	52	-4.20e-03	2.07e-03	-0.06	-1.70e-04	-2.21e-05	0.0
219	65	1.57e-03	8.76e-03	-0.06	-2.24e-04	-4.48e-06	0.0
219	70	-1.45e-04	4.75e-03	-0.07	-2.26e-04	-1.28e-05	0.0
219	72	-1.32e-04	4.05e-03	-0.06	-1.93e-04	-1.12e-05	0.0
220	2	-1.15e-03	6.88e-03	-0.10	-3.26e-04	-5.80e-05	0.0
220	15	-3.25e-03	4.52e-03	-0.07	-2.03e-04	-4.38e-05	0.0
220	31	-1.11e-03	7.50e-03	-0.07	-2.34e-04	-4.05e-05	0.0
220	33	3.12e-04	7.50e-03	-0.07	-2.35e-04	-3.66e-05	0.0
220	47	-4.75e-03	4.74e-03	-0.07	-2.06e-04	-4.86e-05	0.0
220	63	-1.34e-03	9.47e-03	-0.07	-2.56e-04	-4.34e-05	0.0
220	65	9.12e-04	9.47e-03	-0.08	-2.56e-04	-3.73e-05	0.0
220	70	-8.57e-04	5.13e-03	-0.08	-2.44e-04	-4.34e-05	0.0
220	72	-7.35e-04	4.35e-03	-0.07	-2.07e-04	-3.71e-05	0.0
221	2	-2.13e-03	-5.72e-03	-0.10	2.78e-04	-1.10e-04	0.0
221	8	-3.76e-03	-3.77e-03	-0.07	1.71e-04	-7.02e-05	0.0
221	30	-3.39e-04	-6.53e-03	-0.07	1.96e-04	-7.28e-05	0.0
221	40	-5.21e-03	-3.95e-03	-0.07	1.72e-04	-7.18e-05	0.0
221	62	2.33e-04	-8.33e-03	-0.07	2.11e-04	-7.59e-05	0.0
221	70	-1.60e-03	-4.27e-03	-0.07	2.08e-04	-8.24e-05	0.0
221	72	-1.37e-03	-3.63e-03	-0.07	1.77e-04	-7.05e-05	0.0
222	2	-1.77e-03	-5.59e-03	-0.09	2.72e-04	-9.05e-05	0.0
222	8	-3.51e-03	-3.69e-03	-0.06	1.67e-04	-5.74e-05	0.0
222	30	-1.22e-04	-6.41e-03	-0.06	1.90e-04	-5.81e-05	0.0
222	43	-4.94e-03	-1.65e-03	-0.06	1.51e-04	-5.63e-05	0.0
222	62	4.48e-04	-8.18e-03	-0.07	2.04e-04	-5.96e-05	0.0
222	70	-1.32e-03	-4.17e-03	-0.07	2.03e-04	-6.77e-05	0.0
222	72	-1.14e-03	-3.56e-03	-0.06	1.73e-04	-5.80e-05	0.0
223	2	-1.23e-03	-4.93e-03	-0.08	2.40e-04	-6.02e-05	0.0
223	11	-3.16e-03	-1.95e-03	-0.05	1.39e-04	-3.86e-05	0.0
223	30	1.97e-04	-5.89e-03	-0.06	1.65e-04	-3.63e-05	0.0
223	43	-4.58e-03	-1.32e-03	-0.05	1.35e-04	-3.95e-05	0.0
223	62	7.58e-04	-7.58e-03	-0.06	1.75e-04	-3.58e-05	0.0
223	70	-9.17e-04	-3.68e-03	-0.06	1.79e-04	-4.51e-05	0.0
223	72	-7.88e-04	-3.15e-03	-0.05	1.54e-04	-3.86e-05	0.0
224	2	-8.27e-04	-3.99e-03	-0.07	1.94e-04	-3.93e-05	0.0
224	11	-2.88e-03	-1.43e-03	-0.05	1.14e-04	-2.54e-05	0.0
224	30	3.87e-04	-5.18e-03	-0.05	1.30e-04	-2.31e-05	0.0



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224	43	-4.27e-03	-8.27e-04	-0.05	1.11e-04	-2.61e-05	0.0
224	62	9.15e-04	-6.79e-03	-0.05	1.36e-04	-2.25e-05	0.0
224	70	-6.18e-04	-2.98e-03	-0.05	1.45e-04	-2.94e-05	0.0
224	72	-5.30e-04	-2.55e-03	-0.05	1.24e-04	-2.52e-05	0.0
225	2	-5.69e-04	-2.93e-03	-0.06	1.43e-04	-2.63e-05	0.0
225	11	-2.68e-03	-8.21e-04	-0.04	8.48e-05	-1.68e-05	0.0
225	30	4.85e-04	-4.44e-03	-0.04	9.42e-05	-1.53e-05	0.0
225	43	-4.05e-03	-2.44e-04	-0.04	8.29e-05	-1.72e-05	0.0
225	62	9.76e-04	-6.00e-03	-0.04	9.79e-05	-1.49e-05	0.0
225	70	-4.26e-04	-2.19e-03	-0.04	1.07e-04	-1.97e-05	0.0
225	72	-3.64e-04	-1.88e-03	-0.04	9.18e-05	-1.68e-05	0.0
226	2	-4.15e-04	-1.85e-03	-0.05	9.02e-05	-1.86e-05	0.0
226	10	2.04e-03	-2.09e-03	-0.04	5.74e-05	-1.10e-05	0.0
226	11	-2.55e-03	-1.82e-04	-0.04	5.37e-05	-1.16e-05	0.0
226	30	5.20e-04	-3.72e-03	-0.04	5.89e-05	-1.08e-05	0.0
226	42	3.39e-03	-2.65e-03	-0.04	5.85e-05	-1.08e-05	0.0
226	43	-3.90e-03	3.81e-04	-0.04	5.25e-05	-1.17e-05	0.0
226	62	9.75e-04	-5.24e-03	-0.04	6.09e-05	-1.06e-05	0.0
226	70	-3.10e-04	-1.38e-03	-0.04	6.74e-05	-1.39e-05	0.0
226	72	-2.64e-04	-1.19e-03	-0.04	5.79e-05	-1.18e-05	0.0
227	2	-3.38e-04	-7.62e-04	-0.05	3.71e-05	-1.48e-05	0.0
227	10	2.06e-03	-1.41e-03	-0.04	2.39e-05	-8.93e-06	0.0
227	11	-2.47e-03	4.71e-04	-0.04	2.18e-05	-8.86e-06	0.0
227	30	5.08e-04	-3.02e-03	-0.04	2.48e-05	-8.76e-06	0.0
227	42	3.39e-03	-1.96e-03	-0.04	2.45e-05	-8.94e-06	0.0
227	43	-3.80e-03	1.02e-03	-0.04	2.12e-05	-8.84e-06	0.0
227	62	9.28e-04	-4.52e-03	-0.04	2.59e-05	-8.68e-06	0.0
227	70	-2.52e-04	-5.69e-04	-0.04	2.77e-05	-1.10e-05	0.0
227	72	-2.14e-04	-4.88e-04	-0.04	2.38e-05	-9.32e-06	0.0
228	2	-3.26e-04	3.24e-04	-0.05	-1.59e-05	-1.42e-05	0.0
228	17	2.06e-03	1.13e-03	-0.04	-1.06e-05	-8.58e-06	0.0
228	20	-2.45e-03	-7.34e-04	-0.04	-8.94e-06	-8.42e-06	0.0
228	33	4.94e-04	2.74e-03	-0.04	-1.15e-05	-8.46e-06	0.0
228	49	3.38e-03	1.68e-03	-0.04	-1.11e-05	-8.63e-06	0.0
228	52	-3.78e-03	-1.28e-03	-0.04	-8.43e-06	-8.37e-06	0.0
228	65	9.02e-04	4.24e-03	-0.04	-1.25e-05	-8.44e-06	0.0
228	70	-2.43e-04	2.42e-04	-0.04	-1.19e-05	-1.06e-05	0.0
228	72	-2.07e-04	2.08e-04	-0.04	-1.02e-05	-8.91e-06	0.0
229	2	-3.76e-04	1.41e-03	-0.05	-6.90e-05	-1.66e-05	0.0
229	17	2.05e-03	1.81e-03	-0.04	-4.40e-05	-9.83e-06	0.0
229	20	-2.51e-03	-7.78e-05	-0.04	-4.09e-05	-1.02e-05	0.0
229	33	5.22e-04	3.43e-03	-0.04	-4.51e-05	-9.70e-06	0.0
229	49	3.40e-03	2.37e-03	-0.04	-4.48e-05	-9.72e-06	0.0
229	52	-3.86e-03	-6.35e-04	-0.04	-4.01e-05	-1.03e-05	0.0
229	65	9.65e-04	4.94e-03	-0.04	-4.67e-05	-9.52e-06	0.0
229	70	-2.81e-04	1.05e-03	-0.04	-5.15e-05	-1.24e-05	0.0
229	72	-2.39e-04	9.04e-04	-0.04	-4.43e-05	-1.05e-05	0.0
230	2	-4.96e-04	2.50e-03	-0.05	-1.22e-04	-2.26e-05	0.0
230	17	2.01e-03	2.50e-03	-0.04	-7.77e-05	-1.32e-05	0.0
230	20	-2.62e-03	5.69e-04	-0.04	-7.24e-05	-1.43e-05	0.0
230	33	5.08e-04	4.15e-03	-0.04	-8.00e-05	-1.31e-05	0.0
230	49	3.38e-03	3.07e-03	-0.04	-7.92e-05	-1.29e-05	0.0
230	52	-3.99e-03	0.0	-0.04	-7.09e-05	-1.46e-05	0.0
230	65	9.87e-04	5.69e-03	-0.04	-8.29e-05	-1.28e-05	0.0
230	70	-3.71e-04	1.87e-03	-0.04	-9.11e-05	-1.69e-05	0.0
230	72	-3.17e-04	1.60e-03	-0.04	-7.83e-05	-1.44e-05	0.0
231	2	-7.07e-04	3.57e-03	-0.06	-1.74e-04	-3.32e-05	0.0
231	20	-2.79e-03	1.19e-03	-0.04	-1.03e-04	-2.14e-05	0.0
231	33	4.39e-04	4.88e-03	-0.05	-1.16e-04	-1.94e-05	0.0
231	52	-4.18e-03	6.04e-04	-0.04	-1.00e-04	-2.20e-05	0.0
231	65	9.54e-04	6.47e-03	-0.05	-1.21e-04	-1.88e-05	0.0
231	70	-5.29e-04	2.67e-03	-0.05	-1.30e-04	-2.48e-05	0.0
231	72	-4.53e-04	2.28e-03	-0.05	-1.12e-04	-2.12e-05	0.0
232	2	-1.04e-03	4.57e-03	-0.07	-2.23e-04	-5.06e-05	0.0
232	20	-3.04e-03	1.75e-03	-0.05	-1.30e-04	-3.26e-05	0.0
232	33	2.96e-04	5.61e-03	-0.05	-1.51e-04	-3.00e-05	0.0
232	52	-4.45e-03	1.14e-03	-0.05	-1.26e-04	-3.35e-05	0.0
232	65	8.48e-04	7.26e-03	-0.05	-1.60e-04	-2.94e-05	0.0
232	70	-7.78e-04	3.41e-03	-0.05	-1.66e-04	-3.78e-05	0.0
232	72	-6.68e-04	2.92e-03	-0.05	-1.43e-04	-3.24e-05	0.0
233	2	-1.53e-03	5.37e-03	-0.08	-2.61e-04	-7.75e-05	0.0
233	20	-3.36e-03	2.19e-03	-0.06	-1.51e-04	-4.85e-05	0.0
233	33	2.16e-05	6.23e-03	-0.06	-1.81e-04	-4.86e-05	0.0
233	52	-4.79e-03	1.55e-03	-0.06	-1.46e-04	-4.91e-05	0.0
233	65	5.92e-04	7.98e-03	-0.06	-1.94e-04	-4.92e-05	0.0
233	70	-1.15e-03	4.01e-03	-0.06	-1.95e-04	-5.80e-05	0.0



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233	72	-9.86e-04	3.42e-03	-0.06	-1.67e-04	-4.97e-05	0.0
234	2	-2.16e-03	5.70e-03	-0.10	-2.77e-04	-1.11e-04	0.0
234	15	-3.78e-03	3.77e-03	-0.07	-1.70e-04	-7.04e-05	0.0
234	33	-3.62e-04	6.51e-03	-0.07	-1.95e-04	-7.32e-05	0.0
234	47	-5.23e-03	3.95e-03	-0.07	-1.71e-04	-7.20e-05	0.0
234	65	2.06e-04	8.31e-03	-0.07	-2.11e-04	-7.65e-05	0.0
234	70	-1.62e-03	4.25e-03	-0.07	-2.07e-04	-8.27e-05	0.0
234	72	-1.39e-03	3.62e-03	-0.07	-1.77e-04	-7.07e-05	0.0
235	2	-2.40e-03	-4.95e-03	-0.09	2.43e-04	-1.22e-04	0.0
235	8	-3.84e-03	-3.32e-03	-0.06	1.49e-04	-7.37e-05	0.0
235	30	-1.03e-03	-5.93e-03	-0.07	1.70e-04	-8.26e-05	0.0
235	40	-5.24e-03	-3.49e-03	-0.06	1.49e-04	-7.31e-05	0.0
235	62	-7.67e-04	-7.65e-03	-0.07	1.83e-04	-8.72e-05	0.0
235	70	-1.79e-03	-3.69e-03	-0.07	1.82e-04	-9.14e-05	0.0
235	72	-1.53e-03	-3.15e-03	-0.06	1.55e-04	-7.81e-05	0.0
236	2	-2.05e-03	-4.82e-03	-0.08	2.37e-04	-1.04e-04	0.0
236	8	-3.62e-03	-3.23e-03	-0.06	1.45e-04	-6.23e-05	0.0
236	30	-3.30e-04	-5.81e-03	-0.06	1.65e-04	-6.82e-05	0.0
236	40	-5.01e-03	-3.40e-03	-0.06	1.45e-04	-6.17e-05	0.0
236	62	2.18e-04	-7.51e-03	-0.06	1.77e-04	-7.10e-05	0.0
236	70	-1.54e-03	-3.59e-03	-0.06	1.77e-04	-7.75e-05	0.0
236	72	-1.31e-03	-3.07e-03	-0.06	1.51e-04	-6.63e-05	0.0
237	2	-1.50e-03	-4.34e-03	-0.07	2.13e-04	-7.42e-05	0.0
237	11	-3.27e-03	-1.62e-03	-0.05	1.23e-04	-4.39e-05	0.0
237	30	-6.81e-06	-5.43e-03	-0.05	1.46e-04	-4.70e-05	0.0
237	43	-4.65e-03	-1.01e-03	-0.05	1.19e-04	-4.29e-05	0.0
237	62	5.33e-04	-7.08e-03	-0.05	1.55e-04	-4.79e-05	0.0
237	70	-1.12e-03	-3.24e-03	-0.06	1.59e-04	-5.55e-05	0.0
237	72	-9.62e-04	-2.77e-03	-0.05	1.36e-04	-4.75e-05	0.0
238	2	-1.06e-03	-3.58e-03	-0.06	1.76e-04	-5.13e-05	0.0
238	11	-2.98e-03	-1.20e-03	-0.04	1.03e-04	-3.07e-05	0.0
238	30	2.26e-04	-4.88e-03	-0.05	1.19e-04	-3.14e-05	0.0
238	43	-4.36e-03	-6.16e-04	-0.04	9.97e-05	-3.03e-05	0.0
238	62	7.44e-04	-6.46e-03	-0.05	1.25e-04	-3.14e-05	0.0
238	70	-7.95e-04	-2.68e-03	-0.05	1.31e-04	-3.84e-05	0.0
238	72	-6.81e-04	-2.29e-03	-0.05	1.13e-04	-3.29e-05	0.0
239	2	-7.56e-04	-2.68e-03	-0.06	1.32e-04	-3.57e-05	0.0
239	11	-2.77e-03	-6.84e-04	-0.04	7.74e-05	-2.13e-05	0.0
239	30	3.63e-04	-4.24e-03	-0.04	8.72e-05	-2.15e-05	0.0
239	43	-4.13e-03	-1.18e-04	-0.04	7.54e-05	-2.10e-05	0.0
239	62	8.51e-04	-5.78e-03	-0.04	9.10e-05	-2.13e-05	0.0
239	70	-5.65e-04	-2.00e-03	-0.04	9.82e-05	-2.67e-05	0.0
239	72	-4.84e-04	-1.71e-03	-0.04	8.43e-05	-2.28e-05	0.0
240	2	-5.64e-04	-1.70e-03	-0.05	8.37e-05	-2.60e-05	0.0
240	10	1.93e-03	-1.98e-03	-0.04	5.35e-05	-1.63e-05	0.0
240	11	-2.62e-03	-1.12e-04	-0.04	4.94e-05	-1.53e-05	0.0
240	30	4.25e-04	-3.59e-03	-0.04	5.51e-05	-1.56e-05	0.0
240	42	3.28e-03	-2.53e-03	-0.04	5.47e-05	-1.66e-05	0.0
240	43	-3.97e-03	4.39e-04	-0.04	4.82e-05	-1.51e-05	0.0
240	62	8.78e-04	-5.09e-03	-0.04	5.72e-05	-1.54e-05	0.0
240	70	-4.21e-04	-1.27e-03	-0.04	6.25e-05	-1.94e-05	0.0
240	72	-3.60e-04	-1.09e-03	-0.04	5.37e-05	-1.65e-05	0.0
241	2	-4.65e-04	-7.05e-04	-0.05	3.46e-05	-2.10e-05	0.0
241	10	1.97e-03	-1.35e-03	-0.04	2.24e-05	-1.33e-05	0.0
241	11	-2.53e-03	4.86e-04	-0.04	2.01e-05	-1.22e-05	0.0
241	30	4.27e-04	-2.95e-03	-0.04	2.34e-05	-1.28e-05	0.0
241	42	3.29e-03	-1.89e-03	-0.04	2.31e-05	-1.36e-05	0.0
241	43	-3.86e-03	1.03e-03	-0.04	1.94e-05	-1.19e-05	0.0
241	62	8.45e-04	-4.43e-03	-0.04	2.47e-05	-1.28e-05	0.0
241	70	-3.48e-04	-5.27e-04	-0.04	2.58e-05	-1.57e-05	0.0
241	72	-2.97e-04	-4.52e-04	-0.04	2.22e-05	-1.34e-05	0.0
242	2	-4.50e-04	3.01e-04	-0.05	-1.48e-05	-2.02e-05	0.0
242	17	1.97e-03	1.10e-03	-0.04	-1.01e-05	-1.28e-05	0.0
242	20	-2.52e-03	-7.28e-04	-0.03	-8.19e-06	-1.17e-05	0.0
242	33	4.15e-04	2.69e-03	-0.04	-1.10e-05	-1.24e-05	0.0
242	49	3.29e-03	1.64e-03	-0.04	-1.06e-05	-1.32e-05	0.0
242	52	-3.84e-03	-1.27e-03	-0.03	-7.63e-06	-1.14e-05	0.0
242	65	8.21e-04	4.17e-03	-0.04	-1.21e-05	-1.24e-05	0.0
242	70	-3.36e-04	2.25e-04	-0.04	-1.11e-05	-1.11e-05	0.0
242	72	-2.86e-04	1.93e-04	-0.04	-9.53e-06	-1.28e-05	0.0
243	2	-5.14e-04	1.30e-03	-0.05	-6.41e-05	-2.34e-05	0.0
243	17	1.96e-03	1.73e-03	-0.04	-4.11e-05	-1.47e-05	0.0
243	20	-2.58e-03	-1.24e-04	-0.04	-3.78e-05	-1.37e-05	0.0
243	33	4.34e-04	3.33e-03	-0.04	-4.23e-05	-1.41e-05	0.0
243	49	3.30e-03	2.27e-03	-0.04	-4.21e-05	-1.50e-05	0.0
243	52	-3.92e-03	-6.69e-04	-0.04	-3.68e-05	-1.35e-05	0.0



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243	65	8.75e-04	4.82e-03	-0.04	-4.40e-05	-1.40e-05	0.0
243	70	-3.84e-04	9.74e-04	-0.04	-4.79e-05	-1.75e-05	0.0
243	72	-3.28e-04	8.36e-04	-0.04	-4.11e-05	-1.49e-05	0.0
244	2	-6.67e-04	2.29e-03	-0.05	-1.13e-04	-3.11e-05	0.0
244	17	1.89e-03	2.35e-03	-0.04	-7.21e-05	-1.94e-05	0.0
244	20	-2.71e-03	4.61e-04	-0.04	-6.64e-05	-1.85e-05	0.0
244	33	3.98e-04	3.98e-03	-0.04	-7.44e-05	-1.87e-05	0.0
244	49	3.25e-03	2.91e-03	-0.04	-7.38e-05	-1.97e-05	0.0
244	52	-4.06e-03	-9.70e-05	-0.04	-6.47e-05	-1.82e-05	0.0
244	65	8.74e-04	5.50e-03	-0.04	-7.74e-05	-1.85e-05	0.0
244	70	-4.99e-04	1.71e-03	-0.04	-8.41e-05	-2.32e-05	0.0
244	72	-4.26e-04	1.47e-03	-0.04	-7.22e-05	-1.98e-05	0.0
245	2	-9.25e-04	3.23e-03	-0.06	-1.59e-04	-4.42e-05	0.0
245	20	-2.89e-03	1.00e-03	-0.04	-9.30e-05	-2.65e-05	0.0
245	33	2.94e-04	4.63e-03	-0.04	-1.06e-04	-2.69e-05	0.0
245	52	-4.26e-03	4.29e-04	-0.04	-9.04e-05	-2.61e-05	0.0
245	65	8.02e-04	6.19e-03	-0.04	-1.11e-04	-2.67e-05	0.0
245	70	-6.92e-04	2.41e-03	-0.05	-1.19e-04	-3.31e-05	0.0
245	72	-5.93e-04	2.07e-03	-0.04	-1.02e-04	-2.83e-05	0.0
246	2	-1.31e-03	4.05e-03	-0.07	-1.99e-04	-6.43e-05	0.0
246	20	-3.15e-03	1.47e-03	-0.05	-1.16e-04	-3.82e-05	0.0
246	33	9.86e-05	5.22e-03	-0.05	-1.36e-04	-4.03e-05	0.0
246	52	-4.53e-03	8.74e-04	-0.05	-1.12e-04	-3.74e-05	0.0
246	65	6.32e-04	6.84e-03	-0.05	-1.44e-04	-4.08e-05	0.0
246	70	-9.81e-04	3.02e-03	-0.05	-1.49e-04	-4.81e-05	0.0
246	72	-8.41e-04	2.59e-03	-0.05	-1.28e-04	-4.12e-05	0.0
247	2	-1.83e-03	4.65e-03	-0.08	-2.29e-04	-9.15e-05	0.0
247	20	-3.47e-03	1.80e-03	-0.05	-1.32e-04	-5.36e-05	0.0
247	33	-1.95e-04	5.68e-03	-0.06	-1.58e-04	-5.93e-05	0.0
247	52	-4.86e-03	1.19e-03	-0.05	-1.27e-04	-5.22e-05	0.0
247	65	3.51e-04	7.35e-03	-0.06	-1.69e-04	-6.13e-05	0.0
247	70	-1.37e-03	3.47e-03	-0.06	-1.71e-04	-6.84e-05	0.0
247	72	-1.17e-03	2.97e-03	-0.06	-1.46e-04	-5.85e-05	0.0
248	2	-2.42e-03	4.92e-03	-0.09	-2.42e-04	-1.22e-04	0.0
248	15	-3.85e-03	3.31e-03	-0.06	-1.49e-04	-7.39e-05	0.0
248	33	-1.04e-03	5.91e-03	-0.07	-1.70e-04	-8.26e-05	0.0
248	47	-5.25e-03	3.49e-03	-0.06	-1.49e-04	-7.33e-05	0.0
248	65	-7.78e-04	7.63e-03	-0.07	-1.82e-04	-8.73e-05	0.0
248	70	-1.81e-03	3.67e-03	-0.07	-1.81e-04	-9.16e-05	0.0
248	72	-1.54e-03	3.14e-03	-0.06	-1.54e-04	-7.82e-05	0.0
249	2	-2.12e-03	-4.31e-03	-0.09	2.13e-04	-1.07e-04	0.0
249	8	-3.61e-03	-2.95e-03	-0.06	1.31e-04	-6.21e-05	0.0
249	30	-3.77e-04	-5.41e-03	-0.06	1.48e-04	-7.31e-05	0.0
249	40	-4.98e-03	-3.13e-03	-0.06	1.31e-04	-6.01e-05	0.0
249	62	1.64e-04	-7.05e-03	-0.06	1.58e-04	-7.76e-05	0.0
249	70	-1.58e-03	-3.21e-03	-0.06	1.59e-04	-8.02e-05	0.0
249	72	-1.35e-03	-2.75e-03	-0.06	1.36e-04	-6.84e-05	0.0
250	2	-1.84e-03	-4.20e-03	-0.08	2.08e-04	-9.26e-05	0.0
250	8	-3.44e-03	-2.88e-03	-0.06	1.28e-04	-5.34e-05	0.0
250	30	-2.14e-04	-5.32e-03	-0.06	1.44e-04	-6.20e-05	0.0
250	40	-4.80e-03	-3.07e-03	-0.05	1.28e-04	-5.15e-05	0.0
250	62	3.24e-04	-6.95e-03	-0.06	1.53e-04	-6.52e-05	0.0
250	70	-1.38e-03	-3.13e-03	-0.06	1.55e-04	-6.92e-05	0.0
250	72	-1.18e-03	-2.68e-03	-0.06	1.33e-04	-5.91e-05	0.0
251	2	-1.40e-03	-3.81e-03	-0.07	1.89e-04	-6.92e-05	0.0
251	11	-3.16e-03	-1.35e-03	-0.05	1.10e-04	-3.88e-05	0.0
251	30	3.68e-05	-5.02e-03	-0.05	1.29e-04	-4.50e-05	0.0
251	43	-4.52e-03	-7.69e-04	-0.05	1.06e-04	-3.67e-05	0.0
251	62	5.63e-04	-6.61e-03	-0.05	1.37e-04	-4.67e-05	0.0
251	70	-1.05e-03	-2.84e-03	-0.05	1.41e-04	-5.18e-05	0.0
251	72	-8.94e-04	-2.43e-03	-0.05	1.21e-04	-4.42e-05	0.0
252	2	-1.03e-03	-3.19e-03	-0.06	1.58e-04	-5.00e-05	0.0
252	11	-2.93e-03	-9.97e-04	-0.04	9.23e-05	-2.82e-05	0.0
252	30	2.30e-04	-4.57e-03	-0.04	1.06e-04	-3.17e-05	0.0
252	43	-4.29e-03	-4.32e-04	-0.04	8.97e-05	-2.68e-05	0.0
252	62	7.38e-04	-6.12e-03	-0.05	1.12e-04	-3.23e-05	0.0
252	70	-7.71e-04	-2.38e-03	-0.05	1.18e-04	-3.74e-05	0.0
252	72	-6.59e-04	-2.04e-03	-0.04	1.01e-04	-3.19e-05	0.0
253	2	-7.58e-04	-2.41e-03	-0.05	1.19e-04	-3.60e-05	0.0
253	11	-2.75e-03	-5.48e-04	-0.04	7.02e-05	-2.03e-05	0.0
253	30	3.53e-04	-4.03e-03	-0.04	7.95e-05	-2.22e-05	0.0
253	43	-4.09e-03	1.34e-06	-0.04	6.83e-05	-1.94e-05	0.0
253	62	8.34e-04	-5.54e-03	-0.04	8.32e-05	-2.24e-05	0.0
253	70	-5.67e-04	-1.80e-03	-0.04	8.91e-05	-2.69e-05	0.0
253	72	-4.84e-04	-1.54e-03	-0.04	7.65e-05	-2.30e-05	0.0
254	2	-5.80e-04	-1.55e-03	-0.05	7.65e-05	-2.69e-05	0.0



254	10	1.91e-03	-1.86e-03	-0.04	4.90e-05	-1.76e-05	0.0
254	11	-2.62e-03	-4.01e-05	-0.04	4.51e-05	-1.51e-05	0.0
254	30	4.10e-04	-3.45e-03	-0.04	5.08e-05	-1.65e-05	0.0
254	42	3.24e-03	-2.40e-03	-0.04	5.02e-05	-1.84e-05	0.0
254	43	-3.95e-03	4.97e-04	-0.04	4.39e-05	-1.44e-05	0.0
254	62	8.60e-04	-4.93e-03	-0.04	5.29e-05	-1.65e-05	0.0
254	70	-4.34e-04	-1.16e-03	-0.04	5.72e-05	-2.01e-05	0.0
254	72	-3.70e-04	-9.92e-04	-0.04	4.91e-05	-1.71e-05	0.0
255	2	-4.87e-04	-6.44e-04	-0.05	3.18e-05	-2.22e-05	0.0
255	10	1.94e-03	-1.29e-03	-0.04	2.07e-05	-1.46e-05	0.0
255	11	-2.54e-03	5.02e-04	-0.03	1.84e-05	-1.24e-05	0.0
255	30	4.10e-04	-2.87e-03	-0.03	2.18e-05	-1.37e-05	0.0
255	42	3.27e-03	-1.82e-03	-0.04	2.14e-05	-1.52e-05	0.0
255	43	-3.86e-03	1.03e-03	-0.03	1.77e-05	-1.17e-05	0.0
255	62	8.27e-04	-4.33e-03	-0.04	2.32e-05	-1.38e-05	0.0
255	70	-3.64e-04	-4.81e-04	-0.04	2.37e-05	-1.66e-05	0.0
255	72	-3.10e-04	-4.12e-04	-0.03	2.04e-05	-1.41e-05	0.0
256	2	-4.72e-04	2.76e-04	-0.05	-1.37e-05	-2.14e-05	0.0
256	17	1.95e-03	1.06e-03	-0.03	-9.36e-06	-1.41e-05	0.0
256	20	-2.52e-03	-7.22e-04	-0.03	-7.46e-06	-1.19e-05	0.0
256	33	3.99e-04	2.64e-03	-0.03	-1.05e-05	-1.33e-05	0.0
256	49	3.26e-03	1.59e-03	-0.03	-9.92e-06	-1.47e-05	0.0
256	52	-3.84e-03	-1.25e-03	-0.03	-6.90e-06	-1.13e-05	0.0
256	65	8.03e-04	4.09e-03	-0.03	-1.17e-05	-1.34e-05	0.0
256	70	-3.53e-04	2.06e-04	-0.03	-1.02e-05	-1.60e-05	0.0
256	72	-3.00e-04	1.77e-04	-0.03	-8.77e-06	-1.36e-05	0.0
257	2	-5.34e-04	1.19e-03	-0.05	-5.88e-05	-2.45e-05	0.0
257	17	1.93e-03	1.63e-03	-0.04	-3.78e-05	-1.61e-05	0.0
257	20	-2.58e-03	-1.72e-04	-0.04	-3.46e-05	-1.37e-05	0.0
257	33	4.18e-04	3.22e-03	-0.04	-3.92e-05	-1.50e-05	0.0
257	49	3.26e-03	2.16e-03	-0.04	-3.87e-05	-1.68e-05	0.0
257	52	-3.92e-03	-7.04e-04	-0.04	-3.36e-05	-1.30e-05	0.0
257	65	8.56e-04	4.69e-03	-0.04	-4.09e-05	-1.51e-05	0.0
257	70	-3.99e-04	8.88e-04	-0.04	-4.39e-05	-1.83e-05	0.0
257	72	-3.40e-04	7.62e-04	-0.04	-3.77e-05	-1.56e-05	0.0
258	2	-6.78e-04	2.07e-03	-0.05	-1.03e-04	-3.18e-05	0.0
258	20	-2.69e-03	3.52e-04	-0.04	-6.04e-05	-1.79e-05	0.0
258	33	3.84e-04	3.80e-03	-0.04	-6.81e-05	-1.95e-05	0.0
258	52	-4.04e-03	-1.90e-04	-0.04	-5.88e-05	-1.71e-05	0.0
258	65	8.55e-04	5.29e-03	-0.04	-7.11e-05	-1.96e-05	0.0
258	70	-5.07e-04	1.55e-03	-0.04	-7.66e-05	-2.38e-05	0.0
258	72	-4.33e-04	1.33e-03	-0.04	-6.57e-05	-2.03e-05	0.0
259	2	-9.13e-04	2.89e-03	-0.06	-1.43e-04	-4.38e-05	0.0
259	20	-2.86e-03	8.28e-04	-0.04	-8.39e-05	-2.48e-05	0.0
259	33	2.88e-04	4.36e-03	-0.04	-9.60e-05	-2.72e-05	0.0
259	52	-4.21e-03	2.71e-04	-0.04	-8.16e-05	-2.36e-05	0.0
259	65	7.87e-04	5.89e-03	-0.04	-1.01e-04	-2.74e-05	0.0
259	70	-6.83e-04	2.16e-03	-0.04	-1.07e-04	-3.28e-05	0.0
259	72	-5.84e-04	1.85e-03	-0.04	-9.16e-05	-2.80e-05	0.0
260	2	-1.25e-03	3.58e-03	-0.07	-1.77e-04	-6.11e-05	0.0
260	20	-3.07e-03	1.22e-03	-0.05	-1.03e-04	-3.43e-05	0.0
260	33	1.21e-04	4.85e-03	-0.05	-1.20e-04	-3.93e-05	0.0
260	52	-4.43e-03	6.51e-04	-0.05	-1.00e-04	-3.25e-05	0.0
260	65	6.42e-04	6.42e-03	-0.05	-1.27e-04	-4.05e-05	0.0
260	70	-9.31e-04	2.67e-03	-0.05	-1.32e-04	-4.57e-05	0.0
260	72	-7.96e-04	2.29e-03	-0.05	-1.13e-04	-3.90e-05	0.0
261	2	-1.66e-03	4.06e-03	-0.08	-2.01e-04	-8.30e-05	0.0
261	15	-3.33e-03	2.80e-03	-0.05	-1.24e-04	-4.78e-05	0.0
261	33	-1.11e-04	5.21e-03	-0.05	-1.38e-04	-5.49e-05	0.0
261	47	-4.69e-03	2.99e-03	-0.05	-1.24e-04	-4.60e-05	0.0
261	65	4.24e-04	6.83e-03	-0.06	-1.47e-04	-5.74e-05	0.0
261	70	-1.24e-03	3.03e-03	-0.06	-1.50e-04	-6.20e-05	0.0
261	72	-1.06e-03	2.59e-03	-0.05	-1.29e-04	-5.29e-05	0.0
262	2	-2.13e-03	4.29e-03	-0.09	-2.12e-04	-1.07e-04	0.0
262	15	-3.62e-03	2.94e-03	-0.06	-1.30e-04	-6.22e-05	0.0
262	33	-3.83e-04	5.39e-03	-0.06	-1.47e-04	-7.32e-05	0.0
262	47	-4.99e-03	3.13e-03	-0.06	-1.31e-04	-6.02e-05	0.0
262	65	1.59e-04	7.03e-03	-0.06	-1.57e-04	-7.77e-05	0.0
262	70	-1.59e-03	3.20e-03	-0.06	-1.58e-04	-8.03e-05	0.0
262	72	-1.36e-03	2.73e-03	-0.06	-1.35e-04	-6.84e-05	0.0
263	2	-1.52e-03	-3.85e-03	-0.08	1.91e-04	-7.66e-05	0.0
263	8	-3.21e-03	-2.70e-03	-0.06	1.18e-04	-4.16e-05	0.0
263	30	0.0	-5.02e-03	-0.06	1.32e-04	-5.30e-05	0.0
263	40	-4.55e-03	-2.90e-03	-0.06	1.19e-04	-3.88e-05	0.0
263	62	5.45e-04	-6.60e-03	-0.06	1.40e-04	-5.68e-05	0.0
263	70	-1.13e-03	-2.87e-03	-0.06	1.43e-04	-5.72e-05	0.0



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263	72	-9.65e-04	-2.46e-03	-0.06	1.22e-04	-4.86e-05	0.0
264	2	-1.34e-03	-3.76e-03	-0.08	1.87e-04	-6.69e-05	0.0
264	11	-3.10e-03	-1.35e-03	-0.05	1.09e-04	-3.46e-05	0.0
264	30	1.00e-04	-4.96e-03	-0.05	1.28e-04	-4.56e-05	0.0
264	43	-4.44e-03	-7.88e-04	-0.05	1.06e-04	-3.11e-05	0.0
264	62	6.38e-04	-6.52e-03	-0.06	1.36e-04	-4.85e-05	0.0
264	70	-9.98e-04	-2.81e-03	-0.06	1.40e-04	-5.00e-05	0.0
264	72	-8.49e-04	-2.40e-03	-0.05	1.20e-04	-4.25e-05	0.0
265	2	-1.04e-03	-3.43e-03	-0.07	1.71e-04	-5.15e-05	0.0
265	11	-2.92e-03	-1.16e-03	-0.05	1.00e-04	-2.67e-05	0.0
265	30	2.51e-04	-4.71e-03	-0.05	1.16e-04	-3.42e-05	0.0
265	43	-4.27e-03	-6.09e-04	-0.05	9.75e-05	-2.41e-05	0.0
265	62	7.74e-04	-6.25e-03	-0.05	1.23e-04	-3.60e-05	0.0
265	70	-7.80e-04	-2.56e-03	-0.05	1.27e-04	-3.84e-05	0.0
265	72	-6.64e-04	-2.19e-03	-0.05	1.09e-04	-3.27e-05	0.0
266	2	-7.95e-04	-2.89e-03	-0.06	1.44e-04	-3.85e-05	0.0
266	11	-2.76e-03	-8.51e-04	-0.04	8.46e-05	-2.00e-05	0.0
266	30	3.68e-04	-4.33e-03	-0.04	9.67e-05	-2.50e-05	0.0
266	43	-4.11e-03	-3.09e-04	-0.04	8.25e-05	-1.81e-05	0.0
266	62	8.70e-04	-5.83e-03	-0.04	1.02e-04	-2.59e-05	0.0
266	70	-5.94e-04	-2.15e-03	-0.04	1.07e-04	-2.87e-05	0.0
266	72	-5.06e-04	-1.85e-03	-0.04	9.20e-05	-2.44e-05	0.0
267	2	-6.04e-04	-2.20e-03	-0.05	1.09e-04	-2.86e-05	0.0
267	11	-2.64e-03	-4.49e-04	-0.04	6.47e-05	-1.50e-05	0.0
267	30	4.41e-04	-3.85e-03	-0.04	7.29e-05	-1.79e-05	0.0
267	43	-3.97e-03	8.14e-05	-0.04	6.32e-05	-1.36e-05	0.0
267	62	9.18e-04	-5.33e-03	-0.04	7.63e-05	-1.82e-05	0.0
267	70	-4.51e-04	-1.64e-03	-0.04	8.16e-05	-2.13e-05	0.0
267	72	-3.84e-04	-1.41e-03	-0.04	7.01e-05	-1.81e-05	0.0
268	2	-4.76e-04	-1.42e-03	-0.05	7.06e-05	-2.20e-05	0.0
268	11	-2.54e-03	1.23e-05	-0.04	4.17e-05	-1.14e-05	0.0
268	30	4.70e-04	-3.33e-03	-0.04	4.70e-05	-1.37e-05	0.0
268	43	-3.87e-03	5.33e-04	-0.04	4.08e-05	-1.03e-05	0.0
268	62	9.17e-04	-4.78e-03	-0.04	4.91e-05	-1.40e-05	0.0
268	70	-3.55e-04	-1.06e-03	-0.04	5.27e-05	-1.64e-05	0.0
268	72	-3.02e-04	-9.09e-04	-0.04	4.52e-05	-1.39e-05	0.0
269	2	-4.07e-04	-5.92e-04	-0.04	2.94e-05	-1.85e-05	0.0
269	10	1.99e-03	-1.24e-03	-0.03	1.91e-05	-1.27e-05	0.0
269	11	-2.48e-03	5.10e-04	-0.03	1.71e-05	-9.59e-06	0.0
269	30	4.57e-04	-2.80e-03	-0.03	2.04e-05	-1.15e-05	0.0
269	42	3.30e-03	-1.75e-03	-0.03	1.97e-05	-1.36e-05	0.0
269	43	-3.80e-03	1.02e-03	-0.03	1.65e-05	-8.68e-06	0.0
269	62	8.72e-04	-4.23e-03	-0.03	2.18e-05	-1.18e-05	0.0
269	70	-3.04e-04	-4.42e-04	-0.03	2.19e-05	-1.38e-05	0.0
269	72	-2.58e-04	-3.79e-04	-0.03	1.88e-05	-1.17e-05	0.0
270	2	-3.96e-04	2.54e-04	-0.04	-1.27e-05	-1.79e-05	0.0
270	17	1.99e-03	1.02e-03	-0.03	-8.65e-06	-1.23e-05	0.0
270	20	-2.47e-03	-7.12e-04	-0.03	-6.92e-06	-9.29e-06	0.0
270	31	-8.87e-04	2.59e-03	-0.03	-9.81e-06	-1.03e-05	0.0
270	49	3.30e-03	1.54e-03	-0.03	-9.16e-06	-1.32e-05	0.0
270	52	-3.78e-03	-1.22e-03	-0.03	-6.41e-06	-8.40e-06	0.0
270	63	-1.27e-03	4.02e-03	-0.03	-1.10e-05	-1.00e-05	0.0
270	70	-2.96e-04	1.90e-04	-0.03	-9.45e-06	-1.34e-05	0.0
270	72	-2.51e-04	1.63e-04	-0.03	-8.12e-06	-1.13e-05	0.0
271	2	-4.42e-04	1.09e-03	-0.05	-5.43e-05	-2.02e-05	0.0
271	17	1.98e-03	1.55e-03	-0.04	-3.48e-05	-1.39e-05	0.0
271	20	-2.52e-03	-2.06e-04	-0.03	-3.20e-05	-1.05e-05	0.0
271	33	4.71e-04	3.12e-03	-0.04	-3.64e-05	-1.26e-05	0.0
271	49	3.31e-03	2.06e-03	-0.04	-3.56e-05	-1.49e-05	0.0
271	52	-3.84e-03	-7.22e-04	-0.03	-3.12e-05	-9.47e-06	0.0
271	65	9.06e-04	4.56e-03	-0.04	-3.82e-05	-1.28e-05	0.0
271	70	-3.31e-04	8.16e-04	-0.04	-4.05e-05	-1.51e-05	0.0
271	72	-2.81e-04	7.00e-04	-0.04	-3.48e-05	-1.28e-05	0.0
272	2	-5.47e-04	1.89e-03	-0.05	-9.42e-05	-2.56e-05	0.0
272	20	-2.60e-03	2.73e-04	-0.04	-5.58e-05	-1.33e-05	0.0
272	33	4.58e-04	3.65e-03	-0.04	-6.27e-05	-1.60e-05	0.0
272	52	-3.93e-03	-2.53e-04	-0.04	-5.45e-05	-1.20e-05	0.0
272	65	9.25e-04	5.11e-03	-0.04	-6.55e-05	-1.64e-05	0.0
272	70	-4.09e-04	1.41e-03	-0.04	-7.03e-05	-1.91e-05	0.0
272	72	-3.48e-04	1.21e-03	-0.04	-6.04e-05	-1.62e-05	0.0
273	2	-7.15e-04	2.62e-03	-0.06	-1.30e-04	-3.41e-05	0.0
273	20	-2.71e-03	7.00e-04	-0.04	-7.70e-05	-1.78e-05	0.0
273	33	4.02e-04	4.14e-03	-0.04	-8.75e-05	-2.20e-05	0.0
273	52	-4.06e-03	1.65e-04	-0.04	-7.52e-05	-1.60e-05	0.0
273	65	8.96e-04	5.64e-03	-0.04	-9.18e-05	-2.27e-05	0.0
273	70	-5.34e-04	1.96e-03	-0.04	-9.74e-05	-2.55e-05	0.0



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273	72	-4.55e-04	1.68e-03	-0.04	-8.36e-05	-2.17e-05	0.0
274	2	-9.43e-04	3.22e-03	-0.06	-1.61e-04	-4.60e-05	0.0
274	20	-2.86e-03	1.05e-03	-0.04	-9.44e-05	-2.39e-05	0.0
274	33	3.01e-04	4.56e-03	-0.05	-1.09e-04	-3.03e-05	0.0
274	52	-4.21e-03	5.03e-04	-0.04	-9.20e-05	-2.16e-05	0.0
274	65	8.17e-04	6.09e-03	-0.05	-1.15e-04	-3.17e-05	0.0
274	70	-7.05e-04	2.41e-03	-0.05	-1.20e-04	-3.43e-05	0.0
274	72	-6.00e-04	2.06e-03	-0.05	-1.03e-04	-2.92e-05	0.0
275	2	-1.22e-03	3.65e-03	-0.07	-1.81e-04	-6.05e-05	0.0
275	20	-3.03e-03	1.29e-03	-0.05	-1.06e-04	-3.14e-05	0.0
275	33	1.61e-04	4.87e-03	-0.05	-1.24e-04	-4.08e-05	0.0
275	52	-4.38e-03	7.33e-04	-0.05	-1.03e-04	-2.83e-05	0.0
275	65	6.94e-04	6.43e-03	-0.05	-1.32e-04	-4.33e-05	0.0
275	70	-9.13e-04	2.72e-03	-0.05	-1.35e-04	-4.52e-05	0.0
275	72	-7.77e-04	2.33e-03	-0.05	-1.16e-04	-3.84e-05	0.0
276	2	-1.53e-03	3.83e-03	-0.08	-1.91e-04	-7.66e-05	0.0
276	15	-3.21e-03	2.69e-03	-0.06	-1.18e-04	-4.17e-05	0.0
276	33	-3.89e-06	5.01e-03	-0.06	-1.31e-04	-5.30e-05	0.0
276	47	-4.56e-03	2.89e-03	-0.06	-1.19e-04	-3.89e-05	0.0
276	65	5.41e-04	6.59e-03	-0.06	-1.40e-04	-5.68e-05	0.0
276	70	-1.14e-03	2.86e-03	-0.06	-1.42e-04	-5.72e-05	0.0
276	72	-9.71e-04	2.44e-03	-0.06	-1.22e-04	-4.86e-05	0.0
277	2	-7.52e-04	-3.58e-03	-0.08	1.79e-04	-3.75e-05	0.0
277	11	-2.72e-03	-1.29e-03	-0.05	1.06e-04	-1.54e-05	0.0
277	30	4.93e-04	-4.79e-03	-0.06	1.22e-04	-2.72e-05	0.0
277	34	4.71e-04	-4.70e-03	-0.06	1.22e-04	-2.67e-05	0.0
277	43	-4.07e-03	-7.49e-04	-0.05	1.03e-04	-1.12e-05	0.0
277	62	1.05e-03	-6.32e-03	-0.06	1.30e-04	-3.01e-05	0.0
277	66	1.01e-03	-6.18e-03	-0.06	1.30e-04	-2.92e-05	0.0
277	70	-5.61e-04	-2.67e-03	-0.06	1.34e-04	-2.80e-05	0.0
277	72	-4.72e-04	-2.29e-03	-0.06	1.15e-04	-2.35e-05	0.0
278	2	-6.72e-04	-3.51e-03	-0.07	1.75e-04	-3.32e-05	0.0
278	11	-2.68e-03	-1.25e-03	-0.05	1.04e-04	-1.37e-05	0.0
278	30	5.23e-04	-4.73e-03	-0.05	1.20e-04	-2.37e-05	0.0
278	43	-4.02e-03	-7.12e-04	-0.05	1.02e-04	-1.01e-05	0.0
278	62	1.07e-03	-6.26e-03	-0.05	1.27e-04	-2.60e-05	0.0
278	70	-5.01e-04	-2.62e-03	-0.06	1.31e-04	-2.48e-05	0.0
278	72	-4.21e-04	-2.25e-03	-0.05	1.12e-04	-2.08e-05	0.0
279	2	-5.43e-04	-3.21e-03	-0.06	1.60e-04	-2.64e-05	0.0
279	11	-2.60e-03	-1.07e-03	-0.05	9.50e-05	-1.09e-05	0.0
279	30	5.65e-04	-4.51e-03	-0.05	1.08e-04	-1.84e-05	0.0
279	43	-3.94e-03	-5.43e-04	-0.05	9.31e-05	-8.07e-06	0.0
279	62	1.09e-03	-6.01e-03	-0.05	1.14e-04	-2.00e-05	0.0
279	70	-4.05e-04	-2.39e-03	-0.05	1.20e-04	-1.97e-05	0.0
279	72	-3.41e-04	-2.05e-03	-0.05	1.03e-04	-1.65e-05	0.0
280	2	-4.33e-04	-2.71e-03	-0.06	1.35e-04	-2.06e-05	0.0
280	11	-2.53e-03	-7.80e-04	-0.04	8.05e-05	-8.52e-06	0.0
280	30	5.91e-04	-4.16e-03	-0.04	9.07e-05	-1.39e-05	0.0
280	43	-3.87e-03	-2.61e-04	-0.04	7.90e-05	-6.35e-06	0.0
280	62	1.09e-03	-5.63e-03	-0.04	9.52e-05	-1.50e-05	0.0
280	70	-3.23e-04	-2.02e-03	-0.04	1.01e-04	-1.53e-05	0.0
280	72	-2.71e-04	-1.73e-03	-0.04	8.66e-05	-1.28e-05	0.0
281	2	-3.46e-04	-2.07e-03	-0.05	1.03e-04	-1.60e-05	0.0
281	11	-2.47e-03	-4.04e-04	-0.04	6.17e-05	-6.69e-06	0.0
281	30	5.98e-04	-3.72e-03	-0.04	6.88e-05	-1.06e-05	0.0
281	43	-3.80e-03	1.08e-04	-0.04	6.06e-05	-5.04e-06	0.0
281	62	1.07e-03	-5.17e-03	-0.04	7.19e-05	-1.12e-05	0.0
281	70	-2.58e-04	-1.54e-03	-0.04	7.71e-05	-1.19e-05	0.0
281	72	-2.17e-04	-1.33e-03	-0.04	6.62e-05	-9.97e-06	0.0
282	2	-2.87e-04	-1.34e-03	-0.05	6.68e-05	-1.29e-05	0.0
282	11	-2.42e-03	3.26e-05	-0.04	3.99e-05	-5.51e-06	0.0
282	30	5.84e-04	-3.24e-03	-0.04	4.45e-05	-8.16e-06	0.0
282	43	-3.74e-03	5.37e-04	-0.04	3.92e-05	-4.27e-06	0.0
282	62	1.03e-03	-4.66e-03	-0.04	4.65e-05	-8.48e-06	0.0
282	70	-2.14e-04	-1.00e-03	-0.04	4.99e-05	-9.61e-06	0.0
282	72	-1.79e-04	-8.58e-04	-0.04	4.29e-05	-8.01e-06	0.0
283	2	-2.54e-04	-5.59e-04	-0.04	2.79e-05	-1.12e-05	0.0
283	11	-2.38e-03	5.05e-04	-0.03	1.64e-05	-4.84e-06	0.0
283	30	5.51e-04	-2.74e-03	-0.03	1.95e-05	-7.11e-06	0.0
283	43	-3.70e-03	1.01e-03	-0.03	1.59e-05	-3.80e-06	0.0
283	62	9.64e-04	-4.15e-03	-0.03	2.08e-05	-7.40e-06	0.0
283	70	-1.90e-04	-4.17e-04	-0.03	2.08e-05	-8.36e-06	0.0
283	72	-1.59e-04	-3.58e-04	-0.03	1.79e-05	-6.95e-06	0.0
284	2	-2.50e-04	2.41e-04	-0.04	-1.20e-05	-1.09e-05	0.0
284	17	2.08e-03	9.94e-04	-0.03	-8.11e-06	-8.12e-06	0.0
284	20	-2.37e-03	-6.97e-04	-0.03	-6.68e-06	-4.74e-06	0.0



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284	31	-7.95e-04	2.54e-03	-0.03	-9.49e-06	-5.93e-06	0.0
284	49	3.39e-03	1.49e-03	-0.03	-8.53e-06	-9.12e-06	0.0
284	52	-3.68e-03	-1.19e-03	-0.03	-6.26e-06	-3.74e-06	0.0
284	63	-1.18e-03	3.95e-03	-0.03	-1.07e-05	-5.64e-06	0.0
284	70	-1.86e-04	1.80e-04	-0.03	-8.97e-06	-8.15e-06	0.0
284	72	-1.56e-04	1.55e-04	-0.03	-7.71e-06	-6.78e-06	0.0
285	2	-2.72e-04	1.03e-03	-0.05	-5.15e-05	-1.21e-05	0.0
285	20	-2.41e-03	-2.15e-04	-0.03	-3.07e-05	-5.14e-06	0.0
285	33	5.74e-04	3.04e-03	-0.03	-3.45e-05	-7.64e-06	0.0
285	52	-3.73e-03	-7.17e-04	-0.03	-3.01e-05	-3.99e-06	0.0
285	65	1.01e-03	4.46e-03	-0.03	-3.62e-05	-7.96e-06	0.0
285	70	-2.03e-04	7.71e-04	-0.03	-3.84e-05	-8.99e-06	0.0
285	72	-1.70e-04	6.62e-04	-0.03	-3.30e-05	-7.48e-06	0.0
286	2	-3.22e-04	1.79e-03	-0.05	-8.91e-05	-1.46e-05	0.0
286	20	-2.45e-03	2.37e-04	-0.04	-5.33e-05	-6.21e-06	0.0
286	33	5.95e-04	3.53e-03	-0.04	-5.92e-05	-9.19e-06	0.0
286	52	-3.78e-03	-2.70e-04	-0.04	-5.24e-05	-4.79e-06	0.0
286	65	1.06e-03	4.97e-03	-0.04	-6.18e-05	-9.52e-06	0.0
286	70	-2.40e-04	1.33e-03	-0.04	-6.65e-05	-1.09e-05	0.0
286	72	-2.01e-04	1.14e-03	-0.04	-5.71e-05	-9.08e-06	0.0
287	2	-3.99e-04	2.46e-03	-0.05	-1.23e-04	-1.86e-05	0.0
287	20	-2.51e-03	6.40e-04	-0.04	-7.33e-05	-7.71e-06	0.0
287	33	5.95e-04	3.99e-03	-0.04	-8.22e-05	-1.25e-05	0.0
287	52	-3.85e-03	1.25e-04	-0.04	-7.20e-05	-5.76e-06	0.0
287	65	1.09e-03	5.45e-03	-0.04	-8.61e-05	-1.33e-05	0.0
287	70	-2.98e-04	1.84e-03	-0.04	-9.18e-05	-1.39e-05	0.0
287	72	-2.50e-04	1.58e-03	-0.04	-7.88e-05	-1.16e-05	0.0
288	2	-5.02e-04	3.02e-03	-0.06	-1.51e-04	-2.39e-05	0.0
288	20	-2.58e-03	9.67e-04	-0.04	-8.97e-05	-9.91e-06	0.0
288	33	5.75e-04	4.38e-03	-0.05	-1.02e-04	-1.65e-05	0.0
288	52	-3.92e-03	4.44e-04	-0.04	-8.79e-05	-7.35e-06	0.0
288	65	1.09e-03	5.87e-03	-0.05	-1.07e-04	-1.78e-05	0.0
288	70	-3.74e-04	2.26e-03	-0.05	-1.13e-04	-1.79e-05	0.0
288	72	-3.15e-04	1.93e-03	-0.04	-9.66e-05	-1.50e-05	0.0
289	2	-6.26e-04	3.41e-03	-0.07	-1.70e-04	-3.04e-05	0.0
289	20	-2.65e-03	1.19e-03	-0.05	-1.01e-04	-1.26e-05	0.0
289	33	5.38e-04	4.66e-03	-0.05	-1.16e-04	-2.15e-05	0.0
289	52	-4.00e-03	6.59e-04	-0.05	-9.87e-05	-9.34e-06	0.0
289	65	1.08e-03	6.17e-03	-0.05	-1.22e-04	-2.35e-05	0.0
289	70	-4.67e-04	2.54e-03	-0.05	-1.27e-04	-2.27e-05	0.0
289	72	-3.93e-04	2.18e-03	-0.05	-1.09e-04	-1.90e-05	0.0
290	2	-7.61e-04	3.57e-03	-0.08	-1.78e-04	-3.75e-05	0.0
290	20	-2.73e-03	1.28e-03	-0.05	-1.05e-04	-1.54e-05	0.0
290	29	4.65e-04	4.69e-03	-0.06	-1.22e-04	-2.66e-05	0.0
290	33	4.89e-04	4.78e-03	-0.06	-1.22e-04	-2.72e-05	0.0
290	52	-4.07e-03	7.44e-04	-0.05	-1.03e-04	-1.14e-05	0.0
290	61	1.01e-03	6.17e-03	-0.06	-1.29e-04	-2.92e-05	0.0
290	65	1.05e-03	6.31e-03	-0.06	-1.29e-04	-3.00e-05	0.0
290	70	-5.68e-04	2.66e-03	-0.06	-1.33e-04	-2.80e-05	0.0
290	72	-4.77e-04	2.28e-03	-0.06	-1.14e-04	-2.35e-05	0.0
291	1	7.70e-05	-2.82e-03	-0.07	1.41e-04	4.60e-06	0.0
291	2	7.12e-05	-3.53e-03	-0.08	1.76e-04	4.42e-06	0.0
291	10	2.34e-03	-3.03e-03	-0.05	1.11e-04	-1.99e-06	0.0
291	32	-2.85e-04	-4.63e-03	-0.06	1.20e-04	6.99e-06	0.0
291	36	-2.64e-04	-4.71e-03	-0.06	1.20e-04	6.47e-06	0.0
291	42	3.69e-03	-3.55e-03	-0.05	1.13e-04	-5.25e-06	0.0
291	64	-4.88e-04	-6.09e-03	-0.06	1.28e-04	9.03e-06	0.0
291	68	-4.54e-04	-6.21e-03	-0.06	1.27e-04	8.19e-06	0.0
291	69	5.91e-05	-2.16e-03	-0.05	1.08e-04	3.54e-06	0.0
291	70	5.52e-05	-2.63e-03	-0.06	1.32e-04	3.41e-06	0.0
291	71	5.91e-05	-2.16e-03	-0.05	1.08e-04	3.54e-06	0.0
291	72	5.83e-05	-2.26e-03	-0.05	1.13e-04	3.51e-06	0.0
292	1	5.68e-05	-2.77e-03	-0.07	1.38e-04	3.56e-06	0.0
292	2	4.78e-05	-3.46e-03	-0.07	1.73e-04	3.21e-06	0.0
292	10	2.33e-03	-2.99e-03	-0.05	1.09e-04	-2.18e-06	0.0
292	32	-3.32e-04	-4.58e-03	-0.05	1.18e-04	5.69e-06	0.0
292	36	-3.12e-04	-4.65e-03	-0.05	1.18e-04	5.23e-06	0.0
292	42	3.67e-03	-3.50e-03	-0.05	1.10e-04	-5.08e-06	0.0
292	64	-5.53e-04	-6.03e-03	-0.05	1.25e-04	7.44e-06	0.0
292	68	-5.22e-04	-6.15e-03	-0.05	1.24e-04	6.70e-06	0.0
292	69	4.35e-05	-2.12e-03	-0.05	1.06e-04	2.73e-06	0.0
292	70	3.75e-05	-2.58e-03	-0.05	1.29e-04	2.50e-06	0.0
292	71	4.35e-05	-2.12e-03	-0.05	1.06e-04	2.73e-06	0.0
292	72	4.23e-05	-2.21e-03	-0.05	1.11e-04	2.69e-06	0.0
293	1	2.38e-05	-2.53e-03	-0.06	1.27e-04	1.91e-06	0.0
293	2	9.77e-06	-3.16e-03	-0.06	1.58e-04	1.31e-06	0.0



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293	10	2.30e-03	-2.80e-03	-0.05	9.91e-05	-2.56e-06	0.0
293	32	-4.09e-04	-4.36e-03	-0.05	1.07e-04	3.72e-06	0.0
293	36	-3.92e-04	-4.44e-03	-0.05	1.07e-04	3.36e-06	0.0
293	42	3.64e-03	-3.30e-03	-0.05	1.00e-04	-4.93e-06	0.0
293	64	-6.61e-04	-5.79e-03	-0.05	1.12e-04	5.05e-06	0.0
293	68	-6.35e-04	-5.91e-03	-0.05	1.12e-04	4.47e-06	0.0
293	69	1.82e-05	-1.94e-03	-0.05	9.70e-05	1.47e-06	0.0
293	70	8.80e-06	-2.36e-03	-0.05	1.18e-04	1.06e-06	0.0
293	71	1.82e-05	-1.94e-03	-0.05	9.70e-05	1.47e-06	0.0
293	72	1.63e-05	-2.02e-03	-0.05	1.01e-04	1.38e-06	0.0
294	2	-2.23e-05	-2.67e-03	-0.06	1.33e-04	0.0	0.0
294	11	-2.28e-03	-7.92e-04	-0.04	8.04e-05	4.00e-06	0.0
294	32	-4.82e-04	-4.01e-03	-0.04	8.94e-05	0.0	0.0
294	36	-4.69e-04	-4.09e-03	-0.04	8.93e-05	0.0	0.0
294	43	-3.62e-03	-2.93e-04	-0.04	7.95e-05	6.11e-06	0.0
294	64	-7.65e-04	-5.42e-03	-0.04	9.38e-05	1.02e-06	0.0
294	68	-7.43e-04	-5.54e-03	-0.04	9.37e-05	0.0	0.0
294	70	-1.55e-05	-1.99e-03	-0.04	9.95e-05	0.0	0.0
294	72	-5.87e-06	-1.71e-03	-0.04	8.54e-05	0.0	0.0
295	2	-4.59e-05	-2.04e-03	-0.05	1.02e-04	-1.35e-06	0.0
295	11	-2.28e-03	-4.17e-04	-0.04	6.16e-05	2.39e-06	0.0
295	32	-5.49e-04	-3.58e-03	-0.04	6.78e-05	0.0	0.0
295	36	-5.40e-04	-3.66e-03	-0.04	6.78e-05	0.0	0.0
295	43	-3.62e-03	7.52e-05	-0.04	6.10e-05	4.01e-06	0.0
295	64	-8.62e-04	-4.96e-03	-0.04	7.09e-05	0.0	0.0
295	68	-8.46e-04	-5.08e-03	-0.04	7.08e-05	0.0	0.0
295	70	-3.33e-05	-1.52e-03	-0.04	7.60e-05	0.0	0.0
295	72	-2.23e-05	-1.31e-03	-0.04	6.53e-05	0.0	0.0
296	2	-6.08e-05	-1.32e-03	-0.05	6.59e-05	-2.02e-06	0.0
296	11	-2.28e-03	1.62e-05	-0.03	3.99e-05	1.29e-06	0.0
296	32	-6.11e-04	-3.11e-03	-0.04	4.39e-05	0.0	0.0
296	36	-6.04e-04	-3.19e-03	-0.04	4.39e-05	0.0	0.0
296	43	-3.61e-03	5.04e-04	-0.03	3.95e-05	2.53e-06	0.0
296	64	-9.53e-04	-4.46e-03	-0.04	4.59e-05	0.0	0.0
296	68	-9.43e-04	-4.59e-03	-0.04	4.58e-05	0.0	0.0
296	70	-4.46e-05	-9.84e-04	-0.04	4.92e-05	-1.46e-06	0.0
296	72	-3.29e-05	-8.46e-04	-0.04	4.23e-05	0.0	0.0
297	2	-6.84e-05	-5.50e-04	-0.04	2.75e-05	-2.34e-06	0.0
297	11	-2.27e-03	4.85e-04	-0.03	1.64e-05	0.0	0.0
297	32	-6.66e-04	-2.61e-03	-0.03	1.92e-05	0.0	0.0
297	36	-6.64e-04	-2.69e-03	-0.03	1.92e-05	0.0	0.0
297	43	-3.58e-03	9.71e-04	-0.03	1.61e-05	1.66e-06	0.0
297	64	-1.04e-03	-3.96e-03	-0.03	2.06e-05	0.0	0.0
297	68	-1.03e-03	-4.08e-03	-0.03	2.05e-05	0.0	0.0
297	70	-5.04e-05	-4.10e-04	-0.03	2.05e-05	-1.70e-06	0.0
297	72	-3.84e-05	-3.53e-04	-0.03	1.76e-05	-1.18e-06	0.0
298	1	-4.75e-05	1.92e-04	-0.04	-9.52e-06	-1.42e-06	0.0
298	2	-7.02e-05	2.38e-04	-0.04	-1.18e-05	-2.39e-06	0.0
298	20	-2.26e-03	-6.75e-04	-0.03	-6.80e-06	0.0	0.0
298	31	-6.85e-04	2.50e-03	-0.03	-9.40e-06	0.0	0.0
298	35	-6.87e-04	2.42e-03	-0.03	-9.42e-06	0.0	0.0
298	52	-3.58e-03	-1.16e-03	-0.03	-6.51e-06	1.49e-06	0.0
298	63	-1.07e-03	3.88e-03	-0.03	-1.06e-05	0.0	0.0
298	67	-1.07e-03	3.76e-03	-0.03	-1.07e-05	0.0	0.0
298	69	-3.66e-05	1.47e-04	-0.03	-7.30e-06	-1.09e-06	0.0
298	70	-5.18e-05	1.78e-04	-0.03	-8.84e-06	-1.74e-06	0.0
298	71	-3.66e-05	1.47e-04	-0.03	-7.30e-06	-1.09e-06	0.0
298	72	-3.97e-05	1.53e-04	-0.03	-7.61e-06	-1.22e-06	0.0
299	2	-6.64e-05	1.02e-03	-0.04	-5.07e-05	-2.18e-06	0.0
299	20	-2.28e-03	-1.97e-04	-0.03	-3.07e-05	1.00e-06	0.0
299	31	-6.28e-04	2.99e-03	-0.03	-3.40e-05	0.0	0.0
299	35	-6.34e-04	2.91e-03	-0.03	-3.41e-05	0.0	0.0
299	52	-3.60e-03	-6.83e-04	-0.03	-3.04e-05	2.15e-06	0.0
299	63	-9.78e-04	4.39e-03	-0.03	-3.57e-05	0.0	0.0
299	67	-9.88e-04	4.26e-03	-0.03	-3.58e-05	0.0	0.0
299	70	-4.89e-05	7.60e-04	-0.03	-3.79e-05	-1.58e-06	0.0
299	72	-3.68e-05	6.53e-04	-0.03	-3.26e-05	-1.07e-06	0.0
300	2	-5.60e-05	1.76e-03	-0.05	-8.78e-05	-1.66e-06	0.0
300	20	-2.29e-03	2.52e-04	-0.04	-5.32e-05	1.92e-06	0.0
300	31	-5.66e-04	3.48e-03	-0.04	-5.83e-05	0.0	0.0
300	35	-5.76e-04	3.40e-03	-0.04	-5.84e-05	0.0	0.0
300	52	-3.62e-03	-2.37e-04	-0.04	-5.27e-05	3.38e-06	0.0
300	63	-8.84e-04	4.89e-03	-0.04	-6.09e-05	0.0	0.0
300	67	-9.00e-04	4.77e-03	-0.04	-6.10e-05	0.0	0.0
300	70	-4.10e-05	1.31e-03	-0.04	-6.55e-05	-1.18e-06	0.0
300	72	-2.93e-05	1.13e-03	-0.04	-5.63e-05	0.0	0.0



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301	2	-3.74e-05	2.43e-03	-0.05	-1.21e-04	0.0	0.0
301	20	-2.29e-03	6.52e-04	-0.04	-7.32e-05	3.32e-06	0.0
301	31	-4.98e-04	3.93e-03	-0.04	-8.09e-05	0.0	0.0
301	35	-5.12e-04	3.85e-03	-0.04	-8.10e-05	0.0	0.0
301	52	-3.63e-03	1.57e-04	-0.04	-7.24e-05	5.23e-06	0.0
301	63	-7.84e-04	5.36e-03	-0.04	-8.47e-05	0.0	0.0
301	67	-8.06e-04	5.24e-03	-0.04	-8.49e-05	0.0	0.0
301	70	-2.68e-05	1.81e-03	-0.04	-9.05e-05	0.0	0.0
301	72	-1.61e-05	1.56e-03	-0.04	-7.77e-05	0.0	0.0
302	2	-9.73e-06	2.98e-03	-0.06	-1.49e-04	0.0	0.0
302	4	-1.17e-05	2.41e-03	-0.05	-1.20e-04	0.0	0.0
302	17	2.29e-03	2.68e-03	-0.04	-9.33e-05	-2.65e-06	0.0
302	31	-4.25e-04	4.31e-03	-0.04	-1.00e-04	2.69e-06	0.0
302	35	-4.42e-04	4.23e-03	-0.04	-1.00e-04	3.02e-06	0.0
302	49	3.63e-03	3.18e-03	-0.04	-9.44e-05	-4.82e-06	0.0
302	63	-6.78e-04	5.77e-03	-0.05	-1.05e-04	3.67e-06	0.0
302	67	-7.06e-04	5.65e-03	-0.05	-1.05e-04	4.19e-06	0.0
302	70	-5.90e-06	2.22e-03	-0.05	-1.11e-04	0.0	0.0
302	71	5.33e-06	1.83e-03	-0.04	-9.14e-05	1.03e-06	0.0
302	72	3.09e-06	1.91e-03	-0.04	-9.53e-05	0.0	0.0
303	1	3.76e-05	2.69e-03	-0.06	-1.34e-04	2.90e-06	0.0
303	2	2.52e-05	3.36e-03	-0.07	-1.68e-04	2.45e-06	0.0
303	17	2.31e-03	2.92e-03	-0.05	-1.05e-04	-2.28e-06	0.0
303	31	-3.47e-04	4.58e-03	-0.05	-1.14e-04	4.45e-06	0.0
303	35	-3.67e-04	4.50e-03	-0.05	-1.14e-04	4.87e-06	0.0
303	49	3.66e-03	3.43e-03	-0.05	-1.07e-04	-4.94e-06	0.0
303	63	-5.68e-04	6.07e-03	-0.05	-1.20e-04	5.76e-06	0.0
303	67	-6.00e-04	5.95e-03	-0.05	-1.20e-04	6.42e-06	0.0
303	69	2.88e-05	2.06e-03	-0.05	-1.03e-04	2.23e-06	0.0
303	70	2.05e-05	2.51e-03	-0.05	-1.25e-04	1.92e-06	0.0
303	71	2.88e-05	2.06e-03	-0.05	-1.03e-04	2.23e-06	0.0
303	72	2.71e-05	2.15e-03	-0.05	-1.07e-04	2.17e-06	0.0
304	1	7.07e-05	2.81e-03	-0.07	-1.41e-04	4.64e-06	0.0
304	2	6.34e-05	3.52e-03	-0.08	-1.75e-04	4.46e-06	0.0
304	17	2.34e-03	3.02e-03	-0.05	-1.10e-04	-1.87e-06	0.0
304	31	-2.66e-04	4.70e-03	-0.06	-1.20e-04	6.46e-06	0.0
304	35	-2.89e-04	4.62e-03	-0.06	-1.20e-04	6.98e-06	0.0
304	49	3.69e-03	3.54e-03	-0.05	-1.12e-04	-5.08e-06	0.0
304	63	-4.55e-04	6.20e-03	-0.06	-1.27e-04	8.17e-06	0.0
304	67	-4.91e-04	6.08e-03	-0.06	-1.27e-04	9.00e-06	0.0
304	69	5.42e-05	2.16e-03	-0.05	-1.08e-04	3.56e-06	0.0
304	70	4.94e-05	2.62e-03	-0.06	-1.31e-04	3.44e-06	0.0
304	71	5.42e-05	2.16e-03	-0.05	-1.08e-04	3.56e-06	0.0
304	72	5.32e-05	2.25e-03	-0.05	-1.12e-04	3.54e-06	0.0
305	2	8.57e-04	-3.68e-03	-0.08	1.83e-04	4.45e-05	0.0
305	10	2.85e-03	-3.09e-03	-0.06	1.14e-04	2.35e-05	0.0
305	32	2.26e-04	-4.71e-03	-0.06	1.26e-04	3.20e-05	0.0
305	36	2.47e-04	-4.78e-03	-0.06	1.25e-04	3.15e-05	0.0
305	42	4.21e-03	-3.59e-03	-0.06	1.15e-04	2.08e-05	0.0
305	64	3.78e-05	-6.15e-03	-0.06	1.33e-04	3.42e-05	0.0
305	68	7.16e-05	-6.26e-03	-0.06	1.33e-04	3.35e-05	0.0
305	70	6.43e-04	-2.74e-03	-0.06	1.37e-04	3.34e-05	0.0
305	72	5.64e-04	-2.35e-03	-0.06	1.17e-04	2.93e-05	0.0
306	2	7.32e-04	-3.60e-03	-0.07	1.79e-04	3.79e-05	0.0
306	10	2.77e-03	-3.05e-03	-0.05	1.12e-04	1.99e-05	0.0
306	32	1.07e-04	-4.65e-03	-0.05	1.23e-04	2.71e-05	0.0
306	36	1.27e-04	-4.72e-03	-0.05	1.22e-04	2.67e-05	0.0
306	42	4.13e-03	-3.54e-03	-0.05	1.13e-04	1.74e-05	0.0
306	64	-1.04e-04	-6.08e-03	-0.05	1.30e-04	2.89e-05	0.0
306	68	-7.27e-05	-6.19e-03	-0.05	1.29e-04	2.82e-05	0.0
306	70	5.50e-04	-2.69e-03	-0.06	1.34e-04	2.84e-05	0.0
306	72	4.83e-04	-2.30e-03	-0.05	1.15e-04	2.50e-05	0.0
307	2	5.31e-04	-3.28e-03	-0.06	1.64e-04	2.75e-05	0.0
307	10	2.64e-03	-2.84e-03	-0.05	1.02e-04	1.42e-05	0.0
307	32	-8.06e-05	-4.41e-03	-0.05	1.11e-04	1.97e-05	0.0
307	36	-6.35e-05	-4.48e-03	-0.05	1.11e-04	1.94e-05	0.0
307	42	3.99e-03	-3.33e-03	-0.05	1.03e-04	1.22e-05	0.0
307	64	-3.29e-04	-5.83e-03	-0.05	1.17e-04	2.10e-05	0.0
307	68	-3.02e-04	-5.94e-03	-0.05	1.17e-04	2.04e-05	0.0
307	70	3.99e-04	-2.45e-03	-0.05	1.22e-04	2.06e-05	0.0
307	72	3.53e-04	-2.10e-03	-0.05	1.05e-04	1.83e-05	0.0
308	2	3.62e-04	-2.76e-03	-0.06	1.38e-04	1.88e-05	0.0
308	10	2.52e-03	-2.51e-03	-0.04	8.56e-05	9.58e-06	0.0
308	32	-2.45e-04	-4.05e-03	-0.04	9.26e-05	1.37e-05	0.0
308	36	-2.31e-04	-4.12e-03	-0.04	9.24e-05	1.35e-05	0.0
308	42	3.87e-03	-3.00e-03	-0.04	8.60e-05	8.01e-06	0.0



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308	64	-5.28e-04	-5.43e-03	-0.04	9.72e-05	1.46e-05	0.0
308	68	-5.05e-04	-5.55e-03	-0.04	9.69e-05	1.43e-05	0.0
308	70	2.72e-04	-2.06e-03	-0.04	1.03e-04	1.41e-05	0.0
308	72	2.43e-04	-1.77e-03	-0.04	8.84e-05	1.26e-05	0.0
309	2	2.35e-04	-2.10e-03	-0.05	1.05e-04	1.24e-05	0.0
309	10	2.43e-03	-2.10e-03	-0.04	6.50e-05	5.91e-06	0.0
309	32	-3.79e-04	-3.60e-03	-0.04	7.00e-05	8.35e-06	0.0
309	36	-3.68e-04	-3.67e-03	-0.04	6.98e-05	8.20e-06	0.0
309	42	3.77e-03	-2.58e-03	-0.04	6.52e-05	4.56e-06	0.0
309	64	-6.93e-04	-4.96e-03	-0.04	7.31e-05	8.45e-06	0.0
309	68	-6.77e-04	-5.07e-03	-0.04	7.29e-05	8.21e-06	0.0
309	70	1.77e-04	-1.57e-03	-0.04	7.83e-05	9.34e-06	0.0
309	72	1.59e-04	-1.35e-03	-0.04	6.74e-05	8.42e-06	0.0
310	2	1.51e-04	-1.36e-03	-0.05	6.77e-05	8.22e-06	0.0
310	10	2.36e-03	-1.64e-03	-0.04	4.19e-05	3.82e-06	0.0
310	32	-4.82e-04	-3.10e-03	-0.04	4.52e-05	5.73e-06	0.0
310	36	-4.76e-04	-3.17e-03	-0.04	4.50e-05	5.64e-06	0.0
310	42	3.69e-03	-2.11e-03	-0.04	4.20e-05	4.20e-06	0.0
310	64	-8.27e-04	-4.44e-03	-0.04	4.72e-05	5.83e-06	0.0
310	68	-8.17e-04	-4.55e-03	-0.04	4.70e-05	5.69e-06	0.0
310	70	1.14e-04	-1.01e-03	-0.04	5.05e-05	6.22e-06	0.0
310	72	1.04e-04	-8.72e-04	-0.04	4.35e-05	5.69e-06	0.0
311	2	1.07e-04	-5.65e-04	-0.04	2.82e-05	6.08e-06	0.0
311	10	2.31e-03	-1.15e-03	-0.03	1.76e-05	2.81e-06	0.0
311	12	-2.14e-03	-9.14e-04	-0.03	1.84e-05	5.48e-06	0.0
311	36	-5.58e-04	-2.66e-03	-0.03	1.96e-05	4.42e-06	0.0
311	42	3.63e-03	-1.62e-03	-0.03	1.78e-05	2.00e-06	0.0
311	44	-3.45e-03	-1.25e-03	-0.03	1.91e-05	6.25e-06	0.0
311	68	-9.30e-04	-4.03e-03	-0.03	2.09e-05	4.56e-06	0.0
311	70	8.13e-05	-4.22e-04	-0.03	2.10e-05	4.60e-06	0.0
311	72	7.54e-05	-3.63e-04	-0.03	1.81e-05	4.27e-06	0.0
312	1	8.99e-05	1.98e-04	-0.04	-9.78e-06	5.16e-06	0.0
312	2	9.97e-05	2.46e-04	-0.04	-1.22e-05	5.73e-06	0.0
312	17	2.30e-03	9.51e-04	-0.03	-7.80e-06	2.67e-06	0.0
312	19	-2.16e-03	7.16e-04	-0.03	-8.38e-06	5.23e-06	0.0
312	31	-5.82e-04	2.46e-03	-0.03	-9.52e-06	4.28e-06	0.0
312	49	3.62e-03	1.42e-03	-0.03	-7.98e-06	1.90e-06	0.0
312	51	-3.47e-03	1.05e-03	-0.03	-8.91e-06	5.97e-06	0.0
312	63	-9.66e-04	3.82e-03	-0.03	-1.07e-05	4.46e-06	0.0
312	69	6.90e-05	1.52e-04	-0.03	-7.50e-06	3.96e-06	0.0
312	70	7.54e-05	1.83e-04	-0.03	-9.07e-06	4.34e-06	0.0
312	71	6.90e-05	1.52e-04	-0.03	-7.50e-06	3.96e-06	0.0
312	72	7.03e-05	1.58e-04	-0.03	-7.81e-06	4.04e-06	0.0
313	2	1.27e-04	1.05e-03	-0.04	-5.21e-05	7.15e-06	0.0
313	17	2.34e-03	1.44e-03	-0.03	-3.23e-05	3.28e-06	0.0
313	31	-5.11e-04	2.97e-03	-0.03	-3.49e-05	5.01e-06	0.0
313	35	-5.17e-04	2.90e-03	-0.03	-3.50e-05	5.08e-06	0.0
313	49	3.67e-03	1.92e-03	-0.03	-3.24e-05	2.35e-06	0.0
313	63	-8.63e-04	4.34e-03	-0.03	-3.65e-05	5.10e-06	0.0
313	67	-8.74e-04	4.23e-03	-0.03	-3.67e-05	5.21e-06	0.0
313	70	9.61e-05	7.83e-04	-0.03	-3.89e-05	5.41e-06	0.0
313	72	8.84e-05	6.74e-04	-0.03	-3.35e-05	4.97e-06	0.0
314	2	1.93e-04	1.82e-03	-0.05	-9.04e-05	1.05e-05	0.0
314	17	2.40e-03	1.92e-03	-0.04	-5.60e-05	4.92e-06	0.0
314	31	-4.15e-04	3.48e-03	-0.04	-6.00e-05	7.03e-06	0.0
314	35	-4.26e-04	3.40e-03	-0.04	-6.02e-05	7.16e-06	0.0
314	49	3.74e-03	2.39e-03	-0.04	-5.61e-05	3.71e-06	0.0
314	63	-7.35e-04	4.87e-03	-0.04	-6.26e-05	7.06e-06	0.0
314	67	-7.52e-04	4.75e-03	-0.04	-6.28e-05	7.26e-06	0.0
314	70	1.45e-04	1.36e-03	-0.04	-6.75e-05	7.91e-06	0.0
314	72	1.32e-04	1.17e-03	-0.04	-5.81e-05	7.17e-06	0.0
315	2	3.01e-04	2.51e-03	-0.05	-1.25e-04	1.60e-05	0.0
315	17	2.48e-03	2.36e-03	-0.04	-7.77e-05	7.74e-06	0.0
315	31	-2.90e-04	3.95e-03	-0.04	-8.36e-05	1.05e-05	0.0
315	35	-3.05e-04	3.88e-03	-0.04	-8.38e-05	1.07e-05	0.0
315	49	3.83e-03	2.84e-03	-0.04	-7.80e-05	6.13e-06	0.0
315	63	-5.77e-04	5.36e-03	-0.04	-8.75e-05	1.05e-05	0.0
315	67	-6.00e-04	5.25e-03	-0.04	-8.78e-05	1.08e-05	0.0
315	70	2.27e-04	1.88e-03	-0.04	-9.34e-05	1.20e-05	0.0
315	72	2.03e-04	1.61e-03	-0.04	-8.03e-05	1.08e-05	0.0
316	2	4.53e-04	3.09e-03	-0.06	-1.54e-04	2.38e-05	0.0
316	17	2.59e-03	2.72e-03	-0.04	-9.58e-05	1.23e-05	0.0
316	31	-1.35e-04	4.35e-03	-0.05	-1.04e-04	1.69e-05	0.0
316	35	-1.53e-04	4.28e-03	-0.05	-1.04e-04	1.72e-05	0.0
316	49	3.94e-03	3.21e-03	-0.04	-9.64e-05	1.04e-05	0.0
316	63	-3.87e-04	5.79e-03	-0.05	-1.09e-04	1.78e-05	0.0



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316	67	-4.15e-04	5.68e-03	-0.05	-1.09e-04	1.82e-05	0.0
316	70	3.41e-04	2.31e-03	-0.05	-1.15e-04	1.79e-05	0.0
316	72	3.02e-04	1.98e-03	-0.04	-9.88e-05	1.59e-05	0.0
317	2	6.42e-04	3.49e-03	-0.07	-1.74e-04	3.36e-05	0.0
317	17	2.71e-03	2.98e-03	-0.05	-1.09e-04	1.76e-05	0.0
317	31	4.72e-05	4.64e-03	-0.05	-1.18e-04	2.37e-05	0.0
317	35	2.65e-05	4.57e-03	-0.05	-1.18e-04	2.41e-05	0.0
317	49	4.07e-03	3.47e-03	-0.05	-1.09e-04	1.54e-05	0.0
317	63	-1.67e-04	6.11e-03	-0.05	-1.25e-04	2.50e-05	0.0
317	67	-2.00e-04	6.00e-03	-0.05	-1.25e-04	2.56e-05	0.0
317	70	4.82e-04	2.61e-03	-0.05	-1.30e-04	2.53e-05	0.0
317	72	4.25e-04	2.24e-03	-0.05	-1.12e-04	2.23e-05	0.0
318	2	8.50e-04	3.66e-03	-0.08	-1.82e-04	4.45e-05	0.0
318	17	2.85e-03	3.09e-03	-0.06	-1.14e-04	2.37e-05	0.0
318	31	2.46e-04	4.77e-03	-0.06	-1.25e-04	3.15e-05	0.0
318	35	2.22e-04	4.70e-03	-0.06	-1.25e-04	3.20e-05	0.0
318	49	4.21e-03	3.58e-03	-0.06	-1.15e-04	2.09e-05	0.0
318	63	7.20e-05	6.25e-03	-0.06	-1.32e-04	3.35e-05	0.0
318	67	3.53e-05	6.14e-03	-0.06	-1.32e-04	3.42e-05	0.0
318	70	6.38e-04	2.74e-03	-0.06	-1.36e-04	3.34e-05	0.0
318	72	5.60e-04	2.35e-03	-0.06	-1.17e-04	2.93e-05	0.0
319	2	1.50e-03	-4.02e-03	-0.08	1.99e-04	7.75e-05	0.0
319	10	3.29e-03	-3.14e-03	-0.06	1.24e-04	4.57e-05	0.0
319	32	6.43e-04	-4.97e-03	-0.06	1.37e-04	5.33e-05	0.0
319	36	6.66e-04	-4.99e-03	-0.06	1.37e-04	5.30e-05	0.0
319	42	4.67e-03	-3.53e-03	-0.06	1.25e-04	4.40e-05	0.0
319	64	4.66e-04	-6.45e-03	-0.06	1.46e-04	5.61e-05	0.0
319	68	5.03e-04	-6.47e-03	-0.06	1.45e-04	5.55e-05	0.0
319	70	1.13e-03	-3.00e-03	-0.06	1.49e-04	5.81e-05	0.0
319	72	9.80e-04	-2.58e-03	-0.06	1.28e-04	5.05e-05	0.0
320	2	1.28e-03	-3.93e-03	-0.08	1.95e-04	6.59e-05	0.0
320	10	3.14e-03	-3.07e-03	-0.05	1.21e-04	3.88e-05	0.0
320	32	4.58e-04	-4.90e-03	-0.06	1.34e-04	4.49e-05	0.0
320	36	4.79e-04	-4.91e-03	-0.06	1.33e-04	4.46e-05	0.0
320	42	4.52e-03	-3.46e-03	-0.05	1.22e-04	3.73e-05	0.0
320	64	2.51e-04	-6.36e-03	-0.06	1.42e-04	4.69e-05	0.0
320	68	2.85e-04	-6.39e-03	-0.06	1.41e-04	4.64e-05	0.0
320	70	9.63e-04	-2.93e-03	-0.06	1.45e-04	4.95e-05	0.0
320	72	8.39e-04	-2.52e-03	-0.05	1.25e-04	4.31e-05	0.0
321	2	9.35e-04	-3.56e-03	-0.07	1.77e-04	4.77e-05	0.0
321	10	2.91e-03	-2.99e-03	-0.05	1.10e-04	2.80e-05	0.0
321	32	1.68e-04	-4.58e-03	-0.05	1.20e-04	3.21e-05	0.0
321	36	1.86e-04	-4.64e-03	-0.05	1.20e-04	3.19e-05	0.0
321	42	4.28e-03	-3.47e-03	-0.05	1.10e-04	2.67e-05	0.0
321	64	-8.23e-05	-5.99e-03	-0.05	1.27e-04	3.32e-05	0.0
321	68	-5.24e-05	-6.09e-03	-0.05	1.26e-04	3.29e-05	0.0
321	70	7.01e-04	-2.66e-03	-0.05	1.32e-04	3.58e-05	0.0
321	72	6.13e-04	-2.29e-03	-0.05	1.14e-04	3.13e-05	0.0
322	2	6.47e-04	-2.98e-03	-0.06	1.48e-04	3.29e-05	0.0
322	10	2.72e-03	-2.63e-03	-0.04	9.14e-05	1.94e-05	0.0
322	32	-7.38e-05	-4.16e-03	-0.04	9.96e-05	2.22e-05	0.0
322	36	-5.85e-05	-4.23e-03	-0.04	9.93e-05	2.21e-05	0.0
322	42	4.08e-03	-3.09e-03	-0.04	9.14e-05	1.85e-05	0.0
322	64	-3.60e-04	-5.54e-03	-0.04	1.05e-04	2.30e-05	0.0
322	68	-3.36e-04	-5.64e-03	-0.04	1.04e-04	2.28e-05	0.0
322	70	4.86e-04	-2.23e-03	-0.04	1.11e-04	2.47e-05	0.0
322	72	4.27e-04	-1.91e-03	-0.04	9.51e-05	2.17e-05	0.0
323	2	4.39e-04	-2.26e-03	-0.05	1.12e-04	2.23e-05	0.0
323	10	2.57e-03	-2.17e-03	-0.04	6.89e-05	1.29e-05	0.0
323	32	-2.59e-04	-3.66e-03	-0.04	7.46e-05	1.41e-05	0.0
323	36	-2.47e-04	-3.73e-03	-0.04	7.44e-05	1.41e-05	0.0
323	42	3.92e-03	-2.63e-03	-0.04	6.88e-05	1.21e-05	0.0
323	64	-5.77e-04	-5.00e-03	-0.04	7.78e-05	1.40e-05	0.0
323	68	-5.59e-04	-5.11e-03	-0.04	7.75e-05	1.39e-05	0.0
323	70	3.30e-04	-1.68e-03	-0.04	8.36e-05	1.68e-05	0.0
323	72	2.91e-04	-1.45e-03	-0.04	7.20e-05	1.48e-05	0.0
324	2	3.04e-04	-1.45e-03	-0.05	7.18e-05	1.56e-05	0.0
324	10	2.47e-03	-1.67e-03	-0.04	4.42e-05	9.05e-06	0.0
324	12	-2.02e-03	-1.47e-03	-0.04	4.64e-05	1.09e-05	0.0
324	36	-3.86e-04	-3.19e-03	-0.04	4.76e-05	9.95e-06	0.0
324	42	3.81e-03	-2.13e-03	-0.04	4.41e-05	8.42e-06	0.0
324	44	-3.33e-03	-1.81e-03	-0.04	4.75e-05	1.14e-05	0.0
324	68	-7.29e-04	-4.54e-03	-0.04	4.95e-05	9.86e-06	0.0
324	70	2.29e-04	-1.08e-03	-0.04	5.36e-05	1.17e-05	0.0
324	72	2.03e-04	-9.30e-04	-0.04	4.62e-05	1.04e-05	0.0
325	2	2.35e-04	-5.99e-04	-0.04	2.98e-05	1.22e-05	0.0



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325	10	2.40e-03	-1.15e-03	-0.03	1.84e-05	7.13e-06	0.0
325	12	-2.08e-03	-9.36e-04	-0.03	1.96e-05	8.68e-06	0.0
325	36	-4.82e-04	-2.64e-03	-0.03	2.05e-05	8.00e-06	0.0
325	42	3.73e-03	-1.61e-03	-0.03	1.85e-05	6.64e-06	0.0
325	44	-3.39e-03	-1.27e-03	-0.03	2.03e-05	9.11e-06	0.0
325	68	-8.57e-04	-3.98e-03	-0.03	2.17e-05	8.03e-06	0.0
325	70	1.77e-04	-4.47e-04	-0.03	2.23e-05	9.16e-06	0.0
325	72	1.58e-04	-3.85e-04	-0.03	1.92e-05	8.19e-06	0.0
326	2	2.23e-04	2.61e-04	-0.04	-1.28e-05	1.16e-05	0.0
326	17	2.39e-03	9.39e-04	-0.03	-8.08e-06	6.83e-06	0.0
326	19	-2.09e-03	7.25e-04	-0.03	-8.89e-06	8.33e-06	0.0
326	31	-5.09e-04	2.43e-03	-0.03	-9.83e-06	7.75e-06	0.0
326	49	3.71e-03	1.40e-03	-0.03	-8.16e-06	6.38e-06	0.0
326	51	-3.41e-03	1.06e-03	-0.03	-9.46e-06	8.76e-06	0.0
326	63	-8.95e-04	3.77e-03	-0.03	-1.09e-05	7.83e-06	0.0
326	70	1.68e-04	1.95e-04	-0.03	-9.59e-06	8.74e-06	0.0
326	72	1.50e-04	1.68e-04	-0.03	-8.27e-06	7.83e-06	0.0
327	2	2.67e-04	1.12e-03	-0.05	-5.52e-05	1.39e-05	0.0
327	17	2.44e-03	1.46e-03	-0.03	-3.40e-05	8.05e-06	0.0
327	19	-2.05e-03	1.26e-03	-0.03	-3.57e-05	9.81e-06	0.0
327	31	-4.29e-04	2.97e-03	-0.03	-3.68e-05	8.94e-06	0.0
327	49	3.78e-03	1.92e-03	-0.03	-3.39e-05	7.48e-06	0.0
327	51	-3.37e-03	1.60e-03	-0.04	-3.67e-05	1.03e-05	0.0
327	63	-7.83e-04	4.32e-03	-0.04	-3.83e-05	8.89e-06	0.0
327	70	2.01e-04	8.34e-04	-0.03	-4.12e-05	1.04e-05	0.0
327	72	1.79e-04	7.18e-04	-0.03	-3.55e-05	9.31e-06	0.0
328	2	3.72e-04	1.94e-03	-0.05	-9.62e-05	1.92e-05	0.0
328	17	2.53e-03	1.98e-03	-0.04	-5.92e-05	1.11e-05	0.0
328	31	-3.09e-04	3.52e-03	-0.04	-6.38e-05	1.22e-05	0.0
328	35	-3.20e-04	3.45e-03	-0.04	-6.40e-05	1.22e-05	0.0
328	49	3.87e-03	2.43e-03	-0.04	-5.91e-05	1.03e-05	0.0
328	63	-6.32e-04	4.89e-03	-0.04	-6.63e-05	1.20e-05	0.0
328	67	-6.50e-04	4.78e-03	-0.04	-6.66e-05	1.21e-05	0.0
328	70	2.80e-04	1.45e-03	-0.04	-7.19e-05	1.44e-05	0.0
328	72	2.48e-04	1.25e-03	-0.04	-6.19e-05	1.28e-05	0.0
329	2	5.49e-04	2.71e-03	-0.06	-1.34e-04	2.82e-05	0.0
329	17	2.65e-03	2.45e-03	-0.04	-8.27e-05	1.63e-05	0.0
329	31	-1.42e-04	4.04e-03	-0.04	-8.96e-05	1.78e-05	0.0
329	35	-1.57e-04	3.97e-03	-0.04	-8.98e-05	1.79e-05	0.0
329	49	4.01e-03	2.92e-03	-0.04	-8.27e-05	1.52e-05	0.0
329	63	-4.32e-04	5.44e-03	-0.04	-9.37e-05	1.76e-05	0.0
329	67	-4.57e-04	5.33e-03	-0.04	-9.40e-05	1.78e-05	0.0
329	70	4.12e-04	2.02e-03	-0.04	-1.00e-04	2.12e-05	0.0
329	72	3.63e-04	1.74e-03	-0.04	-8.62e-05	1.87e-05	0.0
330	2	8.05e-04	3.35e-03	-0.06	-1.66e-04	4.14e-05	0.0
330	17	2.83e-03	2.86e-03	-0.05	-1.03e-04	2.43e-05	0.0
330	31	8.04e-05	4.49e-03	-0.05	-1.12e-04	2.77e-05	0.0
330	35	6.11e-05	4.43e-03	-0.05	-1.12e-04	2.79e-05	0.0
330	49	4.20e-03	3.33e-03	-0.05	-1.03e-04	2.31e-05	0.0
330	63	-1.73e-04	5.92e-03	-0.05	-1.18e-04	2.85e-05	0.0
330	67	-2.04e-04	5.82e-03	-0.05	-1.18e-04	2.88e-05	0.0
330	70	6.04e-04	2.50e-03	-0.05	-1.24e-04	3.11e-05	0.0
330	72	5.29e-04	2.15e-03	-0.05	-1.07e-04	2.73e-05	0.0
331	2	1.13e-03	3.81e-03	-0.07	-1.89e-04	5.85e-05	0.0
331	17	3.05e-03	3.15e-03	-0.05	-1.17e-04	3.44e-05	0.0
331	31	3.56e-04	4.82e-03	-0.05	-1.29e-04	3.93e-05	0.0
331	35	3.34e-04	4.76e-03	-0.05	-1.29e-04	3.96e-05	0.0
331	49	4.42e-03	3.63e-03	-0.05	-1.18e-04	3.29e-05	0.0
331	63	1.45e-04	6.29e-03	-0.05	-1.36e-04	4.07e-05	0.0
331	67	1.10e-04	6.19e-03	-0.05	-1.36e-04	4.11e-05	0.0
331	70	8.50e-04	2.84e-03	-0.05	-1.41e-04	4.39e-05	0.0
331	72	7.41e-04	2.44e-03	-0.05	-1.21e-04	3.83e-05	0.0
332	2	1.50e-03	4.01e-03	-0.08	-1.99e-04	7.76e-05	0.0
332	17	3.29e-03	3.13e-03	-0.06	-1.23e-04	4.59e-05	0.0
332	31	6.66e-04	4.98e-03	-0.06	-1.36e-04	5.30e-05	0.0
332	35	6.41e-04	4.96e-03	-0.06	-1.37e-04	5.34e-05	0.0
332	49	4.67e-03	3.52e-03	-0.06	-1.24e-04	4.42e-05	0.0
332	63	5.05e-04	6.46e-03	-0.06	-1.45e-04	5.56e-05	0.0
332	67	4.65e-04	6.44e-03	-0.06	-1.45e-04	5.62e-05	0.0
332	70	1.12e-03	2.99e-03	-0.06	-1.48e-04	5.82e-05	0.0
332	72	9.77e-04	2.57e-03	-0.06	-1.27e-04	5.06e-05	0.0
333	2	1.88e-03	-4.54e-03	-0.09	2.24e-04	9.69e-05	0.0
333	10	3.58e-03	-3.47e-03	-0.06	1.39e-04	6.04e-05	0.0
333	32	8.78e-04	-5.31e-03	-0.06	1.55e-04	6.55e-05	0.0
333	36	9.05e-04	-5.33e-03	-0.06	1.55e-04	6.54e-05	0.0
333	42	4.99e-03	-3.88e-03	-0.06	1.40e-04	6.03e-05	0.0



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333	64	7.03e-04	-6.80e-03	-0.06	1.65e-04	6.85e-05	0.0
333	68	7.46e-04	-6.84e-03	-0.06	1.65e-04	6.82e-05	0.0
333	70	1.41e-03	-3.39e-03	-0.07	1.67e-04	7.26e-05	0.0
333	72	1.22e-03	-2.91e-03	-0.06	1.43e-04	6.29e-05	0.0
334	2	1.59e-03	-4.43e-03	-0.08	2.18e-04	8.15e-05	0.0
334	10	3.38e-03	-3.40e-03	-0.06	1.35e-04	5.07e-05	0.0
334	32	6.35e-04	-5.21e-03	-0.06	1.50e-04	5.41e-05	0.0
334	36	6.61e-04	-5.23e-03	-0.06	1.50e-04	5.40e-05	0.0
334	42	4.79e-03	-3.80e-03	-0.06	1.36e-04	5.05e-05	0.0
334	64	4.23e-04	-6.68e-03	-0.06	1.60e-04	5.59e-05	0.0
334	68	4.64e-04	-6.72e-03	-0.06	1.59e-04	5.57e-05	0.0
334	70	1.19e-03	-3.30e-03	-0.06	1.63e-04	6.11e-05	0.0
334	72	1.03e-03	-2.83e-03	-0.06	1.40e-04	5.31e-05	0.0
335	2	1.12e-03	-3.98e-03	-0.07	1.97e-04	5.72e-05	0.0
335	10	3.07e-03	-3.11e-03	-0.05	1.21e-04	3.58e-05	0.0
335	32	2.69e-04	-4.88e-03	-0.05	1.34e-04	3.73e-05	0.0
335	36	2.91e-04	-4.90e-03	-0.05	1.33e-04	3.73e-05	0.0
335	42	4.46e-03	-3.49e-03	-0.05	1.22e-04	3.56e-05	0.0
335	64	1.05e-05	-6.31e-03	-0.05	1.41e-04	3.81e-05	0.0
335	68	4.54e-05	-6.34e-03	-0.05	1.41e-04	3.80e-05	0.0
335	70	8.42e-04	-2.98e-03	-0.05	1.47e-04	4.29e-05	0.0
335	72	7.35e-04	-2.56e-03	-0.05	1.26e-04	3.74e-05	0.0
336	2	7.64e-04	-3.29e-03	-0.06	1.62e-04	3.86e-05	0.0
336	10	2.82e-03	-2.66e-03	-0.04	1.00e-04	2.40e-05	0.0
336	32	-1.46e-05	-4.38e-03	-0.04	1.09e-04	2.37e-05	0.0
336	36	3.15e-06	-4.40e-03	-0.04	1.09e-04	2.37e-05	0.0
336	42	4.20e-03	-3.03e-03	-0.04	9.98e-05	2.37e-05	0.0
336	64	-3.09e-04	-5.77e-03	-0.04	1.14e-04	2.33e-05	0.0
336	68	-2.80e-04	-5.79e-03	-0.04	1.14e-04	2.33e-05	0.0
336	70	5.73e-04	-2.46e-03	-0.05	1.21e-04	2.90e-05	0.0
336	72	5.02e-04	-2.11e-03	-0.04	1.04e-04	2.54e-05	0.0
337	2	5.18e-04	-2.46e-03	-0.05	1.21e-04	2.61e-05	0.0
337	10	2.64e-03	-2.28e-03	-0.04	7.46e-05	1.64e-05	0.0
337	32	-2.18e-04	-3.76e-03	-0.04	8.05e-05	1.60e-05	0.0
337	36	-2.05e-04	-3.82e-03	-0.04	8.03e-05	1.60e-05	0.0
337	42	4.01e-03	-2.73e-03	-0.04	7.44e-05	1.62e-05	0.0
337	64	-5.41e-04	-5.08e-03	-0.04	8.38e-05	1.56e-05	0.0
337	68	-5.20e-04	-5.18e-03	-0.04	8.34e-05	1.57e-05	0.0
337	70	3.89e-04	-1.84e-03	-0.04	9.06e-05	1.96e-05	0.0
337	72	3.42e-04	-1.58e-03	-0.04	7.81e-05	1.73e-05	0.0
338	2	3.66e-04	-1.56e-03	-0.05	7.72e-05	1.85e-05	0.0
338	10	2.52e-03	-1.72e-03	-0.04	4.74e-05	1.17e-05	0.0
338	12	-2.00e-03	-1.54e-03	-0.04	4.98e-05	1.19e-05	0.0
338	36	-3.53e-04	-3.22e-03	-0.04	5.09e-05	1.15e-05	0.0
338	42	3.87e-03	-2.17e-03	-0.04	4.73e-05	1.15e-05	0.0
338	44	-3.32e-03	-1.89e-03	-0.04	5.10e-05	1.19e-05	0.0
338	68	-6.98e-04	-4.56e-03	-0.04	5.27e-05	1.13e-05	0.0
338	70	2.75e-04	-1.17e-03	-0.04	5.77e-05	1.39e-05	0.0
338	72	2.42e-04	-1.01e-03	-0.04	4.97e-05	1.23e-05	0.0
339	2	2.89e-04	-6.44e-04	-0.04	3.19e-05	1.47e-05	0.0
339	10	2.45e-03	-1.16e-03	-0.03	1.97e-05	9.31e-06	0.0
339	12	-2.06e-03	-9.62e-04	-0.03	2.09e-05	9.56e-06	0.0
339	36	-4.53e-04	-2.63e-03	-0.03	2.17e-05	9.35e-06	0.0
339	42	3.78e-03	-1.60e-03	-0.03	1.96e-05	9.21e-06	0.0
339	44	-3.38e-03	-1.30e-03	-0.03	2.16e-05	9.61e-06	0.0
339	68	-8.30e-04	-3.95e-03	-0.03	2.28e-05	9.27e-06	0.0
339	70	2.17e-04	-4.81e-04	-0.03	2.38e-05	1.11e-05	0.0
339	72	1.92e-04	-4.15e-04	-0.03	2.06e-05	9.81e-06	0.0
340	2	2.75e-04	2.82e-04	-0.04	-1.37e-05	1.41e-05	0.0
340	17	2.43e-03	9.32e-04	-0.03	-8.56e-06	8.95e-06	0.0
340	19	-2.07e-03	7.36e-04	-0.03	-9.44e-06	9.21e-06	0.0
340	31	-4.81e-04	2.40e-03	-0.03	-1.02e-05	9.06e-06	0.0
340	49	3.77e-03	1.38e-03	-0.03	-8.60e-06	8.86e-06	0.0
340	51	-3.40e-03	1.07e-03	-0.03	-1.00e-05	9.27e-06	0.0
340	63	-8.69e-04	3.72e-03	-0.03	-1.13e-05	9.04e-06	0.0
340	70	2.07e-04	2.10e-04	-0.03	-1.03e-05	1.06e-05	0.0
340	72	1.83e-04	1.81e-04	-0.03	-8.85e-06	9.40e-06	0.0
341	2	3.24e-04	1.20e-03	-0.05	-5.92e-05	1.66e-05	0.0
341	17	2.49e-03	1.50e-03	-0.04	-3.64e-05	1.04e-05	0.0
341	19	-2.04e-03	1.32e-03	-0.04	-3.83e-05	1.07e-05	0.0
341	31	-3.98e-04	2.99e-03	-0.04	-3.91e-05	1.04e-05	0.0
341	49	3.84e-03	1.94e-03	-0.04	-3.62e-05	1.03e-05	0.0
341	51	-3.36e-03	1.66e-03	-0.04	-3.93e-05	1.07e-05	0.0
341	63	-7.55e-04	4.32e-03	-0.04	-4.06e-05	1.02e-05	0.0
341	70	2.43e-04	9.00e-04	-0.04	-4.42e-05	1.25e-05	0.0
341	72	2.15e-04	7.75e-04	-0.04	-3.82e-05	1.10e-05	0.0



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342	2	4.42e-04	2.11e-03	-0.05	-1.04e-04	2.25e-05	0.0
342	17	2.59e-03	2.06e-03	-0.04	-6.39e-05	1.41e-05	0.0
342	31	-2.72e-04	3.59e-03	-0.04	-6.86e-05	1.39e-05	0.0
342	35	-2.84e-04	3.53e-03	-0.04	-6.88e-05	1.39e-05	0.0
342	49	3.95e-03	2.51e-03	-0.04	-6.36e-05	1.40e-05	0.0
342	63	-5.98e-04	4.93e-03	-0.04	-7.11e-05	1.36e-05	0.0
342	67	-6.19e-04	4.84e-03	-0.04	-7.14e-05	1.36e-05	0.0
342	70	3.32e-04	1.58e-03	-0.04	-7.77e-05	1.69e-05	0.0
342	72	2.92e-04	1.36e-03	-0.04	-6.69e-05	1.49e-05	0.0
343	2	6.46e-04	2.97e-03	-0.06	-1.46e-04	3.30e-05	0.0
343	17	2.74e-03	2.60e-03	-0.04	-9.01e-05	2.05e-05	0.0
343	31	-9.10e-05	4.17e-03	-0.04	-9.76e-05	2.02e-05	0.0
343	35	-1.09e-04	4.11e-03	-0.04	-9.78e-05	2.02e-05	0.0
343	49	4.12e-03	3.05e-03	-0.04	-8.99e-05	2.03e-05	0.0
343	63	-3.86e-04	5.55e-03	-0.04	-1.02e-04	1.98e-05	0.0
343	67	-4.15e-04	5.46e-03	-0.04	-1.02e-04	1.98e-05	0.0
343	70	4.85e-04	2.22e-03	-0.04	-1.09e-04	2.47e-05	0.0
343	72	4.25e-04	1.91e-03	-0.04	-9.42e-05	2.17e-05	0.0
344	2	9.57e-04	3.73e-03	-0.07	-1.84e-04	4.91e-05	0.0
344	17	2.96e-03	2.94e-03	-0.05	-1.13e-04	3.08e-05	0.0
344	31	1.63e-04	4.71e-03	-0.05	-1.24e-04	3.21e-05	0.0
344	35	1.41e-04	4.69e-03	-0.05	-1.24e-04	3.21e-05	0.0
344	49	4.35e-03	3.32e-03	-0.05	-1.13e-04	3.07e-05	0.0
344	63	-9.70e-05	6.13e-03	-0.05	-1.30e-04	3.26e-05	0.0
344	67	-1.32e-04	6.11e-03	-0.05	-1.31e-04	3.27e-05	0.0
344	70	7.18e-04	2.79e-03	-0.05	-1.37e-04	3.68e-05	0.0
344	72	6.27e-04	2.40e-03	-0.05	-1.18e-04	3.22e-05	0.0
345	2	1.39e-03	4.28e-03	-0.08	-2.11e-04	7.14e-05	0.0
345	17	3.25e-03	3.30e-03	-0.05	-1.31e-04	4.44e-05	0.0
345	31	5.04e-04	5.12e-03	-0.05	-1.44e-04	4.69e-05	0.0
345	35	4.78e-04	5.10e-03	-0.05	-1.44e-04	4.70e-05	0.0
345	49	4.65e-03	3.70e-03	-0.05	-1.31e-04	4.42e-05	0.0
345	63	2.88e-04	6.59e-03	-0.06	-1.53e-04	4.81e-05	0.0
345	67	2.46e-04	6.56e-03	-0.06	-1.53e-04	4.83e-05	0.0
345	70	1.04e-03	3.20e-03	-0.06	-1.57e-04	5.36e-05	0.0
345	72	9.04e-04	2.74e-03	-0.05	-1.35e-04	4.66e-05	0.0
346	2	1.88e-03	4.53e-03	-0.09	-2.23e-04	9.71e-05	0.0
346	17	3.58e-03	3.47e-03	-0.06	-1.38e-04	6.06e-05	0.0
346	31	9.07e-04	5.32e-03	-0.06	-1.54e-04	6.55e-05	0.0
346	35	8.78e-04	5.30e-03	-0.06	-1.54e-04	6.56e-05	0.0
346	49	4.99e-03	3.87e-03	-0.06	-1.39e-04	6.05e-05	0.0
346	63	7.51e-04	6.82e-03	-0.06	-1.64e-04	6.83e-05	0.0
346	67	7.04e-04	6.79e-03	-0.06	-1.65e-04	6.86e-05	0.0
346	70	1.41e-03	3.38e-03	-0.07	-1.66e-04	7.28e-05	0.0
346	72	1.22e-03	2.90e-03	-0.06	-1.43e-04	6.31e-05	0.0
347	2	1.78e-03	-5.20e-03	-0.09	2.53e-04	9.29e-05	0.0
347	10	3.60e-03	-3.88e-03	-0.06	1.58e-04	6.19e-05	0.0
347	32	7.82e-04	-5.74e-03	-0.07	1.76e-04	6.12e-05	0.0
347	36	8.16e-04	-5.75e-03	-0.07	1.75e-04	6.15e-05	0.0
347	42	5.07e-03	-4.30e-03	-0.06	1.59e-04	6.42e-05	0.0
347	64	5.86e-04	-7.24e-03	-0.07	1.88e-04	6.32e-05	0.0
347	68	6.42e-04	-7.27e-03	-0.07	1.87e-04	6.36e-05	0.0
347	70	1.34e-03	-3.88e-03	-0.07	1.89e-04	6.96e-05	0.0
347	72	1.16e-03	-3.32e-03	-0.06	1.62e-04	6.03e-05	0.0
348	2	1.46e-03	-5.07e-03	-0.08	2.47e-04	7.61e-05	0.0
348	10	3.37e-03	-3.80e-03	-0.06	1.54e-04	5.06e-05	0.0
348	32	5.26e-04	-5.63e-03	-0.06	1.71e-04	4.93e-05	0.0
348	36	5.57e-04	-5.65e-03	-0.06	1.70e-04	4.95e-05	0.0
348	42	4.81e-03	-4.21e-03	-0.06	1.55e-04	5.23e-05	0.0
348	64	2.97e-04	-7.11e-03	-0.06	1.82e-04	5.02e-05	0.0
348	68	3.47e-04	-7.14e-03	-0.06	1.81e-04	5.06e-05	0.0
348	70	1.09e-03	-3.78e-03	-0.06	1.85e-04	5.70e-05	0.0
348	72	9.50e-04	-3.24e-03	-0.06	1.58e-04	4.96e-05	0.0
349	2	9.87e-04	-4.47e-03	-0.07	2.19e-04	5.05e-05	0.0
349	10	3.04e-03	-3.41e-03	-0.05	1.35e-04	3.39e-05	0.0
349	32	1.55e-04	-5.17e-03	-0.05	1.49e-04	3.01e-05	0.0
349	36	1.82e-04	-5.19e-03	-0.05	1.48e-04	3.03e-05	0.0
349	42	4.47e-03	-3.80e-03	-0.05	1.36e-04	3.50e-05	0.0
349	64	-1.21e-04	-6.59e-03	-0.05	1.57e-04	2.90e-05	0.0
349	68	-7.75e-05	-6.63e-03	-0.05	1.56e-04	2.94e-05	0.0
349	70	7.41e-04	-3.34e-03	-0.05	1.63e-04	3.79e-05	0.0
349	72	6.47e-04	-2.87e-03	-0.05	1.41e-04	3.31e-05	0.0
350	2	6.61e-04	-3.62e-03	-0.06	1.77e-04	3.34e-05	0.0
350	10	2.80e-03	-2.85e-03	-0.04	1.09e-04	2.26e-05	0.0
350	32	-9.18e-05	-4.55e-03	-0.05	1.18e-04	1.98e-05	0.0
350	36	-7.10e-05	-4.57e-03	-0.05	1.18e-04	1.99e-05	0.0



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350	42	4.20e-03	-3.22e-03	-0.04	1.09e-04	2.34e-05	0.0
350	64	-3.93e-04	-5.92e-03	-0.05	1.24e-04	1.90e-05	0.0
350	68	-3.60e-04	-5.95e-03	-0.05	1.23e-04	1.92e-05	0.0
350	70	4.96e-04	-2.70e-03	-0.05	1.32e-04	2.51e-05	0.0
350	72	4.34e-04	-2.32e-03	-0.05	1.14e-04	2.20e-05	0.0
351	2	4.53e-04	-2.66e-03	-0.05	1.31e-04	2.28e-05	0.0
351	10	2.63e-03	-2.39e-03	-0.04	8.06e-05	1.55e-05	0.0
351	32	-2.66e-04	-3.86e-03	-0.04	8.61e-05	1.36e-05	0.0
351	36	-2.51e-04	-3.91e-03	-0.04	8.59e-05	1.37e-05	0.0
351	42	4.01e-03	-2.83e-03	-0.04	8.05e-05	1.60e-05	0.0
351	64	-5.92e-04	-5.16e-03	-0.04	8.93e-05	1.30e-05	0.0
351	68	-5.69e-04	-5.25e-03	-0.04	8.90e-05	1.32e-05	0.0
351	70	3.40e-04	-1.99e-03	-0.04	9.76e-05	1.72e-05	0.0
351	72	2.98e-04	-1.71e-03	-0.04	8.41e-05	1.51e-05	0.0
352	2	3.27e-04	-1.68e-03	-0.05	8.24e-05	1.66e-05	0.0
352	10	2.51e-03	-1.78e-03	-0.04	5.08e-05	1.12e-05	0.0
352	12	-2.05e-03	-1.61e-03	-0.04	5.29e-05	9.81e-06	0.0
352	36	-3.81e-04	-3.26e-03	-0.04	5.40e-05	1.01e-05	0.0
352	42	3.87e-03	-2.21e-03	-0.04	5.07e-05	1.16e-05	0.0
352	44	-3.37e-03	-1.95e-03	-0.04	5.40e-05	9.33e-06	0.0
352	68	-7.28e-04	-4.57e-03	-0.04	5.57e-05	9.79e-06	0.0
352	70	2.46e-04	-1.25e-03	-0.04	6.16e-05	1.25e-05	0.0
352	72	2.16e-04	-1.08e-03	-0.04	5.31e-05	1.10e-05	0.0
353	2	2.64e-04	-6.87e-04	-0.05	3.39e-05	1.35e-05	0.0
353	10	2.44e-03	-1.16e-03	-0.03	2.10e-05	9.10e-06	0.0
353	12	-2.09e-03	-9.85e-04	-0.04	2.21e-05	8.14e-06	0.0
353	36	-4.73e-04	-2.62e-03	-0.03	2.28e-05	8.39e-06	0.0
353	42	3.79e-03	-1.60e-03	-0.03	2.10e-05	9.36e-06	0.0
353	44	-3.42e-03	-1.32e-03	-0.04	2.27e-05	7.83e-06	0.0
353	68	-8.51e-04	-3.92e-03	-0.04	2.39e-05	8.24e-06	0.0
353	70	1.98e-04	-5.14e-04	-0.04	2.53e-05	1.02e-05	0.0
353	72	1.74e-04	-4.43e-04	-0.03	2.19e-05	8.96e-06	0.0
354	2	2.53e-04	3.01e-04	-0.05	-1.46e-05	1.30e-05	0.0
354	17	2.43e-03	9.26e-04	-0.03	-9.11e-06	8.77e-06	0.0
354	19	-2.10e-03	7.44e-04	-0.03	-9.89e-06	7.88e-06	0.0
354	31	-5.00e-04	2.38e-03	-0.03	-1.07e-05	8.16e-06	0.0
354	49	3.77e-03	1.36e-03	-0.03	-9.17e-06	9.02e-06	0.0
354	51	-3.43e-03	1.07e-03	-0.03	-1.04e-05	7.61e-06	0.0
354	63	-8.89e-04	3.67e-03	-0.03	-1.16e-05	8.05e-06	0.0
354	70	1.90e-04	2.25e-04	-0.03	-1.09e-05	9.78e-06	0.0
354	72	1.67e-04	1.94e-04	-0.03	-9.40e-06	8.63e-06	0.0
355	2	2.92e-04	1.29e-03	-0.05	-6.30e-05	1.50e-05	0.0
355	17	2.48e-03	1.54e-03	-0.04	-3.89e-05	1.01e-05	0.0
355	19	-2.07e-03	1.37e-03	-0.04	-4.06e-05	8.92e-06	0.0
355	31	-4.22e-04	3.01e-03	-0.04	-4.14e-05	9.19e-06	0.0
355	49	3.84e-03	1.97e-03	-0.04	-3.88e-05	1.04e-05	0.0
355	51	-3.40e-03	1.70e-03	-0.04	-4.15e-05	8.51e-06	0.0
355	63	-7.81e-04	4.31e-03	-0.04	-4.28e-05	8.94e-06	0.0
355	70	2.19e-04	9.64e-04	-0.04	-4.71e-05	1.13e-05	0.0
355	72	1.93e-04	8.31e-04	-0.04	-4.07e-05	9.95e-06	0.0
356	2	3.88e-04	2.28e-03	-0.05	-1.11e-04	1.99e-05	0.0
356	17	2.58e-03	2.15e-03	-0.04	-6.87e-05	1.35e-05	0.0
356	31	-3.10e-04	3.65e-03	-0.04	-7.31e-05	1.20e-05	0.0
356	35	-3.24e-04	3.60e-03	-0.04	-7.33e-05	1.19e-05	0.0
356	49	3.95e-03	2.59e-03	-0.04	-6.86e-05	1.39e-05	0.0
356	63	-6.38e-04	4.98e-03	-0.04	-7.55e-05	1.15e-05	0.0
356	67	-6.61e-04	4.89e-03	-0.04	-7.58e-05	1.14e-05	0.0
356	70	2.91e-04	1.70e-03	-0.04	-8.32e-05	1.49e-05	0.0
356	72	2.56e-04	1.47e-03	-0.04	-7.18e-05	1.31e-05	0.0
357	2	5.56e-04	3.25e-03	-0.06	-1.59e-04	2.85e-05	0.0
357	17	2.72e-03	2.76e-03	-0.04	-9.81e-05	1.93e-05	0.0
357	31	-1.55e-04	4.31e-03	-0.04	-1.05e-04	1.70e-05	0.0
357	35	-1.75e-04	4.26e-03	-0.04	-1.06e-04	1.69e-05	0.0
357	49	4.11e-03	3.20e-03	-0.04	-9.80e-05	2.00e-05	0.0
357	63	-4.54e-04	5.67e-03	-0.04	-1.09e-04	1.64e-05	0.0
357	67	-4.86e-04	5.58e-03	-0.04	-1.10e-04	1.61e-05	0.0
357	70	4.18e-04	2.43e-03	-0.04	-1.19e-04	2.14e-05	0.0
357	72	3.66e-04	2.09e-03	-0.04	-1.02e-04	1.87e-05	0.0
358	2	8.25e-04	4.15e-03	-0.07	-2.03e-04	4.26e-05	0.0
358	17	2.93e-03	3.20e-03	-0.05	-1.26e-04	2.87e-05	0.0
358	31	6.08e-05	4.95e-03	-0.05	-1.37e-04	2.55e-05	0.0
358	35	3.40e-05	4.93e-03	-0.05	-1.37e-04	2.53e-05	0.0
358	49	4.35e-03	3.59e-03	-0.05	-1.26e-04	2.97e-05	0.0
358	63	-2.11e-04	6.36e-03	-0.05	-1.43e-04	2.46e-05	0.0
358	67	-2.54e-04	6.33e-03	-0.05	-1.44e-04	2.43e-05	0.0
358	70	6.19e-04	3.10e-03	-0.05	-1.52e-04	3.20e-05	0.0



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358	72	5.42e-04	2.67e-03	-0.05	-1.31e-04	2.80e-05	0.0
359	2	1.24e-03	4.88e-03	-0.08	-2.38e-04	6.51e-05	0.0
359	17	3.22e-03	3.68e-03	-0.06	-1.48e-04	4.36e-05	0.0
359	31	3.90e-04	5.50e-03	-0.06	-1.63e-04	4.19e-05	0.0
359	35	3.59e-04	5.48e-03	-0.06	-1.64e-04	4.17e-05	0.0
359	49	4.66e-03	4.08e-03	-0.06	-1.49e-04	4.51e-05	0.0
359	63	1.59e-04	6.98e-03	-0.06	-1.73e-04	4.25e-05	0.0
359	67	1.09e-04	6.95e-03	-0.06	-1.74e-04	4.21e-05	0.0
359	70	9.32e-04	3.65e-03	-0.06	-1.78e-04	4.88e-05	0.0
359	72	8.12e-04	3.13e-03	-0.06	-1.53e-04	4.25e-05	0.0
360	2	1.79e-03	5.19e-03	-0.09	-2.53e-04	9.33e-05	0.0
360	17	3.60e-03	3.88e-03	-0.06	-1.58e-04	6.21e-05	0.0
360	31	8.31e-04	5.75e-03	-0.07	-1.75e-04	6.19e-05	0.0
360	35	7.95e-04	5.73e-03	-0.07	-1.75e-04	6.16e-05	0.0
360	49	5.07e-03	4.29e-03	-0.06	-1.59e-04	6.43e-05	0.0
360	63	6.62e-04	7.26e-03	-0.07	-1.87e-04	6.40e-05	0.0
360	67	6.05e-04	7.24e-03	-0.07	-1.87e-04	6.37e-05	0.0
360	70	1.34e-03	3.88e-03	-0.07	-1.89e-04	6.99e-05	0.0
360	72	1.16e-03	3.32e-03	-0.06	-1.62e-04	6.05e-05	0.0
361	2	9.96e-04	-6.21e-03	-0.10	2.96e-04	5.29e-05	0.0
361	10	3.22e-03	-4.67e-03	-0.07	1.88e-04	4.41e-05	0.0
361	32	2.35e-04	-6.46e-03	-0.07	2.10e-04	3.24e-05	0.0
361	36	2.81e-04	-6.51e-03	-0.07	2.10e-04	3.33e-05	0.0
361	42	4.75e-03	-5.19e-03	-0.07	1.92e-04	5.06e-05	0.0
361	64	5.52e-06	-8.05e-03	-0.07	2.27e-04	3.19e-05	0.0
361	68	7.77e-05	-8.13e-03	-0.07	2.27e-04	3.34e-05	0.0
361	70	7.47e-04	-4.64e-03	-0.07	2.21e-04	3.97e-05	0.0
361	72	6.49e-04	-3.95e-03	-0.07	1.89e-04	3.45e-05	0.0
362	2	3.14e-04	-6.04e-03	-0.09	2.89e-04	2.55e-05	0.0
362	10	2.82e-03	-4.41e-03	-0.06	1.81e-04	2.55e-05	0.0
362	32	-2.86e-04	-6.29e-03	-0.06	2.01e-04	1.17e-05	0.0
362	36	-2.39e-04	-6.31e-03	-0.06	2.00e-04	1.26e-05	0.0
362	42	4.35e-03	-4.84e-03	-0.06	1.83e-04	3.07e-05	0.0
362	64	-5.82e-04	-7.81e-03	-0.06	2.14e-04	8.83e-06	0.0
362	68	-5.08e-04	-7.85e-03	-0.06	2.14e-04	1.02e-05	0.0
362	70	2.38e-04	-4.51e-03	-0.07	2.15e-04	1.92e-05	0.0
362	72	2.20e-04	-3.86e-03	-0.06	1.85e-04	1.71e-05	0.0
363	2	4.77e-04	-4.88e-03	-0.07	2.36e-04	2.51e-05	0.0
363	10	2.77e-03	-3.78e-03	-0.05	1.48e-04	2.06e-05	0.0
363	32	-1.67e-04	-5.35e-03	-0.05	1.59e-04	1.55e-05	0.0
363	36	-1.36e-04	-5.40e-03	-0.05	1.59e-04	1.59e-05	0.0
363	42	4.23e-03	-4.24e-03	-0.05	1.49e-04	2.34e-05	0.0
363	64	-4.45e-04	-6.74e-03	-0.05	1.67e-04	1.52e-05	0.0
363	68	-3.96e-04	-6.82e-03	-0.05	1.66e-04	1.58e-05	0.0
363	70	3.58e-04	-3.65e-03	-0.06	1.77e-04	1.88e-05	0.0
363	72	3.14e-04	-3.13e-03	-0.05	1.52e-04	1.65e-05	0.0
364	2	3.60e-04	-3.84e-03	-0.06	1.87e-04	1.86e-05	0.0
364	10	2.64e-03	-3.12e-03	-0.05	1.17e-04	1.46e-05	0.0
364	32	-2.85e-04	-4.62e-03	-0.05	1.24e-04	1.02e-05	0.0
364	36	-2.63e-04	-4.67e-03	-0.05	1.24e-04	1.05e-05	0.0
364	42	4.05e-03	-3.57e-03	-0.05	1.17e-04	1.63e-05	0.0
364	64	-5.88e-04	-5.95e-03	-0.05	1.29e-04	9.26e-06	0.0
364	68	-5.52e-04	-6.03e-03	-0.05	1.29e-04	9.70e-06	0.0
364	70	2.70e-04	-2.87e-03	-0.05	1.40e-04	1.39e-05	0.0
364	72	2.37e-04	-2.47e-03	-0.05	1.21e-04	1.22e-05	0.0
365	2	2.69e-04	-2.80e-03	-0.05	1.37e-04	1.39e-05	0.0
365	10	2.53e-03	-2.47e-03	-0.04	8.51e-05	1.06e-05	0.0
365	32	-3.83e-04	-3.91e-03	-0.04	8.97e-05	7.88e-06	0.0
365	36	-3.67e-04	-3.96e-03	-0.04	8.96e-05	8.04e-06	0.0
365	42	3.92e-03	-2.90e-03	-0.04	8.54e-05	1.16e-05	0.0
365	64	-7.09e-04	-5.19e-03	-0.04	9.27e-05	7.32e-06	0.0
365	68	-6.84e-04	-5.27e-03	-0.04	9.25e-05	7.57e-06	0.0
365	70	2.02e-04	-2.09e-03	-0.04	1.02e-04	1.04e-05	0.0
365	72	1.77e-04	-1.80e-03	-0.04	8.81e-05	9.16e-06	0.0
366	2	2.10e-04	-1.75e-03	-0.05	8.58e-05	1.10e-05	0.0
366	10	2.45e-03	-1.81e-03	-0.04	5.34e-05	8.15e-06	0.0
366	12	-2.13e-03	-1.65e-03	-0.04	5.47e-05	5.71e-06	0.0
366	36	-4.56e-04	-3.27e-03	-0.04	5.60e-05	6.49e-06	0.0
366	42	3.82e-03	-2.24e-03	-0.04	5.35e-05	8.83e-06	0.0
366	44	-3.47e-03	-1.98e-03	-0.04	5.55e-05	4.95e-06	0.0
366	68	-8.03e-04	-4.55e-03	-0.04	5.77e-05	6.20e-06	0.0
366	70	1.58e-04	-1.31e-03	-0.04	6.42e-05	8.25e-06	0.0
366	72	1.38e-04	-1.13e-03	-0.04	5.54e-05	7.25e-06	0.0
367	2	1.80e-04	-7.16e-04	-0.05	3.52e-05	9.48e-06	0.0
367	10	2.40e-03	-1.17e-03	-0.04	2.20e-05	6.89e-06	0.0
367	12	-2.15e-03	-9.97e-04	-0.04	2.27e-05	5.15e-06	0.0



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367	36	-5.29e-04	-2.60e-03	-0.04	2.36e-05	5.73e-06	0.0
367	42	3.75e-03	-1.59e-03	-0.04	2.21e-05	7.39e-06	0.0
367	44	-3.48e-03	-1.32e-03	-0.04	2.32e-05	4.62e-06	0.0
367	68	-9.08e-04	-3.87e-03	-0.04	2.46e-05	5.54e-06	0.0
367	70	1.35e-04	-5.35e-04	-0.04	2.63e-05	7.12e-06	0.0
367	72	1.18e-04	-4.61e-04	-0.04	2.27e-05	6.26e-06	0.0
368	2	1.74e-04	3.14e-04	-0.05	-1.51e-05	9.24e-06	0.0
368	17	2.39e-03	9.18e-04	-0.03	-9.59e-06	6.69e-06	0.0
368	19	-2.16e-03	7.48e-04	-0.04	-1.01e-05	5.07e-06	0.0
368	31	-5.53e-04	2.35e-03	-0.04	-1.10e-05	5.62e-06	0.0
368	49	3.73e-03	1.34e-03	-0.03	-9.71e-06	7.16e-06	0.0
368	51	-3.50e-03	1.07e-03	-0.04	-1.05e-05	4.58e-06	0.0
368	63	-9.43e-04	3.62e-03	-0.04	-1.19e-05	5.46e-06	0.0
368	70	1.30e-04	2.35e-04	-0.04	-1.13e-05	6.94e-06	0.0
368	72	1.14e-04	2.03e-04	-0.03	-9.76e-06	6.10e-06	0.0
369	2	1.92e-04	1.35e-03	-0.05	-6.56e-05	1.02e-05	0.0
369	17	2.43e-03	1.56e-03	-0.04	-4.08e-05	7.54e-06	0.0
369	19	-2.14e-03	1.40e-03	-0.04	-4.18e-05	5.39e-06	0.0
369	31	-4.87e-04	3.00e-03	-0.04	-4.29e-05	6.09e-06	0.0
369	49	3.79e-03	1.99e-03	-0.04	-4.09e-05	8.14e-06	0.0
369	51	-3.48e-03	1.73e-03	-0.04	-4.25e-05	4.72e-06	0.0
369	63	-8.45e-04	4.29e-03	-0.04	-4.43e-05	5.84e-06	0.0
369	70	1.44e-04	1.01e-03	-0.04	-4.90e-05	7.68e-06	0.0
369	72	1.26e-04	8.68e-04	-0.04	-4.23e-05	6.75e-06	0.0
370	2	2.37e-04	2.39e-03	-0.05	-1.16e-04	1.25e-05	0.0
370	17	2.49e-03	2.21e-03	-0.04	-7.24e-05	9.48e-06	0.0
370	31	-4.06e-04	3.69e-03	-0.04	-7.60e-05	7.29e-06	0.0
370	35	-4.21e-04	3.63e-03	-0.04	-7.61e-05	7.16e-06	0.0
370	49	3.88e-03	2.64e-03	-0.04	-7.25e-05	1.04e-05	0.0
370	63	-7.34e-04	4.99e-03	-0.04	-7.83e-05	6.89e-06	0.0
370	67	-7.58e-04	4.91e-03	-0.04	-7.85e-05	6.68e-06	0.0
370	70	1.78e-04	1.79e-03	-0.04	-8.69e-05	9.41e-06	0.0
370	72	1.56e-04	1.54e-03	-0.04	-7.50e-05	8.26e-06	0.0
371	2	3.10e-04	3.44e-03	-0.06	-1.67e-04	1.63e-05	0.0
371	17	2.59e-03	2.87e-03	-0.04	-1.04e-04	1.28e-05	0.0
371	31	-3.11e-04	4.39e-03	-0.04	-1.10e-04	9.28e-06	0.0
371	35	-3.33e-04	4.34e-03	-0.04	-1.10e-04	9.05e-06	0.0
371	49	4.00e-03	3.31e-03	-0.04	-1.05e-04	1.42e-05	0.0
371	63	-6.11e-04	5.73e-03	-0.04	-1.14e-04	8.63e-06	0.0
371	67	-6.46e-04	5.65e-03	-0.04	-1.14e-04	8.25e-06	0.0
371	70	2.33e-04	2.57e-03	-0.05	-1.25e-04	1.23e-05	0.0
371	72	2.04e-04	2.21e-03	-0.04	-1.08e-04	1.08e-05	0.0
372	2	4.01e-04	4.49e-03	-0.07	-2.17e-04	2.15e-05	0.0
372	17	2.70e-03	3.53e-03	-0.05	-1.36e-04	1.78e-05	0.0
372	31	-2.04e-04	5.12e-03	-0.05	-1.45e-04	1.37e-05	0.0
372	35	-2.33e-04	5.07e-03	-0.05	-1.45e-04	1.33e-05	0.0
372	49	4.15e-03	3.98e-03	-0.05	-1.36e-04	2.02e-05	0.0
372	63	-4.74e-04	6.50e-03	-0.05	-1.51e-04	1.37e-05	0.0
372	67	-5.21e-04	6.42e-03	-0.05	-1.52e-04	1.31e-05	0.0
372	70	3.01e-04	3.35e-03	-0.05	-1.62e-04	1.62e-05	0.0
372	72	2.64e-04	2.88e-03	-0.05	-1.40e-04	1.42e-05	0.0
373	2	2.16e-04	5.61e-03	-0.08	-2.69e-04	1.95e-05	0.0
373	17	2.70e-03	4.13e-03	-0.06	-1.68e-04	1.97e-05	0.0
373	31	-3.10e-04	5.94e-03	-0.06	-1.84e-04	9.25e-06	0.0
373	35	-3.53e-04	5.93e-03	-0.06	-1.84e-04	8.55e-06	0.0
373	49	4.21e-03	4.53e-03	-0.06	-1.70e-04	2.37e-05	0.0
373	63	-5.83e-04	7.42e-03	-0.06	-1.94e-04	7.15e-06	0.0
373	67	-6.51e-04	7.39e-03	-0.06	-1.95e-04	6.03e-06	0.0
373	70	1.64e-04	4.19e-03	-0.06	-2.01e-04	1.47e-05	0.0
373	72	1.55e-04	3.59e-03	-0.06	-1.72e-04	1.32e-05	0.0
374	2	1.01e-03	6.28e-03	-0.10	-2.98e-04	5.38e-05	0.0
374	17	3.22e-03	4.72e-03	-0.07	-1.89e-04	4.43e-05	0.0
374	33	1.74e-03	6.56e-03	-0.07	-2.10e-04	3.92e-05	0.0
374	35	2.57e-04	6.50e-03	-0.07	-2.11e-04	3.33e-05	0.0
374	49	4.75e-03	5.25e-03	-0.07	-1.94e-04	5.06e-05	0.0
374	65	2.40e-03	8.17e-03	-0.07	-2.27e-04	4.24e-05	0.0
374	67	3.55e-05	8.09e-03	-0.07	-2.28e-04	3.30e-05	0.0
374	70	7.58e-04	4.69e-03	-0.07	-2.23e-04	4.03e-05	0.0
374	72	6.59e-04	3.99e-03	-0.07	-1.90e-04	3.50e-05	0.0
375	2	2.81e-04	-5.85e-03	-0.09	2.84e-04	1.60e-05	0.0
375	10	2.84e-03	-4.41e-03	-0.06	1.80e-04	2.15e-05	0.0
375	32	-2.96e-04	-6.09e-03	-0.06	1.97e-04	8.19e-06	0.0
375	36	-2.46e-04	-6.14e-03	-0.06	1.96e-04	9.20e-06	0.0
375	42	4.40e-03	-4.90e-03	-0.06	1.83e-04	2.81e-05	0.0
375	64	-5.78e-04	-7.56e-03	-0.06	2.10e-04	6.97e-06	0.0
375	68	-4.98e-04	-7.64e-03	-0.06	2.09e-04	8.57e-06	0.0



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375	70	2.11e-04	-4.37e-03	-0.07	2.13e-04	1.20e-05	0.0
375	72	1.88e-04	-3.75e-03	-0.06	1.82e-04	1.06e-05	0.0
376	2	2.69e-04	-4.94e-03	-0.07	2.39e-04	1.42e-05	0.0
376	10	2.64e-03	-3.82e-03	-0.05	1.50e-04	1.39e-05	0.0
376	32	-3.00e-04	-5.39e-03	-0.05	1.61e-04	8.32e-06	0.0
376	36	-2.69e-04	-5.44e-03	-0.05	1.60e-04	8.75e-06	0.0
376	42	4.10e-03	-4.28e-03	-0.05	1.52e-04	1.69e-05	0.0
376	64	-5.78e-04	-6.77e-03	-0.05	1.68e-04	7.93e-06	0.0
376	68	-5.28e-04	-6.85e-03	-0.05	1.68e-04	8.63e-06	0.0
376	70	2.02e-04	-3.69e-03	-0.06	1.78e-04	1.06e-05	0.0
376	72	1.76e-04	-3.17e-03	-0.05	1.53e-04	9.30e-06	0.0
377	2	2.18e-04	-3.89e-03	-0.06	1.89e-04	1.16e-05	0.0
377	10	2.55e-03	-3.15e-03	-0.05	1.18e-04	1.07e-05	0.0
377	32	-3.72e-04	-4.63e-03	-0.05	1.25e-04	6.92e-06	0.0
377	36	-3.49e-04	-4.68e-03	-0.05	1.25e-04	7.21e-06	0.0
377	42	3.97e-03	-3.59e-03	-0.05	1.19e-04	1.27e-05	0.0
377	64	-6.73e-04	-5.95e-03	-0.05	1.30e-04	6.67e-06	0.0
377	68	-6.36e-04	-6.03e-03	-0.05	1.30e-04	7.13e-06	0.0
377	70	1.64e-04	-2.90e-03	-0.05	1.41e-04	8.71e-06	0.0
377	72	1.43e-04	-2.50e-03	-0.05	1.22e-04	7.63e-06	0.0
378	2	1.81e-04	-2.82e-03	-0.06	1.38e-04	9.66e-06	0.0
378	10	2.47e-03	-2.48e-03	-0.04	8.61e-05	8.21e-06	0.0
378	32	-4.37e-04	-3.91e-03	-0.04	9.03e-05	5.86e-06	0.0
378	36	-4.22e-04	-3.96e-03	-0.04	9.02e-05	6.03e-06	0.0
378	42	3.87e-03	-2.91e-03	-0.04	8.66e-05	9.45e-06	0.0
378	64	-7.63e-04	-5.19e-03	-0.04	9.33e-05	5.70e-06	0.0
378	68	-7.38e-04	-5.27e-03	-0.04	9.31e-05	5.97e-06	0.0
378	70	1.35e-04	-2.11e-03	-0.04	1.03e-04	7.25e-06	0.0
378	72	1.18e-04	-1.82e-03	-0.04	8.89e-05	6.35e-06	0.0
379	2	1.53e-04	-1.77e-03	-0.05	8.65e-05	8.26e-06	0.0
379	10	2.42e-03	-1.82e-03	-0.04	5.40e-05	6.61e-06	0.0
379	32	-5.00e-04	-3.21e-03	-0.04	5.65e-05	5.03e-06	0.0
379	36	-4.91e-04	-3.26e-03	-0.04	5.64e-05	5.12e-06	0.0
379	42	3.78e-03	-2.24e-03	-0.04	5.42e-05	7.41e-06	0.0
379	64	-8.53e-04	-4.46e-03	-0.04	5.82e-05	4.91e-06	0.0
379	68	-8.38e-04	-4.54e-03	-0.04	5.81e-05	5.05e-06	0.0
379	70	1.15e-04	-1.32e-03	-0.04	6.46e-05	6.20e-06	0.0
379	72	1.00e-04	-1.14e-03	-0.04	5.58e-05	5.44e-06	0.0
380	2	1.38e-04	-7.21e-04	-0.05	3.55e-05	7.49e-06	0.0
380	10	2.37e-03	-1.17e-03	-0.04	2.23e-05	5.72e-06	0.0
380	12	-2.18e-03	-9.98e-04	-0.04	2.28e-05	3.83e-06	0.0
380	36	-5.56e-04	-2.59e-03	-0.04	2.38e-05	4.57e-06	0.0
380	42	3.72e-03	-1.59e-03	-0.04	2.24e-05	6.29e-06	0.0
380	44	-3.51e-03	-1.32e-03	-0.04	2.33e-05	3.28e-06	0.0
380	68	-9.35e-04	-3.85e-03	-0.04	2.48e-05	4.46e-06	0.0
380	70	1.03e-04	-5.39e-04	-0.04	2.65e-05	5.62e-06	0.0
380	72	9.02e-05	-4.65e-04	-0.04	2.29e-05	4.93e-06	0.0
381	2	1.34e-04	3.17e-04	-0.05	-1.52e-05	7.36e-06	0.0
381	17	2.36e-03	9.14e-04	-0.03	-9.72e-06	5.57e-06	0.0
381	19	-2.18e-03	7.48e-04	-0.04	-1.01e-05	3.80e-06	0.0
381	31	-5.78e-04	2.34e-03	-0.04	-1.10e-05	4.46e-06	0.0
381	49	3.71e-03	1.34e-03	-0.03	-9.88e-06	6.09e-06	0.0
381	51	-3.52e-03	1.07e-03	-0.04	-1.05e-05	3.29e-06	0.0
381	63	-9.69e-04	3.60e-03	-0.04	-1.19e-05	4.33e-06	0.0
381	70	1.01e-04	2.37e-04	-0.04	-1.14e-05	5.53e-06	0.0
381	72	8.80e-05	2.05e-04	-0.04	-9.84e-06	4.85e-06	0.0
382	2	1.43e-04	1.36e-03	-0.05	-6.61e-05	7.90e-06	0.0
382	17	2.40e-03	1.56e-03	-0.04	-4.13e-05	6.21e-06	0.0
382	19	-2.18e-03	1.40e-03	-0.04	-4.20e-05	3.90e-06	0.0
382	31	-5.17e-04	3.00e-03	-0.04	-4.32e-05	4.87e-06	0.0
382	49	3.76e-03	1.98e-03	-0.04	-4.14e-05	6.92e-06	0.0
382	51	-3.51e-03	1.73e-03	-0.04	-4.26e-05	3.24e-06	0.0
382	63	-8.76e-04	4.27e-03	-0.04	-4.45e-05	4.79e-06	0.0
382	70	1.08e-04	1.02e-03	-0.04	-4.94e-05	5.93e-06	0.0
382	72	9.40e-05	8.76e-04	-0.04	-4.27e-05	5.20e-06	0.0
383	2	1.64e-04	2.41e-03	-0.05	-1.17e-04	9.06e-06	0.0
383	17	2.45e-03	2.22e-03	-0.04	-7.32e-05	7.55e-06	0.0
383	31	-4.51e-04	3.68e-03	-0.04	-7.66e-05	5.64e-06	0.0
383	35	-4.66e-04	3.63e-03	-0.04	-7.66e-05	5.50e-06	0.0
383	49	3.84e-03	2.65e-03	-0.04	-7.36e-05	8.62e-06	0.0
383	63	-7.78e-04	4.98e-03	-0.04	-7.89e-05	5.58e-06	0.0
383	67	-8.02e-04	4.90e-03	-0.04	-7.90e-05	5.36e-06	0.0
383	70	1.23e-04	1.80e-03	-0.04	-8.76e-05	6.80e-06	0.0
383	72	1.08e-04	1.55e-03	-0.04	-7.56e-05	5.96e-06	0.0
384	2	1.96e-04	3.47e-03	-0.06	-1.68e-04	1.08e-05	0.0
384	17	2.52e-03	2.89e-03	-0.04	-1.05e-04	9.69e-06	0.0



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384	31	-3.81e-04	4.40e-03	-0.04	-1.11e-04	6.72e-06	0.0
384	35	-4.03e-04	4.35e-03	-0.04	-1.11e-04	6.48e-06	0.0
384	49	3.93e-03	3.32e-03	-0.04	-1.06e-04	1.14e-05	0.0
384	63	-6.79e-04	5.72e-03	-0.04	-1.15e-04	6.66e-06	0.0
384	67	-7.14e-04	5.64e-03	-0.04	-1.15e-04	6.27e-06	0.0
384	70	1.47e-04	2.59e-03	-0.05	-1.26e-04	8.10e-06	0.0
384	72	1.29e-04	2.24e-03	-0.04	-1.09e-04	7.09e-06	0.0
385	2	2.37e-04	4.53e-03	-0.07	-2.19e-04	1.30e-05	0.0
385	17	2.61e-03	3.56e-03	-0.05	-1.38e-04	1.27e-05	0.0
385	31	-3.06e-04	5.14e-03	-0.05	-1.46e-04	8.02e-06	0.0
385	35	-3.37e-04	5.09e-03	-0.05	-1.46e-04	7.63e-06	0.0
385	49	4.05e-03	4.02e-03	-0.05	-1.39e-04	1.53e-05	0.0
385	63	-5.76e-04	6.53e-03	-0.05	-1.53e-04	7.90e-06	0.0
385	67	-6.24e-04	6.45e-03	-0.05	-1.53e-04	7.27e-06	0.0
385	70	1.78e-04	3.39e-03	-0.05	-1.64e-04	9.76e-06	0.0
385	72	1.56e-04	2.91e-03	-0.05	-1.41e-04	8.54e-06	0.0
386	2	2.23e-04	5.51e-03	-0.08	-2.67e-04	1.38e-05	0.0
386	17	2.73e-03	4.18e-03	-0.06	-1.68e-04	1.71e-05	0.0
386	31	-2.90e-04	5.85e-03	-0.06	-1.81e-04	8.41e-06	0.0
386	35	-3.35e-04	5.80e-03	-0.06	-1.81e-04	7.68e-06	0.0
386	49	4.25e-03	4.65e-03	-0.06	-1.70e-04	2.19e-05	0.0
386	63	-5.47e-04	7.30e-03	-0.06	-1.91e-04	8.12e-06	0.0
386	67	-6.19e-04	7.22e-03	-0.06	-1.91e-04	6.96e-06	0.0
386	70	1.68e-04	4.12e-03	-0.06	-1.99e-04	1.04e-05	0.0
386	72	1.50e-04	3.53e-03	-0.06	-1.71e-04	9.20e-06	0.0
387	2	-4.81e-04	-6.10e-03	-0.10	2.92e-04	-2.53e-05	0.0
387	11	-2.86e-03	-2.86e-03	-0.07	1.71e-04	-2.35e-05	0.0
387	34	7.13e-04	-6.33e-03	-0.07	2.05e-04	-1.62e-05	0.0
387	36	-6.83e-04	-6.38e-03	-0.07	2.05e-04	-1.97e-05	0.0
387	43	-4.37e-03	-2.36e-03	-0.06	1.67e-04	-2.81e-05	0.0
387	66	1.31e-03	-7.87e-03	-0.07	2.20e-04	-1.65e-05	0.0
387	68	-9.09e-04	-7.95e-03	-0.07	2.21e-04	-2.21e-05	0.0
387	70	-3.60e-04	-4.55e-03	-0.07	2.18e-04	-1.90e-05	0.0
387	72	-3.11e-04	-3.88e-03	-0.07	1.86e-04	-1.63e-05	0.0
388	2	6.63e-05	-6.09e-03	-0.09	2.89e-04	-3.48e-06	0.0
388	10	2.62e-03	-4.60e-03	-0.06	1.85e-04	6.17e-06	0.0
388	30	1.12e-03	-6.30e-03	-0.06	2.00e-04	1.38e-06	0.0
388	32	-3.76e-04	-6.24e-03	-0.06	2.00e-04	-3.56e-06	0.0
388	42	4.15e-03	-5.11e-03	-0.06	1.90e-04	1.13e-05	0.0
388	62	1.76e-03	-7.82e-03	-0.06	2.14e-04	3.68e-06	0.0
388	64	-6.17e-04	-7.72e-03	-0.06	2.13e-04	-4.19e-06	0.0
388	70	4.82e-05	-4.55e-03	-0.07	2.16e-04	-2.65e-06	0.0
388	72	3.43e-05	-3.89e-03	-0.06	1.85e-04	-2.53e-06	0.0
389	2	-7.05e-05	-4.90e-03	-0.07	2.37e-04	-2.99e-06	0.0
389	11	-2.52e-03	-2.23e-03	-0.05	1.42e-04	-6.69e-06	0.0
389	30	9.27e-04	-5.38e-03	-0.05	1.59e-04	0.0	0.0
389	32	-5.11e-04	-5.33e-03	-0.05	1.59e-04	-2.54e-06	0.0
389	43	-3.98e-03	-1.77e-03	-0.05	1.40e-04	-9.49e-06	0.0
389	62	1.50e-03	-6.77e-03	-0.05	1.67e-04	1.42e-06	0.0
389	64	-7.85e-04	-6.69e-03	-0.05	1.67e-04	-2.89e-06	0.0
389	70	-5.31e-05	-3.66e-03	-0.06	1.77e-04	-2.25e-06	0.0
389	72	-4.72e-05	-3.15e-03	-0.05	1.53e-04	-2.01e-06	0.0
390	2	4.79e-06	-3.87e-03	-0.06	1.88e-04	1.19e-06	0.0
390	10	2.41e-03	-3.14e-03	-0.05	1.19e-04	3.93e-06	0.0
390	30	9.11e-04	-4.65e-03	-0.05	1.25e-04	2.24e-06	0.0
390	32	-5.00e-04	-4.60e-03	-0.05	1.25e-04	0.0	0.0
390	42	3.84e-03	-3.59e-03	-0.05	1.21e-04	5.84e-06	0.0
390	62	1.45e-03	-5.98e-03	-0.05	1.29e-04	3.14e-06	0.0
390	64	-7.96e-04	-5.91e-03	-0.05	1.29e-04	0.0	0.0
390	70	3.43e-06	-2.89e-03	-0.05	1.41e-04	0.0	0.0
390	72	2.52e-06	-2.49e-03	-0.05	1.21e-04	0.0	0.0
391	2	4.81e-05	-2.82e-03	-0.06	1.38e-04	3.27e-06	0.0
391	10	2.39e-03	-2.47e-03	-0.04	8.67e-05	4.09e-06	0.0
391	32	-5.18e-04	-3.89e-03	-0.04	9.03e-05	1.82e-06	0.0
391	36	-5.03e-04	-3.94e-03	-0.04	9.02e-05	1.98e-06	0.0
391	42	3.78e-03	-2.91e-03	-0.04	8.74e-05	5.30e-06	0.0
391	64	-8.41e-04	-5.15e-03	-0.04	9.31e-05	1.69e-06	0.0
391	68	-8.17e-04	-5.23e-03	-0.04	9.31e-05	1.94e-06	0.0
391	70	3.59e-05	-2.11e-03	-0.04	1.03e-04	2.45e-06	0.0
391	72	3.09e-05	-1.82e-03	-0.04	8.89e-05	2.12e-06	0.0
392	2	6.70e-05	-1.77e-03	-0.05	8.66e-05	4.14e-06	0.0
392	10	2.36e-03	-1.81e-03	-0.04	5.44e-05	3.95e-06	0.0
392	32	-5.54e-04	-3.19e-03	-0.04	5.66e-05	2.40e-06	0.0
392	36	-5.45e-04	-3.24e-03	-0.04	5.65e-05	2.49e-06	0.0
392	42	3.73e-03	-2.23e-03	-0.04	5.48e-05	4.76e-06	0.0
392	64	-9.05e-04	-4.43e-03	-0.04	5.82e-05	2.29e-06	0.0



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392	68	-8.90e-04	-4.51e-03	-0.04	5.82e-05	2.43e-06	0.0
392	70	5.01e-05	-1.32e-03	-0.04	6.48e-05	3.10e-06	0.0
392	72	4.34e-05	-1.14e-03	-0.04	5.59e-05	2.69e-06	0.0
393	2	7.36e-05	-7.22e-04	-0.05	3.56e-05	4.43e-06	0.0
393	10	2.33e-03	-1.16e-03	-0.04	2.25e-05	3.77e-06	0.0
393	12	-2.22e-03	-9.95e-04	-0.04	2.27e-05	1.85e-06	0.0
393	30	7.67e-04	-2.57e-03	-0.04	2.38e-05	3.15e-06	0.0
393	42	3.68e-03	-1.58e-03	-0.04	2.27e-05	4.35e-06	0.0
393	44	-3.56e-03	-1.32e-03	-0.04	2.31e-05	1.30e-06	0.0
393	62	1.19e-03	-3.82e-03	-0.04	2.48e-05	3.36e-06	0.0
393	70	5.50e-05	-5.40e-04	-0.04	2.66e-05	3.32e-06	0.0
393	72	4.77e-05	-4.66e-04	-0.04	2.30e-05	2.89e-06	0.0
394	2	7.39e-05	3.19e-04	-0.05	-1.53e-05	4.49e-06	0.0
394	17	2.33e-03	9.06e-04	-0.04	-9.86e-06	3.73e-06	0.0
394	19	-2.22e-03	7.46e-04	-0.04	-1.01e-05	1.93e-06	0.0
394	31	-6.17e-04	2.32e-03	-0.04	-1.11e-05	2.60e-06	0.0
394	49	3.67e-03	1.32e-03	-0.04	-1.01e-05	4.26e-06	0.0
394	51	-3.56e-03	1.07e-03	-0.04	-1.04e-05	1.41e-06	0.0
394	63	-1.01e-03	3.57e-03	-0.04	-1.20e-05	2.47e-06	0.0
394	70	5.53e-05	2.38e-04	-0.04	-1.14e-05	3.36e-06	0.0
394	72	4.79e-05	2.06e-04	-0.04	-9.87e-06	2.93e-06	0.0
395	2	6.90e-05	1.36e-03	-0.05	-6.62e-05	4.35e-06	0.0
395	17	2.35e-03	1.56e-03	-0.04	-4.16e-05	3.93e-06	0.0
395	31	-5.64e-04	2.98e-03	-0.04	-4.34e-05	2.60e-06	0.0
395	35	-5.73e-04	2.93e-03	-0.04	-4.34e-05	2.53e-06	0.0
395	49	3.72e-03	1.98e-03	-0.04	-4.19e-05	4.64e-06	0.0
395	63	-9.22e-04	4.24e-03	-0.04	-4.47e-05	2.52e-06	0.0
395	67	-9.36e-04	4.16e-03	-0.04	-4.47e-05	2.41e-06	0.0
395	70	5.16e-05	1.02e-03	-0.04	-4.95e-05	3.26e-06	0.0
395	72	4.47e-05	8.78e-04	-0.04	-4.28e-05	2.83e-06	0.0
396	2	5.51e-05	2.41e-03	-0.05	-1.17e-04	3.82e-06	0.0
396	17	2.38e-03	2.21e-03	-0.04	-7.37e-05	4.16e-06	0.0
396	31	-5.18e-04	3.66e-03	-0.04	-7.66e-05	2.31e-06	0.0
396	35	-5.33e-04	3.61e-03	-0.04	-7.66e-05	2.18e-06	0.0
396	49	3.77e-03	2.64e-03	-0.04	-7.43e-05	5.21e-06	0.0
396	63	-8.44e-04	4.94e-03	-0.04	-7.89e-05	2.27e-06	0.0
396	67	-8.67e-04	4.87e-03	-0.04	-7.90e-05	2.05e-06	0.0
396	70	4.12e-05	1.80e-03	-0.04	-8.77e-05	2.86e-06	0.0
396	72	3.56e-05	1.55e-03	-0.04	-7.57e-05	2.48e-06	0.0
397	2	2.44e-05	3.46e-03	-0.06	-1.68e-04	2.45e-06	0.0
397	17	2.41e-03	2.88e-03	-0.04	-1.06e-04	4.28e-06	0.0
397	31	-4.84e-04	4.37e-03	-0.04	-1.11e-04	1.46e-06	0.0
397	35	-5.06e-04	4.32e-03	-0.04	-1.11e-04	1.23e-06	0.0
397	49	3.82e-03	3.32e-03	-0.04	-1.07e-04	5.92e-06	0.0
397	63	-7.79e-04	5.69e-03	-0.04	-1.15e-04	1.44e-06	0.0
397	67	-8.13e-04	5.61e-03	-0.04	-1.15e-04	1.07e-06	0.0
397	70	1.81e-05	2.59e-03	-0.05	-1.26e-04	1.83e-06	0.0
397	72	1.54e-05	2.23e-03	-0.04	-1.08e-04	1.58e-06	0.0
398	2	-2.21e-05	4.51e-03	-0.07	-2.18e-04	0.0	0.0
398	20	-2.47e-03	2.01e-03	-0.05	-1.31e-04	-4.27e-06	0.0
398	33	9.33e-04	5.10e-03	-0.05	-1.45e-04	1.73e-06	0.0
398	35	-4.96e-04	5.05e-03	-0.05	-1.45e-04	0.0	0.0
398	52	-3.91e-03	1.56e-03	-0.05	-1.29e-04	-6.70e-06	0.0
398	65	1.49e-03	6.46e-03	-0.05	-1.52e-04	2.84e-06	0.0
398	67	-7.80e-04	6.39e-03	-0.05	-1.51e-04	0.0	0.0
398	70	-1.68e-05	3.37e-03	-0.05	-1.63e-04	0.0	0.0
398	72	-1.55e-05	2.90e-03	-0.05	-1.40e-04	0.0	0.0
399	2	1.77e-04	5.68e-03	-0.08	-2.71e-04	3.36e-06	0.0
399	17	2.66e-03	4.32e-03	-0.06	-1.73e-04	9.16e-06	0.0
399	33	1.16e-03	5.96e-03	-0.06	-1.85e-04	5.50e-06	0.0
399	35	-3.16e-04	5.91e-03	-0.06	-1.85e-04	1.36e-06	0.0
399	49	4.17e-03	4.81e-03	-0.06	-1.77e-04	1.35e-05	0.0
399	65	1.79e-03	7.43e-03	-0.06	-1.96e-04	7.71e-06	0.0
399	67	-5.62e-04	7.33e-03	-0.06	-1.95e-04	1.13e-06	0.0
399	70	1.31e-04	4.24e-03	-0.06	-2.03e-04	2.47e-06	0.0
399	72	1.07e-04	3.64e-03	-0.06	-1.74e-04	1.90e-06	0.0
400	2	-5.21e-04	6.16e-03	-0.10	-2.93e-04	-2.61e-05	0.0
400	20	-2.87e-03	2.90e-03	-0.07	-1.72e-04	-2.36e-05	0.0
400	29	6.80e-04	6.37e-03	-0.07	-2.06e-04	-1.69e-05	0.0
400	31	-7.07e-04	6.42e-03	-0.07	-2.06e-04	-2.03e-05	0.0
400	52	-4.38e-03	2.40e-03	-0.06	-1.68e-04	-2.81e-05	0.0
400	61	1.27e-03	7.91e-03	-0.07	-2.22e-04	-1.74e-05	0.0
400	63	-9.34e-04	8.00e-03	-0.07	-2.22e-04	-2.28e-05	0.0
400	70	-3.90e-04	4.60e-03	-0.07	-2.19e-04	-1.95e-05	0.0
400	72	-3.36e-04	3.92e-03	-0.07	-1.87e-04	-1.68e-05	0.0
401	2	-1.10e-03	-5.29e-03	-0.09	2.58e-04	-5.74e-05	0.0



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401	11	-3.15e-03	-2.42e-03	-0.06	1.51e-04	-3.73e-05	0.0
401	30	3.21e-04	-5.70e-03	-0.07	1.78e-04	-3.88e-05	0.0
401	43	-4.61e-03	-1.94e-03	-0.06	1.47e-04	-3.83e-05	0.0
401	62	9.14e-04	-7.15e-03	-0.07	1.90e-04	-4.06e-05	0.0
401	70	-8.23e-04	-3.95e-03	-0.07	1.93e-04	-4.29e-05	0.0
401	72	-7.12e-04	-3.38e-03	-0.07	1.65e-04	-3.71e-05	0.0
402	2	-8.57e-04	-5.16e-03	-0.09	2.52e-04	-4.43e-05	0.0
402	11	-2.98e-03	-2.36e-03	-0.06	1.48e-04	-2.94e-05	0.0
402	30	4.56e-04	-5.59e-03	-0.06	1.73e-04	-2.91e-05	0.0
402	43	-4.43e-03	-1.88e-03	-0.06	1.44e-04	-3.04e-05	0.0
402	62	1.04e-03	-7.02e-03	-0.06	1.84e-04	-2.99e-05	0.0
402	70	-6.42e-04	-3.86e-03	-0.06	1.88e-04	-3.32e-05	0.0
402	72	-5.58e-04	-3.31e-03	-0.06	1.62e-04	-2.88e-05	0.0
403	2	-5.07e-04	-4.57e-03	-0.07	2.24e-04	-2.46e-05	0.0
403	11	-2.75e-03	-2.02e-03	-0.05	1.32e-04	-1.82e-05	0.0
403	30	6.44e-04	-5.14e-03	-0.05	1.51e-04	-1.41e-05	0.0
403	43	-4.18e-03	-1.56e-03	-0.05	1.29e-04	-1.97e-05	0.0
403	62	1.21e-03	-6.52e-03	-0.05	1.59e-04	-1.32e-05	0.0
403	70	-3.80e-04	-3.41e-03	-0.06	1.67e-04	-1.85e-05	0.0
403	72	-3.32e-04	-2.93e-03	-0.05	1.44e-04	-1.62e-05	0.0
404	2	-2.66e-04	-3.71e-03	-0.06	1.82e-04	-1.21e-05	0.0
404	11	-2.56e-03	-1.54e-03	-0.05	1.09e-04	-9.83e-06	0.0
404	30	7.36e-04	-4.52e-03	-0.05	1.21e-04	-6.44e-06	0.0
404	43	-3.97e-03	-1.10e-03	-0.05	1.07e-04	-1.11e-05	0.0
404	62	1.27e-03	-5.83e-03	-0.05	1.26e-04	-5.66e-06	0.0
404	70	-2.00e-04	-2.77e-03	-0.05	1.36e-04	-9.10e-06	0.0
404	72	-1.76e-04	-2.39e-03	-0.05	1.17e-04	-8.02e-06	0.0
405	2	-1.26e-04	-2.74e-03	-0.06	1.34e-04	-5.16e-06	0.0
405	11	-2.43e-03	-9.69e-04	-0.04	8.12e-05	-4.86e-06	0.0
405	30	7.62e-04	-3.85e-03	-0.04	8.84e-05	-2.43e-06	0.0
405	32	-6.22e-04	-3.80e-03	-0.04	8.81e-05	-3.24e-06	0.0
405	43	-3.82e-03	-5.43e-04	-0.04	8.00e-05	-5.74e-06	0.0
405	62	1.26e-03	-5.13e-03	-0.04	9.14e-05	-1.89e-06	0.0
405	64	-9.41e-04	-5.05e-03	-0.04	9.09e-05	-3.18e-06	0.0
405	70	-9.45e-05	-2.05e-03	-0.04	1.00e-04	-3.89e-06	0.0
405	72	-8.37e-05	-1.76e-03	-0.04	8.67e-05	-3.46e-06	0.0
406	2	-4.97e-05	-1.73e-03	-0.05	8.50e-05	-1.49e-06	0.0
406	11	-2.35e-03	-3.63e-04	-0.04	5.16e-05	-2.09e-06	0.0
406	30	7.49e-04	-3.18e-03	-0.04	5.57e-05	0.0	0.0
406	32	-6.24e-04	-3.14e-03	-0.04	5.56e-05	-1.01e-06	0.0
406	43	-3.72e-03	5.31e-05	-0.04	5.09e-05	-2.73e-06	0.0
406	62	1.21e-03	-4.43e-03	-0.04	5.75e-05	0.0	0.0
406	64	-9.73e-04	-4.36e-03	-0.04	5.72e-05	-1.00e-06	0.0
406	70	-3.75e-05	-1.29e-03	-0.04	6.36e-05	-1.13e-06	0.0
406	72	-3.39e-05	-1.11e-03	-0.04	5.49e-05	-1.04e-06	0.0
407	2	-1.52e-05	-7.08e-04	-0.05	3.50e-05	0.0	0.0
407	11	-2.30e-03	2.59e-04	-0.04	2.11e-05	0.0	0.0
407	30	7.10e-04	-2.53e-03	-0.04	2.36e-05	0.0	0.0
407	32	-6.54e-04	-2.48e-03	-0.04	2.36e-05	0.0	0.0
407	43	-3.65e-03	6.70e-04	-0.04	2.07e-05	-1.24e-06	0.0
407	62	1.14e-03	-3.76e-03	-0.04	2.48e-05	0.0	0.0
407	64	-1.03e-03	-3.69e-03	-0.04	2.47e-05	0.0	0.0
407	70	-1.16e-05	-5.29e-04	-0.04	2.62e-05	0.0	0.0
407	72	-1.12e-05	-4.56e-04	-0.04	2.26e-05	0.0	0.0
408	1	-1.03e-05	2.54e-04	-0.05	-1.22e-05	0.0	0.0
408	2	-1.03e-05	3.14e-04	-0.05	-1.51e-05	0.0	0.0
408	19	-2.28e-03	7.39e-04	-0.04	-9.81e-06	0.0	0.0
408	20	-2.29e-03	-4.99e-04	-0.04	-8.77e-06	0.0	0.0
408	31	-6.70e-04	2.28e-03	-0.04	-1.11e-05	0.0	0.0
408	51	-3.61e-03	1.06e-03	-0.04	-1.01e-05	0.0	0.0
408	52	-3.63e-03	-9.08e-04	-0.04	-8.43e-06	0.0	0.0
408	63	-1.06e-03	3.51e-03	-0.04	-1.21e-05	0.0	0.0
408	69	-8.01e-06	1.95e-04	-0.04	-9.35e-06	0.0	0.0
408	70	-8.00e-06	2.35e-04	-0.04	-1.13e-05	0.0	0.0
408	71	-8.01e-06	1.95e-04	-0.04	-9.35e-06	0.0	0.0
408	72	-8.01e-06	2.03e-04	-0.04	-9.74e-06	0.0	0.0
409	2	-3.31e-05	1.34e-03	-0.05	-6.51e-05	0.0	0.0
409	20	-2.33e-03	1.27e-04	-0.04	-3.95e-05	-1.39e-06	0.0
409	33	7.37e-04	2.93e-03	-0.04	-4.28e-05	0.0	0.0
409	35	-6.35e-04	2.88e-03	-0.04	-4.27e-05	0.0	0.0
409	52	-3.69e-03	-2.86e-04	-0.04	-3.89e-05	-1.95e-06	0.0
409	65	1.18e-03	4.17e-03	-0.04	-4.43e-05	0.0	0.0
409	67	-9.96e-04	4.09e-03	-0.04	-4.41e-05	0.0	0.0
409	70	-2.51e-05	9.99e-04	-0.04	-4.87e-05	0.0	0.0
409	72	-2.30e-05	8.61e-04	-0.04	-4.20e-05	0.0	0.0
410	2	-9.10e-05	2.35e-03	-0.05	-1.15e-04	-3.25e-06	0.0



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410	20	-2.40e-03	7.41e-04	-0.04	-6.95e-05	-3.48e-06	0.0
410	33	7.61e-04	3.59e-03	-0.04	-7.53e-05	-1.35e-06	0.0
410	35	-6.20e-04	3.54e-03	-0.04	-7.51e-05	-2.07e-06	0.0
410	52	-3.78e-03	3.20e-04	-0.04	-6.85e-05	-4.26e-06	0.0
410	65	1.24e-03	4.85e-03	-0.04	-7.78e-05	0.0	0.0
410	67	-9.51e-04	4.78e-03	-0.04	-7.74e-05	-2.03e-06	0.0
410	70	-6.85e-05	1.76e-03	-0.04	-8.59e-05	-2.45e-06	0.0
410	72	-6.09e-05	1.51e-03	-0.04	-7.41e-05	-2.21e-06	0.0
411	2	-2.02e-04	3.34e-03	-0.06	-1.63e-04	-8.62e-06	0.0
411	20	-2.51e-03	1.33e-03	-0.04	-9.81e-05	-7.40e-06	0.0
411	33	7.53e-04	4.26e-03	-0.04	-1.08e-04	-4.37e-06	0.0
411	52	-3.91e-03	8.93e-04	-0.04	-9.64e-05	-8.50e-06	0.0
411	65	1.27e-03	5.56e-03	-0.04	-1.12e-04	-3.68e-06	0.0
411	70	-1.52e-04	2.50e-03	-0.05	-1.22e-04	-6.48e-06	0.0
411	72	-1.33e-04	2.15e-03	-0.04	-1.05e-04	-5.73e-06	0.0
412	2	-3.96e-04	4.26e-03	-0.07	-2.08e-04	-1.86e-05	0.0
412	20	-2.67e-03	1.85e-03	-0.05	-1.24e-04	-1.42e-05	0.0
412	33	6.95e-04	4.91e-03	-0.05	-1.40e-04	-1.03e-05	0.0
412	52	-4.10e-03	1.40e-03	-0.05	-1.21e-04	-1.57e-05	0.0
412	65	1.25e-03	6.26e-03	-0.05	-1.46e-04	-9.42e-06	0.0
412	70	-2.97e-04	3.18e-03	-0.05	-1.55e-04	-1.40e-05	0.0
412	72	-2.60e-04	2.73e-03	-0.05	-1.34e-04	-1.22e-05	0.0
413	2	-7.10e-04	4.98e-03	-0.08	-2.43e-04	-3.57e-05	0.0
413	20	-2.89e-03	2.26e-03	-0.06	-1.43e-04	-2.44e-05	0.0
413	33	5.40e-04	5.45e-03	-0.06	-1.66e-04	-2.29e-05	0.0
413	52	-4.33e-03	1.79e-03	-0.06	-1.40e-04	-2.55e-05	0.0
413	65	1.12e-03	6.86e-03	-0.06	-1.76e-04	-2.31e-05	0.0
413	70	-5.32e-04	3.72e-03	-0.06	-1.81e-04	-2.68e-05	0.0
413	72	-4.63e-04	3.19e-03	-0.06	-1.56e-04	-2.33e-05	0.0
414	2	-1.13e-03	5.28e-03	-0.09	-2.57e-04	-5.76e-05	0.0
414	20	-3.17e-03	2.43e-03	-0.06	-1.51e-04	-3.74e-05	0.0
414	33	2.99e-04	5.69e-03	-0.07	-1.78e-04	-3.90e-05	0.0
414	52	-4.62e-03	1.95e-03	-0.06	-1.47e-04	-3.83e-05	0.0
414	65	8.89e-04	7.14e-03	-0.07	-1.90e-04	-4.10e-05	0.0
414	70	-8.47e-04	3.95e-03	-0.07	-1.92e-04	-4.31e-05	0.0
414	72	-7.31e-04	3.38e-03	-0.07	-1.65e-04	-3.73e-05	0.0
415	2	-1.11e-03	-4.79e-03	-0.09	2.36e-04	-5.65e-05	0.0
415	11	-3.08e-03	-2.15e-03	-0.06	1.39e-04	-3.30e-05	0.0
415	30	2.77e-04	-5.30e-03	-0.06	1.62e-04	-4.02e-05	0.0
415	43	-4.48e-03	-1.69e-03	-0.06	1.35e-04	-3.18e-05	0.0
415	62	8.46e-04	-6.69e-03	-0.07	1.72e-04	-4.31e-05	0.0
415	70	-8.28e-04	-3.58e-03	-0.07	1.76e-04	-4.23e-05	0.0
415	72	-7.17e-04	-3.07e-03	-0.06	1.51e-04	-3.66e-05	0.0
416	2	-9.03e-04	-4.66e-03	-0.08	2.30e-04	-4.56e-05	0.0
416	11	-2.95e-03	-2.08e-03	-0.06	1.35e-04	-2.72e-05	0.0
416	30	3.96e-04	-5.20e-03	-0.06	1.57e-04	-3.15e-05	0.0
416	43	-4.36e-03	-1.62e-03	-0.06	1.32e-04	-2.64e-05	0.0
416	62	9.63e-04	-6.57e-03	-0.06	1.67e-04	-3.33e-05	0.0
416	70	-6.77e-04	-3.48e-03	-0.06	1.72e-04	-3.42e-05	0.0
416	72	-5.88e-04	-2.99e-03	-0.06	1.48e-04	-2.97e-05	0.0
417	2	-5.84e-04	-4.20e-03	-0.07	2.07e-04	-2.86e-05	0.0
417	11	-2.74e-03	-1.82e-03	-0.05	1.23e-04	-1.83e-05	0.0
417	30	5.66e-04	-4.85e-03	-0.05	1.40e-04	-1.71e-05	0.0
417	43	-4.15e-03	-1.38e-03	-0.05	1.20e-04	-1.84e-05	0.0
417	62	1.12e-03	-6.19e-03	-0.05	1.47e-04	-1.65e-05	0.0
417	70	-4.38e-04	-3.14e-03	-0.05	1.55e-04	-2.14e-05	0.0
417	72	-3.82e-04	-2.70e-03	-0.05	1.33e-04	-1.87e-05	0.0
418	2	-3.43e-04	-3.48e-03	-0.06	1.72e-04	-1.61e-05	0.0
418	11	-2.58e-03	-1.41e-03	-0.04	1.02e-04	-1.08e-05	0.0
418	30	6.74e-04	-4.34e-03	-0.05	1.15e-04	-9.57e-06	0.0
418	43	-3.97e-03	-9.78e-04	-0.04	1.00e-04	-1.11e-05	0.0
418	62	1.20e-03	-5.63e-03	-0.05	1.20e-04	-9.15e-06	0.0
418	70	-2.58e-04	-2.60e-03	-0.05	1.28e-04	-1.21e-05	0.0
418	72	-2.26e-04	-2.24e-03	-0.05	1.11e-04	-1.06e-05	0.0
419	2	-1.87e-04	-2.61e-03	-0.05	1.29e-04	-8.29e-06	0.0
419	11	-2.46e-03	-9.00e-04	-0.04	7.73e-05	-5.96e-06	0.0
419	30	7.17e-04	-3.74e-03	-0.04	8.50e-05	-4.74e-06	0.0
419	43	-3.83e-03	-4.82e-04	-0.04	7.60e-05	-6.31e-06	0.0
419	62	1.21e-03	-4.99e-03	-0.04	8.82e-05	-4.37e-06	0.0
419	70	-1.41e-04	-1.95e-03	-0.04	9.62e-05	-6.24e-06	0.0
419	72	-1.25e-04	-1.68e-03	-0.04	8.29e-05	-5.54e-06	0.0
420	2	-9.79e-05	-1.66e-03	-0.05	8.21e-05	-3.89e-06	0.0
420	11	-2.37e-03	-3.34e-04	-0.04	4.95e-05	-3.12e-06	0.0
420	30	7.15e-04	-3.11e-03	-0.04	5.41e-05	-2.13e-06	0.0
420	43	-3.73e-03	7.39e-05	-0.04	4.87e-05	-3.44e-06	0.0
420	62	1.17e-03	-4.33e-03	-0.04	5.60e-05	-1.87e-06	0.0



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420	70	-7.38e-05	-1.24e-03	-0.04	6.14e-05	-2.94e-06	0.0
420	72	-6.59e-05	-1.07e-03	-0.04	5.29e-05	-2.65e-06	0.0
421	2	-5.55e-05	-6.82e-04	-0.05	3.39e-05	-1.83e-06	0.0
421	11	-2.32e-03	2.60e-04	-0.04	2.02e-05	-1.72e-06	0.0
421	30	6.83e-04	-2.48e-03	-0.04	2.31e-05	-1.01e-06	0.0
421	36	-6.76e-04	-2.48e-03	-0.04	2.31e-05	-1.25e-06	0.0
421	43	-3.66e-03	6.62e-04	-0.04	1.98e-05	-1.98e-06	0.0
421	62	1.11e-03	-3.69e-03	-0.04	2.44e-05	0.0	0.0
421	68	-1.05e-03	-3.69e-03	-0.04	2.42e-05	-1.25e-06	0.0
421	70	-4.20e-05	-5.10e-04	-0.04	2.54e-05	-1.39e-06	0.0
421	72	-3.81e-05	-4.39e-04	-0.04	2.19e-05	-1.29e-06	0.0
422	2	-4.95e-05	3.05e-04	-0.05	-1.47e-05	-1.49e-06	0.0
422	20	-2.31e-03	-4.89e-04	-0.04	-8.41e-06	-1.47e-06	0.0
422	31	-6.94e-04	2.24e-03	-0.04	-1.10e-05	-1.12e-06	0.0
422	52	-3.65e-03	-8.89e-04	-0.04	-8.01e-06	-1.71e-06	0.0
422	63	-1.08e-03	3.45e-03	-0.04	-1.21e-05	-1.15e-06	0.0
422	70	-3.75e-05	2.28e-04	-0.04	-1.10e-05	-1.13e-06	0.0
422	72	-3.41e-05	1.97e-04	-0.04	-9.46e-06	-1.07e-06	0.0
423	2	-7.78e-05	1.29e-03	-0.05	-6.31e-05	-2.78e-06	0.0
423	20	-2.35e-03	1.11e-04	-0.04	-3.80e-05	-2.37e-06	0.0
423	33	7.06e-04	2.87e-03	-0.04	-4.17e-05	-1.51e-06	0.0
423	52	-3.71e-03	-2.93e-04	-0.04	-3.73e-05	-2.66e-06	0.0
423	65	1.15e-03	4.09e-03	-0.04	-4.33e-05	-1.29e-06	0.0
423	70	-5.87e-05	9.63e-04	-0.04	-4.71e-05	-2.10e-06	0.0
423	72	-5.27e-05	8.30e-04	-0.04	-4.07e-05	-1.92e-06	0.0
424	2	-1.48e-04	2.25e-03	-0.05	-1.10e-04	-6.11e-06	0.0
424	20	-2.42e-03	6.91e-04	-0.04	-6.65e-05	-4.55e-06	0.0
424	33	7.20e-04	3.50e-03	-0.04	-7.28e-05	-3.43e-06	0.0
424	52	-3.80e-03	2.78e-04	-0.04	-6.53e-05	-4.89e-06	0.0
424	65	1.20e-03	4.74e-03	-0.04	-7.54e-05	-3.10e-06	0.0
424	70	-1.11e-04	1.68e-03	-0.04	-8.25e-05	-4.60e-06	0.0
424	72	-9.86e-05	1.45e-03	-0.04	-7.12e-05	-4.11e-06	0.0
425	2	-2.76e-04	3.16e-03	-0.06	-1.55e-04	-1.24e-05	0.0
425	20	-2.53e-03	1.23e-03	-0.04	-9.28e-05	-8.50e-06	0.0
425	33	6.97e-04	4.11e-03	-0.04	-1.03e-04	-7.27e-06	0.0
425	52	-3.92e-03	8.02e-04	-0.04	-9.10e-05	-8.83e-06	0.0
425	65	1.21e-03	5.38e-03	-0.04	-1.07e-04	-6.87e-06	0.0
425	70	-2.07e-04	2.36e-03	-0.05	-1.16e-04	-9.33e-06	0.0
425	72	-1.82e-04	2.03e-03	-0.04	-9.99e-05	-8.23e-06	0.0
426	2	-4.84e-04	3.95e-03	-0.07	-1.94e-04	-2.30e-05	0.0
426	20	-2.68e-03	1.68e-03	-0.05	-1.15e-04	-1.49e-05	0.0
426	33	6.15e-04	4.67e-03	-0.05	-1.31e-04	-1.38e-05	0.0
426	52	-4.08e-03	1.24e-03	-0.05	-1.13e-04	-1.52e-05	0.0
426	65	1.16e-03	5.98e-03	-0.05	-1.37e-04	-1.33e-05	0.0
426	70	-3.63e-04	2.95e-03	-0.05	-1.45e-04	-1.73e-05	0.0
426	72	-3.17e-04	2.53e-03	-0.05	-1.25e-04	-1.51e-05	0.0
427	2	-7.80e-04	4.52e-03	-0.08	-2.22e-04	-3.85e-05	0.0
427	20	-2.87e-03	2.01e-03	-0.05	-1.31e-04	-2.33e-05	0.0
427	33	4.64e-04	5.08e-03	-0.06	-1.51e-04	-2.62e-05	0.0
427	52	-4.28e-03	1.56e-03	-0.05	-1.28e-04	-2.27e-05	0.0
427	65	1.03e-03	6.45e-03	-0.06	-1.60e-04	-2.74e-05	0.0
427	70	-5.85e-04	3.37e-03	-0.06	-1.66e-04	-2.89e-05	0.0
427	72	-5.09e-04	2.90e-03	-0.06	-1.43e-04	-2.51e-05	0.0
428	2	-1.13e-03	4.78e-03	-0.09	-2.35e-04	-5.66e-05	0.0
428	20	-3.09e-03	2.15e-03	-0.06	-1.38e-04	-3.32e-05	0.0
428	33	2.65e-04	5.29e-03	-0.06	-1.61e-04	-4.02e-05	0.0
428	52	-4.50e-03	1.69e-03	-0.06	-1.34e-04	-3.20e-05	0.0
428	65	8.35e-04	6.69e-03	-0.07	-1.71e-04	-4.31e-05	0.0
428	70	-8.43e-04	3.57e-03	-0.07	-1.75e-04	-4.24e-05	0.0
428	72	-7.30e-04	3.06e-03	-0.06	-1.51e-04	-3.67e-05	0.0
429	2	-6.98e-04	-4.44e-03	-0.09	2.20e-04	-3.53e-05	0.0
429	11	-2.78e-03	-1.98e-03	-0.06	1.30e-04	-1.82e-05	0.0
429	30	5.20e-04	-5.00e-03	-0.06	1.50e-04	-2.71e-05	0.0
429	43	-4.17e-03	-1.54e-03	-0.06	1.27e-04	-1.59e-05	0.0
429	62	1.09e-03	-6.34e-03	-0.06	1.59e-04	-3.00e-05	0.0
429	70	-5.23e-04	-3.32e-03	-0.07	1.65e-04	-2.64e-05	0.0
429	72	-4.55e-04	-2.85e-03	-0.06	1.41e-04	-2.29e-05	0.0
430	2	-5.78e-04	-4.33e-03	-0.08	2.15e-04	-2.88e-05	0.0
430	11	-2.71e-03	-1.92e-03	-0.06	1.27e-04	-1.51e-05	0.0
430	30	5.83e-04	-4.91e-03	-0.06	1.46e-04	-2.17e-05	0.0
430	43	-4.10e-03	-1.48e-03	-0.06	1.24e-04	-1.33e-05	0.0
430	62	1.14e-03	-6.24e-03	-0.06	1.54e-04	-2.39e-05	0.0
430	70	-4.34e-04	-3.23e-03	-0.06	1.61e-04	-2.16e-05	0.0
430	72	-3.78e-04	-2.78e-03	-0.06	1.38e-04	-1.88e-05	0.0
431	2	-3.87e-04	-3.93e-03	-0.07	1.95e-04	-1.88e-05	0.0
431	11	-2.59e-03	-1.69e-03	-0.05	1.16e-04	-1.00e-05	0.0



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431	30	6.72e-04	-4.62e-03	-0.05	1.31e-04	-1.38e-05	0.0
431	43	-3.97e-03	-1.26e-03	-0.05	1.14e-04	-8.93e-06	0.0
431	62	1.21e-03	-5.92e-03	-0.05	1.38e-04	-1.50e-05	0.0
431	70	-2.91e-04	-2.93e-03	-0.05	1.46e-04	-1.41e-05	0.0
431	72	-2.55e-04	-2.52e-03	-0.05	1.25e-04	-1.24e-05	0.0
432	2	-2.36e-04	-3.29e-03	-0.06	1.63e-04	-1.10e-05	0.0
432	11	-2.49e-03	-1.32e-03	-0.04	9.76e-05	-6.45e-06	0.0
432	30	7.27e-04	-4.17e-03	-0.05	1.09e-04	-6.65e-06	0.0
432	43	-3.86e-03	-9.01e-04	-0.04	9.58e-05	-6.09e-06	0.0
432	62	1.25e-03	-5.43e-03	-0.05	1.14e-04	-6.41e-06	0.0
432	70	-1.77e-04	-2.46e-03	-0.05	1.22e-04	-8.25e-06	0.0
432	72	-1.56e-04	-2.11e-03	-0.05	1.05e-04	-7.30e-06	0.0
433	2	-1.32e-04	-2.49e-03	-0.05	1.24e-04	-5.75e-06	0.0
433	11	-2.41e-03	-8.47e-04	-0.04	7.43e-05	-3.53e-06	0.0
433	22	5.14e-04	-3.62e-03	-0.04	8.14e-05	-3.33e-06	0.0
433	30	7.44e-04	-3.62e-03	-0.04	8.18e-05	-3.52e-06	0.0
433	43	-3.77e-03	-4.40e-04	-0.04	7.30e-05	-3.40e-06	0.0
433	54	8.68e-04	-4.86e-03	-0.04	8.44e-05	-3.06e-06	0.0
433	62	1.23e-03	-4.86e-03	-0.04	8.49e-05	-3.38e-06	0.0
433	70	-9.93e-05	-1.86e-03	-0.04	9.23e-05	-4.33e-06	0.0
433	72	-8.86e-05	-1.60e-03	-0.04	7.96e-05	-3.89e-06	0.0
434	2	-6.99e-05	-1.60e-03	-0.05	7.94e-05	-2.69e-06	0.0
434	11	-2.35e-03	-3.12e-04	-0.04	4.78e-05	-1.81e-06	0.0
434	22	5.82e-04	-3.04e-03	-0.04	5.21e-05	-1.55e-06	0.0
434	30	7.28e-04	-3.03e-03	-0.04	5.24e-05	-1.65e-06	0.0
434	43	-3.70e-03	8.58e-05	-0.04	4.70e-05	-1.80e-06	0.0
434	54	9.53e-04	-4.24e-03	-0.04	5.39e-05	-1.37e-06	0.0
434	62	1.19e-03	-4.24e-03	-0.04	5.44e-05	-1.54e-06	0.0
434	70	-5.28e-05	-1.19e-03	-0.04	5.93e-05	-2.04e-06	0.0
434	72	-4.79e-05	-1.03e-03	-0.04	5.11e-05	-1.88e-06	0.0
435	2	-4.03e-05	-6.58e-04	-0.05	3.29e-05	-1.23e-06	0.0
435	11	-2.30e-03	2.59e-04	-0.04	1.96e-05	-1.02e-06	0.0
435	22	6.30e-04	-2.43e-03	-0.04	2.23e-05	0.0	0.0
435	30	6.90e-04	-2.43e-03	-0.04	2.26e-05	0.0	0.0
435	43	-3.65e-03	6.51e-04	-0.04	1.91e-05	-1.08e-06	0.0
435	54	1.02e-03	-3.63e-03	-0.04	2.35e-05	0.0	0.0
435	62	1.11e-03	-3.62e-03	-0.04	2.40e-05	0.0	0.0
435	70	-3.06e-05	-4.92e-04	-0.04	2.46e-05	0.0	0.0
435	72	-2.84e-05	-4.24e-04	-0.04	2.12e-05	0.0	0.0
436	2	-3.65e-05	2.97e-04	-0.05	-1.43e-05	0.0	0.0
436	20	-2.29e-03	-4.78e-04	-0.04	-8.12e-06	0.0	0.0
436	23	-7.12e-04	2.21e-03	-0.04	-1.05e-05	0.0	0.0
436	33	6.71e-04	2.20e-03	-0.04	-1.09e-05	0.0	0.0
436	52	-3.63e-03	-8.69e-04	-0.04	-7.70e-06	0.0	0.0
436	55	-1.12e-03	3.40e-03	-0.04	-1.15e-05	0.0	0.0
436	65	1.08e-03	3.39e-03	-0.04	-1.21e-05	0.0	0.0
436	70	-2.77e-05	2.22e-04	-0.04	-1.07e-05	0.0	0.0
436	72	-2.58e-05	1.91e-04	-0.04	-9.19e-06	0.0	0.0
437	2	-5.72e-05	1.24e-03	-0.05	-6.11e-05	-1.93e-06	0.0
437	20	-2.33e-03	1.01e-04	-0.04	-3.67e-05	-1.33e-06	0.0
437	25	6.01e-04	2.81e-03	-0.04	-4.03e-05	-1.15e-06	0.0
437	33	7.15e-04	2.80e-03	-0.04	-4.06e-05	-1.21e-06	0.0
437	52	-3.68e-03	-2.94e-04	-0.04	-3.61e-05	-1.33e-06	0.0
437	57	9.79e-04	4.01e-03	-0.04	-4.18e-05	-1.02e-06	0.0
437	65	1.16e-03	4.00e-03	-0.04	-4.23e-05	-1.13e-06	0.0
437	70	-4.33e-05	9.30e-04	-0.04	-4.57e-05	-1.46e-06	0.0
437	72	-3.95e-05	8.01e-04	-0.04	-3.94e-05	-1.37e-06	0.0
438	2	-1.07e-04	2.16e-03	-0.05	-1.06e-04	-4.28e-06	0.0
438	20	-2.38e-03	6.52e-04	-0.04	-6.40e-05	-2.68e-06	0.0
438	25	5.41e-04	3.40e-03	-0.04	-6.99e-05	-2.47e-06	0.0
438	33	7.40e-04	3.40e-03	-0.04	-7.03e-05	-2.63e-06	0.0
438	52	-3.75e-03	2.51e-04	-0.04	-6.30e-05	-2.59e-06	0.0
438	57	9.01e-04	4.62e-03	-0.04	-7.24e-05	-2.25e-06	0.0
438	65	1.22e-03	4.62e-03	-0.04	-7.29e-05	-2.51e-06	0.0
438	70	-8.08e-05	1.61e-03	-0.04	-7.95e-05	-3.23e-06	0.0
438	72	-7.23e-05	1.39e-03	-0.04	-6.85e-05	-2.92e-06	0.0
439	2	-1.95e-04	3.00e-03	-0.06	-1.48e-04	-8.58e-06	0.0
439	20	-2.46e-03	1.15e-03	-0.04	-8.87e-05	-5.07e-06	0.0
439	33	7.35e-04	3.97e-03	-0.04	-9.84e-05	-5.26e-06	0.0
439	52	-3.83e-03	7.40e-04	-0.04	-8.71e-05	-4.78e-06	0.0
439	65	1.24e-03	5.22e-03	-0.04	-1.03e-04	-5.08e-06	0.0
439	70	-1.47e-04	2.24e-03	-0.04	-1.11e-04	-6.46e-06	0.0
439	72	-1.30e-04	1.93e-03	-0.04	-9.53e-05	-5.74e-06	0.0
440	2	-3.31e-04	3.71e-03	-0.07	-1.83e-04	-1.54e-05	0.0
440	20	-2.55e-03	1.57e-03	-0.05	-1.09e-04	-8.29e-06	0.0
440	33	6.94e-04	4.46e-03	-0.05	-1.23e-04	-1.13e-05	0.0



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440	52	-3.94e-03	1.14e-03	-0.05	-1.07e-04	-7.40e-06	0.0
440	65	1.23e-03	5.75e-03	-0.05	-1.29e-04	-1.21e-05	0.0
440	70	-2.48e-04	2.77e-03	-0.05	-1.37e-04	-1.16e-05	0.0
440	72	-2.18e-04	2.38e-03	-0.05	-1.18e-04	-1.02e-05	0.0
441	2	-5.11e-04	4.21e-03	-0.08	-2.08e-04	-2.47e-05	0.0
441	20	-2.67e-03	1.85e-03	-0.05	-1.23e-04	-1.31e-05	0.0
441	33	6.15e-04	4.82e-03	-0.06	-1.41e-04	-1.84e-05	0.0
441	52	-4.06e-03	1.42e-03	-0.05	-1.21e-04	-1.16e-05	0.0
441	65	1.17e-03	6.14e-03	-0.06	-1.48e-04	-2.01e-05	0.0
441	70	-3.84e-04	3.14e-03	-0.06	-1.55e-04	-1.85e-05	0.0
441	72	-3.35e-04	2.70e-03	-0.05	-1.34e-04	-1.62e-05	0.0
442	2	-7.16e-04	4.44e-03	-0.09	-2.19e-04	-3.53e-05	0.0
442	20	-2.80e-03	1.98e-03	-0.06	-1.30e-04	-1.83e-05	0.0
442	33	5.10e-04	4.99e-03	-0.06	-1.49e-04	-2.71e-05	0.0
442	52	-4.18e-03	1.54e-03	-0.06	-1.27e-04	-1.61e-05	0.0
442	65	1.08e-03	6.33e-03	-0.06	-1.58e-04	-3.01e-05	0.0
442	70	-5.36e-04	3.32e-03	-0.07	-1.64e-04	-2.65e-05	0.0
442	72	-4.66e-04	2.84e-03	-0.06	-1.41e-04	-2.30e-05	0.0
443	2	-9.18e-05	-4.30e-03	-0.09	2.14e-04	-4.06e-06	0.0
443	11	-2.40e-03	-1.93e-03	-0.06	1.27e-04	1.73e-06	0.0
443	22	4.27e-04	-4.92e-03	-0.06	1.45e-04	-1.71e-06	0.0
443	34	8.83e-04	-4.81e-03	-0.06	1.45e-04	-7.09e-06	0.0
443	43	-3.77e-03	-1.51e-03	-0.06	1.25e-04	4.39e-06	0.0
443	54	7.17e-04	-6.26e-03	-0.06	1.52e-04	-1.09e-06	0.0
443	66	1.44e-03	-6.09e-03	-0.06	1.52e-04	-9.63e-06	0.0
443	70	-6.95e-05	-3.21e-03	-0.07	1.60e-04	-3.08e-06	0.0
443	72	-6.35e-05	-2.75e-03	-0.06	1.37e-04	-2.83e-06	0.0
444	2	-7.17e-05	-4.19e-03	-0.08	2.09e-04	-3.03e-06	0.0
444	11	-2.39e-03	-1.87e-03	-0.06	1.24e-04	1.57e-06	0.0
444	22	4.58e-04	-4.84e-03	-0.06	1.41e-04	-1.34e-06	0.0
444	34	8.79e-04	-4.73e-03	-0.06	1.41e-04	-5.45e-06	0.0
444	43	-3.76e-03	-1.45e-03	-0.06	1.22e-04	3.75e-06	0.0
444	54	7.58e-04	-6.17e-03	-0.06	1.48e-04	0.0	0.0
444	66	1.43e-03	-6.01e-03	-0.06	1.48e-04	-7.42e-06	0.0
444	70	-5.44e-05	-3.13e-03	-0.06	1.56e-04	-2.30e-06	0.0
444	72	-5.03e-05	-2.69e-03	-0.06	1.34e-04	-2.15e-06	0.0
445	2	-4.00e-05	-3.81e-03	-0.07	1.90e-04	-1.43e-06	0.0
445	11	-2.36e-03	-1.65e-03	-0.05	1.14e-04	1.44e-06	0.0
445	22	5.08e-04	-4.57e-03	-0.05	1.27e-04	0.0	0.0
445	34	8.67e-04	-4.46e-03	-0.05	1.27e-04	-3.15e-06	0.0
445	43	-3.74e-03	-1.24e-03	-0.05	1.12e-04	2.93e-06	0.0
445	54	8.26e-04	-5.88e-03	-0.05	1.33e-04	0.0	0.0
445	66	1.40e-03	-5.71e-03	-0.05	1.33e-04	-4.36e-06	0.0
445	70	-3.06e-05	-2.85e-03	-0.05	1.42e-04	-1.10e-06	0.0
445	72	-2.94e-05	-2.45e-03	-0.05	1.22e-04	-1.10e-06	0.0
446	1	-1.68e-05	-2.58e-03	-0.06	1.28e-04	0.0	0.0
446	2	-1.50e-05	-3.20e-03	-0.06	1.59e-04	0.0	0.0
446	11	-2.34e-03	-1.29e-03	-0.04	9.59e-05	1.26e-06	0.0
446	22	5.54e-04	-4.14e-03	-0.05	1.06e-04	0.0	0.0
446	34	8.45e-04	-4.04e-03	-0.05	1.06e-04	-1.41e-06	0.0
446	43	-3.71e-03	-8.92e-04	-0.04	9.44e-05	2.18e-06	0.0
446	54	8.89e-04	-5.42e-03	-0.05	1.10e-04	0.0	0.0
446	66	1.35e-03	-5.26e-03	-0.05	1.11e-04	-2.06e-06	0.0
446	69	-1.30e-05	-1.97e-03	-0.04	9.83e-05	0.0	0.0
446	70	-1.18e-05	-2.39e-03	-0.05	1.19e-04	0.0	0.0
446	71	-1.30e-05	-1.97e-03	-0.04	9.83e-05	0.0	0.0
446	72	-1.28e-05	-2.06e-03	-0.05	1.02e-04	0.0	0.0
447	1	-2.61e-06	-1.96e-03	-0.05	9.76e-05	0.0	0.0
447	2	1.60e-06	-2.44e-03	-0.05	1.21e-04	0.0	0.0
447	11	-2.31e-03	-8.36e-04	-0.04	7.32e-05	0.0	0.0
447	22	5.94e-04	-3.62e-03	-0.04	7.99e-05	0.0	0.0
447	34	8.12e-04	-3.52e-03	-0.04	8.01e-05	0.0	0.0
447	43	-3.68e-03	-4.44e-04	-0.04	7.22e-05	1.19e-06	0.0
447	54	9.47e-04	-4.87e-03	-0.04	8.29e-05	0.0	0.0
447	66	1.29e-03	-4.71e-03	-0.04	8.32e-05	0.0	0.0
447	69	-2.07e-06	-1.50e-03	-0.04	7.48e-05	0.0	0.0
447	70	0.0	-1.82e-03	-0.04	9.05e-05	0.0	0.0
447	71	-2.07e-06	-1.50e-03	-0.04	7.48e-05	0.0	0.0
447	72	-1.50e-06	-1.57e-03	-0.04	7.80e-05	0.0	0.0
448	2	1.07e-05	-1.57e-03	-0.05	7.81e-05	1.03e-06	0.0
448	10	2.30e-03	-1.62e-03	-0.04	4.93e-05	0.0	0.0
448	22	6.31e-04	-3.05e-03	-0.04	5.14e-05	0.0	0.0
448	30	7.76e-04	-2.98e-03	-0.04	5.16e-05	0.0	0.0
448	42	3.65e-03	-2.01e-03	-0.04	5.00e-05	0.0	0.0
448	54	1.00e-03	-4.28e-03	-0.04	5.32e-05	0.0	0.0
448	62	1.23e-03	-4.16e-03	-0.04	5.36e-05	0.0	0.0



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448	70	7.63e-06	-1.17e-03	-0.04	5.83e-05	0.0	0.0
448	72	4.77e-06	-1.01e-03	-0.04	5.03e-05	0.0	0.0
449	2	1.42e-05	-6.46e-04	-0.05	3.25e-05	1.21e-06	0.0
449	10	2.28e-03	-1.05e-03	-0.04	2.08e-05	0.0	0.0
449	22	6.63e-04	-2.46e-03	-0.04	2.21e-05	0.0	0.0
449	30	7.23e-04	-2.39e-03	-0.04	2.24e-05	0.0	0.0
449	42	3.62e-03	-1.43e-03	-0.04	2.13e-05	0.0	0.0
449	54	1.05e-03	-3.67e-03	-0.04	2.33e-05	0.0	0.0
449	62	1.15e-03	-3.56e-03	-0.04	2.37e-05	0.0	0.0
449	70	1.03e-05	-4.83e-04	-0.04	2.42e-05	0.0	0.0
449	72	7.27e-06	-4.16e-04	-0.04	2.09e-05	0.0	0.0
450	2	1.36e-05	2.93e-04	-0.05	-1.41e-05	1.23e-06	0.0
450	17	2.27e-03	8.26e-04	-0.04	-9.38e-06	0.0	0.0
450	23	-6.81e-04	2.24e-03	-0.04	-1.05e-05	0.0	0.0
450	29	6.99e-04	2.13e-03	-0.04	-1.08e-05	0.0	0.0
450	49	3.61e-03	1.21e-03	-0.04	-9.79e-06	0.0	0.0
450	55	-1.09e-03	3.45e-03	-0.04	-1.16e-05	0.0	0.0
450	61	1.11e-03	3.28e-03	-0.04	-1.21e-05	0.0	0.0
450	70	9.81e-06	2.19e-04	-0.04	-1.05e-05	0.0	0.0
450	72	6.90e-06	1.89e-04	-0.04	-9.06e-06	0.0	0.0
451	2	9.01e-06	1.22e-03	-0.05	-6.02e-05	1.09e-06	0.0
451	17	2.29e-03	1.41e-03	-0.04	-3.81e-05	0.0	0.0
451	23	-7.13e-04	2.83e-03	-0.04	-3.98e-05	0.0	0.0
451	29	7.48e-04	2.72e-03	-0.04	-4.00e-05	0.0	0.0
451	49	3.64e-03	1.79e-03	-0.04	-3.87e-05	0.0	0.0
451	55	-1.14e-03	4.05e-03	-0.04	-4.13e-05	0.0	0.0
451	61	1.19e-03	3.88e-03	-0.04	-4.17e-05	0.0	0.0
451	70	6.38e-06	9.15e-04	-0.04	-4.50e-05	0.0	0.0
451	72	3.83e-06	7.88e-04	-0.04	-3.88e-05	0.0	0.0
452	1	-3.81e-06	1.71e-03	-0.05	-8.42e-05	0.0	0.0
452	2	0.0	2.12e-03	-0.05	-1.04e-04	0.0	0.0
452	20	-2.31e-03	6.48e-04	-0.04	-6.31e-05	0.0	0.0
452	25	6.05e-04	3.41e-03	-0.04	-6.88e-05	0.0	0.0
452	29	7.91e-04	3.30e-03	-0.04	-6.90e-05	0.0	0.0
452	52	-3.67e-03	2.59e-04	-0.04	-6.23e-05	1.13e-06	0.0
452	57	9.63e-04	4.65e-03	-0.04	-7.13e-05	0.0	0.0
452	61	1.26e-03	4.48e-03	-0.04	-7.15e-05	0.0	0.0
452	69	-2.99e-06	1.31e-03	-0.04	-6.45e-05	0.0	0.0
452	70	0.0	1.58e-03	-0.04	-7.81e-05	0.0	0.0
452	71	-2.99e-06	1.31e-03	-0.04	-6.45e-05	0.0	0.0
452	72	-2.53e-06	1.36e-03	-0.04	-6.72e-05	0.0	0.0
453	1	-1.74e-05	2.36e-03	-0.06	-1.17e-04	0.0	0.0
453	2	-1.64e-05	2.93e-03	-0.06	-1.45e-04	0.0	0.0
453	20	-2.34e-03	1.13e-03	-0.04	-8.73e-05	1.19e-06	0.0
453	25	5.64e-04	3.96e-03	-0.04	-9.59e-05	0.0	0.0
453	29	8.26e-04	3.85e-03	-0.04	-9.61e-05	0.0	0.0
453	52	-3.71e-03	7.37e-04	-0.04	-8.60e-05	1.95e-06	0.0
453	57	9.06e-04	5.22e-03	-0.04	-9.98e-05	0.0	0.0
453	61	1.32e-03	5.06e-03	-0.04	-1.00e-04	-1.43e-06	0.0
453	69	-1.35e-05	1.81e-03	-0.04	-8.94e-05	0.0	0.0
453	70	-1.28e-05	2.19e-03	-0.04	-1.08e-04	0.0	0.0
453	71	-1.35e-05	1.81e-03	-0.04	-8.94e-05	0.0	0.0
453	72	-1.33e-05	1.88e-03	-0.04	-9.32e-05	0.0	0.0
454	2	-4.06e-05	3.61e-03	-0.07	-1.78e-04	0.0	0.0
454	20	-2.36e-03	1.53e-03	-0.05	-1.07e-04	1.37e-06	0.0
454	25	5.19e-04	4.42e-03	-0.05	-1.19e-04	0.0	0.0
454	29	8.51e-04	4.32e-03	-0.05	-1.19e-04	-2.41e-06	0.0
454	52	-3.74e-03	1.13e-03	-0.05	-1.05e-04	2.64e-06	0.0
454	57	8.43e-04	5.72e-03	-0.05	-1.25e-04	0.0	0.0
454	61	1.37e-03	5.55e-03	-0.05	-1.25e-04	-3.38e-06	0.0
454	70	-3.10e-05	2.69e-03	-0.05	-1.33e-04	0.0	0.0
454	72	-2.95e-05	2.32e-03	-0.05	-1.15e-04	0.0	0.0
455	2	-7.25e-05	4.08e-03	-0.08	-2.02e-04	-2.39e-06	0.0
455	20	-2.39e-03	1.81e-03	-0.05	-1.21e-04	1.46e-06	0.0
455	25	4.69e-04	4.76e-03	-0.06	-1.36e-04	-1.07e-06	0.0
455	29	8.66e-04	4.65e-03	-0.06	-1.36e-04	-4.49e-06	0.0
455	52	-3.77e-03	1.39e-03	-0.05	-1.18e-04	3.33e-06	0.0
455	57	7.75e-04	6.08e-03	-0.06	-1.43e-04	0.0	0.0
455	61	1.41e-03	5.91e-03	-0.06	-1.43e-04	-6.12e-06	0.0
455	70	-5.49e-05	3.05e-03	-0.06	-1.51e-04	-1.82e-06	0.0
455	72	-5.05e-05	2.62e-03	-0.05	-1.30e-04	-1.73e-06	0.0
456	2	-1.09e-04	4.30e-03	-0.09	-2.12e-04	-4.16e-06	0.0
456	20	-2.41e-03	1.93e-03	-0.06	-1.27e-04	1.55e-06	0.0
456	25	4.15e-04	4.91e-03	-0.06	-1.44e-04	-1.74e-06	0.0
456	29	8.71e-04	4.81e-03	-0.06	-1.44e-04	-7.12e-06	0.0
456	52	-3.79e-03	1.51e-03	-0.06	-1.24e-04	4.12e-06	0.0



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456	57	7.04e-04	6.26e-03	-0.06	-1.51e-04	-1.10e-06	0.0
456	61	1.43e-03	6.09e-03	-0.06	-1.51e-04	-9.66e-06	0.0
456	70	-8.23e-05	3.21e-03	-0.07	-1.59e-04	-3.15e-06	0.0
456	72	-7.44e-05	2.75e-03	-0.06	-1.36e-04	-2.89e-06	0.0
457	2	5.50e-04	-4.36e-03	-0.09	2.17e-04	2.89e-05	0.0
457	10	2.68e-03	-3.36e-03	-0.06	1.36e-04	1.55e-05	0.0
457	24	-4.91e-04	-4.98e-03	-0.06	1.47e-04	2.17e-05	0.0
457	28	-4.71e-04	-5.01e-03	-0.06	1.47e-04	2.14e-05	0.0
457	42	4.06e-03	-3.77e-03	-0.06	1.38e-04	1.41e-05	0.0
457	56	-9.77e-04	-6.34e-03	-0.06	1.56e-04	2.41e-05	0.0
457	60	-9.46e-04	-6.38e-03	-0.06	1.55e-04	2.36e-05	0.0
457	70	4.11e-04	-3.26e-03	-0.07	1.62e-04	2.16e-05	0.0
457	72	3.51e-04	-2.80e-03	-0.06	1.39e-04	1.85e-05	0.0
458	2	4.67e-04	-4.26e-03	-0.08	2.12e-04	2.45e-05	0.0
458	10	2.63e-03	-3.30e-03	-0.06	1.33e-04	1.30e-05	0.0
458	24	-5.39e-04	-4.90e-03	-0.06	1.43e-04	1.79e-05	0.0
458	28	-5.20e-04	-4.93e-03	-0.06	1.43e-04	1.77e-05	0.0
458	42	4.01e-03	-3.70e-03	-0.06	1.35e-04	1.19e-05	0.0
458	56	-1.02e-03	-6.25e-03	-0.06	1.51e-04	1.97e-05	0.0
458	60	-9.94e-04	-6.29e-03	-0.06	1.51e-04	1.93e-05	0.0
458	70	3.49e-04	-3.18e-03	-0.06	1.58e-04	1.83e-05	0.0
458	72	2.98e-04	-2.73e-03	-0.06	1.36e-04	1.56e-05	0.0
459	2	3.35e-04	-3.87e-03	-0.07	1.92e-04	1.73e-05	0.0
459	10	2.54e-03	-3.05e-03	-0.05	1.21e-04	8.23e-06	0.0
459	24	-6.08e-04	-4.62e-03	-0.05	1.29e-04	1.23e-05	0.0
459	28	-5.92e-04	-4.64e-03	-0.05	1.29e-04	1.21e-05	0.0
459	42	3.92e-03	-3.44e-03	-0.05	1.22e-04	6.82e-06	0.0
459	56	-1.09e-03	-5.93e-03	-0.05	1.36e-04	1.32e-05	0.0
459	60	-1.06e-03	-5.98e-03	-0.05	1.36e-04	1.29e-05	0.0
459	70	2.51e-04	-2.89e-03	-0.05	1.44e-04	1.30e-05	0.0
459	72	2.14e-04	-2.48e-03	-0.05	1.23e-04	1.11e-05	0.0
460	2	2.27e-04	-3.25e-03	-0.06	1.61e-04	1.17e-05	0.0
460	10	2.47e-03	-2.65e-03	-0.04	1.01e-04	5.67e-06	0.0
460	28	-6.42e-04	-4.21e-03	-0.05	1.07e-04	6.95e-06	0.0
460	32	-3.53e-04	-4.03e-03	-0.05	1.07e-04	6.54e-06	0.0
460	42	3.84e-03	-3.04e-03	-0.05	1.02e-04	4.81e-06	0.0
460	60	-1.10e-03	-5.51e-03	-0.05	1.12e-04	6.85e-06	0.0
460	64	-6.43e-04	-5.23e-03	-0.05	1.12e-04	6.18e-06	0.0
460	70	1.70e-04	-2.42e-03	-0.05	1.21e-04	8.71e-06	0.0
460	72	1.45e-04	-2.08e-03	-0.05	1.04e-04	7.45e-06	0.0
461	2	1.50e-04	-2.46e-03	-0.05	1.22e-04	7.68e-06	0.0
461	10	2.41e-03	-2.16e-03	-0.04	7.68e-05	3.92e-06	0.0
461	28	-6.66e-04	-3.67e-03	-0.04	8.08e-05	4.64e-06	0.0
461	32	-4.50e-04	-3.50e-03	-0.04	8.09e-05	4.36e-06	0.0
461	42	3.77e-03	-2.54e-03	-0.04	7.75e-05	3.47e-06	0.0
461	60	-1.11e-03	-4.94e-03	-0.04	8.39e-05	4.61e-06	0.0
461	64	-7.69e-04	-4.67e-03	-0.04	8.40e-05	4.17e-06	0.0
461	70	1.12e-04	-1.84e-03	-0.04	9.15e-05	5.74e-06	0.0
461	72	9.56e-05	-1.58e-03	-0.04	7.88e-05	4.89e-06	0.0
462	2	1.01e-04	-1.58e-03	-0.05	7.88e-05	5.22e-06	0.0
462	10	2.36e-03	-1.61e-03	-0.04	4.95e-05	2.84e-06	0.0
462	28	-6.68e-04	-3.09e-03	-0.04	5.19e-05	3.11e-06	0.0
462	32	-5.30e-04	-2.92e-03	-0.04	5.21e-05	3.00e-06	0.0
462	42	3.71e-03	-1.99e-03	-0.04	4.99e-05	2.65e-06	0.0
462	60	-1.10e-03	-4.34e-03	-0.04	5.38e-05	3.07e-06	0.0
462	64	-8.78e-04	-4.07e-03	-0.04	5.41e-05	2.91e-06	0.0
462	70	7.56e-05	-1.18e-03	-0.04	5.89e-05	3.90e-06	0.0
462	72	6.41e-05	-1.02e-03	-0.04	5.08e-05	3.31e-06	0.0
463	2	7.58e-05	-6.52e-04	-0.05	3.28e-05	3.98e-06	0.0
463	10	2.32e-03	-1.03e-03	-0.04	2.08e-05	2.29e-06	0.0
463	28	-6.54e-04	-2.49e-03	-0.04	2.23e-05	2.37e-06	0.0
463	32	-5.97e-04	-2.33e-03	-0.04	2.26e-05	2.34e-06	0.0
463	42	3.66e-03	-1.40e-03	-0.04	2.12e-05	2.23e-06	0.0
463	60	-1.07e-03	-3.72e-03	-0.04	2.35e-05	2.36e-06	0.0
463	64	-9.75e-04	-3.46e-03	-0.04	2.39e-05	2.31e-06	0.0
463	70	5.65e-05	-4.87e-04	-0.04	2.45e-05	2.97e-06	0.0
463	72	4.77e-05	-4.19e-04	-0.04	2.11e-05	2.51e-06	0.0
464	2	7.01e-05	2.97e-04	-0.05	-1.42e-05	3.75e-06	0.0
464	17	2.31e-03	8.11e-04	-0.04	-9.30e-06	2.17e-06	0.0
464	23	-6.46e-04	2.27e-03	-0.04	-1.06e-05	2.22e-06	0.0
464	35	-6.21e-04	2.10e-03	-0.04	-1.09e-05	2.22e-06	0.0
464	49	3.65e-03	1.18e-03	-0.04	-9.63e-06	2.13e-06	0.0
464	55	-1.05e-03	3.50e-03	-0.04	-1.17e-05	2.21e-06	0.0
464	67	-1.01e-03	3.24e-03	-0.04	-1.21e-05	2.20e-06	0.0
464	70	5.23e-05	2.22e-04	-0.04	-1.06e-05	2.80e-06	0.0
464	72	4.41e-05	1.91e-04	-0.04	-9.12e-06	2.36e-06	0.0



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465	2	8.37e-05	1.24e-03	-0.05	-6.07e-05	4.50e-06	0.0
465	17	2.34e-03	1.40e-03	-0.04	-3.82e-05	2.48e-06	0.0
465	23	-6.68e-04	2.87e-03	-0.04	-4.01e-05	2.64e-06	0.0
465	35	-5.61e-04	2.70e-03	-0.04	-4.04e-05	2.59e-06	0.0
465	49	3.69e-03	1.77e-03	-0.04	-3.86e-05	2.34e-06	0.0
465	55	-1.09e-03	4.11e-03	-0.04	-4.17e-05	2.59e-06	0.0
465	67	-9.22e-04	3.84e-03	-0.04	-4.20e-05	2.52e-06	0.0
465	70	6.24e-05	9.25e-04	-0.04	-4.54e-05	3.36e-06	0.0
465	72	5.28e-05	7.97e-04	-0.04	-3.91e-05	2.85e-06	0.0
466	2	1.19e-04	2.14e-03	-0.05	-1.06e-04	6.40e-06	0.0
466	17	2.38e-03	1.96e-03	-0.04	-6.62e-05	3.29e-06	0.0
466	23	-6.75e-04	3.46e-03	-0.04	-6.95e-05	3.83e-06	0.0
466	35	-4.89e-04	3.29e-03	-0.04	-6.96e-05	3.64e-06	0.0
466	49	3.75e-03	2.34e-03	-0.04	-6.67e-05	2.94e-06	0.0
466	55	-1.12e-03	4.72e-03	-0.04	-7.21e-05	3.79e-06	0.0
466	67	-8.20e-04	4.45e-03	-0.04	-7.22e-05	3.49e-06	0.0
466	70	8.88e-05	1.60e-03	-0.04	-7.89e-05	4.78e-06	0.0
466	72	7.56e-05	1.38e-03	-0.04	-6.79e-05	4.07e-06	0.0
467	2	1.81e-04	2.97e-03	-0.06	-1.47e-04	9.75e-06	0.0
467	17	2.44e-03	2.48e-03	-0.04	-9.19e-05	4.76e-06	0.0
467	23	-6.62e-04	4.02e-03	-0.04	-9.72e-05	5.88e-06	0.0
467	35	-4.02e-04	3.84e-03	-0.04	-9.71e-05	5.50e-06	0.0
467	49	3.81e-03	2.86e-03	-0.04	-9.28e-05	4.06e-06	0.0
467	55	-1.12e-03	5.30e-03	-0.04	-1.01e-04	5.83e-06	0.0
467	67	-7.03e-04	5.03e-03	-0.04	-1.01e-04	5.22e-06	0.0
467	70	1.35e-04	2.22e-03	-0.04	-1.09e-04	7.29e-06	0.0
467	72	1.16e-04	1.91e-03	-0.04	-9.42e-05	6.23e-06	0.0
468	2	2.74e-04	3.66e-03	-0.07	-1.81e-04	1.48e-05	0.0
468	17	2.50e-03	2.92e-03	-0.05	-1.14e-04	7.06e-06	0.0
468	23	-6.24e-04	4.49e-03	-0.05	-1.21e-04	1.02e-05	0.0
468	35	-2.96e-04	4.32e-03	-0.05	-1.21e-04	8.22e-06	0.0
468	49	3.88e-03	3.31e-03	-0.05	-1.15e-04	5.87e-06	0.0
468	55	-1.09e-03	5.82e-03	-0.05	-1.27e-04	1.08e-05	0.0
468	67	-5.70e-04	5.53e-03	-0.05	-1.26e-04	7.71e-06	0.0
468	70	2.05e-04	2.73e-03	-0.05	-1.35e-04	1.11e-05	0.0
468	72	1.75e-04	2.35e-03	-0.05	-1.16e-04	9.48e-06	0.0
469	2	3.96e-04	4.14e-03	-0.08	-2.05e-04	2.15e-05	0.0
469	17	2.59e-03	3.22e-03	-0.05	-1.29e-04	1.15e-05	0.0
469	23	-5.62e-04	4.84e-03	-0.06	-1.38e-04	1.53e-05	0.0
469	27	-5.82e-04	4.81e-03	-0.06	-1.38e-04	1.55e-05	0.0
469	49	3.97e-03	3.62e-03	-0.05	-1.31e-04	1.05e-05	0.0
469	55	-1.04e-03	6.19e-03	-0.06	-1.45e-04	1.65e-05	0.0
469	59	-1.07e-03	6.15e-03	-0.06	-1.46e-04	1.69e-05	0.0
469	70	2.96e-04	3.09e-03	-0.06	-1.53e-04	1.60e-05	0.0
469	72	2.53e-04	2.66e-03	-0.05	-1.31e-04	1.37e-05	0.0
470	2	5.32e-04	4.36e-03	-0.09	-2.15e-04	2.88e-05	0.0
470	17	2.67e-03	3.36e-03	-0.06	-1.36e-04	1.55e-05	0.0
470	23	-4.82e-04	5.00e-03	-0.06	-1.46e-04	2.13e-05	0.0
470	27	-5.04e-04	4.98e-03	-0.06	-1.46e-04	2.16e-05	0.0
470	49	4.06e-03	3.77e-03	-0.06	-1.38e-04	1.42e-05	0.0
470	55	-9.58e-04	6.37e-03	-0.06	-1.54e-04	2.34e-05	0.0
470	59	-9.93e-04	6.33e-03	-0.06	-1.55e-04	2.39e-05	0.0
470	70	3.98e-04	3.26e-03	-0.07	-1.61e-04	2.15e-05	0.0
470	72	3.39e-04	2.79e-03	-0.06	-1.38e-04	1.83e-05	0.0
471	2	1.07e-03	-4.64e-03	-0.09	2.29e-04	5.59e-05	0.0
471	10	3.03e-03	-3.46e-03	-0.06	1.44e-04	3.34e-05	0.0
471	24	-1.47e-04	-5.24e-03	-0.06	1.57e-04	3.91e-05	0.0
471	28	-1.24e-04	-5.25e-03	-0.06	1.57e-04	3.89e-05	0.0
471	42	4.44e-03	-3.82e-03	-0.06	1.45e-04	3.29e-05	0.0
471	56	-6.20e-04	-6.66e-03	-0.07	1.67e-04	4.19e-05	0.0
471	60	-5.85e-04	-6.67e-03	-0.07	1.66e-04	4.16e-05	0.0
471	70	8.00e-04	-3.47e-03	-0.07	1.71e-04	4.18e-05	0.0
471	72	6.87e-04	-2.97e-03	-0.06	1.47e-04	3.59e-05	0.0
472	2	8.96e-04	-4.52e-03	-0.08	2.24e-04	4.65e-05	0.0
472	10	2.92e-03	-3.39e-03	-0.06	1.40e-04	2.78e-05	0.0
472	24	-2.65e-04	-5.15e-03	-0.06	1.53e-04	3.17e-05	0.0
472	28	-2.44e-04	-5.16e-03	-0.06	1.52e-04	3.15e-05	0.0
472	42	4.32e-03	-3.74e-03	-0.06	1.41e-04	2.73e-05	0.0
472	56	-7.46e-04	-6.55e-03	-0.06	1.62e-04	3.34e-05	0.0
472	60	-7.12e-04	-6.56e-03	-0.06	1.61e-04	3.32e-05	0.0
472	70	6.70e-04	-3.38e-03	-0.06	1.67e-04	3.48e-05	0.0
472	72	5.76e-04	-2.90e-03	-0.06	1.43e-04	2.99e-05	0.0
473	2	6.18e-04	-4.09e-03	-0.07	2.02e-04	3.15e-05	0.0
473	10	2.74e-03	-3.11e-03	-0.05	1.26e-04	1.80e-05	0.0
473	24	-4.36e-04	-4.83e-03	-0.05	1.37e-04	2.06e-05	0.0
473	28	-4.17e-04	-4.83e-03	-0.05	1.37e-04	2.05e-05	0.0



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473	42	4.13e-03	-3.46e-03	-0.05	1.27e-04	1.72e-05	0.0
473	56	-9.17e-04	-6.19e-03	-0.05	1.44e-04	2.13e-05	0.0
473	60	-8.88e-04	-6.20e-03	-0.05	1.44e-04	2.11e-05	0.0
473	70	4.62e-04	-3.05e-03	-0.05	1.51e-04	2.36e-05	0.0
473	72	3.98e-04	-2.62e-03	-0.05	1.30e-04	2.03e-05	0.0
474	2	3.98e-04	-3.41e-03	-0.06	1.69e-04	1.99e-05	0.0
474	10	2.59e-03	-2.73e-03	-0.05	1.05e-04	1.17e-05	0.0
474	28	-5.40e-04	-4.35e-03	-0.05	1.12e-04	1.21e-05	0.0
474	32	-2.52e-04	-4.10e-03	-0.05	1.12e-04	1.15e-05	0.0
474	42	3.97e-03	-3.11e-03	-0.05	1.06e-04	1.12e-05	0.0
474	60	-1.00e-03	-5.67e-03	-0.05	1.17e-04	1.20e-05	0.0
474	64	-5.45e-04	-5.29e-03	-0.05	1.17e-04	1.09e-05	0.0
474	70	2.98e-04	-2.55e-03	-0.05	1.26e-04	1.49e-05	0.0
474	72	2.57e-04	-2.19e-03	-0.05	1.08e-04	1.29e-05	0.0
475	2	2.47e-04	-2.57e-03	-0.06	1.27e-04	1.22e-05	0.0
475	10	2.48e-03	-2.21e-03	-0.04	7.93e-05	7.30e-06	0.0
475	28	-6.09e-04	-3.77e-03	-0.04	8.39e-05	7.22e-06	0.0
475	32	-3.94e-04	-3.53e-03	-0.04	8.38e-05	6.94e-06	0.0
475	42	3.85e-03	-2.57e-03	-0.04	7.98e-05	7.16e-06	0.0
475	60	-1.06e-03	-5.06e-03	-0.04	8.70e-05	7.02e-06	0.0
475	64	-7.16e-04	-4.69e-03	-0.04	8.69e-05	6.58e-06	0.0
475	70	1.85e-04	-1.92e-03	-0.04	9.50e-05	9.15e-06	0.0
475	72	1.59e-04	-1.65e-03	-0.04	8.18e-05	7.88e-06	0.0
476	2	1.55e-04	-1.64e-03	-0.05	8.15e-05	7.62e-06	0.0
476	10	2.40e-03	-1.63e-03	-0.04	5.09e-05	4.74e-06	0.0
476	28	-6.37e-04	-3.15e-03	-0.04	5.35e-05	4.39e-06	0.0
476	32	-5.00e-04	-2.93e-03	-0.04	5.37e-05	4.30e-06	0.0
476	42	3.76e-03	-1.99e-03	-0.04	5.13e-05	4.77e-06	0.0
476	60	-1.07e-03	-4.42e-03	-0.04	5.53e-05	4.21e-06	0.0
476	64	-8.51e-04	-4.05e-03	-0.04	5.56e-05	4.07e-06	0.0
476	70	1.16e-04	-1.23e-03	-0.04	6.09e-05	5.70e-06	0.0
476	72	9.93e-05	-1.06e-03	-0.04	5.25e-05	4.89e-06	0.0
477	2	1.08e-04	-6.74e-04	-0.05	3.38e-05	5.36e-06	0.0
477	10	2.35e-03	-1.03e-03	-0.04	2.14e-05	3.45e-06	0.0
477	28	-6.35e-04	-2.53e-03	-0.04	2.28e-05	3.11e-06	0.0
477	34	7.82e-04	-2.31e-03	-0.04	2.30e-05	3.22e-06	0.0
477	42	3.69e-03	-1.39e-03	-0.04	2.17e-05	3.56e-06	0.0
477	60	-1.05e-03	-3.78e-03	-0.04	2.39e-05	3.01e-06	0.0
477	66	1.20e-03	-3.42e-03	-0.04	2.43e-05	3.18e-06	0.0
477	70	8.10e-05	-5.03e-04	-0.04	2.53e-05	4.01e-06	0.0
477	72	6.92e-05	-4.33e-04	-0.04	2.18e-05	3.42e-06	0.0
478	2	9.92e-05	3.07e-04	-0.05	-1.45e-05	4.95e-06	0.0
478	17	2.34e-03	8.01e-04	-0.04	-9.47e-06	3.22e-06	0.0
478	23	-6.29e-04	2.30e-03	-0.04	-1.07e-05	2.88e-06	0.0
478	29	7.55e-04	2.08e-03	-0.04	-1.10e-05	3.02e-06	0.0
478	49	3.68e-03	1.16e-03	-0.04	-9.75e-06	3.34e-06	0.0
478	55	-1.04e-03	3.55e-03	-0.04	-1.17e-05	2.80e-06	0.0
478	61	1.17e-03	3.19e-03	-0.04	-1.21e-05	3.01e-06	0.0
478	70	7.41e-05	2.29e-04	-0.04	-1.09e-05	3.70e-06	0.0
478	72	6.33e-05	1.98e-04	-0.04	-9.36e-06	3.16e-06	0.0
479	2	1.25e-04	1.28e-03	-0.05	-6.26e-05	6.32e-06	0.0
479	17	2.38e-03	1.40e-03	-0.04	-3.92e-05	3.97e-06	0.0
479	23	-6.44e-04	2.92e-03	-0.04	-4.12e-05	3.58e-06	0.0
479	35	-5.38e-04	2.69e-03	-0.04	-4.15e-05	3.55e-06	0.0
479	49	3.73e-03	1.77e-03	-0.04	-3.95e-05	4.03e-06	0.0
479	55	-1.07e-03	4.18e-03	-0.04	-4.27e-05	3.41e-06	0.0
479	67	-9.01e-04	3.82e-03	-0.04	-4.31e-05	3.35e-06	0.0
479	70	9.38e-05	9.58e-04	-0.04	-4.68e-05	4.73e-06	0.0
479	72	8.04e-05	8.25e-04	-0.04	-4.03e-05	4.05e-06	0.0
480	2	1.93e-04	2.23e-03	-0.05	-1.09e-04	9.80e-06	0.0
480	17	2.44e-03	1.99e-03	-0.04	-6.82e-05	5.96e-06	0.0
480	23	-6.32e-04	3.54e-03	-0.04	-7.19e-05	5.65e-06	0.0
480	35	-4.47e-04	3.31e-03	-0.04	-7.19e-05	5.49e-06	0.0
480	49	3.81e-03	2.36e-03	-0.04	-6.86e-05	5.90e-06	0.0
480	55	-1.08e-03	4.82e-03	-0.04	-7.44e-05	5.41e-06	0.0
480	67	-7.81e-04	4.45e-03	-0.04	-7.45e-05	5.16e-06	0.0
480	70	1.44e-04	1.67e-03	-0.04	-8.17e-05	7.34e-06	0.0
480	72	1.24e-04	1.43e-03	-0.04	-7.04e-05	6.31e-06	0.0
481	2	3.14e-04	3.11e-03	-0.06	-1.53e-04	1.61e-05	0.0
481	17	2.53e-03	2.55e-03	-0.04	-9.53e-05	9.48e-06	0.0
481	23	-5.85e-04	4.14e-03	-0.04	-1.01e-04	9.66e-06	0.0
481	35	-3.24e-04	3.90e-03	-0.04	-1.01e-04	9.21e-06	0.0
481	49	3.92e-03	2.92e-03	-0.04	-9.59e-05	9.17e-06	0.0
481	55	-1.04e-03	5.45e-03	-0.04	-1.06e-04	9.46e-06	0.0
481	67	-6.29e-04	5.07e-03	-0.04	-1.05e-04	8.75e-06	0.0
481	70	2.35e-04	2.32e-03	-0.05	-1.14e-04	1.21e-05	0.0



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481	72	2.03e-04	2.00e-03	-0.04	-9.83e-05	1.04e-05	0.0
482	2	5.02e-04	3.86e-03	-0.07	-1.90e-04	2.62e-05	0.0
482	17	2.67e-03	3.02e-03	-0.05	-1.19e-04	1.51e-05	0.0
482	23	-4.86e-04	4.67e-03	-0.05	-1.28e-04	1.59e-05	0.0
482	27	-5.05e-04	4.64e-03	-0.05	-1.28e-04	1.60e-05	0.0
482	49	4.06e-03	3.40e-03	-0.05	-1.20e-04	1.44e-05	0.0
482	55	-9.56e-04	6.02e-03	-0.05	-1.34e-04	1.57e-05	0.0
482	59	-9.86e-04	5.98e-03	-0.05	-1.34e-04	1.59e-05	0.0
482	70	3.76e-04	2.88e-03	-0.05	-1.42e-04	1.96e-05	0.0
482	72	3.24e-04	2.48e-03	-0.05	-1.22e-04	1.69e-05	0.0
483	2	7.59e-04	4.39e-03	-0.08	-2.16e-04	4.01e-05	0.0
483	17	2.84e-03	3.36e-03	-0.06	-1.35e-04	2.40e-05	0.0
483	23	-3.32e-04	5.05e-03	-0.06	-1.47e-04	2.68e-05	0.0
483	27	-3.54e-04	5.03e-03	-0.06	-1.47e-04	2.69e-05	0.0
483	49	4.23e-03	3.75e-03	-0.06	-1.37e-04	2.36e-05	0.0
483	55	-8.03e-04	6.44e-03	-0.06	-1.55e-04	2.79e-05	0.0
483	59	-8.38e-04	6.41e-03	-0.06	-1.55e-04	2.82e-05	0.0
483	70	5.68e-04	3.28e-03	-0.06	-1.61e-04	3.00e-05	0.0
483	72	4.88e-04	2.82e-03	-0.06	-1.39e-04	2.58e-05	0.0
484	2	1.05e-03	4.63e-03	-0.09	-2.28e-04	5.57e-05	0.0
484	17	3.03e-03	3.51e-03	-0.06	-1.43e-04	3.34e-05	0.0
484	23	-1.37e-04	5.24e-03	-0.06	-1.56e-04	3.87e-05	0.0
484	27	-1.61e-04	5.22e-03	-0.06	-1.56e-04	3.89e-05	0.0
484	49	4.43e-03	3.91e-03	-0.06	-1.45e-04	3.29e-05	0.0
484	55	-5.98e-04	6.66e-03	-0.07	-1.65e-04	4.13e-05	0.0
484	59	-6.36e-04	6.62e-03	-0.07	-1.65e-04	4.16e-05	0.0
484	70	7.87e-04	3.46e-03	-0.07	-1.70e-04	4.16e-05	0.0
484	72	6.75e-04	2.96e-03	-0.06	-1.46e-04	3.57e-05	0.0
485	2	1.27e-03	-5.10e-03	-0.09	2.50e-04	6.76e-05	0.0
485	10	3.22e-03	-3.74e-03	-0.06	1.56e-04	4.32e-05	0.0
485	24	-2.96e-05	-5.61e-03	-0.07	1.73e-04	4.56e-05	0.0
485	28	-2.19e-06	-5.62e-03	-0.07	1.72e-04	4.57e-05	0.0
485	42	4.66e-03	-4.11e-03	-0.06	1.58e-04	4.42e-05	0.0
485	56	-5.10e-04	-7.08e-03	-0.07	1.84e-04	4.80e-05	0.0
485	60	-4.66e-04	-7.09e-03	-0.07	1.84e-04	4.81e-05	0.0
485	70	9.54e-04	-3.81e-03	-0.07	1.87e-04	5.06e-05	0.0
485	72	8.19e-04	-3.26e-03	-0.07	1.60e-04	4.34e-05	0.0
486	2	1.04e-03	-4.99e-03	-0.09	2.44e-04	5.48e-05	0.0
486	10	3.06e-03	-3.67e-03	-0.06	1.53e-04	3.50e-05	0.0
486	24	-1.84e-04	-5.51e-03	-0.06	1.68e-04	3.60e-05	0.0
486	28	-1.59e-04	-5.52e-03	-0.06	1.67e-04	3.60e-05	0.0
486	42	4.48e-03	-4.03e-03	-0.06	1.54e-04	3.56e-05	0.0
486	56	-6.73e-04	-6.96e-03	-0.06	1.78e-04	3.72e-05	0.0
486	60	-6.33e-04	-6.97e-03	-0.06	1.77e-04	3.73e-05	0.0
486	70	7.81e-04	-3.73e-03	-0.06	1.83e-04	4.10e-05	0.0
486	72	6.72e-04	-3.19e-03	-0.06	1.57e-04	3.53e-05	0.0
487	2	6.87e-04	-4.45e-03	-0.07	2.18e-04	3.48e-05	0.0
487	10	2.82e-03	-3.32e-03	-0.05	1.36e-04	2.21e-05	0.0
487	24	-4.11e-04	-5.10e-03	-0.05	1.48e-04	2.10e-05	0.0
487	28	-3.89e-04	-5.11e-03	-0.05	1.48e-04	2.11e-05	0.0
487	42	4.24e-03	-3.67e-03	-0.05	1.37e-04	2.24e-05	0.0
487	56	-9.04e-04	-6.50e-03	-0.05	1.56e-04	2.06e-05	0.0
487	60	-8.70e-04	-6.51e-03	-0.05	1.56e-04	2.07e-05	0.0
487	70	5.14e-04	-3.32e-03	-0.06	1.63e-04	2.61e-05	0.0
487	72	4.44e-04	-2.85e-03	-0.05	1.40e-04	2.25e-05	0.0
488	2	4.12e-04	-3.65e-03	-0.06	1.79e-04	2.05e-05	0.0
488	10	2.63e-03	-2.82e-03	-0.05	1.12e-04	1.34e-05	0.0
488	28	-5.40e-04	-4.53e-03	-0.05	1.19e-04	1.19e-05	0.0
488	32	-2.51e-04	-4.24e-03	-0.05	1.19e-04	1.14e-05	0.0
488	42	4.03e-03	-3.15e-03	-0.05	1.12e-04	1.38e-05	0.0
488	60	-1.01e-03	-5.88e-03	-0.05	1.25e-04	1.14e-05	0.0
488	64	-5.50e-04	-5.41e-03	-0.05	1.24e-04	1.06e-05	0.0
488	70	3.09e-04	-2.72e-03	-0.05	1.34e-04	1.53e-05	0.0
488	72	2.67e-04	-2.34e-03	-0.05	1.15e-04	1.32e-05	0.0
489	2	2.37e-04	-2.71e-03	-0.06	1.34e-04	1.16e-05	0.0
489	10	2.49e-03	-2.28e-03	-0.04	8.34e-05	7.80e-06	0.0
489	28	-6.19e-04	-3.89e-03	-0.04	8.79e-05	6.46e-06	0.0
489	32	-4.05e-04	-3.59e-03	-0.04	8.78e-05	6.22e-06	0.0
489	42	3.87e-03	-2.64e-03	-0.04	8.38e-05	8.18e-06	0.0
489	60	-1.07e-03	-5.19e-03	-0.04	9.10e-05	6.05e-06	0.0
489	64	-7.31e-04	-4.72e-03	-0.04	9.08e-05	5.66e-06	0.0
489	70	1.77e-04	-2.03e-03	-0.04	1.00e-04	8.65e-06	0.0
489	72	1.53e-04	-1.74e-03	-0.04	8.61e-05	7.46e-06	0.0
490	2	1.35e-04	-1.72e-03	-0.05	8.51e-05	6.50e-06	0.0
490	10	2.40e-03	-1.66e-03	-0.04	5.31e-05	4.58e-06	0.0
490	28	-6.51e-04	-3.23e-03	-0.04	5.56e-05	3.50e-06	0.0



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490	34	8.51e-04	-2.94e-03	-0.04	5.55e-05	3.78e-06	0.0
490	42	3.77e-03	-2.02e-03	-0.04	5.34e-05	4.92e-06	0.0
490	60	-1.08e-03	-4.51e-03	-0.04	5.73e-05	3.21e-06	0.0
490	66	1.30e-03	-4.05e-03	-0.04	5.73e-05	3.65e-06	0.0
490	70	1.01e-04	-1.28e-03	-0.04	6.36e-05	4.86e-06	0.0
490	72	8.66e-05	-1.11e-03	-0.04	5.48e-05	4.17e-06	0.0
491	2	8.52e-05	-7.03e-04	-0.05	3.52e-05	4.08e-06	0.0
491	10	2.34e-03	-1.03e-03	-0.04	2.22e-05	3.02e-06	0.0
491	28	-6.51e-04	-2.58e-03	-0.04	2.35e-05	2.19e-06	0.0
491	34	7.70e-04	-2.29e-03	-0.04	2.38e-05	2.50e-06	0.0
491	42	3.69e-03	-1.38e-03	-0.04	2.25e-05	3.34e-06	0.0
491	60	-1.07e-03	-3.84e-03	-0.04	2.45e-05	2.02e-06	0.0
491	66	1.19e-03	-3.39e-03	-0.04	2.49e-05	2.51e-06	0.0
491	70	6.36e-05	-5.25e-04	-0.04	2.63e-05	3.05e-06	0.0
491	72	5.43e-05	-4.52e-04	-0.04	2.27e-05	2.60e-06	0.0
492	2	7.56e-05	3.20e-04	-0.05	-1.50e-05	3.65e-06	0.0
492	17	2.33e-03	7.94e-04	-0.04	-9.75e-06	2.75e-06	0.0
492	23	-6.46e-04	2.34e-03	-0.04	-1.08e-05	1.98e-06	0.0
492	29	7.43e-04	2.05e-03	-0.04	-1.11e-05	2.30e-06	0.0
492	49	3.68e-03	1.15e-03	-0.04	-1.00e-05	3.07e-06	0.0
492	55	-1.05e-03	3.60e-03	-0.04	-1.17e-05	1.84e-06	0.0
492	61	1.15e-03	3.15e-03	-0.04	-1.22e-05	2.35e-06	0.0
492	70	5.65e-05	2.39e-04	-0.04	-1.12e-05	2.73e-06	0.0
492	72	4.81e-05	2.06e-04	-0.04	-9.68e-06	2.32e-06	0.0
493	2	1.04e-04	1.34e-03	-0.05	-6.51e-05	5.08e-06	0.0
493	17	2.37e-03	1.43e-03	-0.04	-4.07e-05	3.68e-06	0.0
493	23	-6.59e-04	2.98e-03	-0.04	-4.26e-05	2.67e-06	0.0
493	29	8.11e-04	2.69e-03	-0.04	-4.27e-05	2.97e-06	0.0
493	49	3.73e-03	1.78e-03	-0.04	-4.10e-05	4.01e-06	0.0
493	55	-1.08e-03	4.26e-03	-0.04	-4.40e-05	2.40e-06	0.0
493	61	1.25e-03	3.80e-03	-0.04	-4.41e-05	2.88e-06	0.0
493	70	7.76e-05	1.00e-03	-0.04	-4.86e-05	3.80e-06	0.0
493	72	6.65e-05	8.62e-04	-0.04	-4.19e-05	3.25e-06	0.0
494	2	1.77e-04	2.35e-03	-0.05	-1.14e-04	8.80e-06	0.0
494	17	2.45e-03	2.05e-03	-0.04	-7.13e-05	6.06e-06	0.0
494	23	-6.45e-04	3.64e-03	-0.04	-7.49e-05	4.77e-06	0.0
494	35	-4.62e-04	3.35e-03	-0.04	-7.50e-05	4.61e-06	0.0
494	49	3.82e-03	2.41e-03	-0.04	-7.17e-05	6.43e-06	0.0
494	55	-1.09e-03	4.94e-03	-0.04	-7.74e-05	4.38e-06	0.0
494	67	-7.98e-04	4.47e-03	-0.04	-7.75e-05	4.12e-06	0.0
494	70	1.33e-04	1.75e-03	-0.04	-8.55e-05	6.59e-06	0.0
494	72	1.14e-04	1.51e-03	-0.04	-7.37e-05	5.68e-06	0.0
495	2	3.12e-04	3.31e-03	-0.06	-1.62e-04	1.58e-05	0.0
495	17	2.56e-03	2.60e-03	-0.04	-1.01e-04	1.05e-05	0.0
495	23	-5.92e-04	4.30e-03	-0.04	-1.07e-04	8.96e-06	0.0
495	35	-3.32e-04	4.01e-03	-0.04	-1.07e-04	8.60e-06	0.0
495	49	3.95e-03	2.93e-03	-0.04	-1.01e-04	1.09e-05	0.0
495	55	-1.06e-03	5.63e-03	-0.04	-1.11e-04	8.45e-06	0.0
495	67	-6.42e-04	5.17e-03	-0.04	-1.11e-04	7.87e-06	0.0
495	70	2.34e-04	2.47e-03	-0.05	-1.21e-04	1.19e-05	0.0
495	72	2.02e-04	2.13e-03	-0.04	-1.04e-04	1.02e-05	0.0
496	2	5.35e-04	4.18e-03	-0.07	-2.04e-04	2.78e-05	0.0
496	17	2.72e-03	3.15e-03	-0.05	-1.27e-04	1.78e-05	0.0
496	23	-4.81e-04	4.91e-03	-0.05	-1.37e-04	1.66e-05	0.0
496	27	-5.03e-04	4.90e-03	-0.05	-1.37e-04	1.65e-05	0.0
496	49	4.13e-03	3.50e-03	-0.05	-1.28e-04	1.82e-05	0.0
496	55	-9.60e-04	6.29e-03	-0.05	-1.44e-04	1.62e-05	0.0
496	59	-9.96e-04	6.28e-03	-0.05	-1.44e-04	1.60e-05	0.0
496	70	4.01e-04	3.12e-03	-0.05	-1.52e-04	2.08e-05	0.0
496	72	3.46e-04	2.68e-03	-0.05	-1.31e-04	1.80e-05	0.0
497	2	8.54e-04	4.83e-03	-0.08	-2.36e-04	4.59e-05	0.0
497	17	2.94e-03	3.57e-03	-0.06	-1.47e-04	2.95e-05	0.0
497	23	-2.85e-04	5.40e-03	-0.06	-1.61e-04	2.95e-05	0.0
497	27	-3.10e-04	5.39e-03	-0.06	-1.61e-04	2.95e-05	0.0
497	49	4.36e-03	3.93e-03	-0.06	-1.49e-04	3.01e-05	0.0
497	55	-7.65e-04	6.83e-03	-0.06	-1.70e-04	3.02e-05	0.0
497	59	-8.05e-04	6.82e-03	-0.06	-1.70e-04	3.01e-05	0.0
497	70	6.40e-04	3.61e-03	-0.06	-1.76e-04	3.44e-05	0.0
497	72	5.52e-04	3.09e-03	-0.06	-1.51e-04	2.96e-05	0.0
498	2	1.26e-03	5.08e-03	-0.09	-2.48e-04	6.72e-05	0.0
498	17	3.21e-03	3.78e-03	-0.06	-1.55e-04	4.30e-05	0.0
498	23	-1.02e-05	5.60e-03	-0.07	-1.71e-04	4.54e-05	0.0
498	27	-3.92e-05	5.58e-03	-0.07	-1.71e-04	4.54e-05	0.0
498	49	4.65e-03	4.18e-03	-0.06	-1.57e-04	4.40e-05	0.0
498	55	-4.73e-04	7.07e-03	-0.07	-1.82e-04	4.78e-05	0.0
498	59	-5.19e-04	7.04e-03	-0.07	-1.82e-04	4.78e-05	0.0



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498	70	9.43e-04	3.79e-03	-0.07	-1.85e-04	5.03e-05	0.0
498	72	8.10e-04	3.25e-03	-0.07	-1.59e-04	4.32e-05	0.0
499	2	9.71e-04	-5.90e-03	-0.10	2.84e-04	5.20e-05	0.0
499	10	3.09e-03	-4.28e-03	-0.07	1.78e-04	3.63e-05	0.0
499	24	-2.44e-04	-6.22e-03	-0.07	1.97e-04	3.42e-05	0.0
499	28	-2.12e-04	-6.23e-03	-0.07	1.97e-04	3.45e-05	0.0
499	42	4.57e-03	-4.69e-03	-0.07	1.81e-04	3.88e-05	0.0
499	56	-7.41e-04	-7.76e-03	-0.07	2.11e-04	3.55e-05	0.0
499	60	-6.89e-04	-7.79e-03	-0.07	2.11e-04	3.59e-05	0.0
499	70	7.26e-04	-4.41e-03	-0.07	2.12e-04	3.89e-05	0.0
499	72	6.24e-04	-3.76e-03	-0.07	1.81e-04	3.34e-05	0.0
500	2	5.46e-04	-5.96e-03	-0.09	2.83e-04	3.40e-05	0.0
500	10	2.84e-03	-4.26e-03	-0.06	1.77e-04	2.51e-05	0.0
500	24	-5.53e-04	-6.24e-03	-0.06	1.96e-04	1.93e-05	0.0
500	28	-5.21e-04	-6.24e-03	-0.06	1.95e-04	1.97e-05	0.0
500	42	4.31e-03	-4.62e-03	-0.06	1.79e-04	2.73e-05	0.0
500	56	-1.08e-03	-7.77e-03	-0.06	2.09e-04	1.82e-05	0.0
500	60	-1.03e-03	-7.77e-03	-0.06	2.08e-04	1.89e-05	0.0
500	70	4.09e-04	-4.45e-03	-0.07	2.12e-04	2.55e-05	0.0
500	72	3.57e-04	-3.80e-03	-0.06	1.81e-04	2.20e-05	0.0
501	2	4.20e-04	-4.85e-03	-0.08	2.36e-04	2.20e-05	0.0
501	10	2.72e-03	-3.56e-03	-0.05	1.47e-04	1.69e-05	0.0
501	24	-5.99e-04	-5.39e-03	-0.05	1.59e-04	1.20e-05	0.0
501	28	-5.72e-04	-5.39e-03	-0.05	1.59e-04	1.23e-05	0.0
501	42	4.17e-03	-3.91e-03	-0.05	1.49e-04	1.87e-05	0.0
501	56	-1.11e-03	-6.81e-03	-0.06	1.67e-04	1.10e-05	0.0
501	60	-1.06e-03	-6.82e-03	-0.06	1.67e-04	1.16e-05	0.0
501	70	3.14e-04	-3.62e-03	-0.06	1.76e-04	1.65e-05	0.0
501	72	2.72e-04	-3.11e-03	-0.05	1.52e-04	1.42e-05	0.0
502	2	2.18e-04	-3.88e-03	-0.06	1.90e-04	1.08e-05	0.0
502	10	2.54e-03	-2.95e-03	-0.05	1.19e-04	8.82e-06	0.0
502	28	-6.64e-04	-4.70e-03	-0.05	1.26e-04	5.52e-06	0.0
502	34	1.01e-03	-4.33e-03	-0.05	1.25e-04	6.23e-06	0.0
502	42	3.96e-03	-3.28e-03	-0.05	1.19e-04	1.01e-05	0.0
502	60	-1.13e-03	-6.06e-03	-0.05	1.31e-04	4.84e-06	0.0
502	66	1.52e-03	-5.47e-03	-0.05	1.29e-04	5.97e-06	0.0
502	70	1.63e-04	-2.90e-03	-0.05	1.42e-04	8.07e-06	0.0
502	72	1.41e-04	-2.49e-03	-0.05	1.22e-04	6.95e-06	0.0
503	2	9.60e-05	-2.84e-03	-0.06	1.40e-04	4.53e-06	0.0
503	10	2.42e-03	-2.35e-03	-0.04	8.74e-05	4.25e-06	0.0
503	28	-7.07e-04	-3.99e-03	-0.04	9.13e-05	1.95e-06	0.0
503	30	8.95e-04	-3.66e-03	-0.04	9.09e-05	2.65e-06	0.0
503	42	3.81e-03	-2.70e-03	-0.04	8.80e-05	5.13e-06	0.0
503	60	-1.16e-03	-5.31e-03	-0.04	9.43e-05	1.47e-06	0.0
503	62	1.39e-03	-4.78e-03	-0.04	9.37e-05	2.60e-06	0.0
503	70	7.17e-05	-2.12e-03	-0.04	1.04e-04	3.38e-06	0.0
503	72	6.12e-05	-1.83e-03	-0.04	8.99e-05	2.88e-06	0.0
504	2	3.01e-05	-1.79e-03	-0.05	8.81e-05	1.29e-06	0.0
504	10	2.34e-03	-1.69e-03	-0.04	5.52e-05	1.80e-06	0.0
504	28	-7.16e-04	-3.30e-03	-0.04	5.72e-05	0.0	0.0
504	30	7.96e-04	-2.97e-03	-0.04	5.73e-05	0.0	0.0
504	42	3.72e-03	-2.04e-03	-0.04	5.56e-05	2.43e-06	0.0
504	60	-1.15e-03	-4.59e-03	-0.04	5.89e-05	0.0	0.0
504	62	1.26e-03	-4.07e-03	-0.04	5.90e-05	0.0	0.0
504	70	2.23e-05	-1.33e-03	-0.04	6.58e-05	0.0	0.0
504	72	1.83e-05	-1.15e-03	-0.04	5.68e-05	0.0	0.0
505	1	-2.34e-06	-5.86e-04	-0.05	2.93e-05	0.0	0.0
505	2	0.0	-7.27e-04	-0.05	3.63e-05	0.0	0.0
505	11	-2.30e-03	1.35e-04	-0.04	2.20e-05	-1.05e-06	0.0
505	22	6.63e-04	-2.62e-03	-0.04	2.40e-05	0.0	0.0
505	30	7.21e-04	-2.29e-03	-0.04	2.43e-05	0.0	0.0
505	43	-3.65e-03	4.80e-04	-0.04	2.17e-05	-1.56e-06	0.0
505	54	1.06e-03	-3.90e-03	-0.04	2.49e-05	0.0	0.0
505	62	1.15e-03	-3.38e-03	-0.04	2.54e-05	0.0	0.0
505	69	-1.83e-06	-4.49e-04	-0.04	2.25e-05	0.0	0.0
505	70	0.0	-5.43e-04	-0.04	2.71e-05	0.0	0.0
505	71	-1.83e-06	-4.49e-04	-0.04	2.25e-05	0.0	0.0
505	72	-1.58e-06	-4.68e-04	-0.04	2.34e-05	0.0	0.0
506	1	-7.12e-06	2.66e-04	-0.05	-1.24e-05	0.0	0.0
506	2	-6.35e-06	3.30e-04	-0.05	-1.54e-05	0.0	0.0
506	17	2.28e-03	7.87e-04	-0.04	-9.98e-06	0.0	0.0
506	20	-2.30e-03	-3.78e-04	-0.04	-9.10e-06	-1.19e-06	0.0
506	23	-6.98e-04	2.37e-03	-0.04	-1.09e-05	0.0	0.0
506	49	3.64e-03	1.13e-03	-0.04	-1.02e-05	0.0	0.0
506	52	-3.65e-03	-7.22e-04	-0.04	-8.84e-06	-1.68e-06	0.0
506	55	-1.11e-03	3.64e-03	-0.04	-1.17e-05	0.0	0.0



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506	69	-5.50e-06	2.04e-04	-0.04	-9.54e-06	0.0	0.0
506	70	-4.99e-06	2.47e-04	-0.04	-1.15e-05	0.0	0.0
506	71	-5.50e-06	2.04e-04	-0.04	-9.54e-06	0.0	0.0
506	72	-5.40e-06	2.13e-04	-0.04	-9.93e-06	0.0	0.0
507	2	1.04e-05	1.39e-03	-0.05	-6.71e-05	0.0	0.0
507	17	2.32e-03	1.44e-03	-0.04	-4.22e-05	1.17e-06	0.0
507	23	-7.17e-04	3.04e-03	-0.04	-4.37e-05	0.0	0.0
507	33	7.63e-04	2.71e-03	-0.04	-4.39e-05	0.0	0.0
507	49	3.69e-03	1.79e-03	-0.04	-4.25e-05	1.76e-06	0.0
507	55	-1.14e-03	4.32e-03	-0.04	-4.49e-05	0.0	0.0
507	65	1.21e-03	3.81e-03	-0.04	-4.52e-05	0.0	0.0
507	70	7.53e-06	1.04e-03	-0.04	-5.02e-05	0.0	0.0
507	72	5.51e-06	8.94e-04	-0.04	-4.33e-05	0.0	0.0
508	2	5.58e-05	2.45e-03	-0.05	-1.19e-04	2.71e-06	0.0
508	17	2.39e-03	2.10e-03	-0.04	-7.44e-05	2.95e-06	0.0
508	23	-7.19e-04	3.73e-03	-0.04	-7.74e-05	0.0	0.0
508	33	8.49e-04	3.40e-03	-0.04	-7.73e-05	1.56e-06	0.0
508	49	3.77e-03	2.45e-03	-0.04	-7.49e-05	3.74e-06	0.0
508	55	-1.16e-03	5.04e-03	-0.04	-7.98e-05	0.0	0.0
508	65	1.33e-03	4.51e-03	-0.04	-7.95e-05	1.52e-06	0.0
508	70	4.16e-05	1.83e-03	-0.04	-8.88e-05	2.02e-06	0.0
508	72	3.51e-05	1.58e-03	-0.04	-7.66e-05	1.70e-06	0.0
509	2	1.44e-04	3.50e-03	-0.06	-1.70e-04	7.31e-06	0.0
509	17	2.48e-03	2.76e-03	-0.04	-1.06e-04	6.42e-06	0.0
509	23	-6.98e-04	4.44e-03	-0.04	-1.12e-04	3.44e-06	0.0
509	29	9.42e-04	4.07e-03	-0.04	-1.11e-04	4.12e-06	0.0
509	49	3.89e-03	3.12e-03	-0.04	-1.07e-04	7.55e-06	0.0
509	55	-1.16e-03	5.78e-03	-0.04	-1.16e-04	2.80e-06	0.0
509	61	1.44e-03	5.20e-03	-0.05	-1.15e-04	3.90e-06	0.0
509	70	1.08e-04	2.61e-03	-0.05	-1.27e-04	5.47e-06	0.0
509	72	9.26e-05	2.25e-03	-0.04	-1.09e-04	4.70e-06	0.0
510	2	2.83e-04	4.51e-03	-0.07	-2.19e-04	1.55e-05	0.0
510	17	2.62e-03	3.35e-03	-0.05	-1.37e-04	1.24e-05	0.0
510	23	-6.46e-04	5.15e-03	-0.05	-1.46e-04	8.25e-06	0.0
510	27	-6.73e-04	5.14e-03	-0.05	-1.46e-04	7.97e-06	0.0
510	49	4.05e-03	3.69e-03	-0.05	-1.38e-04	1.40e-05	0.0
510	55	-1.13e-03	6.54e-03	-0.05	-1.53e-04	7.44e-06	0.0
510	59	-1.17e-03	6.54e-03	-0.05	-1.53e-04	6.98e-06	0.0
510	70	2.12e-04	3.37e-03	-0.05	-1.63e-04	1.16e-05	0.0
510	72	1.84e-04	2.90e-03	-0.05	-1.41e-04	1.00e-05	0.0
511	2	2.62e-04	5.69e-03	-0.08	-2.71e-04	2.17e-05	0.0
511	17	2.66e-03	4.09e-03	-0.06	-1.69e-04	1.75e-05	0.0
511	23	-7.08e-04	6.01e-03	-0.06	-1.85e-04	1.18e-05	0.0
511	27	-7.41e-04	6.01e-03	-0.06	-1.85e-04	1.14e-05	0.0
511	49	4.12e-03	4.45e-03	-0.06	-1.70e-04	1.97e-05	0.0
511	55	-1.22e-03	7.51e-03	-0.06	-1.96e-04	1.07e-05	0.0
511	59	-1.28e-03	7.50e-03	-0.06	-1.97e-04	1.01e-05	0.0
511	70	1.97e-04	4.25e-03	-0.06	-2.02e-04	1.63e-05	0.0
511	72	1.75e-04	3.64e-03	-0.06	-1.73e-04	1.42e-05	0.0
512	2	9.63e-04	5.88e-03	-0.10	-2.83e-04	5.16e-05	0.0
512	17	3.08e-03	4.28e-03	-0.07	-1.78e-04	3.60e-05	0.0
512	25	1.19e-03	6.21e-03	-0.07	-1.96e-04	3.62e-05	0.0
512	27	-2.43e-04	6.19e-03	-0.07	-1.96e-04	3.41e-05	0.0
512	49	4.55e-03	4.69e-03	-0.07	-1.81e-04	3.86e-05	0.0
512	57	1.54e-03	7.77e-03	-0.07	-2.09e-04	3.87e-05	0.0
512	59	-7.36e-04	7.73e-03	-0.07	-2.10e-04	3.55e-05	0.0
512	70	7.21e-04	4.39e-03	-0.07	-2.11e-04	3.86e-05	0.0
512	72	6.19e-04	3.74e-03	-0.07	-1.80e-04	3.31e-05	0.0
513	2	2.45e-04	4.43e-03	-0.07	-2.17e-04	1.02e-05	0.0
513	17	2.61e-03	2.97e-03	-0.05	-1.37e-04	5.97e-06	0.0
513	21	7.03e-04	5.53e-03	-0.05	-1.47e-04	4.12e-06	0.0
513	23	-6.59e-04	5.38e-03	-0.05	-1.47e-04	3.81e-06	0.0
513	49	4.07e-03	3.09e-03	-0.05	-1.38e-04	6.31e-06	0.0
513	53	1.04e-03	7.16e-03	-0.05	-1.54e-04	3.36e-06	0.0
513	55	-1.13e-03	6.92e-03	-0.05	-1.54e-04	2.86e-06	0.0
513	70	1.81e-04	3.31e-03	-0.05	-1.63e-04	7.52e-06	0.0
513	72	1.45e-04	2.87e-03	-0.05	-1.41e-04	5.83e-06	0.0
514	2	-4.00e-04	-5.88e-03	-0.09	2.92e-04	-2.03e-05	0.0
514	11	-2.92e-03	-2.94e-03	-0.06	1.72e-04	2.86e-05	0.0
514	22	3.65e-04	-6.17e-03	-0.06	2.01e-04	-1.02e-05	0.0
514	43	-4.50e-03	-2.55e-03	-0.06	1.69e-04	-3.01e-05	0.0
514	54	7.31e-04	-7.69e-03	-0.07	2.14e-04	-8.61e-06	0.0
514	70	-3.00e-04	-4.39e-03	-0.07	2.18e-04	-1.52e-05	0.0
514	72	-2.64e-04	-3.76e-03	-0.06	1.87e-04	-1.34e-05	0.0
515	2	-2.94e-04	-5.03e-03	-0.08	2.45e-04	-1.53e-05	0.0
515	11	-2.67e-03	-2.46e-03	-0.05	1.47e-04	-1.41e-05	0.0



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515	22	4.10e-04	-5.53e-03	-0.05	1.65e-04	-8.76e-06	0.0
515	43	-4.13e-03	-2.08e-03	-0.05	1.44e-04	-1.67e-05	0.0
515	54	7.62e-04	-6.97e-03	-0.06	1.73e-04	-8.18e-06	0.0
515	70	-2.21e-04	-3.75e-03	-0.06	1.83e-04	-1.15e-05	0.0
515	72	-1.94e-04	-3.22e-03	-0.05	1.58e-04	-1.01e-05	0.0
516	2	-2.43e-04	-3.97e-03	-0.06	1.94e-04	-1.24e-05	0.0
516	11	-2.58e-03	-1.84e-03	-0.05	1.17e-04	-1.10e-05	0.0
516	22	4.56e-04	-4.78e-03	-0.05	1.28e-04	-7.24e-06	0.0
516	30	7.50e-04	-4.37e-03	-0.05	1.27e-04	-7.56e-06	0.0
516	43	-4.01e-03	-1.48e-03	-0.05	1.15e-04	-1.27e-05	0.0
516	54	8.16e-04	-6.16e-03	-0.05	1.33e-04	-6.84e-06	0.0
516	62	1.28e-03	-5.50e-03	-0.05	1.32e-04	-7.35e-06	0.0
516	70	-1.82e-04	-2.97e-03	-0.05	1.45e-04	-9.34e-06	0.0
516	72	-1.60e-04	-2.55e-03	-0.05	1.25e-04	-8.20e-06	0.0
517	2	-2.03e-04	-2.88e-03	-0.06	1.41e-04	-1.03e-05	0.0
517	11	-2.50e-03	-1.19e-03	-0.04	8.56e-05	-8.47e-06	0.0
517	22	4.97e-04	-4.05e-03	-0.04	9.24e-05	-6.15e-06	0.0
517	30	7.12e-04	-3.64e-03	-0.04	9.22e-05	-6.34e-06	0.0
517	43	-3.90e-03	-8.42e-04	-0.04	8.45e-05	-9.59e-06	0.0
517	54	8.67e-04	-5.39e-03	-0.04	9.54e-05	-5.90e-06	0.0
517	62	1.21e-03	-4.74e-03	-0.04	9.50e-05	-6.20e-06	0.0
517	70	-1.53e-04	-2.16e-03	-0.04	1.06e-04	-7.74e-06	0.0
517	72	-1.34e-04	-1.86e-03	-0.04	9.11e-05	-6.81e-06	0.0
518	2	-1.75e-04	-1.80e-03	-0.05	8.88e-05	-8.78e-06	0.0
518	11	-2.44e-03	-5.36e-04	-0.04	5.37e-05	-6.91e-06	0.0
518	22	5.35e-04	-3.34e-03	-0.04	5.77e-05	-5.33e-06	0.0
518	30	6.70e-04	-2.94e-03	-0.04	5.78e-05	-5.42e-06	0.0
518	43	-3.82e-03	-1.95e-04	-0.04	5.30e-05	-7.67e-06	0.0
518	54	9.16e-04	-4.65e-03	-0.04	5.92e-05	-5.14e-06	0.0
518	62	1.13e-03	-4.02e-03	-0.04	5.95e-05	-5.30e-06	0.0
518	70	-1.32e-04	-1.35e-03	-0.04	6.64e-05	-6.60e-06	0.0
518	72	-1.16e-04	-1.16e-03	-0.04	5.72e-05	-5.82e-06	0.0
519	2	-1.59e-04	-7.32e-04	-0.05	3.65e-05	-7.92e-06	0.0
519	10	2.20e-03	-1.02e-03	-0.04	2.34e-05	-4.13e-06	0.0
519	11	-2.40e-03	1.18e-04	-0.04	2.18e-05	-6.06e-06	0.0
519	22	5.67e-04	-2.65e-03	-0.04	2.41e-05	-4.84e-06	0.0
519	42	3.56e-03	-1.36e-03	-0.04	2.39e-05	-3.56e-06	0.0
519	43	-3.76e-03	4.55e-04	-0.04	2.13e-05	-6.63e-06	0.0
519	54	9.61e-04	-3.95e-03	-0.04	2.50e-05	-4.68e-06	0.0
519	70	-1.20e-04	-5.47e-04	-0.04	2.73e-05	-5.96e-06	0.0
519	72	-1.05e-04	-4.71e-04	-0.04	2.36e-05	-5.27e-06	0.0
520	2	-1.57e-04	3.33e-04	-0.05	-1.55e-05	-7.76e-06	0.0
520	17	2.19e-03	7.74e-04	-0.04	-1.03e-05	-4.07e-06	0.0
520	20	-2.39e-03	-3.62e-04	-0.04	-8.86e-06	-5.91e-06	0.0
520	23	-7.92e-04	2.40e-03	-0.04	-1.09e-05	-5.23e-06	0.0
520	49	3.55e-03	1.11e-03	-0.04	-1.07e-05	-3.52e-06	0.0
520	52	-3.75e-03	-6.97e-04	-0.04	-8.44e-06	-6.46e-06	0.0
520	55	-1.20e-03	3.69e-03	-0.04	-1.16e-05	-5.38e-06	0.0
520	70	-1.18e-04	2.49e-04	-0.04	-1.16e-05	-5.83e-06	0.0
520	72	-1.04e-04	2.14e-04	-0.04	-9.98e-06	-5.16e-06	0.0
521	2	-1.67e-04	1.40e-03	-0.05	-6.76e-05	-8.29e-06	0.0
521	17	2.22e-03	1.44e-03	-0.04	-4.29e-05	-4.16e-06	0.0
521	20	-2.43e-03	2.92e-04	-0.04	-4.08e-05	-6.49e-06	0.0
521	25	5.49e-04	3.07e-03	-0.04	-4.39e-05	-5.03e-06	0.0
521	49	3.59e-03	1.78e-03	-0.04	-4.35e-05	-3.47e-06	0.0
521	52	-3.80e-03	-4.63e-05	-0.04	-4.02e-05	-7.17e-06	0.0
521	57	9.36e-04	4.38e-03	-0.04	-4.51e-05	-4.86e-06	0.0
521	70	-1.26e-04	1.05e-03	-0.04	-5.05e-05	-6.23e-06	0.0
521	72	-1.11e-04	9.02e-04	-0.04	-4.36e-05	-5.50e-06	0.0
522	2	-1.90e-04	2.48e-03	-0.05	-1.20e-04	-9.48e-06	0.0
522	20	-2.48e-03	9.47e-04	-0.04	-7.27e-05	-7.74e-06	0.0
522	25	5.14e-04	3.78e-03	-0.04	-7.82e-05	-5.68e-06	0.0
522	33	6.98e-04	3.38e-03	-0.04	-7.81e-05	-5.82e-06	0.0
522	52	-3.87e-03	6.02e-04	-0.04	-7.17e-05	-8.73e-06	0.0
522	57	8.89e-04	5.10e-03	-0.04	-8.04e-05	-5.45e-06	0.0
522	65	1.18e-03	4.47e-03	-0.04	-8.04e-05	-5.67e-06	0.0
522	70	-1.43e-04	1.85e-03	-0.04	-8.97e-05	-7.12e-06	0.0
522	72	-1.26e-04	1.59e-03	-0.04	-7.74e-05	-6.28e-06	0.0
523	2	-2.24e-04	3.57e-03	-0.06	-1.73e-04	-1.13e-05	0.0
523	20	-2.55e-03	1.60e-03	-0.04	-1.04e-04	-9.79e-06	0.0
523	25	4.75e-04	4.51e-03	-0.04	-1.14e-04	-6.61e-06	0.0
523	33	7.38e-04	4.09e-03	-0.04	-1.13e-04	-6.87e-06	0.0
523	52	-3.97e-03	1.25e-03	-0.04	-1.03e-04	-1.13e-05	0.0
523	57	8.40e-04	5.87e-03	-0.04	-1.18e-04	-6.26e-06	0.0
523	65	1.26e-03	5.21e-03	-0.05	-1.17e-04	-6.67e-06	0.0
523	70	-1.69e-04	2.66e-03	-0.05	-1.29e-04	-8.47e-06	0.0



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523	72	-1.48e-04	2.29e-03	-0.04	-1.11e-04	-7.46e-06	0.0
524	2	-2.69e-04	4.65e-03	-0.07	-2.25e-04	-1.38e-05	0.0
524	20	-2.64e-03	2.24e-03	-0.05	-1.35e-04	-1.27e-05	0.0
524	25	4.33e-04	5.26e-03	-0.05	-1.50e-04	-7.87e-06	0.0
524	52	-4.09e-03	1.87e-03	-0.05	-1.33e-04	-1.51e-05	0.0
524	57	7.90e-04	6.67e-03	-0.05	-1.57e-04	-7.34e-06	0.0
524	70	-2.02e-04	3.47e-03	-0.05	-1.68e-04	-1.04e-05	0.0
524	72	-1.77e-04	2.98e-03	-0.05	-1.45e-04	-9.10e-06	0.0
525	2	-3.43e-04	5.59e-03	-0.08	-2.74e-04	-1.78e-05	0.0
525	20	-2.82e-03	2.78e-03	-0.06	-1.63e-04	-1.91e-05	0.0
525	25	3.96e-04	5.93e-03	-0.06	-1.86e-04	-9.48e-06	0.0
525	52	-4.35e-03	2.40e-03	-0.06	-1.60e-04	-2.36e-05	0.0
525	57	7.60e-04	7.40e-03	-0.06	-1.96e-04	-8.37e-06	0.0
525	70	-2.57e-04	4.17e-03	-0.06	-2.04e-04	-1.34e-05	0.0
525	72	-2.27e-04	3.58e-03	-0.06	-1.75e-04	-1.18e-05	0.0
526	2	4.33e-04	5.11e-03	-0.08	-2.50e-04	2.12e-05	0.0
526	17	2.75e-03	3.40e-03	-0.06	-1.58e-04	1.22e-05	0.0
526	21	7.95e-04	6.03e-03	-0.06	-1.71e-04	1.06e-05	0.0
526	23	-5.59e-04	5.87e-03	-0.06	-1.71e-04	1.04e-05	0.0
526	49	4.23e-03	3.53e-03	-0.06	-1.59e-04	1.22e-05	0.0
526	53	1.12e-03	7.72e-03	-0.06	-1.80e-04	9.68e-06	0.0
526	55	-1.04e-03	7.47e-03	-0.06	-1.81e-04	9.39e-06	0.0
526	70	3.22e-04	3.82e-03	-0.06	-1.87e-04	1.57e-05	0.0
526	72	2.64e-04	3.30e-03	-0.06	-1.62e-04	1.28e-05	0.0
527	2	6.97e-04	5.36e-03	-0.10	-2.62e-04	3.43e-05	0.0
527	17	2.94e-03	3.57e-03	-0.07	-1.67e-04	2.00e-05	0.0
527	21	9.41e-04	6.24e-03	-0.07	-1.82e-04	2.19e-05	0.0
527	23	-4.07e-04	6.08e-03	-0.07	-1.81e-04	2.16e-05	0.0
527	49	4.43e-03	3.71e-03	-0.07	-1.70e-04	2.01e-05	0.0
527	53	1.26e-03	7.97e-03	-0.07	-1.93e-04	2.31e-05	0.0
527	55	-8.87e-04	7.72e-03	-0.07	-1.92e-04	2.27e-05	0.0
527	70	5.18e-04	4.01e-03	-0.07	-1.96e-04	2.55e-05	0.0
527	72	4.29e-04	3.46e-03	-0.07	-1.70e-04	2.10e-05	0.0
528	2	3.44e-04	-5.93e-03	-0.10	2.87e-04	1.70e-05	0.0
528	10	2.79e-03	-3.89e-03	-0.07	1.82e-04	1.27e-05	0.0
528	26	7.32e-04	-6.65e-03	-0.07	1.99e-04	1.19e-05	0.0
528	28	-6.44e-04	-6.48e-03	-0.07	1.98e-04	1.04e-05	0.0
528	42	4.32e-03	-4.04e-03	-0.07	1.85e-04	1.46e-05	0.0
528	58	1.05e-03	-8.42e-03	-0.07	2.12e-04	1.34e-05	0.0
528	60	-1.14e-03	-8.15e-03	-0.07	2.11e-04	1.09e-05	0.0
528	70	2.55e-04	-4.43e-03	-0.07	2.14e-04	1.26e-05	0.0
528	72	2.06e-04	-3.81e-03	-0.07	1.84e-04	1.01e-05	0.0
529	1	-3.53e-05	-4.85e-03	-0.08	2.33e-04	1.23e-06	0.0
529	2	-2.85e-05	-6.03e-03	-0.09	2.88e-04	2.71e-06	0.0
529	11	-2.63e-03	-3.52e-03	-0.06	1.76e-04	-2.99e-06	0.0
529	22	5.63e-04	-6.51e-03	-0.06	1.98e-04	0.0	0.0
529	24	-9.41e-04	-6.69e-03	-0.06	1.99e-04	-2.72e-06	0.0
529	43	-4.17e-03	-3.41e-03	-0.06	1.74e-04	-5.31e-06	0.0
529	54	9.11e-04	-8.16e-03	-0.07	2.09e-04	0.0	0.0
529	56	-1.48e-03	-8.43e-03	-0.07	2.10e-04	-4.88e-06	0.0
529	69	-2.71e-05	-3.72e-03	-0.06	1.78e-04	0.0	0.0
529	70	-2.26e-05	-4.51e-03	-0.07	2.16e-04	1.93e-06	0.0
529	71	-2.71e-05	-3.72e-03	-0.06	1.78e-04	0.0	0.0
529	72	-2.62e-05	-3.88e-03	-0.06	1.86e-04	1.13e-06	0.0
530	1	-1.16e-05	-4.03e-03	-0.07	1.97e-04	-1.90e-06	0.0
530	2	7.60e-06	-4.98e-03	-0.08	2.43e-04	-1.03e-06	0.0
530	11	-2.55e-03	-2.90e-03	-0.05	1.48e-04	-4.01e-06	0.0
530	22	6.01e-04	-5.74e-03	-0.06	1.64e-04	-2.31e-06	0.0
530	26	5.54e-04	-5.90e-03	-0.06	1.64e-04	-2.61e-06	0.0
530	43	-4.04e-03	-2.78e-03	-0.05	1.46e-04	-5.51e-06	0.0
530	54	9.60e-04	-7.29e-03	-0.06	1.72e-04	-2.81e-06	0.0
530	58	8.87e-04	-7.55e-03	-0.06	1.72e-04	-3.28e-06	0.0
530	69	-8.91e-06	-3.09e-03	-0.05	1.51e-04	-1.47e-06	0.0
530	70	3.88e-06	-3.73e-03	-0.06	1.82e-04	0.0	0.0
530	71	-8.91e-06	-3.09e-03	-0.05	1.51e-04	-1.47e-06	0.0
530	72	-6.36e-06	-3.22e-03	-0.06	1.57e-04	-1.35e-06	0.0
531	1	-6.52e-05	-3.26e-03	-0.06	1.60e-04	-5.46e-06	0.0
531	2	-5.94e-05	-4.01e-03	-0.07	1.96e-04	-5.50e-06	0.0
531	11	-2.52e-03	-2.31e-03	-0.05	1.20e-04	-5.71e-06	0.0
531	22	5.72e-04	-5.05e-03	-0.05	1.31e-04	-4.83e-06	0.0
531	26	5.37e-04	-5.21e-03	-0.05	1.31e-04	-5.03e-06	0.0
531	43	-3.98e-03	-2.20e-03	-0.05	1.19e-04	-6.60e-06	0.0
531	54	9.40e-04	-6.56e-03	-0.05	1.37e-04	-5.20e-06	0.0
531	58	8.84e-04	-6.81e-03	-0.05	1.36e-04	-5.51e-06	0.0
531	69	-5.02e-05	-2.50e-03	-0.05	1.23e-04	-4.20e-06	0.0
531	70	-4.63e-05	-3.00e-03	-0.05	1.47e-04	-4.23e-06	0.0



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531	71	-5.02e-05	-2.50e-03	-0.05	1.23e-04	-4.20e-06	0.0
531	72	-4.94e-05	-2.60e-03	-0.05	1.27e-04	-4.21e-06	0.0
532	1	-8.28e-05	-2.41e-03	-0.05	1.18e-04	-6.52e-06	0.0
532	2	-8.25e-05	-2.96e-03	-0.06	1.45e-04	-6.88e-06	0.0
532	11	-2.48e-03	-1.67e-03	-0.04	8.87e-05	-5.85e-06	0.0
532	26	5.51e-04	-4.49e-03	-0.04	9.61e-05	-5.46e-06	0.0
532	28	-8.23e-04	-4.33e-03	-0.04	9.58e-05	-5.82e-06	0.0
532	43	-3.91e-03	-1.56e-03	-0.04	8.76e-05	-6.34e-06	0.0
532	58	9.13e-04	-6.05e-03	-0.04	9.93e-05	-5.73e-06	0.0
532	60	-1.27e-03	-5.80e-03	-0.04	9.88e-05	-6.29e-06	0.0
532	69	-6.36e-05	-1.85e-03	-0.04	9.07e-05	-5.02e-06	0.0
532	70	-6.34e-05	-2.21e-03	-0.04	1.09e-04	-5.26e-06	0.0
532	71	-6.36e-05	-1.85e-03	-0.04	9.07e-05	-5.02e-06	0.0
532	72	-6.36e-05	-1.92e-03	-0.04	9.43e-05	-5.07e-06	0.0
533	2	-8.28e-05	-1.87e-03	-0.05	9.18e-05	-6.96e-06	0.0
533	11	-2.44e-03	-9.97e-04	-0.04	5.60e-05	-5.44e-06	0.0
533	26	5.80e-04	-3.77e-03	-0.04	6.06e-05	-5.24e-06	0.0
533	28	-7.97e-04	-3.61e-03	-0.04	6.03e-05	-5.40e-06	0.0
533	43	-3.84e-03	-8.97e-04	-0.04	5.52e-05	-5.68e-06	0.0
533	58	9.59e-04	-5.30e-03	-0.04	6.24e-05	-5.36e-06	0.0
533	60	-1.23e-03	-5.05e-03	-0.04	6.21e-05	-5.62e-06	0.0
533	70	-6.36e-05	-1.40e-03	-0.04	6.87e-05	-5.32e-06	0.0
533	72	-6.32e-05	-1.21e-03	-0.04	5.97e-05	-5.09e-06	0.0
534	2	-7.81e-05	-7.69e-04	-0.05	3.79e-05	-6.77e-06	0.0
534	11	-2.40e-03	-3.18e-04	-0.04	2.28e-05	-5.08e-06	0.0
534	16	-2.37e-03	-9.65e-04	-0.04	2.40e-05	-5.05e-06	0.0
534	26	6.13e-04	-3.05e-03	-0.04	2.56e-05	-4.94e-06	0.0
534	43	-3.77e-03	-2.23e-04	-0.04	2.22e-05	-5.19e-06	0.0
534	48	-3.73e-03	-1.25e-03	-0.04	2.42e-05	-5.14e-06	0.0
534	58	1.01e-03	-4.57e-03	-0.04	2.67e-05	-4.96e-06	0.0
534	70	-6.00e-05	-5.76e-04	-0.04	2.83e-05	-5.17e-06	0.0
534	72	-5.98e-05	-5.00e-04	-0.04	2.46e-05	-4.95e-06	0.0
535	2	-7.70e-05	3.32e-04	-0.05	-1.61e-05	-6.77e-06	0.0
535	7	-2.37e-03	6.90e-04	-0.04	-1.04e-05	-5.03e-06	0.0
535	20	-2.38e-03	4.51e-05	-0.04	-9.30e-06	-5.04e-06	0.0
535	21	6.25e-04	2.78e-03	-0.04	-1.18e-05	-4.91e-06	0.0
535	39	-3.73e-03	9.76e-04	-0.04	-1.05e-05	-5.11e-06	0.0
535	52	-3.76e-03	-4.95e-05	-0.04	-8.84e-06	-5.13e-06	0.0
535	53	1.03e-03	4.29e-03	-0.04	-1.28e-05	-4.92e-06	0.0
535	70	-5.92e-05	2.49e-04	-0.04	-1.21e-05	-5.17e-06	0.0
535	72	-5.90e-05	2.16e-04	-0.04	-1.05e-05	-4.94e-06	0.0
536	2	-8.10e-05	1.43e-03	-0.05	-7.01e-05	-7.04e-06	0.0
536	20	-2.42e-03	7.26e-04	-0.04	-4.27e-05	-5.38e-06	0.0
536	21	5.92e-04	3.48e-03	-0.04	-4.64e-05	-5.24e-06	0.0
536	23	-7.85e-04	3.32e-03	-0.04	-4.62e-05	-5.36e-06	0.0
536	52	-3.82e-03	6.27e-04	-0.04	-4.20e-05	-5.56e-06	0.0
536	53	9.77e-04	5.01e-03	-0.04	-4.78e-05	-5.34e-06	0.0
536	55	-1.21e-03	4.75e-03	-0.04	-4.76e-05	-5.54e-06	0.0
536	70	-6.22e-05	1.07e-03	-0.04	-5.24e-05	-5.37e-06	0.0
536	72	-6.18e-05	9.30e-04	-0.04	-4.56e-05	-5.12e-06	0.0
537	2	-8.55e-05	2.53e-03	-0.05	-1.24e-04	-7.30e-06	0.0
537	20	-2.47e-03	1.40e-03	-0.04	-7.57e-05	-5.92e-06	0.0
537	21	5.59e-04	4.20e-03	-0.04	-8.17e-05	-5.65e-06	0.0
537	23	-8.14e-04	4.04e-03	-0.04	-8.14e-05	-5.92e-06	0.0
537	52	-3.89e-03	1.30e-03	-0.04	-7.47e-05	-6.30e-06	0.0
537	53	9.28e-04	5.75e-03	-0.04	-8.43e-05	-5.87e-06	0.0
537	55	-1.25e-03	5.49e-03	-0.04	-8.38e-05	-6.30e-06	0.0
537	70	-6.57e-05	1.89e-03	-0.04	-9.26e-05	-5.58e-06	0.0
537	72	-6.53e-05	1.64e-03	-0.04	-8.04e-05	-5.32e-06	0.0
538	1	-8.09e-05	2.93e-03	-0.06	-1.43e-04	-6.53e-06	0.0
538	2	-7.96e-05	3.60e-03	-0.06	-1.76e-04	-6.87e-06	0.0
538	20	-2.52e-03	2.06e-03	-0.04	-1.08e-04	-6.27e-06	0.0
538	21	5.34e-04	4.93e-03	-0.05	-1.17e-04	-5.74e-06	0.0
538	23	-8.38e-04	4.76e-03	-0.05	-1.17e-04	-6.30e-06	0.0
538	52	-3.96e-03	1.95e-03	-0.04	-1.06e-04	-7.00e-06	0.0
538	53	8.86e-04	6.51e-03	-0.05	-1.21e-04	-6.17e-06	0.0
538	55	-1.30e-03	6.25e-03	-0.05	-1.21e-04	-7.04e-06	0.0
538	69	-6.22e-05	2.24e-03	-0.04	-1.10e-04	-5.02e-06	0.0
538	70	-6.13e-05	2.69e-03	-0.05	-1.32e-04	-5.25e-06	0.0
538	71	-6.22e-05	2.24e-03	-0.04	-1.10e-04	-5.02e-06	0.0
538	72	-6.20e-05	2.33e-03	-0.05	-1.14e-04	-5.07e-06	0.0
539	2	-1.49e-03	-6.09e-03	-0.10	2.91e-04	-7.79e-05	0.0
539	11	-3.46e-03	-3.02e-03	-0.06	1.70e-04	-5.35e-05	0.0
539	22	-4.11e-04	-6.45e-03	-0.07	2.04e-04	-4.99e-05	0.0
539	43	-4.96e-03	-2.61e-03	-0.06	1.65e-04	-5.65e-05	0.0
539	54	-1.07e-04	-8.07e-03	-0.07	2.19e-04	-5.07e-05	0.0



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539	70	-1.11e-03	-4.55e-03	-0.07	2.17e-04	-5.83e-05	0.0
539	72	-9.64e-04	-3.87e-03	-0.07	1.86e-04	-5.05e-05	0.0
540	2	-8.42e-04	-6.11e-03	-0.09	2.90e-04	-5.18e-05	0.0
540	11	-3.09e-03	-3.01e-03	-0.06	1.69e-04	-3.90e-05	0.0
540	22	8.28e-05	-6.42e-03	-0.06	2.01e-04	-3.15e-05	0.0
540	43	-4.60e-03	-2.58e-03	-0.06	1.63e-04	-4.26e-05	0.0
540	54	4.52e-04	-8.00e-03	-0.06	2.15e-04	-3.07e-05	0.0
540	70	-6.33e-04	-4.56e-03	-0.07	2.16e-04	-3.89e-05	0.0
540	72	-5.60e-04	-3.90e-03	-0.06	1.85e-04	-3.41e-05	0.0
541	2	-7.89e-04	-4.87e-03	-0.07	2.37e-04	-4.13e-05	0.0
541	11	-2.97e-03	-2.35e-03	-0.05	1.40e-04	-2.97e-05	0.0
541	22	1.06e-04	-5.46e-03	-0.05	1.60e-04	-2.53e-05	0.0
541	43	-4.42e-03	-1.97e-03	-0.05	1.37e-04	-3.18e-05	0.0
541	54	4.63e-04	-6.91e-03	-0.05	1.68e-04	-2.48e-05	0.0
541	70	-5.92e-04	-3.64e-03	-0.06	1.77e-04	-3.09e-05	0.0
541	72	-5.17e-04	-3.12e-03	-0.05	1.52e-04	-2.70e-05	0.0
542	2	-5.65e-04	-3.86e-03	-0.06	1.89e-04	-2.86e-05	0.0
542	11	-2.77e-03	-1.76e-03	-0.05	1.13e-04	-2.08e-05	0.0
542	22	2.62e-04	-4.74e-03	-0.05	1.25e-04	-1.69e-05	0.0
542	43	-4.19e-03	-1.40e-03	-0.05	1.10e-04	-2.24e-05	0.0
542	54	6.28e-04	-6.13e-03	-0.05	1.30e-04	-1.62e-05	0.0
542	70	-4.24e-04	-2.88e-03	-0.05	1.41e-04	-2.15e-05	0.0
542	72	-3.71e-04	-2.48e-03	-0.05	1.21e-04	-1.88e-05	0.0
543	2	-4.10e-04	-2.81e-03	-0.06	1.38e-04	-2.05e-05	0.0
543	11	-2.63e-03	-1.15e-03	-0.04	8.29e-05	-1.47e-05	0.0
543	22	3.73e-04	-4.03e-03	-0.04	9.06e-05	-1.22e-05	0.0
543	30	5.83e-04	-3.58e-03	-0.04	9.03e-05	-1.23e-05	0.0
543	43	-4.02e-03	-8.01e-04	-0.04	8.14e-05	-1.58e-05	0.0
543	54	7.47e-04	-5.38e-03	-0.04	9.36e-05	-1.18e-05	0.0
543	62	1.08e-03	-4.66e-03	-0.04	9.31e-05	-1.18e-05	0.0
543	70	-3.08e-04	-2.10e-03	-0.04	1.03e-04	-1.54e-05	0.0
543	72	-2.69e-04	-1.81e-03	-0.04	8.90e-05	-1.35e-05	0.0
544	2	-3.14e-04	-1.76e-03	-0.05	8.69e-05	-1.56e-05	0.0
544	10	2.13e-03	-1.66e-03	-0.04	5.53e-05	-8.79e-06	0.0
544	11	-2.53e-03	-5.16e-04	-0.04	5.22e-05	-1.11e-05	0.0
544	22	4.51e-04	-3.33e-03	-0.04	5.66e-05	-9.44e-06	0.0
544	42	3.50e-03	-2.00e-03	-0.04	5.63e-05	-8.12e-06	0.0
544	43	-3.90e-03	-1.78e-04	-0.04	5.12e-05	-1.18e-05	0.0
544	54	8.34e-04	-4.65e-03	-0.04	5.82e-05	-9.15e-06	0.0
544	70	-2.36e-04	-1.32e-03	-0.04	6.49e-05	-1.17e-05	0.0
544	72	-2.07e-04	-1.13e-03	-0.04	5.60e-05	-1.03e-05	0.0
545	2	-2.66e-04	-7.15e-04	-0.05	3.57e-05	-1.31e-05	0.0
545	10	2.13e-03	-1.00e-03	-0.04	2.31e-05	-7.56e-06	0.0
545	11	-2.47e-03	1.21e-04	-0.04	9.21e-05	-9.21e-06	0.0
545	22	5.01e-04	-2.66e-03	-0.04	2.37e-05	-8.08e-06	0.0
545	42	3.49e-03	-1.34e-03	-0.04	2.37e-05	-7.07e-06	0.0
545	43	-3.82e-03	4.52e-04	-0.04	2.06e-05	-9.70e-06	0.0
545	54	8.95e-04	-3.97e-03	-0.04	2.46e-05	-7.91e-06	0.0
545	70	-2.00e-04	-5.34e-04	-0.04	2.67e-05	-9.86e-06	0.0
545	72	-1.75e-04	-4.60e-04	-0.04	2.30e-05	-8.68e-06	0.0
546	2	-2.57e-04	3.26e-04	-0.05	-1.52e-05	-1.27e-05	0.0
546	17	2.13e-03	7.61e-04	-0.04	-1.02e-05	-7.33e-06	0.0
546	20	-2.46e-03	-3.58e-04	-0.03	-8.57e-06	-8.88e-06	0.0
546	25	5.15e-04	2.41e-03	-0.04	-1.08e-05	-7.82e-06	0.0
546	49	3.48e-03	1.09e-03	-0.04	-1.07e-05	-6.87e-06	0.0
546	52	-3.81e-03	-6.87e-04	-0.03	-8.08e-06	-9.33e-06	0.0
546	57	9.16e-04	3.72e-03	-0.04	-1.15e-05	-7.65e-06	0.0
546	70	-1.93e-04	2.44e-04	-0.04	-1.14e-05	-9.53e-06	0.0
546	72	-1.70e-04	2.10e-04	-0.04	-9.79e-06	-8.39e-06	0.0
547	2	-2.88e-04	1.37e-03	-0.05	-6.62e-05	-1.42e-05	0.0
547	17	2.14e-03	1.41e-03	-0.04	-4.23e-05	-8.03e-06	0.0
547	20	-2.50e-03	2.80e-04	-0.04	-3.97e-05	-1.01e-05	0.0
547	25	4.77e-04	3.08e-03	-0.04	-4.32e-05	-8.59e-06	0.0
547	49	3.51e-03	1.75e-03	-0.04	-4.31e-05	-7.42e-06	0.0
547	52	-3.87e-03	-5.37e-05	-0.04	-3.89e-05	-1.07e-05	0.0
547	57	8.65e-04	4.39e-03	-0.04	-4.44e-05	-8.32e-06	0.0
547	70	-2.16e-04	1.02e-03	-0.04	-4.95e-05	-1.07e-05	0.0
547	72	-1.89e-04	8.82e-04	-0.04	-4.27e-05	-9.37e-06	0.0
548	2	-3.60e-04	2.42e-03	-0.05	-1.17e-04	-1.79e-05	0.0
548	20	-2.58e-03	9.15e-04	-0.04	-7.05e-05	-1.29e-05	0.0
548	25	4.13e-04	3.76e-03	-0.04	-7.67e-05	-1.06e-05	0.0
548	33	5.92e-04	3.32e-03	-0.04	-7.66e-05	-1.07e-05	0.0
548	52	-3.97e-03	5.73e-04	-0.04	-6.93e-05	-1.38e-05	0.0
548	57	7.92e-04	5.10e-03	-0.04	-7.91e-05	-1.02e-05	0.0
548	65	1.08e-03	4.39e-03	-0.04	-7.90e-05	-1.03e-05	0.0
548	70	-2.70e-04	1.81e-03	-0.04	-8.78e-05	-1.34e-05	0.0



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548	72	-2.37e-04	1.56e-03	-0.04	-7.57e-05	-1.18e-05	0.0
549	2	-4.82e-04	3.47e-03	-0.06	-1.69e-04	-2.43e-05	0.0
549	20	-2.70e-03	1.54e-03	-0.04	-1.01e-04	-1.77e-05	0.0
549	25	3.23e-04	4.47e-03	-0.04	-1.11e-04	-1.43e-05	0.0
549	33	5.77e-04	4.01e-03	-0.04	-1.11e-04	-1.44e-05	0.0
549	52	-4.12e-03	1.19e-03	-0.04	-9.89e-05	-1.91e-05	0.0
549	57	6.93e-04	5.84e-03	-0.04	-1.15e-04	-1.36e-05	0.0
549	65	1.10e-03	5.12e-03	-0.04	-1.14e-04	-1.38e-05	0.0
549	70	-3.62e-04	2.59e-03	-0.05	-1.26e-04	-1.82e-05	0.0
549	72	-3.16e-04	2.23e-03	-0.04	-1.09e-04	-1.59e-05	0.0
550	2	-6.48e-04	4.51e-03	-0.07	-2.19e-04	-3.40e-05	0.0
550	20	-2.86e-03	2.15e-03	-0.05	-1.30e-04	-2.47e-05	0.0
550	25	2.04e-04	5.19e-03	-0.05	-1.46e-04	-2.00e-05	0.0
550	52	-4.31e-03	1.78e-03	-0.05	-1.27e-04	-2.65e-05	0.0
550	57	5.67e-04	6.62e-03	-0.05	-1.53e-04	-1.92e-05	0.0
550	70	-4.86e-04	3.37e-03	-0.05	-1.63e-04	-2.55e-05	0.0
550	72	-4.25e-04	2.90e-03	-0.05	-1.40e-04	-2.23e-05	0.0
551	2	-5.67e-04	5.73e-03	-0.08	-2.73e-04	-3.88e-05	0.0
551	20	-2.91e-03	2.82e-03	-0.06	-1.60e-04	-3.07e-05	0.0
551	25	2.76e-04	6.10e-03	-0.06	-1.87e-04	-2.19e-05	0.0
551	52	-4.40e-03	2.42e-03	-0.06	-1.56e-04	-3.42e-05	0.0
551	57	6.59e-04	7.62e-03	-0.06	-1.99e-04	-2.02e-05	0.0
551	70	-4.28e-04	4.28e-03	-0.06	-2.04e-04	-2.91e-05	0.0
551	72	-3.83e-04	3.66e-03	-0.06	-1.75e-04	-2.57e-05	0.0
552	2	-1.50e-03	6.11e-03	-0.10	-2.91e-04	-7.78e-05	0.0
552	20	-3.45e-03	3.03e-03	-0.06	-1.70e-04	-5.31e-05	0.0
552	23	-1.85e-03	6.45e-03	-0.07	-2.03e-04	-5.30e-05	0.0
552	25	-4.33e-04	6.45e-03	-0.07	-2.03e-04	-5.01e-05	0.0
552	52	-4.94e-03	2.63e-03	-0.06	-1.66e-04	-5.58e-05	0.0
552	55	-2.39e-03	8.07e-03	-0.07	-2.18e-04	-5.57e-05	0.0
552	57	-1.36e-04	8.07e-03	-0.07	-2.19e-04	-5.11e-05	0.0
552	70	-1.12e-03	4.56e-03	-0.07	-2.17e-04	-5.83e-05	0.0
552	72	-9.72e-04	3.88e-03	-0.07	-1.85e-04	-5.04e-05	0.0
553	2	-2.05e-03	-5.06e-03	-0.09	2.47e-04	-1.07e-04	0.0
553	11	-3.72e-03	-2.43e-03	-0.06	1.44e-04	-6.63e-05	0.0
553	22	-8.03e-04	-5.71e-03	-0.07	1.72e-04	-7.08e-05	0.0
553	43	-5.17e-03	-2.04e-03	-0.06	1.39e-04	-6.61e-05	0.0
553	54	-5.25e-04	-7.26e-03	-0.07	1.83e-04	-7.33e-05	0.0
553	70	-1.54e-03	-3.78e-03	-0.07	1.85e-04	-8.02e-05	0.0
553	72	-1.33e-03	-3.23e-03	-0.06	1.58e-04	-6.93e-05	0.0
554	2	-1.72e-03	-4.95e-03	-0.08	2.42e-04	-8.96e-05	0.0
554	11	-3.50e-03	-2.37e-03	-0.06	1.41e-04	-5.57e-05	0.0
554	22	-5.50e-04	-5.61e-03	-0.06	1.67e-04	-5.81e-05	0.0
554	43	-4.93e-03	-1.98e-03	-0.06	1.37e-04	-5.57e-05	0.0
554	54	-2.42e-04	-7.13e-03	-0.06	1.77e-04	-5.95e-05	0.0
554	70	-1.29e-03	-3.69e-03	-0.06	1.81e-04	-6.71e-05	0.0
554	72	-1.12e-03	-3.16e-03	-0.06	1.55e-04	-5.81e-05	0.0
555	2	-1.22e-03	-4.38e-03	-0.07	2.15e-04	-6.24e-05	0.0
555	11	-3.18e-03	-2.05e-03	-0.05	1.26e-04	-4.00e-05	0.0
555	22	-1.77e-04	-5.18e-03	-0.05	1.46e-04	-3.92e-05	0.0
555	43	-4.60e-03	-1.66e-03	-0.05	1.22e-04	-4.05e-05	0.0
555	54	1.71e-04	-6.65e-03	-0.05	1.54e-04	-3.92e-05	0.0
555	70	-9.16e-04	-3.27e-03	-0.05	1.60e-04	-4.67e-05	0.0
555	72	-7.96e-04	-2.81e-03	-0.05	1.38e-04	-4.06e-05	0.0
556	2	-8.45e-04	-3.56e-03	-0.06	1.75e-04	-4.25e-05	0.0
556	11	-2.91e-03	-1.58e-03	-0.04	1.04e-04	-2.79e-05	0.0
556	22	8.54e-05	-4.58e-03	-0.05	1.17e-04	-2.60e-05	0.0
556	43	-4.32e-03	-1.22e-03	-0.04	1.01e-04	-2.85e-05	0.0
556	54	4.49e-04	-5.99e-03	-0.05	1.22e-04	-2.55e-05	0.0
556	70	-6.33e-04	-2.66e-03	-0.05	1.31e-04	-3.19e-05	0.0
556	72	-5.52e-04	-2.29e-03	-0.05	1.13e-04	-2.78e-05	0.0
557	2	-5.94e-04	-2.63e-03	-0.05	1.30e-04	-2.96e-05	0.0
557	11	-2.72e-03	-1.04e-03	-0.04	7.71e-05	-1.95e-05	0.0
557	22	2.60e-04	-3.94e-03	-0.04	8.55e-05	-1.81e-05	0.0
557	30	4.64e-04	-3.43e-03	-0.04	8.51e-05	-1.83e-05	0.0
557	43	-4.11e-03	-6.96e-04	-0.04	7.54e-05	-2.00e-05	0.0
557	54	6.34e-04	-5.30e-03	-0.04	8.87e-05	-1.77e-05	0.0
557	62	9.58e-04	-4.50e-03	-0.04	8.80e-05	-1.80e-05	0.0
557	70	-4.46e-04	-1.96e-03	-0.04	9.69e-05	-2.22e-05	0.0
557	72	-3.89e-04	-1.69e-03	-0.04	8.35e-05	-1.94e-05	0.0
558	2	-4.40e-04	-1.66e-03	-0.05	8.21e-05	-2.18e-05	0.0
558	10	2.04e-03	-1.59e-03	-0.04	5.26e-05	-1.33e-05	0.0
558	11	-2.60e-03	-4.60e-04	-0.04	4.89e-05	-1.44e-05	0.0
558	22	3.73e-04	-3.29e-03	-0.04	5.38e-05	-1.34e-05	0.0
558	42	3.41e-03	-1.92e-03	-0.04	5.38e-05	-1.30e-05	0.0
558	43	-3.97e-03	-1.28e-04	-0.04	4.78e-05	-1.47e-05	0.0



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558	54	7.58e-04	-4.63e-03	-0.04	5.55e-05	-1.32e-05	0.0
558	70	-3.30e-04	-1.24e-03	-0.04	6.13e-05	-1.64e-05	0.0
558	72	-2.89e-04	-1.07e-03	-0.04	5.29e-05	-1.44e-05	0.0
559	2	-3.62e-04	-6.74e-04	-0.05	3.38e-05	-1.79e-05	0.0
559	10	2.06e-03	-9.68e-04	-0.04	2.21e-05	-1.10e-05	0.0
559	11	-2.52e-03	1.36e-04	-0.03	1.98e-05	-1.17e-05	0.0
559	22	4.40e-04	-2.66e-03	-0.04	2.27e-05	-1.12e-05	0.0
559	42	3.41e-03	-1.29e-03	-0.04	2.27e-05	-1.08e-05	0.0
559	43	-3.87e-03	4.61e-04	-0.03	1.91e-05	-1.20e-05	0.0
559	54	8.34e-04	-3.98e-03	-0.04	2.37e-05	-1.10e-05	0.0
559	70	-2.72e-04	-5.04e-04	-0.04	2.53e-05	-1.34e-05	0.0
559	72	-2.38e-04	-4.34e-04	-0.04	2.18e-05	-1.18e-05	0.0
560	2	-3.48e-04	3.11e-04	-0.05	-1.45e-05	-1.72e-05	0.0
560	17	2.06e-03	7.41e-04	-0.03	-9.91e-06	-1.06e-05	0.0
560	20	-2.51e-03	-3.57e-04	-0.03	-8.02e-06	-1.13e-05	0.0
560	25	4.57e-04	2.43e-03	-0.03	-1.05e-05	-1.08e-05	0.0
560	49	3.41e-03	1.06e-03	-0.03	-1.05e-05	-1.04e-05	0.0
560	52	-3.85e-03	-6.81e-04	-0.03	-7.46e-06	-1.15e-05	0.0
560	57	8.57e-04	3.75e-03	-0.03	-1.13e-05	-1.07e-05	0.0
560	70	-2.61e-04	2.32e-04	-0.03	-1.08e-05	-1.29e-05	0.0
560	72	-2.29e-04	2.00e-04	-0.03	-9.34e-06	-1.13e-05	0.0
561	2	-3.97e-04	1.29e-03	-0.05	-6.28e-05	-1.96e-05	0.0
561	17	2.06e-03	1.36e-03	-0.04	-4.04e-05	-1.20e-05	0.0
561	20	-2.56e-03	2.43e-04	-0.04	-3.73e-05	-1.30e-05	0.0
561	25	4.09e-04	3.05e-03	-0.04	-4.12e-05	-1.21e-05	0.0
561	49	3.42e-03	1.68e-03	-0.04	-4.13e-05	-1.17e-05	0.0
561	52	-3.93e-03	-8.58e-05	-0.04	-3.63e-05	-1.32e-05	0.0
561	57	7.98e-04	4.39e-03	-0.04	-4.26e-05	-1.18e-05	0.0
561	70	-2.98e-04	9.67e-04	-0.04	-4.69e-05	-1.47e-05	0.0
561	72	-2.61e-04	8.33e-04	-0.04	-4.05e-05	-1.29e-05	0.0
562	2	-5.15e-04	2.27e-03	-0.05	-1.11e-04	-2.56e-05	0.0
562	17	2.02e-03	1.97e-03	-0.04	-7.10e-05	-1.55e-05	0.0
562	20	-2.67e-03	8.31e-04	-0.04	-6.59e-05	-1.69e-05	0.0
562	25	3.18e-04	3.70e-03	-0.04	-7.28e-05	-1.56e-05	0.0
562	49	3.40e-03	2.31e-03	-0.04	-7.25e-05	-1.51e-05	0.0
562	52	-4.05e-03	4.94e-04	-0.04	-6.45e-05	-1.73e-05	0.0
562	57	6.98e-04	5.05e-03	-0.04	-7.53e-05	-1.52e-05	0.0
562	70	-3.86e-04	1.70e-03	-0.04	-8.28e-05	-1.92e-05	0.0
562	72	-3.37e-04	1.46e-03	-0.04	-7.14e-05	-1.68e-05	0.0
563	2	-7.17e-04	3.23e-03	-0.06	-1.58e-04	-3.61e-05	0.0
563	20	-2.83e-03	1.39e-03	-0.04	-9.33e-05	-2.38e-05	0.0
563	25	1.75e-04	4.34e-03	-0.04	-1.05e-04	-2.19e-05	0.0
563	52	-4.23e-03	1.04e-03	-0.04	-9.10e-05	-2.43e-05	0.0
563	57	5.45e-04	5.73e-03	-0.04	-1.09e-04	-2.14e-05	0.0
563	70	-5.38e-04	2.41e-03	-0.04	-1.18e-04	-2.71e-05	0.0
563	72	-4.69e-04	2.07e-03	-0.04	-1.01e-04	-2.36e-05	0.0
564	2	-1.03e-03	4.10e-03	-0.07	-2.00e-04	-5.29e-05	0.0
564	20	-3.05e-03	1.89e-03	-0.05	-1.18e-04	-3.42e-05	0.0
564	25	-4.11e-05	4.96e-03	-0.05	-1.35e-04	-3.24e-05	0.0
564	52	-4.47e-03	1.53e-03	-0.05	-1.14e-04	-3.47e-05	0.0
564	57	3.18e-04	6.40e-03	-0.05	-1.42e-04	-3.19e-05	0.0
564	70	-7.74e-04	3.06e-03	-0.05	-1.49e-04	-3.97e-05	0.0
564	72	-6.74e-04	2.63e-03	-0.05	-1.29e-04	-3.45e-05	0.0
565	2	-1.48e-03	4.78e-03	-0.08	-2.33e-04	-7.76e-05	0.0
565	20	-3.35e-03	2.29e-03	-0.05	-1.36e-04	-4.87e-05	0.0
565	25	-3.73e-04	5.47e-03	-0.06	-1.59e-04	-4.96e-05	0.0
565	52	-4.78e-03	1.90e-03	-0.05	-1.32e-04	-4.88e-05	0.0
565	57	-4.47e-05	6.97e-03	-0.06	-1.69e-04	-5.03e-05	0.0
565	70	-1.11e-03	3.57e-03	-0.06	-1.74e-04	-5.82e-05	0.0
565	72	-9.65e-04	3.06e-03	-0.06	-1.49e-04	-5.04e-05	0.0
566	2	-2.06e-03	5.05e-03	-0.09	-2.45e-04	-1.07e-04	0.0
566	20	-3.72e-03	2.44e-03	-0.06	-1.43e-04	-6.60e-05	0.0
566	25	-8.11e-04	5.70e-03	-0.07	-1.70e-04	-7.06e-05	0.0
566	52	-5.16e-03	2.05e-03	-0.06	-1.39e-04	-6.58e-05	0.0
566	57	-5.36e-04	7.23e-03	-0.07	-1.82e-04	-7.31e-05	0.0
566	70	-1.54e-03	3.77e-03	-0.07	-1.83e-04	-8.00e-05	0.0
566	72	-1.33e-03	3.23e-03	-0.06	-1.57e-04	-6.91e-05	0.0
567	2	-2.03e-03	-4.40e-03	-0.09	2.17e-04	-1.05e-04	0.0
567	11	-3.63e-03	-2.06e-03	-0.06	1.26e-04	-6.10e-05	0.0
567	22	-8.07e-04	-5.26e-03	-0.06	1.50e-04	-7.04e-05	0.0
567	43	-5.03e-03	-1.68e-03	-0.06	1.23e-04	-5.87e-05	0.0
567	54	-5.41e-04	-6.77e-03	-0.06	1.60e-04	-7.36e-05	0.0
567	70	-1.52e-03	-3.28e-03	-0.06	1.62e-04	-7.83e-05	0.0
567	72	-1.31e-03	-2.81e-03	-0.06	1.39e-04	-6.76e-05	0.0
568	2	-1.73e-03	-4.28e-03	-0.08	2.12e-04	-8.92e-05	0.0
568	11	-3.45e-03	-2.00e-03	-0.05	1.24e-04	-5.25e-05	0.0



568	22	-5.76e-04	-5.17e-03	-0.06	1.46e-04	-5.89e-05	0.0
568	43	-4.85e-03	-1.62e-03	-0.05	1.20e-04	-5.07e-05	0.0
568	54	-2.80e-04	-6.67e-03	-0.06	1.55e-04	-6.09e-05	0.0
568	70	-1.30e-03	-3.20e-03	-0.06	1.58e-04	-6.68e-05	0.0
568	72	-1.12e-03	-2.74e-03	-0.06	1.36e-04	-5.78e-05	0.0
569	2	-1.27e-03	-3.86e-03	-0.07	1.91e-04	-6.47e-05	0.0
569	11	-3.16e-03	-1.76e-03	-0.05	1.12e-04	-3.87e-05	0.0
569	22	-2.30e-04	-4.85e-03	-0.05	1.30e-04	-4.17e-05	0.0
569	43	-4.55e-03	-1.40e-03	-0.05	1.09e-04	-3.76e-05	0.0
569	54	1.03e-04	-6.31e-03	-0.05	1.37e-04	-4.24e-05	0.0
569	70	-9.53e-04	-2.88e-03	-0.05	1.43e-04	-4.85e-05	0.0
569	72	-8.26e-04	-2.48e-03	-0.05	1.23e-04	-4.21e-05	0.0
570	2	-9.02e-04	-3.20e-03	-0.06	1.59e-04	-4.55e-05	0.0
570	11	-2.91e-03	-1.38e-03	-0.04	9.34e-05	-2.76e-05	0.0
570	22	3.92e-05	-4.37e-03	-0.04	1.06e-04	-2.85e-05	0.0
570	43	-4.30e-03	-1.03e-03	-0.04	9.09e-05	-2.70e-05	0.0
570	54	3.96e-04	-5.79e-03	-0.04	1.12e-04	-2.84e-05	0.0
570	70	-6.76e-04	-2.39e-03	-0.05	1.19e-04	-3.41e-05	0.0
570	72	-5.88e-04	-2.05e-03	-0.04	1.02e-04	-2.97e-05	0.0
571	2	-6.39e-04	-2.40e-03	-0.05	1.19e-04	-3.20e-05	0.0
571	11	-2.73e-03	-9.09e-04	-0.04	7.04e-05	-1.98e-05	0.0
571	22	2.28e-04	-3.81e-03	-0.04	7.89e-05	-1.99e-05	0.0
571	43	-4.10e-03	-5.73e-04	-0.04	6.87e-05	-1.95e-05	0.0
571	54	6.00e-04	-5.19e-03	-0.04	8.21e-05	-1.98e-05	0.0
571	62	9.18e-04	-4.31e-03	-0.04	8.13e-05	-2.00e-05	0.0
571	70	-4.79e-04	-1.79e-03	-0.04	8.89e-05	-2.40e-05	0.0
571	72	-4.18e-04	-1.54e-03	-0.04	7.66e-05	-2.09e-05	0.0
572	2	-4.72e-04	-1.52e-03	-0.05	7.60e-05	-2.35e-05	0.0
572	10	2.01e-03	-1.49e-03	-0.04	4.89e-05	-1.52e-05	0.0
572	11	-2.60e-03	-3.89e-04	-0.04	4.50e-05	-1.46e-05	0.0
572	22	3.51e-04	-3.23e-03	-0.04	5.01e-05	-1.47e-05	0.0
572	42	3.37e-03	-1.82e-03	-0.04	5.00e-05	-1.54e-05	0.0
572	43	-3.96e-03	-6.29e-05	-0.04	4.38e-05	-1.45e-05	0.0
572	54	7.35e-04	-4.58e-03	-0.04	5.20e-05	-1.46e-05	0.0
572	70	-3.54e-04	-1.14e-03	-0.04	5.67e-05	-1.77e-05	0.0
572	72	-3.09e-04	-9.80e-04	-0.04	4.89e-05	-1.55e-05	0.0
573	2	-3.86e-04	-6.22e-04	-0.04	3.14e-05	-1.92e-05	0.0
573	10	2.04e-03	-9.26e-04	-0.03	2.06e-05	-1.24e-05	0.0
573	11	-2.53e-03	1.58e-04	-0.03	1.82e-05	-1.19e-05	0.0
573	22	4.23e-04	-2.65e-03	-0.03	2.13e-05	-1.21e-05	0.0
573	42	3.38e-03	-1.25e-03	-0.03	2.13e-05	-1.26e-05	0.0
573	43	-3.87e-03	4.78e-04	-0.03	1.75e-05	-1.18e-05	0.0
573	54	8.16e-04	-3.99e-03	-0.03	2.24e-05	-1.21e-05	0.0
573	70	-2.90e-04	-4.64e-04	-0.03	2.35e-05	-1.44e-05	0.0
573	72	-2.53e-04	-4.00e-04	-0.03	2.02e-05	-1.26e-05	0.0
574	2	-3.71e-04	2.90e-04	-0.04	-1.36e-05	-1.84e-05	0.0
574	17	2.04e-03	7.19e-04	-0.03	-9.37e-06	-1.20e-05	0.0
574	20	-2.51e-03	-3.61e-04	-0.03	-7.40e-06	-1.15e-05	0.0
574	25	4.40e-04	2.44e-03	-0.03	-1.00e-05	-1.17e-05	0.0
574	49	3.38e-03	1.04e-03	-0.03	-9.94e-06	-1.21e-05	0.0
574	52	-3.85e-03	-6.80e-04	-0.03	-6.82e-06	-1.13e-05	0.0
574	57	8.39e-04	3.78e-03	-0.03	-1.10e-05	-1.17e-05	0.0
574	70	-2.79e-04	2.16e-04	-0.03	-1.01e-05	-1.38e-05	0.0
574	72	-2.44e-04	1.86e-04	-0.03	-8.73e-06	-1.21e-05	0.0
575	2	-4.26e-04	1.20e-03	-0.05	-5.84e-05	-2.12e-05	0.0
575	17	2.03e-03	1.29e-03	-0.04	-3.77e-05	-1.37e-05	0.0
575	20	-2.57e-03	1.92e-04	-0.03	-3.44e-05	-1.32e-05	0.0
575	25	3.89e-04	3.02e-03	-0.04	-3.86e-05	-1.32e-05	0.0
575	49	3.39e-03	1.61e-03	-0.04	-3.86e-05	-1.38e-05	0.0
575	52	-3.92e-03	-1.30e-04	-0.03	-3.35e-05	-1.30e-05	0.0
575	57	7.78e-04	4.36e-03	-0.04	-4.01e-05	-1.31e-05	0.0
575	70	-3.19e-04	8.94e-04	-0.04	-4.36e-05	-1.59e-05	0.0
575	72	-2.79e-04	7.70e-04	-0.04	-3.76e-05	-1.39e-05	0.0
576	2	-5.56e-04	2.08e-03	-0.05	-1.02e-04	-2.78e-05	0.0
576	17	1.97e-03	1.85e-03	-0.04	-6.57e-05	-1.79e-05	0.0
576	20	-2.67e-03	7.26e-04	-0.04	-6.05e-05	-1.72e-05	0.0
576	25	2.90e-04	3.60e-03	-0.04	-6.75e-05	-1.73e-05	0.0
576	49	3.34e-03	2.18e-03	-0.04	-6.72e-05	-1.81e-05	0.0
576	52	-4.04e-03	3.95e-04	-0.04	-5.90e-05	-1.70e-05	0.0
576	57	6.67e-04	4.97e-03	-0.04	-7.02e-05	-1.71e-05	0.0
576	70	-4.17e-04	1.56e-03	-0.04	-7.64e-05	-2.09e-05	0.0
576	72	-3.64e-04	1.34e-03	-0.04	-6.58e-05	-1.82e-05	0.0
577	2	-7.75e-04	2.92e-03	-0.06	-1.44e-04	-3.91e-05	0.0
577	20	-2.83e-03	1.22e-03	-0.04	-8.47e-05	-2.41e-05	0.0
577	25	1.31e-04	4.17e-03	-0.04	-9.58e-05	-2.44e-05	0.0
577	52	-4.21e-03	8.77e-04	-0.04	-8.25e-05	-2.37e-05	0.0



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577	57	4.96e-04	5.57e-03	-0.04	-1.00e-04	-2.43e-05	0.0
577	70	-5.81e-04	2.18e-03	-0.04	-1.07e-04	-2.94e-05	0.0
577	72	-5.06e-04	1.88e-03	-0.04	-9.22e-05	-2.56e-05	0.0
578	2	-1.10e-03	3.64e-03	-0.06	-1.79e-04	-5.62e-05	0.0
578	20	-3.05e-03	1.64e-03	-0.05	-1.05e-04	-3.37e-05	0.0
578	25	-1.05e-04	4.68e-03	-0.05	-1.21e-04	-3.60e-05	0.0
578	52	-4.44e-03	1.28e-03	-0.05	-1.02e-04	-3.28e-05	0.0
578	57	2.40e-04	6.12e-03	-0.05	-1.28e-04	-3.64e-05	0.0
578	70	-8.25e-04	2.72e-03	-0.05	-1.34e-04	-4.21e-05	0.0
578	72	-7.17e-04	2.34e-03	-0.05	-1.15e-04	-3.66e-05	0.0
579	2	-1.53e-03	4.16e-03	-0.07	-2.04e-04	-7.89e-05	0.0
579	20	-3.32e-03	1.94e-03	-0.05	-1.20e-04	-4.66e-05	0.0
579	25	-4.25e-04	5.07e-03	-0.05	-1.40e-04	-5.15e-05	0.0
579	52	-4.72e-03	1.57e-03	-0.05	-1.16e-04	-4.51e-05	0.0
579	57	-1.11e-04	6.55e-03	-0.06	-1.48e-04	-5.30e-05	0.0
579	70	-1.15e-03	3.11e-03	-0.06	-1.53e-04	-5.91e-05	0.0
579	72	-9.94e-04	2.67e-03	-0.05	-1.31e-04	-5.11e-05	0.0
580	2	-2.02e-03	4.39e-03	-0.08	-2.15e-04	-1.04e-04	0.0
580	20	-3.63e-03	2.07e-03	-0.06	-1.26e-04	-6.09e-05	0.0
580	25	-8.05e-04	5.25e-03	-0.06	-1.49e-04	-7.00e-05	0.0
580	52	-5.03e-03	1.70e-03	-0.06	-1.22e-04	-5.87e-05	0.0
580	57	-5.40e-04	6.76e-03	-0.06	-1.59e-04	-7.32e-05	0.0
580	70	-1.52e-03	3.28e-03	-0.06	-1.61e-04	-7.81e-05	0.0
580	72	-1.31e-03	2.81e-03	-0.06	-1.38e-04	-6.73e-05	0.0
581	2	-1.58e-03	-3.88e-03	-0.08	1.93e-04	-8.17e-05	0.0
581	11	-3.31e-03	-1.78e-03	-0.05	1.13e-04	-4.50e-05	0.0
581	22	-5.13e-04	-4.91e-03	-0.06	1.33e-04	-5.55e-05	0.0
581	26	-5.33e-04	-4.91e-03	-0.06	1.33e-04	-5.52e-05	0.0
581	43	-4.69e-03	-1.43e-03	-0.05	1.10e-04	-4.16e-05	0.0
581	54	-2.37e-04	-6.39e-03	-0.06	1.41e-04	-5.84e-05	0.0
581	58	-2.68e-04	-6.40e-03	-0.06	1.41e-04	-5.78e-05	0.0
581	70	-1.19e-03	-2.90e-03	-0.06	1.44e-04	-6.11e-05	0.0
581	72	-1.02e-03	-2.48e-03	-0.06	1.24e-04	-5.27e-05	0.0
582	2	-1.37e-03	-3.79e-03	-0.07	1.89e-04	-7.04e-05	0.0
582	11	-3.18e-03	-1.73e-03	-0.05	1.11e-04	-3.91e-05	0.0
582	22	-3.46e-04	-4.83e-03	-0.05	1.29e-04	-4.73e-05	0.0
582	26	-3.64e-04	-4.84e-03	-0.05	1.29e-04	-4.70e-05	0.0
582	43	-4.56e-03	-1.38e-03	-0.05	1.08e-04	-3.63e-05	0.0
582	54	-4.75e-05	-6.31e-03	-0.06	1.37e-04	-4.93e-05	0.0
582	58	-7.68e-05	-6.31e-03	-0.06	1.37e-04	-4.88e-05	0.0
582	70	-1.03e-03	-2.83e-03	-0.06	1.41e-04	-5.28e-05	0.0
582	72	-8.87e-04	-2.43e-03	-0.05	1.21e-04	-4.56e-05	0.0
583	2	-1.03e-03	-3.44e-03	-0.07	1.72e-04	-5.26e-05	0.0
583	11	-2.97e-03	-1.53e-03	-0.05	1.01e-04	-2.94e-05	0.0
583	22	-8.62e-05	-4.58e-03	-0.05	1.16e-04	-3.47e-05	0.0
583	26	-1.02e-04	-4.58e-03	-0.05	1.16e-04	-3.44e-05	0.0
583	43	-4.34e-03	-1.19e-03	-0.05	9.85e-05	-2.74e-05	0.0
583	54	2.43e-04	-6.03e-03	-0.05	1.23e-04	-3.57e-05	0.0
583	58	2.17e-04	-6.03e-03	-0.05	1.23e-04	-3.54e-05	0.0
583	70	-7.73e-04	-2.57e-03	-0.05	1.28e-04	-3.94e-05	0.0
583	72	-6.69e-04	-2.21e-03	-0.05	1.10e-04	-3.42e-05	0.0
584	2	-7.48e-04	-2.88e-03	-0.06	1.44e-04	-3.79e-05	0.0
584	11	-2.79e-03	-1.21e-03	-0.04	8.51e-05	-2.14e-05	0.0
584	22	1.28e-04	-4.18e-03	-0.04	9.66e-05	-2.46e-05	0.0
584	26	1.15e-04	-4.18e-03	-0.04	9.65e-05	-2.45e-05	0.0
584	43	-4.16e-03	-8.72e-04	-0.04	8.30e-05	-2.00e-05	0.0
584	54	4.80e-04	-5.60e-03	-0.04	1.01e-04	-2.51e-05	0.0
584	58	4.59e-04	-5.60e-03	-0.04	1.01e-04	-2.49e-05	0.0
584	70	-5.61e-04	-2.15e-03	-0.04	1.07e-04	-2.84e-05	0.0
584	72	-4.87e-04	-1.85e-03	-0.04	9.24e-05	-2.47e-05	0.0
585	2	-5.37e-04	-2.18e-03	-0.05	1.09e-04	-2.71e-05	0.0
585	11	-2.65e-03	-7.92e-04	-0.04	6.46e-05	-1.57e-05	0.0
585	22	2.87e-04	-3.70e-03	-0.04	7.25e-05	-1.73e-05	0.0
585	26	2.77e-04	-3.70e-03	-0.04	7.24e-05	-1.72e-05	0.0
585	43	-4.01e-03	-4.67e-04	-0.04	6.31e-05	-1.48e-05	0.0
585	54	6.55e-04	-5.09e-03	-0.04	7.57e-05	-1.74e-05	0.0
585	58	6.40e-04	-5.09e-03	-0.04	7.54e-05	-1.72e-05	0.0
585	70	-4.03e-04	-1.63e-03	-0.04	8.14e-05	-2.03e-05	0.0
585	72	-3.51e-04	-1.40e-03	-0.04	7.01e-05	-1.78e-05	0.0
586	2	-3.99e-04	-1.40e-03	-0.05	7.01e-05	-2.01e-05	0.0
586	10	2.04e-03	-1.40e-03	-0.04	4.50e-05	-1.38e-05	0.0
586	11	-2.54e-03	-3.22e-04	-0.04	4.15e-05	-1.17e-05	0.0
586	26	3.89e-04	-3.18e-03	-0.04	4.63e-05	-1.28e-05	0.0
586	42	3.39e-03	-1.72e-03	-0.04	4.60e-05	-1.44e-05	0.0
586	43	-3.90e-03	-3.90e-06	-0.03	4.05e-05	-1.10e-05	0.0
586	58	7.67e-04	-4.54e-03	-0.04	4.82e-05	-1.28e-05	0.0



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586	70	-2.99e-04	-1.04e-03	-0.04	5.23e-05	-1.51e-05	0.0
586	72	-2.61e-04	-8.98e-04	-0.04	4.51e-05	-1.32e-05	0.0
587	2	-3.26e-04	-5.71e-04	-0.04	2.91e-05	-1.64e-05	0.0
587	10	2.06e-03	-8.85e-04	-0.03	1.90e-05	-1.13e-05	0.0
587	11	-2.48e-03	1.80e-04	-0.03	1.69e-05	-9.60e-06	0.0
587	26	4.56e-04	-2.64e-03	-0.03	1.99e-05	-1.06e-05	0.0
587	42	3.40e-03	-1.20e-03	-0.03	1.97e-05	-1.18e-05	0.0
587	43	-3.82e-03	4.94e-04	-0.03	1.62e-05	-9.10e-06	0.0
587	58	8.47e-04	-4.00e-03	-0.03	2.10e-05	-1.07e-05	0.0
587	70	-2.45e-04	-4.27e-04	-0.03	2.17e-05	-1.23e-05	0.0
587	72	-2.14e-04	-3.67e-04	-0.03	1.87e-05	-1.08e-05	0.0
588	2	-3.14e-04	2.69e-04	-0.04	-1.26e-05	-1.58e-05	0.0
588	17	2.07e-03	6.98e-04	-0.03	-8.73e-06	-1.09e-05	0.0
588	20	-2.46e-03	-3.66e-04	-0.03	-6.87e-06	-9.25e-06	0.0
588	25	4.74e-04	2.45e-03	-0.03	-9.61e-06	-1.02e-05	0.0
588	49	3.40e-03	1.01e-03	-0.03	-9.28e-06	-1.14e-05	0.0
588	52	-3.80e-03	-6.80e-04	-0.03	-6.32e-06	-8.76e-06	0.0
588	57	8.71e-04	3.80e-03	-0.03	-1.07e-05	-1.03e-05	0.0
588	70	-2.35e-04	2.01e-04	-0.03	-9.44e-06	-1.19e-05	0.0
588	72	-2.06e-04	1.73e-04	-0.03	-8.13e-06	-1.04e-05	0.0
589	2	-3.60e-04	1.10e-03	-0.05	-5.40e-05	-1.82e-05	0.0
589	17	2.06e-03	1.22e-03	-0.03	-3.48e-05	-1.25e-05	0.0
589	20	-2.51e-03	1.44e-04	-0.03	-3.19e-05	-1.06e-05	0.0
589	25	4.27e-04	2.98e-03	-0.03	-3.60e-05	-1.16e-05	0.0
589	49	3.41e-03	1.53e-03	-0.03	-3.57e-05	-1.31e-05	0.0
589	52	-3.86e-03	-1.72e-04	-0.03	-3.10e-05	-9.98e-06	0.0
589	57	8.14e-04	4.34e-03	-0.03	-3.76e-05	-1.17e-05	0.0
589	70	-2.70e-04	8.24e-04	-0.03	-4.04e-05	-1.36e-05	0.0
589	72	-2.36e-04	7.09e-04	-0.03	-3.48e-05	-1.20e-05	0.0
590	2	-4.70e-04	1.91e-03	-0.05	-9.40e-05	-2.38e-05	0.0
590	20	-2.60e-03	6.29e-04	-0.04	-5.57e-05	-1.37e-05	0.0
590	25	3.39e-04	3.51e-03	-0.04	-6.24e-05	-1.51e-05	0.0
590	52	-3.96e-03	3.07e-04	-0.04	-5.44e-05	-1.29e-05	0.0
590	57	7.14e-04	4.89e-03	-0.04	-6.49e-05	-1.52e-05	0.0
590	70	-3.52e-04	1.42e-03	-0.04	-7.02e-05	-1.78e-05	0.0
590	72	-3.07e-04	1.23e-03	-0.04	-6.04e-05	-1.56e-05	0.0
591	2	-6.50e-04	2.65e-03	-0.05	-1.31e-04	-3.30e-05	0.0
591	20	-2.73e-03	1.07e-03	-0.04	-7.74e-05	-1.87e-05	0.0
591	25	2.02e-04	4.01e-03	-0.04	-8.74e-05	-2.12e-05	0.0
591	52	-4.09e-03	7.39e-04	-0.04	-7.55e-05	-1.75e-05	0.0
591	57	5.62e-04	5.42e-03	-0.04	-9.14e-05	-2.14e-05	0.0
591	70	-4.87e-04	1.98e-03	-0.04	-9.76e-05	-2.48e-05	0.0
591	72	-4.24e-04	1.70e-03	-0.04	-8.39e-05	-2.16e-05	0.0
592	2	-9.05e-04	3.26e-03	-0.06	-1.61e-04	-4.63e-05	0.0
592	20	-2.89e-03	1.43e-03	-0.04	-9.53e-05	-2.59e-05	0.0
592	21	-7.14e-06	4.45e-03	-0.05	-1.09e-04	-3.01e-05	0.0
592	25	9.38e-06	4.45e-03	-0.05	-1.09e-04	-3.03e-05	0.0
592	52	-4.27e-03	1.09e-03	-0.04	-9.29e-05	-2.42e-05	0.0
592	53	3.22e-04	5.88e-03	-0.05	-1.14e-04	-3.07e-05	0.0
592	57	3.49e-04	5.88e-03	-0.05	-1.15e-04	-3.10e-05	0.0
592	70	-6.78e-04	2.44e-03	-0.05	-1.20e-04	-3.47e-05	0.0
592	72	-5.88e-04	2.09e-03	-0.05	-1.04e-04	-3.01e-05	0.0
593	2	-1.23e-03	3.70e-03	-0.07	-1.83e-04	-6.29e-05	0.0
593	20	-3.10e-03	1.68e-03	-0.05	-1.08e-04	-3.50e-05	0.0
593	21	-2.54e-04	4.76e-03	-0.05	-1.24e-04	-4.16e-05	0.0
593	25	-2.35e-04	4.76e-03	-0.05	-1.25e-04	-4.19e-05	0.0
593	52	-4.47e-03	1.34e-03	-0.05	-1.05e-04	-3.26e-05	0.0
593	53	4.66e-05	6.23e-03	-0.05	-1.31e-04	-4.30e-05	0.0
593	57	7.73e-05	6.23e-03	-0.05	-1.32e-04	-4.35e-05	0.0
593	70	-9.19e-04	2.76e-03	-0.05	-1.36e-04	-4.71e-05	0.0
593	72	-7.94e-04	2.37e-03	-0.05	-1.17e-04	-4.08e-05	0.0
594	2	-1.58e-03	3.89e-03	-0.08	-1.92e-04	-8.14e-05	0.0
594	20	-3.31e-03	1.79e-03	-0.05	-1.13e-04	-4.49e-05	0.0
594	21	-5.33e-04	4.90e-03	-0.06	-1.32e-04	-5.49e-05	0.0
594	25	-5.12e-04	4.90e-03	-0.06	-1.32e-04	-5.53e-05	0.0
594	52	-4.69e-03	1.44e-03	-0.05	-1.10e-04	-4.17e-05	0.0
594	53	-2.70e-04	6.39e-03	-0.06	-1.40e-04	-5.75e-05	0.0
594	57	-2.35e-04	6.39e-03	-0.06	-1.40e-04	-5.81e-05	0.0
594	70	-1.18e-03	2.90e-03	-0.06	-1.43e-04	-6.09e-05	0.0
594	72	-1.02e-03	2.49e-03	-0.06	-1.23e-04	-5.26e-05	0.0
595	2	-9.09e-04	-3.55e-03	-0.08	1.78e-04	-4.72e-05	0.0
595	11	-2.87e-03	-1.61e-03	-0.05	1.05e-04	-2.28e-05	0.0
595	22	-6.26e-05	-4.69e-03	-0.06	1.21e-04	-3.28e-05	0.0
595	26	-8.07e-05	-4.69e-03	-0.06	1.21e-04	-3.23e-05	0.0
595	43	-4.23e-03	-1.27e-03	-0.05	1.03e-04	-1.89e-05	0.0
595	54	2.33e-04	-6.17e-03	-0.06	1.29e-04	-3.48e-05	0.0



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595	58	2.04e-04	-6.17e-03	-0.06	1.29e-04	-3.41e-05	0.0
595	70	-6.80e-04	-2.65e-03	-0.06	1.33e-04	-3.53e-05	0.0
595	72	-5.87e-04	-2.27e-03	-0.05	1.14e-04	-3.05e-05	0.0
596	2	-7.91e-04	-3.48e-03	-0.07	1.74e-04	-4.10e-05	0.0
596	11	-2.80e-03	-1.57e-03	-0.05	1.03e-04	-1.99e-05	0.0
596	22	3.52e-05	-4.63e-03	-0.05	1.19e-04	-2.82e-05	0.0
596	26	1.83e-05	-4.63e-03	-0.05	1.18e-04	-2.78e-05	0.0
596	43	-4.16e-03	-1.23e-03	-0.05	1.01e-04	-1.65e-05	0.0
596	54	3.46e-04	-6.10e-03	-0.05	1.25e-04	-2.98e-05	0.0
596	58	3.19e-04	-6.11e-03	-0.05	1.25e-04	-2.91e-05	0.0
596	70	-5.93e-04	-2.59e-03	-0.05	1.30e-04	-3.07e-05	0.0
596	72	-5.12e-04	-2.23e-03	-0.05	1.12e-04	-2.65e-05	0.0
597	2	-6.03e-04	-3.17e-03	-0.06	1.59e-04	-3.11e-05	0.0
597	11	-2.69e-03	-1.39e-03	-0.05	9.44e-05	-1.51e-05	0.0
597	22	1.88e-04	-4.41e-03	-0.05	1.07e-04	-2.11e-05	0.0
597	26	1.74e-04	-4.41e-03	-0.05	1.07e-04	-2.08e-05	0.0
597	43	-4.05e-03	-1.06e-03	-0.04	9.24e-05	-1.25e-05	0.0
597	54	5.21e-04	-5.86e-03	-0.05	1.13e-04	-2.21e-05	0.0
597	58	4.98e-04	-5.86e-03	-0.05	1.13e-04	-2.16e-05	0.0
597	70	-4.52e-04	-2.36e-03	-0.05	1.18e-04	-2.33e-05	0.0
597	72	-3.91e-04	-2.03e-03	-0.05	1.02e-04	-2.02e-05	0.0
598	2	-4.42e-04	-2.67e-03	-0.06	1.34e-04	-2.28e-05	0.0
598	11	-2.58e-03	-1.09e-03	-0.04	7.97e-05	-1.11e-05	0.0
598	22	3.19e-04	-4.06e-03	-0.04	8.97e-05	-1.54e-05	0.0
598	26	3.07e-04	-4.06e-03	-0.04	8.96e-05	-1.51e-05	0.0
598	43	-3.94e-03	-7.68e-04	-0.04	7.82e-05	-9.19e-06	0.0
598	54	6.71e-04	-5.48e-03	-0.04	9.41e-05	-1.60e-05	0.0
598	58	6.52e-04	-5.48e-03	-0.04	9.39e-05	-1.56e-05	0.0
598	70	-3.31e-04	-1.99e-03	-0.04	9.98e-05	-1.71e-05	0.0
598	72	-2.88e-04	-1.71e-03	-0.04	8.59e-05	-1.49e-05	0.0
599	2	-3.19e-04	-2.03e-03	-0.05	1.02e-04	-1.65e-05	0.0
599	11	-2.50e-03	-7.12e-04	-0.04	6.09e-05	-8.09e-06	0.0
599	22	4.21e-04	-3.62e-03	-0.04	6.79e-05	-1.10e-05	0.0
599	26	4.13e-04	-3.62e-03	-0.04	6.78e-05	-1.08e-05	0.0
599	43	-3.85e-03	-3.94e-04	-0.04	5.97e-05	-6.71e-06	0.0
599	54	7.88e-04	-5.02e-03	-0.04	7.08e-05	-1.13e-05	0.0
599	58	7.74e-04	-5.02e-03	-0.04	7.07e-05	-1.10e-05	0.0
599	70	-2.39e-04	-1.52e-03	-0.04	7.61e-05	-1.24e-05	0.0
599	72	-2.09e-04	-1.30e-03	-0.04	6.55e-05	-1.08e-05	0.0
600	2	-2.37e-04	-1.31e-03	-0.05	6.58e-05	-1.24e-05	0.0
600	11	-2.43e-03	-2.74e-04	-0.03	3.92e-05	-6.22e-06	0.0
600	22	4.94e-04	-3.14e-03	-0.03	4.38e-05	-8.22e-06	0.0
600	26	4.89e-04	-3.14e-03	-0.03	4.37e-05	-8.12e-06	0.0
600	43	-3.78e-03	3.91e-05	-0.03	3.84e-05	-5.26e-06	0.0
600	54	8.74e-04	-4.52e-03	-0.04	4.56e-05	-8.43e-06	0.0
600	58	8.65e-04	-4.52e-03	-0.04	4.55e-05	-8.28e-06	0.0
600	70	-1.78e-04	-9.75e-04	-0.04	4.91e-05	-9.28e-06	0.0
600	72	-1.55e-04	-8.39e-04	-0.03	4.23e-05	-8.14e-06	0.0
601	1	-1.59e-04	-4.30e-04	-0.04	2.20e-05	-8.44e-06	0.0
601	2	-1.93e-04	-5.35e-04	-0.04	2.73e-05	-1.02e-05	0.0
601	10	2.14e-03	-8.56e-04	-0.03	1.78e-05	-7.80e-06	0.0
601	11	-2.39e-03	1.97e-04	-0.03	1.60e-05	-5.16e-06	0.0
601	26	5.38e-04	-2.64e-03	-0.03	1.89e-05	-6.78e-06	0.0
601	42	3.48e-03	-1.17e-03	-0.03	1.83e-05	-8.58e-06	0.0
601	43	-3.72e-03	5.08e-04	-0.03	1.54e-05	-4.39e-06	0.0
601	58	9.28e-04	-4.01e-03	-0.03	2.01e-05	-6.96e-06	0.0
601	69	-1.22e-04	-3.30e-04	-0.03	1.69e-05	-6.48e-06	0.0
601	70	-1.45e-04	-3.99e-04	-0.03	2.04e-05	-7.63e-06	0.0
601	71	-1.22e-04	-3.30e-04	-0.03	1.69e-05	-6.48e-06	0.0
601	72	-1.27e-04	-3.43e-04	-0.03	1.76e-05	-6.71e-06	0.0
602	1	-1.53e-04	2.04e-04	-0.04	-9.61e-06	-8.14e-06	0.0
602	2	-1.85e-04	2.54e-04	-0.04	-1.19e-05	-9.78e-06	0.0
602	17	2.14e-03	6.84e-04	-0.03	-8.17e-06	-7.52e-06	0.0
602	20	-2.38e-03	-3.71e-04	-0.03	-6.56e-06	-4.99e-06	0.0
602	25	5.53e-04	2.47e-03	-0.03	-9.26e-06	-6.60e-06	0.0
602	49	3.47e-03	9.96e-04	-0.03	-8.64e-06	-8.27e-06	0.0
602	52	-3.71e-03	-6.82e-04	-0.03	-6.09e-06	-4.24e-06	0.0
602	57	9.48e-04	3.83e-03	-0.03	-1.04e-05	-6.80e-06	0.0
602	69	-1.18e-04	1.57e-04	-0.03	-7.36e-06	-6.25e-06	0.0
602	70	-1.39e-04	1.90e-04	-0.03	-8.91e-06	-7.35e-06	0.0
602	71	-1.18e-04	1.57e-04	-0.03	-7.36e-06	-6.25e-06	0.0
602	72	-1.22e-04	1.63e-04	-0.03	-7.67e-06	-6.47e-06	0.0
603	2	-2.14e-04	1.03e-03	-0.04	-5.08e-05	-1.12e-05	0.0
603	20	-2.41e-03	1.08e-04	-0.03	-3.02e-05	-5.64e-06	0.0
603	21	5.11e-04	2.96e-03	-0.03	-3.40e-05	-7.41e-06	0.0
603	33	6.12e-04	2.32e-03	-0.03	-3.39e-05	-7.50e-06	0.0



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603	52	-3.76e-03	-2.05e-04	-0.03	-2.95e-05	-4.75e-06	0.0
603	53	8.93e-04	4.33e-03	-0.03	-3.55e-05	-7.56e-06	0.0
603	65	1.05e-03	3.31e-03	-0.03	-3.54e-05	-7.71e-06	0.0
603	70	-1.60e-04	7.73e-04	-0.03	-3.80e-05	-8.43e-06	0.0
603	72	-1.40e-04	6.65e-04	-0.03	-3.27e-05	-7.41e-06	0.0
604	2	-2.80e-04	1.78e-03	-0.05	-8.80e-05	-1.46e-05	0.0
604	20	-2.47e-03	5.61e-04	-0.04	-5.26e-05	-7.13e-06	0.0
604	21	4.46e-04	3.45e-03	-0.04	-5.84e-05	-9.54e-06	0.0
604	25	4.55e-04	3.45e-03	-0.04	-5.85e-05	-9.69e-06	0.0
604	52	-3.82e-03	2.44e-04	-0.04	-5.16e-05	-5.89e-06	0.0
604	53	8.13e-04	4.84e-03	-0.04	-6.08e-05	-9.72e-06	0.0
604	57	8.28e-04	4.84e-03	-0.04	-6.10e-05	-9.96e-06	0.0
604	70	-2.10e-04	1.33e-03	-0.04	-6.57e-05	-1.09e-05	0.0
604	72	-1.83e-04	1.14e-03	-0.04	-5.66e-05	-9.58e-06	0.0
605	2	-3.86e-04	2.46e-03	-0.05	-1.22e-04	-2.00e-05	0.0
605	20	-2.55e-03	9.66e-04	-0.04	-7.26e-05	-9.73e-06	0.0
605	21	3.53e-04	3.91e-03	-0.04	-8.12e-05	-1.33e-05	0.0
605	25	3.65e-04	3.91e-03	-0.04	-8.13e-05	-1.35e-05	0.0
605	52	-3.91e-03	6.44e-04	-0.04	-7.12e-05	-8.03e-06	0.0
605	53	7.04e-04	5.32e-03	-0.04	-8.50e-05	-1.37e-05	0.0
605	57	7.24e-04	5.32e-03	-0.04	-8.51e-05	-1.40e-05	0.0
605	70	-2.90e-04	1.83e-03	-0.04	-9.08e-05	-1.50e-05	0.0
605	72	-2.52e-04	1.58e-03	-0.04	-7.81e-05	-1.31e-05	0.0
606	2	-5.33e-04	3.01e-03	-0.06	-1.49e-04	-2.76e-05	0.0
606	20	-2.64e-03	1.30e-03	-0.04	-8.90e-05	-1.34e-05	0.0
606	21	2.30e-04	4.30e-03	-0.04	-1.01e-04	-1.83e-05	0.0
606	25	2.45e-04	4.29e-03	-0.04	-1.01e-04	-1.86e-05	0.0
606	52	-4.01e-03	9.68e-04	-0.04	-8.73e-05	-1.11e-05	0.0
606	53	5.62e-04	5.74e-03	-0.05	-1.06e-04	-1.90e-05	0.0
606	57	5.86e-04	5.73e-03	-0.05	-1.06e-04	-1.94e-05	0.0
606	70	-3.99e-04	2.25e-03	-0.05	-1.12e-04	-2.07e-05	0.0
606	72	-3.46e-04	1.93e-03	-0.04	-9.59e-05	-1.79e-05	0.0
607	2	-7.12e-04	3.40e-03	-0.07	-1.69e-04	-3.68e-05	0.0
607	20	-2.76e-03	1.52e-03	-0.05	-1.00e-04	-1.79e-05	0.0
607	21	8.21e-05	4.57e-03	-0.05	-1.14e-04	-2.48e-05	0.0
607	25	9.99e-05	4.57e-03	-0.05	-1.15e-04	-2.52e-05	0.0
607	52	-4.12e-03	1.19e-03	-0.05	-9.81e-05	-1.49e-05	0.0
607	53	3.92e-04	6.04e-03	-0.05	-1.21e-04	-2.59e-05	0.0
607	57	4.20e-04	6.03e-03	-0.05	-1.21e-04	-2.65e-05	0.0
607	70	-5.33e-04	2.54e-03	-0.05	-1.26e-04	-2.76e-05	0.0
607	72	-4.61e-04	2.18e-03	-0.05	-1.08e-04	-2.39e-05	0.0
608	2	-9.08e-04	3.56e-03	-0.08	-1.77e-04	-4.70e-05	0.0
608	20	-2.87e-03	1.61e-03	-0.05	-1.05e-04	-2.28e-05	0.0
608	21	-8.14e-05	4.69e-03	-0.06	-1.21e-04	-3.21e-05	0.0
608	25	-6.15e-05	4.69e-03	-0.06	-1.21e-04	-3.26e-05	0.0
608	52	-4.24e-03	1.28e-03	-0.05	-1.02e-04	-1.91e-05	0.0
608	53	2.03e-04	6.17e-03	-0.06	-1.28e-04	-3.39e-05	0.0
608	57	2.34e-04	6.17e-03	-0.06	-1.28e-04	-3.46e-05	0.0
608	70	-6.80e-04	2.66e-03	-0.06	-1.32e-04	-3.52e-05	0.0
608	72	-5.86e-04	2.28e-03	-0.05	-1.13e-04	-3.04e-05	0.0
609	2	-1.25e-04	-3.42e-03	-0.08	1.71e-04	-7.13e-06	0.0
609	11	-2.38e-03	-1.60e-03	-0.05	1.03e-04	2.36e-06	0.0
609	22	4.64e-04	-4.59e-03	-0.06	1.17e-04	-6.08e-06	0.0
609	24	-8.62e-04	-4.62e-03	-0.05	1.17e-04	-2.42e-06	0.0
609	43	-3.74e-03	-1.31e-03	-0.05	1.01e-04	6.37e-06	0.0
609	54	7.82e-04	-6.07e-03	-0.06	1.23e-04	-7.06e-06	0.0
609	56	-1.33e-03	-6.10e-03	-0.06	1.24e-04	-1.24e-06	0.0
609	70	-9.32e-05	-2.55e-03	-0.06	1.28e-04	-5.34e-06	0.0
609	72	-8.00e-05	-2.19e-03	-0.05	1.10e-04	-4.61e-06	0.0
610	2	-1.07e-04	-3.35e-03	-0.07	1.68e-04	-6.23e-06	0.0
610	11	-2.37e-03	-1.56e-03	-0.05	1.01e-04	2.05e-06	0.0
610	22	4.89e-04	-4.54e-03	-0.05	1.14e-04	-5.35e-06	0.0
610	24	-8.43e-04	-4.56e-03	-0.05	1.14e-04	-2.11e-06	0.0
610	43	-3.73e-03	-1.27e-03	-0.05	9.96e-05	5.55e-06	0.0
610	54	8.17e-04	-6.01e-03	-0.05	1.21e-04	-6.21e-06	0.0
610	56	-1.30e-03	-6.04e-03	-0.05	1.21e-04	-1.07e-06	0.0
610	70	-8.00e-05	-2.50e-03	-0.05	1.25e-04	-4.67e-06	0.0
610	72	-6.88e-05	-2.14e-03	-0.05	1.08e-04	-4.05e-06	0.0
611	2	-7.82e-05	-3.06e-03	-0.06	1.53e-04	-4.81e-06	0.0
611	11	-2.35e-03	-1.39e-03	-0.04	9.24e-05	1.68e-06	0.0
611	22	5.30e-04	-4.33e-03	-0.05	1.04e-04	-4.20e-06	0.0
611	26	5.16e-04	-4.35e-03	-0.05	1.04e-04	-3.84e-06	0.0
611	43	-3.71e-03	-1.11e-03	-0.04	9.13e-05	4.46e-06	0.0
611	54	8.72e-04	-5.78e-03	-0.05	1.09e-04	-4.89e-06	0.0
611	58	8.49e-04	-5.81e-03	-0.05	1.09e-04	-4.33e-06	0.0
611	70	-5.85e-05	-2.28e-03	-0.05	1.15e-04	-3.61e-06	0.0



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611	72	-5.06e-05	-1.96e-03	-0.05	9.84e-05	-3.15e-06	0.0
612	2	-5.33e-05	-2.58e-03	-0.06	1.29e-04	-3.59e-06	0.0
612	11	-2.33e-03	-1.11e-03	-0.04	7.82e-05	1.31e-06	0.0
612	22	5.68e-04	-4.00e-03	-0.04	8.67e-05	-3.20e-06	0.0
612	26	5.56e-04	-4.02e-03	-0.04	8.67e-05	-2.93e-06	0.0
612	43	-3.69e-03	-8.27e-04	-0.04	7.73e-05	3.44e-06	0.0
612	54	9.23e-04	-5.42e-03	-0.04	9.07e-05	-3.74e-06	0.0
612	58	9.04e-04	-5.45e-03	-0.04	9.07e-05	-3.31e-06	0.0
612	70	-4.00e-05	-1.92e-03	-0.04	9.67e-05	-2.69e-06	0.0
612	72	-3.49e-05	-1.65e-03	-0.04	8.31e-05	-2.37e-06	0.0
613	2	-3.41e-05	-1.97e-03	-0.05	9.89e-05	-2.64e-06	0.0
613	11	-2.31e-03	-7.41e-04	-0.04	5.99e-05	0.0	0.0
613	22	6.01e-04	-3.58e-03	-0.04	6.57e-05	-2.42e-06	0.0
613	26	5.93e-04	-3.60e-03	-0.04	6.57e-05	-2.23e-06	0.0
613	43	-3.66e-03	-4.64e-04	-0.04	5.92e-05	2.56e-06	0.0
613	54	9.68e-04	-4.98e-03	-0.04	6.85e-05	-2.83e-06	0.0
613	58	9.55e-04	-5.01e-03	-0.04	6.85e-05	-2.53e-06	0.0
613	70	-2.56e-05	-1.47e-03	-0.04	7.38e-05	-1.99e-06	0.0
613	72	-2.26e-05	-1.26e-03	-0.04	6.35e-05	-1.77e-06	0.0
614	2	-2.11e-05	-1.27e-03	-0.05	6.39e-05	-2.01e-06	0.0
614	11	-2.29e-03	-3.18e-04	-0.03	3.87e-05	0.0	0.0
614	22	6.29e-04	-3.12e-03	-0.03	4.25e-05	-1.87e-06	0.0
614	26	6.24e-04	-3.14e-03	-0.03	4.25e-05	-1.76e-06	0.0
614	43	-3.64e-03	-4.49e-05	-0.03	3.83e-05	1.87e-06	0.0
614	54	1.01e-03	-4.50e-03	-0.03	4.43e-05	-2.19e-06	0.0
614	58	1.00e-03	-4.53e-03	-0.03	4.43e-05	-2.01e-06	0.0
614	70	-1.59e-05	-9.46e-04	-0.03	4.77e-05	-1.51e-06	0.0
614	72	-1.44e-05	-8.13e-04	-0.03	4.11e-05	-1.37e-06	0.0
615	1	-1.28e-05	-4.17e-04	-0.04	2.14e-05	-1.46e-06	0.0
615	2	-1.42e-05	-5.19e-04	-0.04	2.66e-05	-1.67e-06	0.0
615	11	-2.27e-03	1.39e-04	-0.03	1.57e-05	0.0	0.0
615	26	6.50e-04	-2.66e-03	-0.03	1.84e-05	-1.53e-06	0.0
615	30	7.02e-04	-1.95e-03	-0.03	1.85e-05	-1.66e-06	0.0
615	43	-3.60e-03	4.10e-04	-0.03	1.53e-05	1.40e-06	0.0
615	58	1.04e-03	-4.04e-03	-0.03	1.96e-05	-1.77e-06	0.0
615	62	1.12e-03	-2.91e-03	-0.03	1.97e-05	-1.98e-06	0.0
615	69	-9.80e-06	-3.20e-04	-0.03	1.64e-05	-1.13e-06	0.0
615	70	-1.08e-05	-3.87e-04	-0.03	1.99e-05	-1.26e-06	0.0
615	71	-9.80e-06	-3.20e-04	-0.03	1.64e-05	-1.13e-06	0.0
615	72	-9.99e-06	-3.33e-04	-0.03	1.71e-05	-1.15e-06	0.0
616	1	-1.19e-05	1.99e-04	-0.04	-9.36e-06	-1.43e-06	0.0
616	2	-1.32e-05	2.47e-04	-0.04	-1.16e-05	-1.62e-06	0.0
616	17	2.25e-03	6.09e-04	-0.03	-7.83e-06	-2.60e-06	0.0
616	20	-2.27e-03	-3.04e-04	-0.03	-6.51e-06	0.0	0.0
616	27	-6.91e-04	2.49e-03	-0.03	-9.03e-06	0.0	0.0
616	49	3.58e-03	8.78e-04	-0.03	-8.21e-06	-3.48e-06	0.0
616	52	-3.60e-03	-5.73e-04	-0.03	-6.12e-06	1.29e-06	0.0
616	59	-1.09e-03	3.86e-03	-0.03	-1.01e-05	0.0	0.0
616	69	-9.17e-06	1.53e-04	-0.03	-7.17e-06	-1.10e-06	0.0
616	70	-1.00e-05	1.85e-04	-0.03	-8.68e-06	-1.23e-06	0.0
616	71	-9.17e-06	1.53e-04	-0.03	-7.17e-06	-1.10e-06	0.0
616	72	-9.33e-06	1.59e-04	-0.03	-7.47e-06	-1.12e-06	0.0
617	2	-1.79e-05	1.01e-03	-0.04	-4.94e-05	-1.86e-06	0.0
617	20	-2.29e-03	1.61e-04	-0.03	-2.99e-05	0.0	0.0
617	25	6.39e-04	2.95e-03	-0.03	-3.30e-05	-1.75e-06	0.0
617	27	-7.14e-04	2.97e-03	-0.03	-3.31e-05	0.0	0.0
617	52	-3.63e-03	-1.10e-04	-0.03	-2.95e-05	1.68e-06	0.0
617	57	1.02e-03	4.32e-03	-0.03	-3.45e-05	-2.06e-06	0.0
617	59	-1.13e-03	4.35e-03	-0.03	-3.46e-05	0.0	0.0
617	70	-1.35e-05	7.51e-04	-0.03	-3.69e-05	-1.40e-06	0.0
617	72	-1.23e-05	6.46e-04	-0.03	-3.18e-05	-1.27e-06	0.0
618	2	-2.86e-05	1.73e-03	-0.05	-8.54e-05	-2.38e-06	0.0
618	20	-2.31e-03	6.00e-04	-0.04	-5.18e-05	0.0	0.0
618	25	6.13e-04	3.42e-03	-0.04	-5.67e-05	-2.20e-06	0.0
618	27	-7.39e-04	3.44e-03	-0.04	-5.68e-05	0.0	0.0
618	52	-3.66e-03	3.26e-04	-0.04	-5.12e-05	2.29e-06	0.0
618	57	9.85e-04	4.81e-03	-0.04	-5.90e-05	-2.58e-06	0.0
618	59	-1.16e-03	4.84e-03	-0.04	-5.92e-05	0.0	0.0
618	70	-2.15e-05	1.29e-03	-0.04	-6.38e-05	-1.79e-06	0.0
618	72	-1.92e-05	1.11e-03	-0.04	-5.49e-05	-1.60e-06	0.0
619	2	-4.56e-05	2.38e-03	-0.05	-1.18e-04	-3.19e-06	0.0
619	20	-2.33e-03	9.91e-04	-0.04	-7.13e-05	1.18e-06	0.0
619	25	5.82e-04	3.86e-03	-0.04	-7.86e-05	-2.88e-06	0.0
619	27	-7.67e-04	3.88e-03	-0.04	-7.87e-05	-1.05e-06	0.0
619	52	-3.68e-03	7.12e-04	-0.04	-7.05e-05	3.09e-06	0.0
619	57	9.42e-04	5.27e-03	-0.04	-8.22e-05	-3.38e-06	0.0



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619	59	-1.20e-03	5.30e-03	-0.04	-8.23e-05	0.0	0.0
619	70	-3.42e-05	1.77e-03	-0.04	-8.80e-05	-2.40e-06	0.0
619	72	-2.99e-05	1.53e-03	-0.04	-7.57e-05	-2.12e-06	0.0
620	2	-6.84e-05	2.91e-03	-0.06	-1.45e-04	-4.29e-06	0.0
620	20	-2.35e-03	1.31e-03	-0.04	-8.72e-05	1.52e-06	0.0
620	25	5.46e-04	4.23e-03	-0.04	-9.72e-05	-3.77e-06	0.0
620	27	-7.98e-04	4.25e-03	-0.04	-9.73e-05	-1.41e-06	0.0
620	52	-3.71e-03	1.03e-03	-0.04	-8.62e-05	4.02e-06	0.0
620	57	8.93e-04	5.66e-03	-0.04	-1.02e-04	-4.40e-06	0.0
620	59	-1.24e-03	5.70e-03	-0.04	-1.02e-04	0.0	0.0
620	70	-5.12e-05	2.17e-03	-0.05	-1.08e-04	-3.22e-06	0.0
620	72	-4.44e-05	1.87e-03	-0.04	-9.28e-05	-2.82e-06	0.0
621	2	-9.58e-05	3.28e-03	-0.07	-1.63e-04	-5.60e-06	0.0
621	20	-2.37e-03	1.53e-03	-0.05	-9.80e-05	1.84e-06	0.0
621	25	5.06e-04	4.49e-03	-0.05	-1.10e-04	-4.82e-06	0.0
621	27	-8.31e-04	4.51e-03	-0.05	-1.10e-04	-1.89e-06	0.0
621	52	-3.73e-03	1.24e-03	-0.05	-9.67e-05	5.00e-06	0.0
621	57	8.39e-04	5.95e-03	-0.05	-1.16e-04	-5.59e-06	0.0
621	59	-1.29e-03	5.98e-03	-0.05	-1.17e-04	0.0	0.0
621	70	-7.17e-05	2.45e-03	-0.05	-1.22e-04	-4.20e-06	0.0
621	72	-6.18e-05	2.10e-03	-0.05	-1.04e-04	-3.65e-06	0.0
622	2	-1.25e-04	3.43e-03	-0.08	-1.70e-04	-7.04e-06	0.0
622	20	-2.38e-03	1.61e-03	-0.05	-1.02e-04	2.25e-06	0.0
622	25	4.64e-04	4.60e-03	-0.05	-1.16e-04	-5.97e-06	0.0
622	27	-8.63e-04	4.62e-03	-0.05	-1.16e-04	-2.40e-06	0.0
622	52	-3.74e-03	1.32e-03	-0.05	-1.01e-04	6.17e-06	0.0
622	57	7.83e-04	6.07e-03	-0.06	-1.23e-04	-6.91e-06	0.0
622	59	-1.33e-03	6.11e-03	-0.06	-1.23e-04	-1.24e-06	0.0
622	70	-9.36e-05	2.56e-03	-0.06	-1.27e-04	-5.27e-06	0.0
622	72	-8.03e-05	2.20e-03	-0.05	-1.09e-04	-4.56e-06	0.0
623	2	6.77e-04	-3.48e-03	-0.08	1.74e-04	3.38e-05	0.0
623	10	2.73e-03	-2.61e-03	-0.05	1.09e-04	1.57e-05	0.0
623	24	-3.28e-04	-4.69e-03	-0.06	1.20e-04	2.49e-05	0.0
623	42	4.09e-03	-2.88e-03	-0.05	1.10e-04	1.26e-05	0.0
623	56	-7.69e-04	-6.20e-03	-0.06	1.27e-04	2.72e-05	0.0
623	70	5.07e-04	-2.60e-03	-0.06	1.30e-04	2.53e-05	0.0
623	72	4.38e-04	-2.23e-03	-0.05	1.12e-04	2.18e-05	0.0
624	2	5.94e-04	-3.41e-03	-0.07	1.71e-04	2.93e-05	0.0
624	10	2.68e-03	-2.56e-03	-0.05	1.07e-04	1.35e-05	0.0
624	24	-3.79e-04	-4.64e-03	-0.05	1.17e-04	2.14e-05	0.0
624	42	4.04e-03	-2.84e-03	-0.05	1.08e-04	1.07e-05	0.0
624	56	-8.21e-04	-6.14e-03	-0.05	1.24e-04	2.32e-05	0.0
624	70	4.45e-04	-2.55e-03	-0.05	1.28e-04	2.20e-05	0.0
624	72	3.85e-04	-2.19e-03	-0.05	1.10e-04	1.90e-05	0.0
625	2	4.62e-04	-3.11e-03	-0.06	1.56e-04	2.23e-05	0.0
625	10	2.60e-03	-2.37e-03	-0.05	9.72e-05	9.95e-06	0.0
625	24	-4.58e-04	-4.42e-03	-0.05	1.06e-04	1.59e-05	0.0
625	42	3.96e-03	-2.65e-03	-0.05	9.79e-05	7.65e-06	0.0
625	56	-8.98e-04	-5.90e-03	-0.05	1.12e-04	1.72e-05	0.0
625	70	3.46e-04	-2.32e-03	-0.05	1.16e-04	1.67e-05	0.0
625	72	3.00e-04	-2.00e-03	-0.05	1.00e-04	1.44e-05	0.0
626	2	3.49e-04	-2.62e-03	-0.06	1.32e-04	1.63e-05	0.0
626	10	2.52e-03	-2.07e-03	-0.04	8.19e-05	6.62e-06	0.0
626	24	-5.20e-04	-4.08e-03	-0.04	8.85e-05	1.15e-05	0.0
626	42	3.88e-03	-2.34e-03	-0.04	8.23e-05	4.52e-06	0.0
626	56	-9.55e-04	-5.53e-03	-0.04	9.29e-05	1.22e-05	0.0
626	70	2.62e-04	-1.96e-03	-0.04	9.82e-05	1.22e-05	0.0
626	72	2.27e-04	-1.68e-03	-0.04	8.45e-05	1.06e-05	0.0
627	2	2.62e-04	-2.00e-03	-0.05	1.00e-04	1.18e-05	0.0
627	10	2.46e-03	-1.68e-03	-0.04	6.24e-05	4.73e-06	0.0
627	24	-5.61e-04	-3.65e-03	-0.04	6.70e-05	8.20e-06	0.0
627	42	3.81e-03	-1.94e-03	-0.04	6.27e-05	3.17e-06	0.0
627	56	-9.89e-04	-5.07e-03	-0.04	7.00e-05	8.69e-06	0.0
627	70	1.97e-04	-1.49e-03	-0.04	7.49e-05	8.85e-06	0.0
627	72	1.71e-04	-1.28e-03	-0.04	6.45e-05	7.66e-06	0.0
628	2	2.04e-04	-1.29e-03	-0.05	6.48e-05	8.81e-06	0.0
628	10	2.41e-03	-1.24e-03	-0.03	4.03e-05	3.52e-06	0.0
628	24	-5.81e-04	-3.17e-03	-0.03	4.32e-05	5.99e-06	0.0
628	42	3.76e-03	-1.50e-03	-0.03	4.05e-05	2.36e-06	0.0
628	56	-9.99e-04	-4.58e-03	-0.03	4.51e-05	6.30e-06	0.0
628	70	1.53e-04	-9.60e-04	-0.03	4.84e-05	6.60e-06	0.0
628	72	1.33e-04	-8.26e-04	-0.03	4.17e-05	5.71e-06	0.0
629	1	1.40e-04	-4.24e-04	-0.04	2.17e-05	5.84e-06	0.0
629	2	1.72e-04	-5.27e-04	-0.04	2.70e-05	7.21e-06	0.0
629	10	2.37e-03	-7.68e-04	-0.03	1.70e-05	2.93e-06	0.0
629	24	-5.81e-04	-2.68e-03	-0.03	1.88e-05	4.92e-06	0.0



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629	32	-5.31e-04	-1.95e-03	-0.03	1.88e-05	4.87e-06	0.0
629	42	3.71e-03	-1.03e-03	-0.03	1.72e-05	2.02e-06	0.0
629	56	-9.88e-04	-4.08e-03	-0.03	2.00e-05	5.17e-06	0.0
629	64	-9.08e-04	-2.91e-03	-0.03	2.00e-05	5.10e-06	0.0
629	69	1.08e-04	-3.25e-04	-0.03	1.67e-05	4.49e-06	0.0
629	70	1.29e-04	-3.93e-04	-0.03	2.01e-05	5.40e-06	0.0
629	71	1.08e-04	-3.25e-04	-0.03	1.67e-05	4.49e-06	0.0
629	72	1.12e-04	-3.38e-04	-0.03	1.74e-05	4.67e-06	0.0
630	1	1.36e-04	2.02e-04	-0.04	-9.47e-06	5.61e-06	0.0
630	2	1.67e-04	2.51e-04	-0.04	-1.18e-05	6.92e-06	0.0
630	17	2.36e-03	5.96e-04	-0.03	-7.65e-06	2.84e-06	0.0
630	19	-2.15e-03	6.81e-04	-0.03	-8.01e-06	5.75e-06	0.0
630	27	-5.78e-04	2.51e-03	-0.03	-9.18e-06	4.71e-06	0.0
630	49	3.70e-03	8.57e-04	-0.03	-7.88e-06	1.98e-06	0.0
630	51	-3.47e-03	9.92e-04	-0.03	-8.46e-06	6.61e-06	0.0
630	59	-9.81e-04	3.90e-03	-0.03	-1.03e-05	4.95e-06	0.0
630	69	1.04e-04	1.55e-04	-0.03	-7.25e-06	4.31e-06	0.0
630	70	1.25e-04	1.87e-04	-0.03	-8.78e-06	5.18e-06	0.0
630	71	1.04e-04	1.55e-04	-0.03	-7.25e-06	4.31e-06	0.0
630	72	1.09e-04	1.61e-04	-0.03	-7.56e-06	4.48e-06	0.0
631	2	1.87e-04	1.02e-03	-0.04	-5.01e-05	7.94e-06	0.0
631	17	2.40e-03	1.07e-03	-0.03	-3.12e-05	3.15e-06	0.0
631	27	-5.86e-04	3.00e-03	-0.03	-3.36e-05	5.39e-06	0.0
631	49	3.74e-03	1.33e-03	-0.03	-3.14e-05	2.09e-06	0.0
631	59	-1.00e-03	4.40e-03	-0.03	-3.52e-05	5.65e-06	0.0
631	70	1.40e-04	7.62e-04	-0.03	-3.74e-05	5.95e-06	0.0
631	72	1.22e-04	6.56e-04	-0.03	-3.22e-05	5.15e-06	0.0
632	2	2.33e-04	1.75e-03	-0.05	-8.67e-05	1.03e-05	0.0
632	17	2.44e-03	1.53e-03	-0.04	-5.39e-05	4.09e-06	0.0
632	27	-5.75e-04	3.48e-03	-0.04	-5.78e-05	7.05e-06	0.0
632	49	3.79e-03	1.79e-03	-0.04	-5.41e-05	2.69e-06	0.0
632	59	-1.00e-03	4.90e-03	-0.04	-6.03e-05	7.41e-06	0.0
632	70	1.75e-04	1.31e-03	-0.04	-6.47e-05	7.75e-06	0.0
632	72	1.52e-04	1.13e-03	-0.04	-5.57e-05	6.71e-06	0.0
633	2	3.08e-04	2.42e-03	-0.05	-1.20e-04	1.43e-05	0.0
633	17	2.50e-03	1.94e-03	-0.04	-7.45e-05	5.72e-06	0.0
633	27	-5.42e-04	3.93e-03	-0.04	-8.03e-05	9.97e-06	0.0
633	49	3.85e-03	2.20e-03	-0.04	-7.49e-05	3.84e-06	0.0
633	59	-9.76e-04	5.37e-03	-0.04	-8.41e-05	1.06e-05	0.0
633	70	2.31e-04	1.80e-03	-0.04	-8.94e-05	1.07e-05	0.0
633	72	2.00e-04	1.55e-03	-0.04	-7.69e-05	9.25e-06	0.0
634	2	4.11e-04	2.96e-03	-0.06	-1.47e-04	1.97e-05	0.0
634	17	2.57e-03	2.28e-03	-0.04	-9.16e-05	8.70e-06	0.0
634	27	-4.88e-04	4.31e-03	-0.04	-9.94e-05	1.40e-05	0.0
634	49	3.93e-03	2.55e-03	-0.04	-9.22e-05	6.60e-06	0.0
634	59	-9.27e-04	5.78e-03	-0.04	-1.05e-04	1.50e-05	0.0
634	70	3.08e-04	2.21e-03	-0.05	-1.10e-04	1.48e-05	0.0
634	72	2.67e-04	1.90e-03	-0.04	-9.44e-05	1.28e-05	0.0
635	2	5.36e-04	3.34e-03	-0.07	-1.66e-04	2.64e-05	0.0
635	17	2.65e-03	2.52e-03	-0.05	-1.03e-04	1.21e-05	0.0
635	27	-4.15e-04	4.58e-03	-0.05	-1.13e-04	1.91e-05	0.0
635	49	4.01e-03	2.79e-03	-0.05	-1.04e-04	9.53e-06	0.0
635	59	-8.57e-04	6.08e-03	-0.05	-1.19e-04	2.06e-05	0.0
635	70	4.02e-04	2.49e-03	-0.05	-1.24e-04	1.98e-05	0.0
635	72	3.48e-04	2.14e-03	-0.05	-1.06e-04	1.71e-05	0.0
636	2	6.74e-04	3.50e-03	-0.08	-1.73e-04	3.38e-05	0.0
636	17	2.73e-03	2.61e-03	-0.05	-1.08e-04	1.58e-05	0.0
636	27	-3.30e-04	4.70e-03	-0.06	-1.19e-04	2.48e-05	0.0
636	49	4.09e-03	2.89e-03	-0.05	-1.09e-04	1.28e-05	0.0
636	59	-7.73e-04	6.21e-03	-0.06	-1.26e-04	2.71e-05	0.0
636	70	5.05e-04	2.61e-03	-0.06	-1.29e-04	2.53e-05	0.0
636	72	4.36e-04	2.24e-03	-0.05	-1.11e-04	2.18e-05	0.0
637	2	1.40e-03	-3.75e-03	-0.08	1.87e-04	7.10e-05	0.0
637	10	3.20e-03	-2.75e-03	-0.06	1.16e-04	3.97e-05	0.0
637	24	1.43e-04	-4.92e-03	-0.06	1.29e-04	4.97e-05	0.0
637	42	4.58e-03	-3.01e-03	-0.06	1.16e-04	3.72e-05	0.0
637	56	-2.87e-04	-6.46e-03	-0.06	1.37e-04	5.30e-05	0.0
637	70	1.05e-03	-2.80e-03	-0.06	1.40e-04	5.32e-05	0.0
637	72	9.09e-04	-2.40e-03	-0.06	1.20e-04	4.59e-05	0.0
638	2	1.23e-03	-3.67e-03	-0.07	1.83e-04	6.14e-05	0.0
638	10	3.09e-03	-2.69e-03	-0.05	1.13e-04	3.42e-05	0.0
638	24	2.83e-05	-4.85e-03	-0.05	1.26e-04	4.24e-05	0.0
638	42	4.47e-03	-2.95e-03	-0.05	1.14e-04	3.19e-05	0.0
638	56	-4.05e-04	-6.38e-03	-0.05	1.34e-04	4.48e-05	0.0
638	70	9.18e-04	-2.74e-03	-0.06	1.37e-04	4.60e-05	0.0
638	72	7.94e-04	-2.35e-03	-0.05	1.17e-04	3.98e-05	0.0



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639	2	9.38e-04	-3.34e-03	-0.06	1.66e-04	4.61e-05	0.0
639	10	2.91e-03	-2.49e-03	-0.05	1.03e-04	2.55e-05	0.0
639	24	-1.54e-04	-4.60e-03	-0.05	1.13e-04	3.12e-05	0.0
639	42	4.28e-03	-2.74e-03	-0.05	1.03e-04	2.36e-05	0.0
639	56	-5.90e-04	-6.11e-03	-0.05	1.20e-04	3.26e-05	0.0
639	70	7.03e-04	-2.49e-03	-0.05	1.24e-04	3.46e-05	0.0
639	72	6.10e-04	-2.14e-03	-0.05	1.07e-04	2.99e-05	0.0
640	2	6.97e-04	-2.80e-03	-0.06	1.40e-04	3.35e-05	0.0
640	10	2.75e-03	-2.15e-03	-0.04	8.62e-05	1.83e-05	0.0
640	24	-3.02e-04	-4.22e-03	-0.04	9.44e-05	2.22e-05	0.0
640	42	4.12e-03	-2.41e-03	-0.04	8.62e-05	1.68e-05	0.0
640	56	-7.37e-04	-5.70e-03	-0.04	9.92e-05	2.29e-05	0.0
640	70	5.22e-04	-2.09e-03	-0.04	1.04e-04	2.51e-05	0.0
640	72	4.54e-04	-1.80e-03	-0.04	8.98e-05	2.18e-05	0.0
641	2	5.14e-04	-2.12e-03	-0.05	1.06e-04	2.41e-05	0.0
641	10	2.63e-03	-1.73e-03	-0.04	6.54e-05	1.29e-05	0.0
641	24	-4.05e-04	-3.75e-03	-0.04	7.10e-05	1.55e-05	0.0
641	42	3.99e-03	-1.98e-03	-0.04	6.53e-05	1.16e-05	0.0
641	56	-8.35e-04	-5.20e-03	-0.04	7.42e-05	1.58e-05	0.0
641	70	3.86e-04	-1.59e-03	-0.04	7.93e-05	1.80e-05	0.0
641	72	3.35e-04	-1.36e-03	-0.04	6.83e-05	1.57e-05	0.0
642	2	3.93e-04	-1.36e-03	-0.05	6.84e-05	1.79e-05	0.0
642	10	2.54e-03	-1.26e-03	-0.03	4.21e-05	9.61e-06	0.0
642	24	-4.65e-04	-3.24e-03	-0.04	4.56e-05	1.15e-05	0.0
642	32	-3.43e-04	-2.47e-03	-0.04	4.53e-05	1.15e-05	0.0
642	42	3.89e-03	-1.52e-03	-0.03	4.20e-05	8.66e-06	0.0
642	56	-8.85e-04	-4.66e-03	-0.04	4.76e-05	1.17e-05	0.0
642	64	-6.91e-04	-3.42e-03	-0.04	4.71e-05	1.16e-05	0.0
642	70	2.95e-04	-1.02e-03	-0.04	5.11e-05	1.34e-05	0.0
642	72	2.56e-04	-8.76e-04	-0.04	4.40e-05	1.17e-05	0.0
643	2	3.28e-04	-5.57e-04	-0.04	2.84e-05	1.46e-05	0.0
643	10	2.48e-03	-7.70e-04	-0.03	1.77e-05	7.92e-06	0.0
643	12	-2.04e-03	-8.73e-04	-0.03	1.87e-05	1.04e-05	0.0
643	24	-4.85e-04	-2.72e-03	-0.03	1.97e-05	9.47e-06	0.0
643	42	3.82e-03	-1.02e-03	-0.03	1.77e-05	7.17e-06	0.0
643	44	-3.37e-03	-1.19e-03	-0.03	1.93e-05	1.11e-05	0.0
643	56	-8.93e-04	-4.13e-03	-0.03	2.09e-05	9.65e-06	0.0
643	70	2.46e-04	-4.16e-04	-0.03	2.12e-05	1.09e-05	0.0
643	72	2.14e-04	-3.58e-04	-0.03	1.83e-05	9.53e-06	0.0
644	1	2.59e-04	2.12e-04	-0.04	-9.93e-06	1.15e-05	0.0
644	2	3.17e-04	2.63e-04	-0.04	-1.23e-05	1.40e-05	0.0
644	17	2.47e-03	5.89e-04	-0.03	-7.83e-06	7.63e-06	0.0
644	19	-2.06e-03	6.91e-04	-0.03	-8.52e-06	9.97e-06	0.0
644	27	-4.86e-04	2.54e-03	-0.03	-9.49e-06	9.10e-06	0.0
644	49	3.80e-03	8.40e-04	-0.03	-7.95e-06	6.93e-06	0.0
644	51	-3.39e-03	1.00e-03	-0.03	-9.06e-06	1.07e-05	0.0
644	59	-8.90e-04	3.94e-03	-0.03	-1.06e-05	9.27e-06	0.0
644	69	1.99e-04	1.63e-04	-0.03	-7.61e-06	8.81e-06	0.0
644	70	2.38e-04	1.97e-04	-0.03	-9.20e-06	1.05e-05	0.0
644	71	1.99e-04	1.63e-04	-0.03	-7.61e-06	8.81e-06	0.0
644	72	2.07e-04	1.69e-04	-0.03	-7.92e-06	9.15e-06	0.0
645	2	3.58e-04	1.08e-03	-0.04	-5.27e-05	1.61e-05	0.0
645	17	2.51e-03	1.09e-03	-0.03	-3.25e-05	8.66e-06	0.0
645	19	-2.02e-03	1.20e-03	-0.03	-3.41e-05	1.15e-05	0.0
645	27	-4.81e-04	3.06e-03	-0.03	-3.53e-05	1.04e-05	0.0
645	49	3.86e-03	1.34e-03	-0.03	-3.25e-05	7.79e-06	0.0
645	51	-3.35e-03	1.52e-03	-0.03	-3.50e-05	1.23e-05	0.0
645	59	-8.97e-04	4.47e-03	-0.03	-3.69e-05	1.05e-05	0.0
645	70	2.68e-04	8.05e-04	-0.03	-3.94e-05	1.21e-05	0.0
645	72	2.34e-04	6.93e-04	-0.03	-3.39e-05	1.05e-05	0.0
646	2	4.54e-04	1.86e-03	-0.05	-9.16e-05	2.10e-05	0.0
646	17	2.59e-03	1.57e-03	-0.04	-5.64e-05	1.12e-05	0.0
646	27	-4.39e-04	3.57e-03	-0.04	-6.11e-05	1.35e-05	0.0
646	49	3.95e-03	1.82e-03	-0.04	-5.63e-05	1.01e-05	0.0
646	59	-8.66e-04	5.01e-03	-0.04	-6.37e-05	1.38e-05	0.0
646	70	3.40e-04	1.39e-03	-0.04	-6.84e-05	1.58e-05	0.0
646	72	2.96e-04	1.20e-03	-0.04	-5.89e-05	1.37e-05	0.0
647	2	6.10e-04	2.57e-03	-0.05	-1.27e-04	2.91e-05	0.0
647	17	2.70e-03	2.01e-03	-0.04	-7.83e-05	1.56e-05	0.0
647	27	-3.54e-04	4.06e-03	-0.04	-8.54e-05	1.92e-05	0.0
647	49	4.06e-03	2.26e-03	-0.04	-7.83e-05	1.40e-05	0.0
647	59	-7.88e-04	5.52e-03	-0.04	-8.96e-05	1.98e-05	0.0
647	70	4.58e-04	1.92e-03	-0.04	-9.49e-05	2.18e-05	0.0
647	72	3.98e-04	1.65e-03	-0.04	-8.17e-05	1.90e-05	0.0
648	2	8.29e-04	3.17e-03	-0.06	-1.57e-04	4.06e-05	0.0
648	17	2.84e-03	2.38e-03	-0.04	-9.68e-05	2.23e-05	0.0



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648	27	-2.23e-04	4.48e-03	-0.05	-1.06e-04	2.72e-05	0.0
648	49	4.21e-03	2.64e-03	-0.04	-9.70e-05	2.06e-05	0.0
648	59	-6.60e-04	5.97e-03	-0.05	-1.12e-04	2.83e-05	0.0
648	70	6.21e-04	2.37e-03	-0.05	-1.17e-04	3.04e-05	0.0
648	72	5.39e-04	2.03e-03	-0.04	-1.01e-04	2.64e-05	0.0
649	2	1.10e-03	3.58e-03	-0.07	-1.77e-04	5.50e-05	0.0
649	17	3.02e-03	2.64e-03	-0.05	-1.10e-04	3.06e-05	0.0
649	27	-5.23e-05	4.78e-03	-0.05	-1.21e-04	3.76e-05	0.0
649	49	4.39e-03	2.90e-03	-0.05	-1.10e-04	2.85e-05	0.0
649	59	-4.88e-04	6.31e-03	-0.05	-1.29e-04	3.96e-05	0.0
649	70	8.25e-04	2.68e-03	-0.05	-1.32e-04	4.12e-05	0.0
649	72	7.14e-04	2.30e-03	-0.05	-1.14e-04	3.56e-05	0.0
650	2	1.40e-03	3.76e-03	-0.08	-1.86e-04	7.09e-05	0.0
650	17	3.20e-03	2.75e-03	-0.06	-1.15e-04	3.98e-05	0.0
650	27	1.40e-04	4.92e-03	-0.06	-1.28e-04	4.95e-05	0.0
650	49	4.58e-03	3.02e-03	-0.06	-1.16e-04	3.73e-05	0.0
650	59	-2.92e-04	6.46e-03	-0.06	-1.36e-04	5.28e-05	0.0
650	70	1.05e-03	2.81e-03	-0.06	-1.39e-04	5.31e-05	0.0
650	72	9.06e-04	2.41e-03	-0.06	-1.19e-04	4.58e-05	0.0
651	2	1.95e-03	-4.21e-03	-0.08	2.08e-04	9.92e-05	0.0
651	10	3.58e-03	-3.01e-03	-0.06	1.28e-04	5.90e-05	0.0
651	24	4.71e-04	-5.28e-03	-0.06	1.45e-04	6.83e-05	0.0
651	42	4.98e-03	-3.26e-03	-0.06	1.29e-04	5.74e-05	0.0
651	56	3.39e-05	-6.87e-03	-0.06	1.55e-04	7.22e-05	0.0
651	70	1.46e-03	-3.14e-03	-0.06	1.56e-04	7.43e-05	0.0
651	72	1.26e-03	-2.69e-03	-0.06	1.33e-04	6.42e-05	0.0
652	2	1.69e-03	-4.11e-03	-0.08	2.03e-04	8.50e-05	0.0
652	10	3.42e-03	-2.94e-03	-0.05	1.25e-04	5.04e-05	0.0
652	24	3.12e-04	-5.19e-03	-0.06	1.41e-04	5.75e-05	0.0
652	42	4.81e-03	-3.19e-03	-0.05	1.25e-04	4.89e-05	0.0
652	56	-1.24e-04	-6.77e-03	-0.06	1.50e-04	6.01e-05	0.0
652	70	1.26e-03	-3.07e-03	-0.06	1.52e-04	6.37e-05	0.0
652	72	1.09e-03	-2.63e-03	-0.05	1.30e-04	5.51e-05	0.0
653	2	1.27e-03	-3.71e-03	-0.07	1.84e-04	6.25e-05	0.0
653	10	3.15e-03	-2.70e-03	-0.05	1.13e-04	3.69e-05	0.0
653	24	4.61e-05	-4.89e-03	-0.05	1.26e-04	4.12e-05	0.0
653	42	4.53e-03	-2.94e-03	-0.05	1.13e-04	3.57e-05	0.0
653	56	-3.94e-04	-6.43e-03	-0.05	1.34e-04	4.24e-05	0.0
653	70	9.49e-04	-2.77e-03	-0.05	1.37e-04	4.68e-05	0.0
653	72	8.24e-04	-2.38e-03	-0.05	1.18e-04	4.06e-05	0.0
654	2	9.21e-04	-3.09e-03	-0.06	1.53e-04	4.44e-05	0.0
654	10	2.92e-03	-2.31e-03	-0.04	9.39e-05	2.59e-05	0.0
654	24	-1.68e-04	-4.44e-03	-0.04	1.04e-04	2.87e-05	0.0
654	42	4.30e-03	-2.55e-03	-0.04	9.36e-05	2.47e-05	0.0
654	56	-6.08e-04	-5.94e-03	-0.04	1.09e-04	2.92e-05	0.0
654	70	6.90e-04	-2.31e-03	-0.04	1.14e-04	3.33e-05	0.0
654	72	6.01e-04	-1.98e-03	-0.04	9.85e-05	2.90e-05	0.0
655	2	6.69e-04	-2.32e-03	-0.05	1.15e-04	3.15e-05	0.0
655	10	2.75e-03	-1.84e-03	-0.04	7.07e-05	1.85e-05	0.0
655	24	-3.13e-04	-3.91e-03	-0.04	7.71e-05	1.99e-05	0.0
655	42	4.12e-03	-2.08e-03	-0.04	7.03e-05	1.77e-05	0.0
655	56	-7.47e-04	-5.36e-03	-0.04	8.05e-05	2.00e-05	0.0
655	70	5.02e-04	-1.74e-03	-0.04	8.62e-05	2.36e-05	0.0
655	72	4.37e-04	-1.49e-03	-0.04	7.43e-05	2.06e-05	0.0
656	2	5.05e-04	-1.48e-03	-0.05	7.39e-05	2.32e-05	0.0
656	10	2.62e-03	-1.32e-03	-0.04	4.53e-05	1.36e-05	0.0
656	12	-1.93e-03	-1.46e-03	-0.04	4.78e-05	1.55e-05	0.0
656	24	-3.97e-04	-3.34e-03	-0.04	4.91e-05	1.47e-05	0.0
656	42	3.98e-03	-1.56e-03	-0.04	4.50e-05	1.31e-05	0.0
656	44	-3.26e-03	-1.78e-03	-0.04	4.90e-05	1.60e-05	0.0
656	56	-8.20e-04	-4.77e-03	-0.04	5.11e-05	1.47e-05	0.0
656	70	3.79e-04	-1.11e-03	-0.04	5.52e-05	1.74e-05	0.0
656	72	3.31e-04	-9.53e-04	-0.04	4.76e-05	1.52e-05	0.0
657	2	4.20e-04	-6.05e-04	-0.04	3.06e-05	1.89e-05	0.0
657	10	2.55e-03	-7.84e-04	-0.03	1.89e-05	1.12e-05	0.0
657	12	-2.00e-03	-9.07e-04	-0.03	2.02e-05	1.27e-05	0.0
657	24	-4.30e-04	-2.77e-03	-0.03	2.10e-05	1.21e-05	0.0
657	42	3.90e-03	-1.03e-03	-0.03	1.88e-05	1.07e-05	0.0
657	44	-3.33e-03	-1.22e-03	-0.03	2.10e-05	1.31e-05	0.0
657	56	-8.40e-04	-4.19e-03	-0.03	2.22e-05	1.21e-05	0.0
657	70	3.15e-04	-4.52e-04	-0.03	2.29e-05	1.42e-05	0.0
657	72	2.75e-04	-3.89e-04	-0.03	1.97e-05	1.24e-05	0.0
658	2	4.05e-04	2.83e-04	-0.04	-1.32e-05	1.82e-05	0.0
658	17	2.53e-03	5.86e-04	-0.03	-8.24e-06	1.07e-05	0.0
658	19	-2.01e-03	7.05e-04	-0.03	-9.17e-06	1.22e-05	0.0
658	27	-4.32e-04	2.57e-03	-0.03	-9.94e-06	1.16e-05	0.0



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658	49	3.88e-03	8.28e-04	-0.03	-8.29e-06	1.03e-05	0.0
658	51	-3.35e-03	1.02e-03	-0.03	-9.77e-06	1.26e-05	0.0
658	59	-8.38e-04	3.98e-03	-0.03	-1.10e-05	1.17e-05	0.0
658	70	3.04e-04	2.11e-04	-0.03	-9.85e-06	1.36e-05	0.0
658	72	2.65e-04	1.82e-04	-0.03	-8.49e-06	1.19e-05	0.0
659	2	4.59e-04	1.17e-03	-0.05	-5.68e-05	2.09e-05	0.0
659	17	2.59e-03	1.13e-03	-0.03	-3.48e-05	1.23e-05	0.0
659	19	-1.97e-03	1.26e-03	-0.04	-3.69e-05	1.40e-05	0.0
659	27	-4.20e-04	3.13e-03	-0.04	-3.78e-05	1.32e-05	0.0
659	49	3.95e-03	1.37e-03	-0.03	-3.46e-05	1.17e-05	0.0
659	51	-3.30e-03	1.58e-03	-0.04	-3.79e-05	1.44e-05	0.0
659	59	-8.39e-04	4.56e-03	-0.04	-3.95e-05	1.32e-05	0.0
659	70	3.44e-04	8.71e-04	-0.04	-4.24e-05	1.57e-05	0.0
659	72	3.01e-04	7.50e-04	-0.03	-3.66e-05	1.37e-05	0.0
660	2	5.87e-04	2.03e-03	-0.05	-9.92e-05	2.74e-05	0.0
660	17	2.69e-03	1.65e-03	-0.04	-6.07e-05	1.60e-05	0.0
660	27	-3.60e-04	3.70e-03	-0.04	-6.60e-05	1.72e-05	0.0
660	49	4.06e-03	1.89e-03	-0.04	-6.04e-05	1.53e-05	0.0
660	59	-7.90e-04	5.15e-03	-0.04	-6.88e-05	1.72e-05	0.0
660	70	4.40e-04	1.51e-03	-0.04	-7.41e-05	2.05e-05	0.0
660	72	3.84e-04	1.30e-03	-0.04	-6.39e-05	1.79e-05	0.0
661	2	7.99e-04	2.83e-03	-0.06	-1.39e-04	3.83e-05	0.0
661	17	2.84e-03	2.15e-03	-0.04	-8.51e-05	2.24e-05	0.0
661	27	-2.42e-04	4.25e-03	-0.04	-9.34e-05	2.43e-05	0.0
661	49	4.22e-03	2.39e-03	-0.04	-8.47e-05	2.13e-05	0.0
661	59	-6.81e-04	5.73e-03	-0.04	-9.79e-05	2.44e-05	0.0
661	70	5.99e-04	2.11e-03	-0.04	-1.04e-04	2.87e-05	0.0
661	72	5.22e-04	1.82e-03	-0.04	-8.93e-05	2.50e-05	0.0
662	2	1.11e-03	3.52e-03	-0.06	-1.73e-04	5.44e-05	0.0
662	17	3.04e-03	2.58e-03	-0.05	-1.06e-04	3.21e-05	0.0
662	27	-5.62e-05	4.74e-03	-0.05	-1.18e-04	3.55e-05	0.0
662	49	4.43e-03	2.82e-03	-0.05	-1.06e-04	3.10e-05	0.0
662	59	-4.98e-04	6.27e-03	-0.05	-1.24e-04	3.64e-05	0.0
662	70	8.29e-04	2.63e-03	-0.05	-1.29e-04	4.08e-05	0.0
662	72	7.20e-04	2.26e-03	-0.05	-1.11e-04	3.54e-05	0.0
663	2	1.50e-03	4.00e-03	-0.07	-1.97e-04	7.55e-05	0.0
663	17	3.30e-03	2.88e-03	-0.05	-1.21e-04	4.47e-05	0.0
663	27	1.94e-04	5.11e-03	-0.05	-1.36e-04	5.05e-05	0.0
663	49	4.69e-03	3.13e-03	-0.05	-1.21e-04	4.33e-05	0.0
663	59	-2.44e-04	6.67e-03	-0.05	-1.44e-04	5.25e-05	0.0
663	70	1.12e-03	2.99e-03	-0.06	-1.47e-04	5.66e-05	0.0
663	72	9.75e-04	2.56e-03	-0.05	-1.26e-04	4.90e-05	0.0
664	2	1.94e-03	4.21e-03	-0.08	-2.07e-04	9.89e-05	0.0
664	17	3.58e-03	3.02e-03	-0.06	-1.28e-04	5.89e-05	0.0
664	27	4.67e-04	5.28e-03	-0.06	-1.44e-04	6.80e-05	0.0
664	49	4.98e-03	3.27e-03	-0.06	-1.28e-04	5.74e-05	0.0
664	59	2.97e-05	6.87e-03	-0.06	-1.54e-04	7.19e-05	0.0
664	70	1.46e-03	3.15e-03	-0.06	-1.54e-04	7.41e-05	0.0
664	72	1.26e-03	2.70e-03	-0.06	-1.33e-04	6.40e-05	0.0
665	2	2.15e-03	-4.84e-03	-0.09	2.37e-04	1.11e-04	0.0
665	10	3.78e-03	-3.39e-03	-0.06	1.46e-04	6.89e-05	0.0
665	24	5.71e-04	-5.76e-03	-0.06	1.66e-04	7.49e-05	0.0
665	42	5.21e-03	-3.64e-03	-0.06	1.47e-04	6.89e-05	0.0
665	56	1.16e-04	-7.41e-03	-0.07	1.78e-04	7.85e-05	0.0
665	70	1.61e-03	-3.61e-03	-0.07	1.77e-04	8.28e-05	0.0
665	72	1.40e-03	-3.09e-03	-0.06	1.52e-04	7.16e-05	0.0
666	2	1.84e-03	-4.73e-03	-0.08	2.32e-04	9.35e-05	0.0
666	10	3.56e-03	-3.32e-03	-0.06	1.43e-04	5.79e-05	0.0
666	24	3.92e-04	-5.66e-03	-0.06	1.61e-04	6.22e-05	0.0
666	42	4.99e-03	-3.56e-03	-0.06	1.43e-04	5.76e-05	0.0
666	56	-5.50e-05	-7.29e-03	-0.06	1.72e-04	6.44e-05	0.0
666	70	1.38e-03	-3.53e-03	-0.06	1.73e-04	7.01e-05	0.0
666	72	1.20e-03	-3.03e-03	-0.06	1.49e-04	6.07e-05	0.0
667	2	1.35e-03	-4.21e-03	-0.07	2.07e-04	6.66e-05	0.0
667	10	3.25e-03	-2.98e-03	-0.05	1.27e-04	4.15e-05	0.0
667	24	8.16e-05	-5.26e-03	-0.05	1.42e-04	4.28e-05	0.0
667	42	4.66e-03	-3.21e-03	-0.05	1.26e-04	4.13e-05	0.0
667	56	-3.70e-04	-6.84e-03	-0.05	1.51e-04	4.34e-05	0.0
667	70	1.01e-03	-3.15e-03	-0.05	1.54e-04	4.99e-05	0.0
667	72	8.81e-04	-2.70e-03	-0.05	1.33e-04	4.34e-05	0.0
668	2	9.57e-04	-3.45e-03	-0.06	1.70e-04	4.61e-05	0.0
668	10	2.98e-03	-2.51e-03	-0.04	1.04e-04	2.86e-05	0.0
668	24	-1.56e-04	-4.70e-03	-0.05	1.14e-04	2.88e-05	0.0
668	42	4.38e-03	-2.74e-03	-0.04	1.03e-04	2.84e-05	0.0
668	56	-6.04e-04	-6.21e-03	-0.05	1.20e-04	2.86e-05	0.0
668	70	7.18e-04	-2.58e-03	-0.05	1.27e-04	3.46e-05	0.0



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668	72	6.26e-04	-2.22e-03	-0.04	1.09e-04	3.01e-05	0.0
669	2	6.86e-04	-2.56e-03	-0.05	1.26e-04	3.22e-05	0.0
669	10	2.78e-03	-1.97e-03	-0.04	7.74e-05	2.01e-05	0.0
669	24	-3.08e-04	-4.08e-03	-0.04	8.40e-05	2.01e-05	0.0
669	42	4.17e-03	-2.20e-03	-0.04	7.69e-05	1.99e-05	0.0
669	56	-7.45e-04	-5.55e-03	-0.04	8.75e-05	1.99e-05	0.0
669	70	5.15e-04	-1.91e-03	-0.04	9.45e-05	2.42e-05	0.0
669	72	4.50e-04	-1.65e-03	-0.04	8.14e-05	2.11e-05	0.0
670	2	5.16e-04	-1.62e-03	-0.05	8.03e-05	2.36e-05	0.0
670	10	2.65e-03	-1.39e-03	-0.04	4.92e-05	1.47e-05	0.0
670	12	-1.94e-03	-1.55e-03	-0.04	5.19e-05	1.51e-05	0.0
670	24	-3.94e-04	-3.45e-03	-0.04	5.30e-05	1.48e-05	0.0
670	42	4.02e-03	-1.62e-03	-0.04	4.88e-05	1.46e-05	0.0
670	44	-3.28e-03	-1.88e-03	-0.04	5.32e-05	1.52e-05	0.0
670	56	-8.18e-04	-4.89e-03	-0.04	5.50e-05	1.47e-05	0.0
670	70	3.87e-04	-1.21e-03	-0.04	6.00e-05	1.77e-05	0.0
670	72	3.39e-04	-1.04e-03	-0.04	5.18e-05	1.55e-05	0.0
671	2	4.29e-04	-6.60e-04	-0.05	3.32e-05	1.92e-05	0.0
671	10	2.57e-03	-8.03e-04	-0.03	2.04e-05	1.20e-05	0.0
671	12	-2.00e-03	-9.44e-04	-0.03	2.19e-05	1.24e-05	0.0
671	24	-4.27e-04	-2.82e-03	-0.03	2.25e-05	1.22e-05	0.0
671	42	3.92e-03	-1.04e-03	-0.03	2.03e-05	1.18e-05	0.0
671	44	-3.34e-03	-1.26e-03	-0.04	2.26e-05	1.25e-05	0.0
671	56	-8.39e-04	-4.25e-03	-0.03	2.36e-05	1.21e-05	0.0
671	70	3.22e-04	-4.93e-04	-0.03	2.48e-05	1.44e-05	0.0
671	72	2.82e-04	-4.25e-04	-0.03	2.14e-05	1.26e-05	0.0
672	2	4.14e-04	3.05e-04	-0.05	-1.42e-05	1.85e-05	0.0
672	17	2.55e-03	5.85e-04	-0.03	-8.81e-06	1.15e-05	0.0
672	19	-2.02e-03	7.21e-04	-0.03	-9.82e-06	1.19e-05	0.0
672	27	-4.29e-04	2.60e-03	-0.03	-1.04e-05	1.17e-05	0.0
672	49	3.90e-03	8.19e-04	-0.03	-8.83e-06	1.14e-05	0.0
672	51	-3.36e-03	1.04e-03	-0.03	-1.04e-05	1.20e-05	0.0
672	59	-8.37e-04	4.02e-03	-0.03	-1.14e-05	1.17e-05	0.0
672	70	3.10e-04	2.28e-04	-0.03	-1.06e-05	1.39e-05	0.0
672	72	2.72e-04	1.96e-04	-0.03	-9.13e-06	1.21e-05	0.0
673	2	4.69e-04	1.27e-03	-0.05	-6.14e-05	2.12e-05	0.0
673	17	2.61e-03	1.17e-03	-0.04	-3.76e-05	1.32e-05	0.0
673	19	-1.98e-03	1.33e-03	-0.04	-3.99e-05	1.36e-05	0.0
673	27	-4.16e-04	3.21e-03	-0.04	-4.07e-05	1.33e-05	0.0
673	49	3.98e-03	1.41e-03	-0.04	-3.74e-05	1.31e-05	0.0
673	51	-3.32e-03	1.65e-03	-0.04	-4.10e-05	1.37e-05	0.0
673	59	-8.37e-04	4.65e-03	-0.04	-4.22e-05	1.32e-05	0.0
673	70	3.52e-04	9.47e-04	-0.04	-4.59e-05	1.59e-05	0.0
673	72	3.08e-04	8.16e-04	-0.04	-3.96e-05	1.39e-05	0.0
674	2	6.00e-04	2.22e-03	-0.05	-1.08e-04	2.79e-05	0.0
674	17	2.72e-03	1.76e-03	-0.04	-6.61e-05	1.74e-05	0.0
674	19	-1.89e-03	1.93e-03	-0.04	-6.98e-05	1.77e-05	0.0
674	27	-3.55e-04	3.84e-03	-0.04	-7.16e-05	1.73e-05	0.0
674	49	4.10e-03	1.99e-03	-0.04	-6.57e-05	1.72e-05	0.0
674	51	-3.23e-03	2.27e-03	-0.04	-7.15e-05	1.78e-05	0.0
674	59	-7.89e-04	5.30e-03	-0.04	-7.44e-05	1.71e-05	0.0
674	70	4.50e-04	1.66e-03	-0.04	-8.08e-05	2.09e-05	0.0
674	72	3.94e-04	1.43e-03	-0.04	-6.97e-05	1.83e-05	0.0
675	2	8.23e-04	3.14e-03	-0.06	-1.53e-04	3.93e-05	0.0
675	17	2.89e-03	2.32e-03	-0.04	-9.36e-05	2.44e-05	0.0
675	27	-2.36e-04	4.47e-03	-0.04	-1.03e-04	2.44e-05	0.0
675	49	4.29e-03	2.55e-03	-0.04	-9.31e-05	2.42e-05	0.0
675	59	-6.82e-04	5.97e-03	-0.04	-1.07e-04	2.42e-05	0.0
675	70	6.17e-04	2.34e-03	-0.04	-1.14e-04	2.95e-05	0.0
675	72	5.39e-04	2.02e-03	-0.04	-9.85e-05	2.57e-05	0.0
676	2	1.16e-03	3.96e-03	-0.07	-1.93e-04	5.69e-05	0.0
676	17	3.12e-03	2.83e-03	-0.05	-1.18e-04	3.51e-05	0.0
676	27	-4.11e-05	5.07e-03	-0.05	-1.32e-04	3.63e-05	0.0
676	49	4.53e-03	3.06e-03	-0.05	-1.18e-04	3.47e-05	0.0
676	59	-4.95e-04	6.62e-03	-0.05	-1.39e-04	3.66e-05	0.0
676	70	8.67e-04	2.96e-03	-0.05	-1.44e-04	4.27e-05	0.0
676	72	7.56e-04	2.54e-03	-0.05	-1.24e-04	3.72e-05	0.0
677	2	1.61e-03	4.59e-03	-0.08	-2.24e-04	8.16e-05	0.0
677	17	3.41e-03	3.23e-03	-0.05	-1.38e-04	5.05e-05	0.0
677	27	2.44e-04	5.55e-03	-0.06	-1.55e-04	5.35e-05	0.0
677	49	4.83e-03	3.48e-03	-0.05	-1.38e-04	5.02e-05	0.0
677	59	-2.06e-04	7.15e-03	-0.06	-1.65e-04	5.50e-05	0.0
677	70	1.20e-03	3.43e-03	-0.06	-1.67e-04	6.12e-05	0.0
677	72	1.05e-03	2.94e-03	-0.06	-1.43e-04	5.31e-05	0.0
678	2	2.15e-03	4.83e-03	-0.09	-2.35e-04	1.10e-04	0.0
678	17	3.77e-03	3.40e-03	-0.06	-1.46e-04	6.86e-05	0.0



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678	27	5.68e-04	5.75e-03	-0.06	-1.65e-04	7.46e-05	0.0
678	49	5.21e-03	3.65e-03	-0.06	-1.46e-04	6.87e-05	0.0
678	59	1.14e-04	7.40e-03	-0.07	-1.77e-04	7.82e-05	0.0
678	70	1.61e-03	3.61e-03	-0.07	-1.76e-04	8.25e-05	0.0
678	72	1.39e-03	3.09e-03	-0.06	-1.51e-04	7.13e-05	0.0
679	2	1.83e-03	-5.83e-03	-0.09	2.80e-04	9.42e-05	0.0
679	10	3.65e-03	-4.01e-03	-0.06	1.74e-04	6.19e-05	0.0
679	24	3.58e-04	-6.50e-03	-0.07	1.97e-04	6.32e-05	0.0
679	42	5.12e-03	-4.27e-03	-0.06	1.75e-04	6.36e-05	0.0
679	56	-1.09e-04	-8.24e-03	-0.07	2.12e-04	6.58e-05	0.0
679	70	1.37e-03	-4.35e-03	-0.07	2.09e-04	7.06e-05	0.0
679	72	1.19e-03	-3.72e-03	-0.07	1.79e-04	6.13e-05	0.0
680	2	1.34e-03	-5.85e-03	-0.09	2.78e-04	7.25e-05	0.0
680	10	3.35e-03	-3.98e-03	-0.06	1.71e-04	4.91e-05	0.0
680	24	4.28e-05	-6.49e-03	-0.06	1.95e-04	4.65e-05	0.0
680	42	4.83e-03	-4.22e-03	-0.06	1.71e-04	5.10e-05	0.0
680	56	-4.36e-04	-8.20e-03	-0.06	2.09e-04	4.70e-05	0.0
680	70	1.01e-03	-4.37e-03	-0.07	2.07e-04	5.44e-05	0.0
680	72	8.85e-04	-3.74e-03	-0.06	1.78e-04	4.75e-05	0.0
681	2	1.09e-03	-4.74e-03	-0.07	2.31e-04	5.39e-05	0.0
681	10	3.15e-03	-3.30e-03	-0.05	1.42e-04	3.65e-05	0.0
681	24	-1.03e-04	-5.63e-03	-0.05	1.58e-04	3.39e-05	0.0
681	42	4.61e-03	-3.53e-03	-0.05	1.42e-04	3.80e-05	0.0
681	56	-5.70e-04	-7.22e-03	-0.05	1.67e-04	3.39e-05	0.0
681	70	8.16e-04	-3.54e-03	-0.06	1.73e-04	4.04e-05	0.0
681	72	7.14e-04	-3.05e-03	-0.05	1.48e-04	3.53e-05	0.0
682	2	7.70e-04	-3.79e-03	-0.06	1.86e-04	3.68e-05	0.0
682	10	2.90e-03	-2.72e-03	-0.05	1.14e-04	2.46e-05	0.0
682	24	-2.80e-04	-4.93e-03	-0.05	1.24e-04	2.32e-05	0.0
682	42	4.33e-03	-2.94e-03	-0.05	1.14e-04	2.53e-05	0.0
682	56	-7.33e-04	-6.46e-03	-0.05	1.30e-04	2.31e-05	0.0
682	70	5.78e-04	-2.83e-03	-0.05	1.39e-04	2.76e-05	0.0
682	72	5.07e-04	-2.44e-03	-0.05	1.20e-04	2.42e-05	0.0
683	2	5.54e-04	-2.78e-03	-0.06	1.36e-04	2.57e-05	0.0
683	10	2.73e-03	-2.09e-03	-0.04	8.39e-05	1.71e-05	0.0
683	24	-3.93e-04	-4.23e-03	-0.04	9.03e-05	1.59e-05	0.0
683	32	-2.03e-04	-3.33e-03	-0.04	8.96e-05	1.59e-05	0.0
683	42	4.13e-03	-2.32e-03	-0.04	8.36e-05	1.75e-05	0.0
683	56	-8.32e-04	-5.71e-03	-0.04	9.38e-05	1.56e-05	0.0
683	64	-5.30e-04	-4.28e-03	-0.04	9.26e-05	1.56e-05	0.0
683	70	4.16e-04	-2.08e-03	-0.04	1.02e-04	1.93e-05	0.0
683	72	3.65e-04	-1.79e-03	-0.04	8.80e-05	1.69e-05	0.0
684	2	4.22e-04	-1.74e-03	-0.05	8.61e-05	1.90e-05	0.0
684	10	2.61e-03	-1.46e-03	-0.04	5.29e-05	1.25e-05	0.0
684	12	-2.01e-03	-1.63e-03	-0.04	5.54e-05	1.16e-05	0.0
684	24	-4.54e-04	-3.54e-03	-0.04	5.66e-05	1.18e-05	0.0
684	42	3.99e-03	-1.68e-03	-0.04	5.27e-05	1.28e-05	0.0
684	44	-3.36e-03	-1.96e-03	-0.04	5.67e-05	1.13e-05	0.0
684	56	-8.80e-04	-4.99e-03	-0.04	5.85e-05	1.17e-05	0.0
684	70	3.17e-04	-1.30e-03	-0.04	6.43e-05	1.43e-05	0.0
684	72	2.79e-04	-1.12e-03	-0.04	5.55e-05	1.25e-05	0.0
685	2	3.55e-04	-7.09e-04	-0.05	3.55e-05	1.56e-05	0.0
685	10	2.53e-03	-8.21e-04	-0.04	2.19e-05	1.02e-05	0.0
685	12	-2.06e-03	-9.77e-04	-0.04	2.32e-05	9.70e-06	0.0
685	24	-4.74e-04	-2.87e-03	-0.04	2.38e-05	9.84e-06	0.0
685	42	3.90e-03	-1.05e-03	-0.04	2.19e-05	1.04e-05	0.0
685	44	-3.41e-03	-1.29e-03	-0.04	2.40e-05	9.53e-06	0.0
685	56	-8.88e-04	-4.31e-03	-0.04	2.49e-05	9.76e-06	0.0
685	70	2.67e-04	-5.30e-04	-0.04	2.65e-05	1.17e-05	0.0
685	72	2.35e-04	-4.57e-04	-0.04	2.29e-05	1.03e-05	0.0
686	2	3.44e-04	3.24e-04	-0.05	-1.50e-05	1.50e-05	0.0
686	17	2.52e-03	5.84e-04	-0.03	-9.40e-06	9.85e-06	0.0
686	19	-2.07e-03	7.36e-04	-0.04	-1.03e-05	9.36e-06	0.0
686	27	-4.74e-04	2.63e-03	-0.04	-1.09e-05	9.50e-06	0.0
686	49	3.88e-03	8.09e-04	-0.03	-9.45e-06	9.99e-06	0.0
686	51	-3.42e-03	1.05e-03	-0.04	-1.09e-05	9.21e-06	0.0
686	59	-8.83e-04	4.06e-03	-0.04	-1.18e-05	9.44e-06	0.0
686	70	2.58e-04	2.42e-04	-0.04	-1.12e-05	1.13e-05	0.0
686	72	2.27e-04	2.09e-04	-0.04	-9.71e-06	9.95e-06	0.0
687	2	3.87e-04	1.36e-03	-0.05	-6.56e-05	1.72e-05	0.0
687	17	2.58e-03	1.22e-03	-0.04	-4.03e-05	1.13e-05	0.0
687	19	-2.04e-03	1.39e-03	-0.04	-4.24e-05	1.05e-05	0.0
687	27	-4.68e-04	3.29e-03	-0.04	-4.32e-05	1.07e-05	0.0
687	49	3.95e-03	1.44e-03	-0.04	-4.02e-05	1.15e-05	0.0
687	51	-3.39e-03	1.71e-03	-0.04	-4.34e-05	1.03e-05	0.0
687	59	-8.90e-04	4.73e-03	-0.04	-4.47e-05	1.06e-05	0.0



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687	70	2.91e-04	1.01e-03	-0.04	-4.90e-05	1.29e-05	0.0
687	72	2.56e-04	8.75e-04	-0.04	-4.23e-05	1.13e-05	0.0
688	2	4.89e-04	2.39e-03	-0.05	-1.16e-04	2.23e-05	0.0
688	17	2.67e-03	1.86e-03	-0.04	-7.14e-05	1.48e-05	0.0
688	19	-1.98e-03	2.04e-03	-0.04	-7.47e-05	1.35e-05	0.0
688	27	-4.26e-04	3.97e-03	-0.04	-7.65e-05	1.38e-05	0.0
688	49	4.07e-03	2.08e-03	-0.04	-7.11e-05	1.52e-05	0.0
688	51	-3.33e-03	2.38e-03	-0.04	-7.63e-05	1.30e-05	0.0
688	59	-8.61e-04	5.44e-03	-0.04	-7.93e-05	1.35e-05	0.0
688	70	3.67e-04	1.79e-03	-0.04	-8.68e-05	1.67e-05	0.0
688	72	3.23e-04	1.54e-03	-0.04	-7.49e-05	1.47e-05	0.0
689	2	6.62e-04	3.42e-03	-0.06	-1.66e-04	3.12e-05	0.0
689	17	2.82e-03	2.49e-03	-0.04	-1.02e-04	2.09e-05	0.0
689	27	-3.40e-04	4.67e-03	-0.04	-1.11e-04	1.91e-05	0.0
689	49	4.24e-03	2.71e-03	-0.04	-1.02e-04	2.16e-05	0.0
689	59	-7.89e-04	6.18e-03	-0.04	-1.15e-04	1.87e-05	0.0
689	70	4.97e-04	2.56e-03	-0.05	-1.24e-04	2.34e-05	0.0
689	72	4.36e-04	2.20e-03	-0.04	-1.07e-04	2.05e-05	0.0
690	2	9.11e-04	4.42e-03	-0.07	-2.14e-04	4.49e-05	0.0
690	17	3.03e-03	3.11e-03	-0.05	-1.32e-04	3.02e-05	0.0
690	27	-2.07e-04	5.38e-03	-0.05	-1.45e-04	2.83e-05	0.0
690	49	4.47e-03	3.33e-03	-0.05	-1.31e-04	3.12e-05	0.0
690	59	-6.71e-04	6.95e-03	-0.05	-1.52e-04	2.81e-05	0.0
690	70	6.84e-04	3.30e-03	-0.05	-1.60e-04	3.37e-05	0.0
690	72	6.00e-04	2.84e-03	-0.05	-1.38e-04	2.95e-05	0.0
691	2	1.02e-03	5.58e-03	-0.08	-2.65e-04	5.75e-05	0.0
691	17	3.15e-03	3.82e-03	-0.06	-1.63e-04	3.92e-05	0.0
691	27	-1.73e-04	6.26e-03	-0.06	-1.84e-04	3.62e-05	0.0
691	49	4.62e-03	4.05e-03	-0.06	-1.63e-04	4.08e-05	0.0
691	59	-6.60e-04	7.93e-03	-0.06	-1.96e-04	3.59e-05	0.0
691	70	7.65e-04	4.17e-03	-0.06	-1.98e-04	4.31e-05	0.0
691	72	6.76e-04	3.57e-03	-0.06	-1.70e-04	3.79e-05	0.0
692	2	1.83e-03	5.83e-03	-0.09	-2.79e-04	9.37e-05	0.0
692	17	3.64e-03	4.03e-03	-0.06	-1.74e-04	6.15e-05	0.0
692	27	3.58e-04	6.50e-03	-0.07	-1.96e-04	6.30e-05	0.0
692	49	5.10e-03	4.30e-03	-0.06	-1.75e-04	6.32e-05	0.0
692	59	-1.08e-04	8.23e-03	-0.07	-2.11e-04	6.57e-05	0.0
692	70	1.37e-03	4.35e-03	-0.07	-2.08e-04	7.02e-05	0.0
692	72	1.19e-03	3.72e-03	-0.07	-1.78e-04	6.09e-05	0.0
693	2	-2.20e-04	5.73e-03	-0.08	-2.75e-04	-6.03e-06	0.0
693	20	-2.73e-03	3.35e-03	-0.06	-1.68e-04	-7.95e-06	0.0
693	25	4.44e-04	6.28e-03	-0.06	-1.88e-04	-5.81e-06	0.0
693	27	-1.05e-03	6.44e-03	-0.06	-1.88e-04	-8.30e-06	0.0
693	52	-4.26e-03	3.23e-03	-0.06	-1.67e-04	-1.01e-05	0.0
693	57	7.91e-04	7.89e-03	-0.06	-1.98e-04	-6.65e-06	0.0
693	59	-1.59e-03	8.15e-03	-0.06	-1.99e-04	-1.06e-05	0.0
693	70	-1.65e-04	4.29e-03	-0.06	-2.06e-04	-4.61e-06	0.0
693	72	-1.48e-04	3.69e-03	-0.06	-1.78e-04	-4.43e-06	0.0
694	2	4.86e-04	-5.92e-03	-0.09	2.94e-04	2.12e-05	0.0
694	10	3.00e-03	-4.06e-03	-0.06	1.84e-04	2.44e-05	0.0
694	24	-5.36e-04	-6.49e-03	-0.06	2.05e-04	1.21e-05	0.0
694	42	4.59e-03	-4.31e-03	-0.06	1.86e-04	3.05e-05	0.0
694	56	-1.04e-03	-8.18e-03	-0.07	2.19e-04	1.11e-05	0.0
694	70	3.67e-04	-4.42e-03	-0.07	2.19e-04	1.60e-05	0.0
694	72	3.30e-04	-3.79e-03	-0.06	1.88e-04	1.44e-05	0.0
695	2	3.74e-04	-5.07e-03	-0.08	2.48e-04	1.65e-05	0.0
695	10	2.74e-03	-3.53e-03	-0.05	1.55e-04	1.47e-05	0.0
695	24	-5.50e-04	-5.85e-03	-0.06	1.68e-04	1.05e-05	0.0
695	42	4.22e-03	-3.77e-03	-0.05	1.56e-04	1.70e-05	0.0
695	56	-1.02e-03	-7.45e-03	-0.06	1.77e-04	1.04e-05	0.0
695	70	2.82e-04	-3.79e-03	-0.06	1.85e-04	1.24e-05	0.0
695	72	2.53e-04	-3.26e-03	-0.05	1.59e-04	1.11e-05	0.0
696	2	3.03e-04	-4.01e-03	-0.06	1.96e-04	1.33e-05	0.0
696	10	2.64e-03	-2.86e-03	-0.05	1.22e-04	1.13e-05	0.0
696	24	-5.71e-04	-5.09e-03	-0.05	1.31e-04	8.52e-06	0.0
696	42	4.08e-03	-3.09e-03	-0.05	1.23e-04	1.28e-05	0.0
696	56	-1.03e-03	-6.63e-03	-0.05	1.37e-04	8.42e-06	0.0
696	70	2.29e-04	-3.00e-03	-0.05	1.47e-04	1.00e-05	0.0
696	72	2.05e-04	-2.58e-03	-0.05	1.27e-04	8.96e-06	0.0
697	2	2.50e-04	-2.92e-03	-0.06	1.43e-04	1.06e-05	0.0
697	10	2.55e-03	-2.18e-03	-0.04	8.90e-05	8.43e-06	0.0
697	24	-5.81e-04	-4.34e-03	-0.04	9.45e-05	6.91e-06	0.0
697	32	-3.94e-04	-3.40e-03	-0.04	9.38e-05	6.85e-06	0.0
697	42	3.96e-03	-2.40e-03	-0.04	8.91e-05	9.28e-06	0.0
697	56	-1.02e-03	-5.83e-03	-0.04	9.79e-05	6.87e-06	0.0
697	64	-7.24e-04	-4.34e-03	-0.04	9.67e-05	6.77e-06	0.0



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697	70	1.88e-04	-2.18e-03	-0.04	1.07e-04	8.01e-06	0.0
697	72	1.69e-04	-1.88e-03	-0.04	9.25e-05	7.19e-06	0.0
698	2	2.13e-04	-1.83e-03	-0.05	9.00e-05	8.76e-06	0.0
698	10	2.49e-03	-1.50e-03	-0.04	5.58e-05	6.61e-06	0.0
698	12	-2.15e-03	-1.68e-03	-0.04	5.76e-05	4.98e-06	0.0
698	24	-5.83e-04	-3.61e-03	-0.04	5.90e-05	5.69e-06	0.0
698	42	3.87e-03	-1.72e-03	-0.04	5.59e-05	7.12e-06	0.0
698	44	-3.51e-03	-2.01e-03	-0.04	5.86e-05	4.53e-06	0.0
698	56	-1.01e-03	-5.07e-03	-0.04	6.09e-05	5.65e-06	0.0
698	70	1.61e-04	-1.37e-03	-0.04	6.73e-05	6.60e-06	0.0
698	72	1.44e-04	-1.18e-03	-0.04	5.81e-05	5.92e-06	0.0
699	2	1.93e-04	-7.42e-04	-0.05	3.70e-05	7.73e-06	0.0
699	10	2.44e-03	-8.28e-04	-0.04	2.31e-05	5.63e-06	0.0
699	12	-2.17e-03	-1.00e-03	-0.04	2.41e-05	4.56e-06	0.0
699	24	-5.76e-04	-2.91e-03	-0.04	2.48e-05	4.98e-06	0.0
699	42	3.81e-03	-1.04e-03	-0.04	2.31e-05	5.95e-06	0.0
699	44	-3.52e-03	-1.32e-03	-0.04	2.47e-05	4.26e-06	0.0
699	56	-9.90e-04	-4.36e-03	-0.04	2.58e-05	4.92e-06	0.0
699	70	1.46e-04	-5.55e-04	-0.04	2.77e-05	5.82e-06	0.0
699	72	1.30e-04	-4.79e-04	-0.04	2.39e-05	5.23e-06	0.0
700	2	1.91e-04	3.36e-04	-0.05	-1.57e-05	7.58e-06	0.0
700	17	2.43e-03	5.76e-04	-0.04	-9.95e-06	5.48e-06	0.0
700	19	-2.17e-03	7.47e-04	-0.04	-1.06e-05	4.50e-06	0.0
700	27	-5.71e-04	2.65e-03	-0.04	-1.13e-05	4.87e-06	0.0
700	49	3.79e-03	7.93e-04	-0.04	-1.01e-05	5.77e-06	0.0
700	51	-3.53e-03	1.06e-03	-0.04	-1.12e-05	4.21e-06	0.0
700	59	-9.81e-04	4.10e-03	-0.04	-1.22e-05	4.80e-06	0.0
700	70	1.44e-04	2.52e-04	-0.04	-1.17e-05	5.71e-06	0.0
700	72	1.29e-04	2.17e-04	-0.04	-1.01e-05	5.13e-06	0.0
701	2	2.06e-04	1.42e-03	-0.05	-6.85e-05	8.31e-06	0.0
701	17	2.47e-03	1.24e-03	-0.04	-4.25e-05	6.20e-06	0.0
701	19	-2.16e-03	1.43e-03	-0.04	-4.39e-05	4.79e-06	0.0
701	27	-5.81e-04	3.34e-03	-0.04	-4.50e-05	5.39e-06	0.0
701	49	3.85e-03	1.46e-03	-0.04	-4.25e-05	6.64e-06	0.0
701	51	-3.52e-03	1.75e-03	-0.04	-4.48e-05	4.39e-06	0.0
701	59	-1.00e-03	4.80e-03	-0.04	-4.64e-05	5.35e-06	0.0
701	70	1.55e-04	1.06e-03	-0.04	-5.12e-05	6.27e-06	0.0
701	72	1.39e-04	9.15e-04	-0.04	-4.42e-05	5.62e-06	0.0
702	2	2.39e-04	2.51e-03	-0.05	-1.22e-04	9.93e-06	0.0
702	17	2.53e-03	1.92e-03	-0.04	-7.55e-05	7.75e-06	0.0
702	27	-5.80e-04	4.06e-03	-0.04	-7.99e-05	6.46e-06	0.0
702	35	-4.21e-04	3.13e-03	-0.04	-7.95e-05	6.40e-06	0.0
702	49	3.93e-03	2.14e-03	-0.04	-7.56e-05	8.48e-06	0.0
702	59	-1.02e-03	5.54e-03	-0.04	-8.26e-05	6.42e-06	0.0
702	67	-7.62e-04	4.06e-03	-0.04	-8.19e-05	6.33e-06	0.0
702	70	1.80e-04	1.87e-03	-0.04	-9.09e-05	7.48e-06	0.0
702	72	1.61e-04	1.62e-03	-0.04	-7.85e-05	6.71e-06	0.0
703	2	2.90e-04	3.61e-03	-0.06	-1.75e-04	1.24e-05	0.0
703	17	2.61e-03	2.61e-03	-0.04	-1.09e-04	1.03e-05	0.0
703	27	-5.71e-04	4.80e-03	-0.04	-1.16e-04	8.00e-06	0.0
703	49	4.04e-03	2.83e-03	-0.04	-1.09e-04	1.15e-05	0.0
703	59	-1.02e-03	6.32e-03	-0.05	-1.21e-04	7.94e-06	0.0
703	70	2.18e-04	2.69e-03	-0.05	-1.31e-04	9.32e-06	0.0
703	72	1.95e-04	2.32e-03	-0.04	-1.13e-04	8.35e-06	0.0
704	2	3.61e-04	4.69e-03	-0.07	-2.28e-04	1.55e-05	0.0
704	17	2.72e-03	3.29e-03	-0.05	-1.42e-04	1.37e-05	0.0
704	27	-5.50e-04	5.57e-03	-0.05	-1.53e-04	9.92e-06	0.0
704	49	4.18e-03	3.52e-03	-0.05	-1.43e-04	1.57e-05	0.0
704	59	-1.01e-03	7.15e-03	-0.05	-1.61e-04	9.77e-06	0.0
704	70	2.72e-04	3.51e-03	-0.05	-1.70e-04	1.17e-05	0.0
704	72	2.43e-04	3.02e-03	-0.05	-1.47e-04	1.05e-05	0.0
705	2	4.93e-04	5.63e-03	-0.08	-2.76e-04	2.06e-05	0.0
705	17	2.93e-03	3.87e-03	-0.06	-1.72e-04	2.08e-05	0.0
705	27	-5.07e-04	6.24e-03	-0.06	-1.89e-04	1.26e-05	0.0
705	49	4.47e-03	4.11e-03	-0.06	-1.74e-04	2.51e-05	0.0
705	59	-9.97e-04	7.88e-03	-0.06	-2.01e-04	1.21e-05	0.0
705	70	3.72e-04	4.20e-03	-0.06	-2.06e-04	1.55e-05	0.0
705	72	3.32e-04	3.61e-03	-0.06	-1.77e-04	1.39e-05	0.0
706	2	3.66e-04	5.87e-03	-0.10	-2.85e-04	1.69e-05	0.0
706	17	2.79e-03	3.87e-03	-0.07	-1.81e-04	1.25e-05	0.0
706	21	7.43e-04	6.61e-03	-0.07	-1.98e-04	1.18e-05	0.0
706	25	8.03e-04	6.45e-03	-0.07	-1.98e-04	1.21e-05	0.0
706	49	4.32e-03	4.02e-03	-0.07	-1.85e-04	1.43e-05	0.0
706	53	1.06e-03	8.38e-03	-0.07	-2.10e-04	1.32e-05	0.0
706	57	1.15e-03	8.12e-03	-0.07	-2.10e-04	1.37e-05	0.0
706	70	2.72e-04	4.39e-03	-0.07	-2.13e-04	1.25e-05	0.0



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706	72	2.21e-04	3.77e-03	-0.07	-1.83e-04	1.00e-05	0.0
707	2	-7.23e-04	-5.79e-03	-0.09	2.87e-04	-3.76e-05	0.0
707	11	-3.21e-03	-3.36e-03	-0.06	1.72e-04	-3.36e-05	0.0
707	22	1.76e-04	-6.31e-03	-0.06	1.97e-04	-2.36e-05	0.0
707	26	1.05e-04	-6.48e-03	-0.06	1.97e-04	-2.46e-05	0.0
707	43	-4.83e-03	-3.23e-03	-0.06	1.68e-04	-3.92e-05	0.0
707	54	5.54e-04	-7.93e-03	-0.07	2.09e-04	-2.33e-05	0.0
707	58	4.41e-04	-8.20e-03	-0.07	2.09e-04	-2.48e-05	0.0
707	70	-5.44e-04	-4.33e-03	-0.07	2.14e-04	-2.83e-05	0.0
707	72	-4.81e-04	-3.73e-03	-0.06	1.85e-04	-2.50e-05	0.0
708	2	-5.20e-04	-5.01e-03	-0.08	2.45e-04	-2.86e-05	0.0
708	11	-2.88e-03	-2.91e-03	-0.05	1.48e-04	-2.16e-05	0.0
708	22	2.78e-04	-5.74e-03	-0.05	1.65e-04	-1.89e-05	0.0
708	26	2.31e-04	-5.91e-03	-0.05	1.65e-04	-1.92e-05	0.0
708	43	-4.39e-03	-2.79e-03	-0.05	1.45e-04	-2.34e-05	0.0
708	54	6.41e-04	-7.29e-03	-0.06	1.73e-04	-1.91e-05	0.0
708	58	5.65e-04	-7.56e-03	-0.06	1.73e-04	-1.97e-05	0.0
708	70	-3.91e-04	-3.75e-03	-0.06	1.83e-04	-2.15e-05	0.0
708	72	-3.47e-04	-3.24e-03	-0.05	1.58e-04	-1.91e-05	0.0
709	2	-3.99e-04	-4.00e-03	-0.06	1.95e-04	-2.26e-05	0.0
709	11	-2.74e-03	-2.30e-03	-0.05	1.18e-04	-1.66e-05	0.0
709	22	3.68e-04	-5.03e-03	-0.05	1.31e-04	-1.50e-05	0.0
709	26	3.31e-04	-5.20e-03	-0.05	1.30e-04	-1.52e-05	0.0
709	43	-4.20e-03	-2.19e-03	-0.05	1.16e-04	-1.77e-05	0.0
709	54	7.37e-04	-6.53e-03	-0.05	1.36e-04	-1.51e-05	0.0
709	58	6.79e-04	-6.80e-03	-0.05	1.35e-04	-1.55e-05	0.0
709	70	-3.00e-04	-2.99e-03	-0.05	1.46e-04	-1.71e-05	0.0
709	72	-2.67e-04	-2.59e-03	-0.05	1.27e-04	-1.52e-05	0.0
710	2	-3.05e-04	-2.93e-03	-0.06	1.43e-04	-1.80e-05	0.0
710	11	-2.62e-03	-1.65e-03	-0.04	8.71e-05	-1.27e-05	0.0
710	22	4.40e-04	-4.31e-03	-0.04	9.50e-05	-1.20e-05	0.0
710	26	4.15e-04	-4.47e-03	-0.04	9.49e-05	-1.21e-05	0.0
710	43	-4.05e-03	-1.55e-03	-0.04	8.56e-05	-1.32e-05	0.0
710	54	8.18e-04	-5.77e-03	-0.04	9.82e-05	-1.21e-05	0.0
710	58	7.78e-04	-6.04e-03	-0.04	9.80e-05	-1.23e-05	0.0
710	70	-2.30e-04	-2.19e-03	-0.04	1.07e-04	-1.35e-05	0.0
710	72	-2.06e-04	-1.90e-03	-0.04	9.32e-05	-1.22e-05	0.0
711	2	-2.39e-04	-1.84e-03	-0.05	9.05e-05	-1.47e-05	0.0
711	11	-2.53e-03	-9.92e-04	-0.04	5.48e-05	-1.01e-05	0.0
711	26	4.85e-04	-3.75e-03	-0.04	5.96e-05	-9.88e-06	0.0
711	28	-8.92e-04	-3.58e-03	-0.04	5.92e-05	-1.00e-05	0.0
711	43	-3.93e-03	-8.99e-04	-0.04	5.38e-05	-1.03e-05	0.0
711	58	8.64e-04	-5.29e-03	-0.04	6.14e-05	-9.97e-06	0.0
711	60	-1.32e-03	-5.01e-03	-0.04	6.08e-05	-1.02e-05	0.0
711	70	-1.80e-04	-1.38e-03	-0.04	6.77e-05	-1.11e-05	0.0
711	72	-1.62e-04	-1.20e-03	-0.04	5.88e-05	-9.99e-06	0.0
712	2	-2.01e-04	-7.58e-04	-0.05	3.73e-05	-1.28e-05	0.0
712	11	-2.47e-03	-3.25e-04	-0.04	2.23e-05	-8.67e-06	0.0
712	16	-2.44e-03	-9.39e-04	-0.04	2.36e-05	-8.65e-06	0.0
712	26	5.38e-04	-3.05e-03	-0.04	2.51e-05	-8.63e-06	0.0
712	43	-3.85e-03	-2.38e-04	-0.04	2.16e-05	-8.73e-06	0.0
712	48	-3.81e-03	-1.21e-03	-0.04	2.38e-05	-8.69e-06	0.0
712	58	9.34e-04	-4.57e-03	-0.04	2.62e-05	-8.66e-06	0.0
712	70	-1.52e-04	-5.67e-04	-0.04	2.79e-05	-9.71e-06	0.0
712	72	-1.38e-04	-4.92e-04	-0.04	2.42e-05	-8.80e-06	0.0
713	2	-1.94e-04	3.26e-04	-0.05	-1.58e-05	-1.25e-05	0.0
713	7	-2.44e-03	6.68e-04	-0.04	-1.01e-05	-8.44e-06	0.0
713	20	-2.45e-03	5.57e-05	-0.04	-9.03e-06	-8.45e-06	0.0
713	21	5.54e-04	2.78e-03	-0.04	-1.15e-05	-8.42e-06	0.0
713	39	-3.80e-03	9.43e-04	-0.04	-1.02e-05	-8.47e-06	0.0
713	52	-3.82e-03	-3.01e-05	-0.04	-8.52e-06	-8.49e-06	0.0
713	53	9.57e-04	4.29e-03	-0.04	-1.25e-05	-8.44e-06	0.0
713	70	-1.47e-04	2.44e-04	-0.04	-1.18e-05	-9.49e-06	0.0
713	72	-1.33e-04	2.12e-04	-0.04	-1.03e-05	-8.61e-06	0.0
714	2	-2.18e-04	1.41e-03	-0.05	-6.89e-05	-1.38e-05	0.0
714	20	-2.51e-03	7.24e-04	-0.04	-4.17e-05	-9.42e-06	0.0
714	21	5.09e-04	3.47e-03	-0.04	-4.55e-05	-9.30e-06	0.0
714	23	-8.68e-04	3.30e-03	-0.04	-4.53e-05	-9.38e-06	0.0
714	52	-3.90e-03	6.32e-04	-0.04	-4.08e-05	-9.56e-06	0.0
714	53	8.94e-04	5.00e-03	-0.04	-4.69e-05	-9.37e-06	0.0
714	55	-1.29e-03	4.72e-03	-0.04	-4.65e-05	-9.50e-06	0.0
714	70	-1.64e-04	1.06e-03	-0.04	-5.16e-05	-1.04e-05	0.0
714	72	-1.49e-04	9.16e-04	-0.04	-4.48e-05	-9.42e-06	0.0
715	2	-2.71e-04	2.50e-03	-0.05	-1.22e-04	-1.65e-05	0.0
715	20	-2.58e-03	1.39e-03	-0.04	-7.41e-05	-1.16e-05	0.0
715	21	4.47e-04	4.19e-03	-0.04	-8.05e-05	-1.11e-05	0.0



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715	23	-9.26e-04	4.01e-03	-0.04	-7.99e-05	-1.14e-05	0.0
715	52	-4.00e-03	1.29e-03	-0.04	-7.28e-05	-1.20e-05	0.0
715	53	8.15e-04	5.74e-03	-0.04	-8.29e-05	-1.13e-05	0.0
715	55	-1.37e-03	5.45e-03	-0.04	-8.21e-05	-1.17e-05	0.0
715	70	-2.04e-04	1.87e-03	-0.04	-9.13e-05	-1.25e-05	0.0
715	72	-1.83e-04	1.62e-03	-0.04	-7.92e-05	-1.12e-05	0.0
716	2	-3.52e-04	3.58e-03	-0.06	-1.75e-04	-2.07e-05	0.0
716	20	-2.69e-03	2.04e-03	-0.04	-1.06e-04	-1.50e-05	0.0
716	21	3.69e-04	4.91e-03	-0.04	-1.16e-04	-1.39e-05	0.0
716	25	4.03e-04	4.74e-03	-0.04	-1.16e-04	-1.37e-05	0.0
716	52	-4.14e-03	1.94e-03	-0.04	-1.04e-04	-1.59e-05	0.0
716	53	7.23e-04	6.50e-03	-0.05	-1.20e-04	-1.42e-05	0.0
716	57	7.77e-04	6.23e-03	-0.05	-1.20e-04	-1.39e-05	0.0
716	70	-2.65e-04	2.68e-03	-0.05	-1.31e-04	-1.56e-05	0.0
716	72	-2.37e-04	2.32e-03	-0.04	-1.13e-04	-1.39e-05	0.0
717	2	-4.64e-04	4.63e-03	-0.07	-2.26e-04	-2.62e-05	0.0
717	20	-2.83e-03	2.68e-03	-0.05	-1.36e-04	-1.97e-05	0.0
717	21	2.75e-04	5.64e-03	-0.05	-1.51e-04	-1.76e-05	0.0
717	25	3.21e-04	5.47e-03	-0.05	-1.52e-04	-1.73e-05	0.0
717	52	-4.32e-03	2.56e-03	-0.05	-1.34e-04	-2.13e-05	0.0
717	53	6.15e-04	7.27e-03	-0.05	-1.58e-04	-1.79e-05	0.0
717	57	6.87e-04	7.00e-03	-0.05	-1.58e-04	-1.75e-05	0.0
717	70	-3.49e-04	3.46e-03	-0.05	-1.69e-04	-1.98e-05	0.0
717	72	-3.10e-04	2.99e-03	-0.05	-1.46e-04	-1.76e-05	0.0
718	2	-6.54e-04	5.50e-03	-0.08	-2.71e-04	-3.48e-05	0.0
718	20	-3.09e-03	3.20e-03	-0.06	-1.63e-04	-2.88e-05	0.0
718	21	1.47e-04	6.26e-03	-0.06	-1.84e-04	-2.31e-05	0.0
718	25	2.10e-04	6.09e-03	-0.06	-1.84e-04	-2.25e-05	0.0
718	52	-4.66e-03	3.07e-03	-0.06	-1.60e-04	-3.25e-05	0.0
718	53	4.81e-04	7.94e-03	-0.06	-1.93e-04	-2.36e-05	0.0
718	57	5.83e-04	7.67e-03	-0.06	-1.94e-04	-2.25e-05	0.0
718	70	-4.92e-04	4.11e-03	-0.06	-2.03e-04	-2.62e-05	0.0
718	72	-4.35e-04	3.55e-03	-0.06	-1.75e-04	-2.32e-05	0.0
719	2	-6.39e-04	-6.14e-03	-0.10	2.95e-04	-3.64e-05	0.0
719	11	-2.94e-03	-3.29e-03	-0.07	1.76e-04	-2.62e-05	0.0
719	24	-1.23e-03	-6.78e-03	-0.07	2.09e-04	-2.49e-05	0.0
719	43	-4.45e-03	-3.03e-03	-0.07	1.73e-04	-2.90e-05	0.0
719	56	-1.74e-03	-8.57e-03	-0.07	2.26e-04	-2.69e-05	0.0
719	70	-4.75e-04	-4.59e-03	-0.07	2.21e-04	-2.71e-05	0.0
719	72	-3.96e-04	-3.91e-03	-0.07	1.89e-04	-2.27e-05	0.0
720	2	-6.27e-05	-6.24e-03	-0.09	2.97e-04	-1.43e-05	0.0
720	11	-2.61e-03	-3.35e-03	-0.06	1.76e-04	-1.44e-05	0.0
720	24	-8.59e-04	-6.77e-03	-0.06	2.07e-04	-8.52e-06	0.0
720	26	5.87e-04	-6.77e-03	-0.06	2.08e-04	-5.64e-06	0.0
720	43	-4.13e-03	-3.07e-03	-0.06	1.72e-04	-1.80e-05	0.0
720	56	-1.35e-03	-8.50e-03	-0.07	2.21e-04	-8.56e-06	0.0
720	58	9.52e-04	-8.51e-03	-0.07	2.22e-04	-3.99e-06	0.0
720	70	-4.60e-05	-4.66e-03	-0.07	2.22e-04	-1.06e-05	0.0
720	72	-3.60e-05	-3.99e-03	-0.06	1.90e-04	-8.88e-06	0.0
721	2	-1.39e-04	-5.01e-03	-0.08	2.44e-04	-1.03e-05	0.0
721	11	-2.57e-03	-2.68e-03	-0.05	1.48e-04	-9.32e-06	0.0
721	24	-8.69e-04	-5.82e-03	-0.06	1.66e-04	-5.79e-06	0.0
721	43	-4.04e-03	-2.44e-03	-0.05	1.47e-04	-1.14e-05	0.0
721	56	-1.34e-03	-7.43e-03	-0.06	1.75e-04	-5.74e-06	0.0
721	70	-1.02e-04	-3.75e-03	-0.06	1.83e-04	-7.64e-06	0.0
721	72	-8.02e-05	-3.22e-03	-0.05	1.57e-04	-6.22e-06	0.0
722	2	-3.00e-05	-3.99e-03	-0.06	1.95e-04	-3.51e-06	0.0
722	11	-2.44e-03	-2.08e-03	-0.05	1.19e-04	-3.95e-06	0.0
722	24	-7.75e-04	-5.09e-03	-0.05	1.31e-04	-1.37e-06	0.0
722	43	-3.88e-03	-1.85e-03	-0.05	1.19e-04	-5.26e-06	0.0
722	56	-1.23e-03	-6.63e-03	-0.05	1.36e-04	-1.16e-06	0.0
722	70	-2.10e-05	-2.98e-03	-0.05	1.46e-04	-2.56e-06	0.0
722	72	-1.09e-05	-2.57e-03	-0.05	1.26e-04	-1.89e-06	0.0
723	1	3.82e-05	-2.35e-03	-0.05	1.16e-04	0.0	0.0
723	2	3.33e-05	-2.92e-03	-0.06	1.43e-04	0.0	0.0
723	10	2.42e-03	-2.17e-03	-0.04	8.96e-05	1.63e-06	0.0
723	24	-7.15e-04	-4.35e-03	-0.04	9.46e-05	0.0	0.0
723	42	3.83e-03	-2.39e-03	-0.04	9.00e-05	2.41e-06	0.0
723	56	-1.15e-03	-5.85e-03	-0.04	9.80e-05	0.0	0.0
723	64	-8.57e-04	-4.32e-03	-0.04	9.67e-05	0.0	0.0
723	69	2.95e-05	-1.81e-03	-0.04	8.88e-05	0.0	0.0
723	70	2.62e-05	-2.18e-03	-0.04	1.07e-04	0.0	0.0
723	71	2.95e-05	-1.81e-03	-0.04	8.88e-05	0.0	0.0
723	72	2.89e-05	-1.88e-03	-0.04	9.25e-05	0.0	0.0
724	2	6.34e-05	-1.83e-03	-0.05	9.02e-05	1.40e-06	0.0
724	10	2.40e-03	-1.49e-03	-0.04	5.63e-05	1.98e-06	0.0



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724	24	-6.76e-04	-3.63e-03	-0.04	5.92e-05	1.29e-06	0.0
724	32	-5.58e-04	-2.68e-03	-0.04	5.91e-05	1.18e-06	0.0
724	42	3.78e-03	-1.71e-03	-0.04	5.65e-05	2.45e-06	0.0
724	56	-1.10e-03	-5.10e-03	-0.04	6.11e-05	1.35e-06	0.0
724	64	-9.14e-04	-3.59e-03	-0.04	6.10e-05	1.18e-06	0.0
724	70	4.86e-05	-1.37e-03	-0.04	6.74e-05	1.09e-06	0.0
724	72	4.74e-05	-1.18e-03	-0.04	5.83e-05	1.17e-06	0.0
725	2	7.62e-05	-7.44e-04	-0.05	3.71e-05	1.99e-06	0.0
725	10	2.37e-03	-8.20e-04	-0.04	2.33e-05	2.04e-06	0.0
725	12	-2.24e-03	-1.00e-03	-0.04	2.41e-05	1.06e-06	0.0
725	24	-6.49e-04	-2.93e-03	-0.04	2.49e-05	1.49e-06	0.0
725	42	3.74e-03	-1.03e-03	-0.04	2.34e-05	2.34e-06	0.0
725	44	-3.59e-03	-1.32e-03	-0.04	2.46e-05	0.0	0.0
725	56	-1.06e-03	-4.38e-03	-0.04	2.60e-05	1.47e-06	0.0
725	70	5.81e-05	-5.56e-04	-0.04	2.78e-05	1.53e-06	0.0
725	72	5.50e-05	-4.81e-04	-0.04	2.40e-05	1.53e-06	0.0
726	2	7.96e-05	3.37e-04	-0.05	-1.58e-05	2.13e-06	0.0
726	17	2.37e-03	5.67e-04	-0.04	-1.01e-05	2.07e-06	0.0
726	19	-2.24e-03	7.50e-04	-0.04	-1.06e-05	1.16e-06	0.0
726	27	-6.40e-04	2.67e-03	-0.04	-1.14e-05	1.54e-06	0.0
726	49	3.73e-03	7.78e-04	-0.04	-1.03e-05	2.35e-06	0.0
726	51	-3.60e-03	1.07e-03	-0.04	-1.11e-05	0.0	0.0
726	59	-1.05e-03	4.12e-03	-0.04	-1.24e-05	1.50e-06	0.0
726	70	6.06e-05	2.52e-04	-0.04	-1.18e-05	1.63e-06	0.0
726	72	5.71e-05	2.17e-04	-0.04	-1.02e-05	1.61e-06	0.0
727	2	7.53e-05	1.42e-03	-0.05	-6.88e-05	1.89e-06	0.0
727	17	2.39e-03	1.24e-03	-0.04	-4.30e-05	2.16e-06	0.0
727	19	-2.24e-03	1.43e-03	-0.04	-4.39e-05	0.0	0.0
727	27	-6.61e-04	3.36e-03	-0.04	-4.52e-05	1.56e-06	0.0
727	49	3.77e-03	1.45e-03	-0.04	-4.31e-05	2.57e-06	0.0
727	51	-3.60e-03	1.75e-03	-0.04	-4.46e-05	0.0	0.0
727	59	-1.08e-03	4.82e-03	-0.04	-4.67e-05	1.61e-06	0.0
727	70	5.74e-05	1.06e-03	-0.04	-5.14e-05	1.45e-06	0.0
727	72	5.47e-05	9.16e-04	-0.04	-4.44e-05	1.47e-06	0.0
728	2	5.91e-05	2.51e-03	-0.05	-1.22e-04	1.00e-06	0.0
728	17	2.42e-03	1.92e-03	-0.04	-7.62e-05	2.10e-06	0.0
728	27	-6.91e-04	4.07e-03	-0.04	-8.02e-05	1.19e-06	0.0
728	35	-5.32e-04	3.12e-03	-0.04	-7.97e-05	1.01e-06	0.0
728	49	3.82e-03	2.13e-03	-0.04	-7.65e-05	2.77e-06	0.0
728	59	-1.13e-03	5.56e-03	-0.04	-8.29e-05	1.33e-06	0.0
728	67	-8.72e-04	4.04e-03	-0.04	-8.21e-05	1.04e-06	0.0
728	70	4.55e-05	1.87e-03	-0.04	-9.11e-05	0.0	0.0
728	72	4.50e-05	1.62e-03	-0.04	-7.87e-05	0.0	0.0
729	1	2.95e-05	2.89e-03	-0.06	-1.41e-04	0.0	0.0
729	2	2.16e-05	3.59e-03	-0.06	-1.75e-04	-1.18e-06	0.0
729	17	2.44e-03	2.60e-03	-0.04	-1.09e-04	1.58e-06	0.0
729	27	-7.35e-04	4.81e-03	-0.05	-1.16e-04	0.0	0.0
729	49	3.87e-03	2.82e-03	-0.04	-1.10e-04	2.70e-06	0.0
729	59	-1.18e-03	6.33e-03	-0.05	-1.21e-04	0.0	0.0
729	69	2.28e-05	2.22e-03	-0.04	-1.08e-04	0.0	0.0
729	70	1.76e-05	2.68e-03	-0.05	-1.31e-04	0.0	0.0
729	71	2.28e-05	2.22e-03	-0.04	-1.08e-04	0.0	0.0
729	72	2.18e-05	2.31e-03	-0.04	-1.13e-04	0.0	0.0
730	2	-3.46e-05	4.65e-03	-0.07	-2.26e-04	-5.51e-06	0.0
730	20	-2.48e-03	2.47e-03	-0.05	-1.37e-04	-5.88e-06	0.0
730	27	-7.94e-04	5.55e-03	-0.05	-1.52e-04	-2.60e-06	0.0
730	52	-3.94e-03	2.24e-03	-0.05	-1.36e-04	-7.61e-06	0.0
730	59	-1.26e-03	7.13e-03	-0.05	-1.59e-04	-2.40e-06	0.0
730	70	-2.44e-05	3.47e-03	-0.05	-1.69e-04	-4.06e-06	0.0
730	72	-1.40e-05	2.99e-03	-0.05	-1.45e-04	-3.17e-06	0.0
731	2	1.78e-04	5.87e-03	-0.08	-2.80e-04	-3.77e-06	0.0
731	17	2.67e-03	4.05e-03	-0.06	-1.78e-04	3.38e-06	0.0
731	21	7.30e-04	6.46e-03	-0.06	-1.94e-04	1.37e-06	0.0
731	27	-7.08e-04	6.45e-03	-0.06	-1.93e-04	-1.13e-06	0.0
731	49	4.18e-03	4.31e-03	-0.06	-1.81e-04	6.56e-06	0.0
731	53	1.09e-03	8.14e-03	-0.06	-2.06e-04	3.37e-06	0.0
731	59	-1.19e-03	8.14e-03	-0.06	-2.05e-04	0.0	0.0
731	70	1.34e-04	4.38e-03	-0.06	-2.09e-04	-2.77e-06	0.0
731	72	1.18e-04	3.76e-03	-0.06	-1.80e-04	-2.17e-06	0.0
732	2	-6.50e-04	6.13e-03	-0.10	-2.94e-04	-3.66e-05	0.0
732	20	-2.93e-03	3.30e-03	-0.07	-1.75e-04	-2.60e-05	0.0
732	27	-1.24e-03	6.77e-03	-0.07	-2.08e-04	-2.52e-05	0.0
732	52	-4.43e-03	3.04e-03	-0.07	-1.73e-04	-2.86e-05	0.0
732	59	-1.75e-03	8.55e-03	-0.07	-2.25e-04	-2.73e-05	0.0
732	70	-4.84e-04	4.57e-03	-0.07	-2.20e-04	-2.72e-05	0.0
732	72	-4.03e-04	3.90e-03	-0.07	-1.88e-04	-2.28e-05	0.0



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733	2	-1.20e-03	-5.35e-03	-0.10	2.62e-04	-6.55e-05	0.0
733	11	-3.20e-03	-2.86e-03	-0.06	1.55e-04	-3.89e-05	0.0
733	24	-1.57e-03	-6.18e-03	-0.07	1.83e-04	-4.27e-05	0.0
733	43	-4.67e-03	-2.61e-03	-0.06	1.52e-04	-3.87e-05	0.0
733	56	-2.07e-03	-7.88e-03	-0.07	1.96e-04	-4.47e-05	0.0
733	70	-8.98e-04	-4.00e-03	-0.07	1.95e-04	-4.89e-05	0.0
733	72	-7.56e-04	-3.43e-03	-0.07	1.68e-04	-4.13e-05	0.0
734	2	-9.51e-04	-5.24e-03	-0.09	2.56e-04	-5.25e-05	0.0
734	11	-3.03e-03	-2.80e-03	-0.06	1.53e-04	-3.13e-05	0.0
734	24	-1.38e-03	-6.07e-03	-0.06	1.78e-04	-3.31e-05	0.0
734	43	-4.48e-03	-2.55e-03	-0.06	1.50e-04	-3.12e-05	0.0
734	56	-1.86e-03	-7.75e-03	-0.06	1.89e-04	-3.40e-05	0.0
734	70	-7.09e-04	-3.91e-03	-0.07	1.91e-04	-3.91e-05	0.0
734	72	-5.98e-04	-3.36e-03	-0.06	1.65e-04	-3.31e-05	0.0
735	2	-5.89e-04	-4.66e-03	-0.07	2.29e-04	-3.22e-05	0.0
735	11	-2.80e-03	-2.46e-03	-0.05	1.37e-04	-2.03e-05	0.0
735	24	-1.13e-03	-5.62e-03	-0.05	1.56e-04	-1.86e-05	0.0
735	26	2.58e-04	-5.62e-03	-0.05	1.57e-04	-1.82e-05	0.0
735	43	-4.24e-03	-2.22e-03	-0.05	1.35e-04	-2.09e-05	0.0
735	56	-1.60e-03	-7.24e-03	-0.06	1.65e-04	-1.82e-05	0.0
735	58	6.17e-04	-7.24e-03	-0.06	1.65e-04	-1.76e-05	0.0
735	70	-4.39e-04	-3.48e-03	-0.06	1.71e-04	-2.40e-05	0.0
735	72	-3.68e-04	-2.99e-03	-0.05	1.47e-04	-2.03e-05	0.0
736	2	-3.28e-04	-3.80e-03	-0.06	1.87e-04	-1.84e-05	0.0
736	11	-2.60e-03	-1.97e-03	-0.05	1.13e-04	-1.18e-05	0.0
736	24	-9.55e-04	-4.99e-03	-0.05	1.26e-04	-1.01e-05	0.0
736	43	-4.03e-03	-1.75e-03	-0.05	1.12e-04	-1.23e-05	0.0
736	56	-1.40e-03	-6.55e-03	-0.05	1.31e-04	-9.63e-06	0.0
736	70	-2.44e-04	-2.84e-03	-0.05	1.40e-04	-1.37e-05	0.0
736	72	-2.02e-04	-2.45e-03	-0.05	1.21e-04	-1.15e-05	0.0
737	2	-1.72e-04	-2.82e-03	-0.06	1.39e-04	-1.03e-05	0.0
737	11	-2.47e-03	-1.38e-03	-0.04	8.52e-05	-6.63e-06	0.0
737	24	-8.39e-04	-4.31e-03	-0.04	9.22e-05	-5.44e-06	0.0
737	43	-3.88e-03	-1.17e-03	-0.04	8.45e-05	-7.00e-06	0.0
737	56	-1.28e-03	-5.82e-03	-0.04	9.57e-05	-5.11e-06	0.0
737	70	-1.27e-04	-2.11e-03	-0.04	1.04e-04	-7.67e-06	0.0
737	72	-1.03e-04	-1.82e-03	-0.04	8.98e-05	-6.33e-06	0.0
738	2	-8.45e-05	-1.78e-03	-0.05	8.81e-05	-5.94e-06	0.0
738	11	-2.39e-03	-7.55e-04	-0.04	5.42e-05	-3.76e-06	0.0
738	24	-7.66e-04	-3.61e-03	-0.04	5.82e-05	-3.04e-06	0.0
738	32	-6.47e-04	-2.64e-03	-0.04	5.79e-05	-3.20e-06	0.0
738	43	-3.77e-03	-5.48e-04	-0.04	5.38e-05	-4.00e-06	0.0
738	56	-1.19e-03	-5.10e-03	-0.04	6.02e-05	-2.86e-06	0.0
738	64	-1.00e-03	-3.55e-03	-0.04	5.98e-05	-3.11e-06	0.0
738	70	-6.21e-05	-1.33e-03	-0.04	6.59e-05	-4.40e-06	0.0
738	72	-4.77e-05	-1.15e-03	-0.04	5.70e-05	-3.56e-06	0.0
739	2	-4.31e-05	-7.28e-04	-0.05	3.63e-05	-3.90e-06	0.0
739	11	-2.33e-03	-1.06e-04	-0.04	2.22e-05	-2.39e-06	0.0
739	12	-2.31e-03	-9.99e-04	-0.04	2.35e-05	-2.33e-06	0.0
739	24	-7.22e-04	-2.93e-03	-0.04	2.47e-05	-2.05e-06	0.0
739	43	-3.70e-03	9.84e-05	-0.04	2.20e-05	-2.54e-06	0.0
739	44	-3.66e-03	-1.32e-03	-0.04	2.41e-05	-2.46e-06	0.0
739	56	-1.14e-03	-4.40e-03	-0.04	2.59e-05	-2.01e-06	0.0
739	70	-3.11e-05	-5.44e-04	-0.04	2.72e-05	-2.88e-06	0.0
739	72	-2.16e-05	-4.70e-04	-0.04	2.35e-05	-2.27e-06	0.0
740	2	-3.46e-05	3.29e-04	-0.05	-1.56e-05	-3.53e-06	0.0
740	19	-2.31e-03	7.51e-04	-0.04	-1.05e-05	-2.10e-06	0.0
740	20	-2.32e-03	-1.41e-04	-0.04	-9.27e-06	-2.14e-06	0.0
740	27	-7.10e-04	2.68e-03	-0.04	-1.15e-05	-1.86e-06	0.0
740	51	-3.67e-03	1.07e-03	-0.04	-1.10e-05	-2.22e-06	0.0
740	52	-3.68e-03	-3.44e-04	-0.04	-9.03e-06	-2.28e-06	0.0
740	59	-1.12e-03	4.14e-03	-0.04	-1.26e-05	-1.84e-06	0.0
740	70	-2.48e-05	2.46e-04	-0.04	-1.16e-05	-2.60e-06	0.0
740	72	-1.62e-05	2.13e-04	-0.04	-1.01e-05	-2.04e-06	0.0
741	2	-5.69e-05	1.38e-03	-0.05	-6.74e-05	-6.74e-06	0.0
741	20	-2.36e-03	5.13e-04	-0.04	-4.14e-05	-2.96e-06	0.0
741	27	-7.42e-04	3.36e-03	-0.04	-4.46e-05	-2.33e-06	0.0
741	35	-6.51e-04	2.39e-03	-0.04	-4.46e-05	-2.46e-06	0.0
741	52	-3.74e-03	3.08e-04	-0.04	-4.11e-05	-3.17e-06	0.0
741	59	-1.16e-03	4.83e-03	-0.04	-4.62e-05	-2.17e-06	0.0
741	67	-1.02e-03	3.29e-03	-0.04	-4.62e-05	-2.39e-06	0.0
741	70	-4.15e-05	1.04e-03	-0.04	-5.04e-05	-3.47e-06	0.0
741	72	-3.03e-05	8.95e-04	-0.04	-4.36e-05	-2.77e-06	0.0
742	2	-1.17e-04	2.43e-03	-0.05	-1.19e-04	-7.85e-06	0.0
742	20	-2.43e-03	1.15e-03	-0.04	-7.29e-05	-5.06e-06	0.0
742	27	-7.99e-04	4.04e-03	-0.04	-7.86e-05	-3.97e-06	0.0



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742	52	-3.83e-03	9.43e-04	-0.04	-7.24e-05	-5.38e-06	0.0
742	59	-1.23e-03	5.54e-03	-0.04	-8.14e-05	-3.66e-06	0.0
742	70	-8.66e-05	1.82e-03	-0.04	-8.88e-05	-5.82e-06	0.0
742	72	-6.85e-05	1.57e-03	-0.04	-7.68e-05	-4.77e-06	0.0
743	2	-2.34e-04	3.44e-03	-0.06	-1.68e-04	-1.41e-05	0.0
743	20	-2.54e-03	1.76e-03	-0.04	-1.03e-04	-9.09e-06	0.0
743	27	-8.90e-04	4.73e-03	-0.04	-1.13e-04	-7.47e-06	0.0
743	52	-3.95e-03	1.54e-03	-0.04	-1.02e-04	-9.57e-06	0.0
743	59	-1.34e-03	6.27e-03	-0.05	-1.17e-04	-6.99e-06	0.0
743	70	-1.74e-04	2.57e-03	-0.05	-1.26e-04	-1.05e-05	0.0
743	72	-1.43e-04	2.22e-03	-0.04	-1.09e-04	-8.73e-06	0.0
744	2	-4.39e-04	4.35e-03	-0.07	-2.13e-04	-2.54e-05	0.0
744	20	-2.69e-03	2.30e-03	-0.05	-1.28e-04	-1.62e-05	0.0
744	27	-1.03e-03	5.39e-03	-0.05	-1.44e-04	-1.42e-05	0.0
744	52	-4.13e-03	2.06e-03	-0.05	-1.26e-04	-1.67e-05	0.0
744	59	-1.49e-03	6.98e-03	-0.05	-1.52e-04	-1.37e-05	0.0
744	70	-3.27e-04	3.25e-03	-0.05	-1.59e-04	-1.89e-05	0.0
744	72	-2.73e-04	2.80e-03	-0.05	-1.37e-04	-1.59e-05	0.0
745	2	-7.61e-04	5.06e-03	-0.08	-2.47e-04	-4.35e-05	0.0
745	20	-2.91e-03	2.70e-03	-0.06	-1.48e-04	-2.69e-05	0.0
745	27	-1.25e-03	5.92e-03	-0.06	-1.70e-04	-2.56e-05	0.0
745	52	-4.36e-03	2.46e-03	-0.06	-1.45e-04	-2.73e-05	0.0
745	59	-1.72e-03	7.58e-03	-0.06	-1.80e-04	-2.53e-05	0.0
745	70	-5.68e-04	3.78e-03	-0.06	-1.84e-04	-3.24e-05	0.0
745	72	-4.78e-04	3.25e-03	-0.06	-1.59e-04	-2.74e-05	0.0
746	2	-1.20e-03	5.32e-03	-0.09	-2.59e-04	-6.53e-05	0.0
746	20	-3.20e-03	2.85e-03	-0.06	-1.56e-04	-3.88e-05	0.0
746	27	-1.57e-03	6.16e-03	-0.07	-1.82e-04	-4.26e-05	0.0
746	52	-4.66e-03	2.61e-03	-0.06	-1.54e-04	-3.85e-05	0.0
746	59	-2.07e-03	7.86e-03	-0.07	-1.95e-04	-4.46e-05	0.0
746	70	-8.95e-04	3.98e-03	-0.07	-1.94e-04	-4.87e-05	0.0
746	72	-7.54e-04	3.41e-03	-0.07	-1.67e-04	-4.11e-05	0.0
747	2	-1.18e-03	-4.87e-03	-0.09	2.40e-04	-6.29e-05	0.0
747	11	-3.12e-03	-2.60e-03	-0.06	1.45e-04	-3.37e-05	0.0
747	24	-1.53e-03	-5.85e-03	-0.07	1.68e-04	-4.01e-05	0.0
747	43	-4.54e-03	-2.37e-03	-0.06	1.43e-04	-3.14e-05	0.0
747	56	-2.02e-03	-7.52e-03	-0.07	1.79e-04	-4.16e-05	0.0
747	70	-8.77e-04	-3.64e-03	-0.07	1.79e-04	-4.69e-05	0.0
747	72	-7.35e-04	-3.13e-03	-0.06	1.54e-04	-3.94e-05	0.0
748	2	-9.76e-04	-4.74e-03	-0.08	2.34e-04	-5.24e-05	0.0
748	11	-2.99e-03	-2.53e-03	-0.06	1.42e-04	-2.83e-05	0.0
748	24	-1.38e-03	-5.74e-03	-0.06	1.63e-04	-3.25e-05	0.0
748	43	-4.42e-03	-2.30e-03	-0.06	1.40e-04	-2.66e-05	0.0
748	56	-1.86e-03	-7.40e-03	-0.06	1.73e-04	-3.32e-05	0.0
748	70	-7.27e-04	-3.55e-03	-0.06	1.75e-04	-3.91e-05	0.0
748	72	-6.10e-04	-3.05e-03	-0.06	1.51e-04	-3.28e-05	0.0
749	2	-6.59e-04	-4.29e-03	-0.07	2.12e-04	-3.56e-05	0.0
749	11	-2.79e-03	-2.27e-03	-0.05	1.28e-04	-2.00e-05	0.0
749	24	-1.17e-03	-5.39e-03	-0.05	1.45e-04	-2.02e-05	0.0
749	43	-4.21e-03	-2.05e-03	-0.05	1.25e-04	-1.94e-05	0.0
749	56	-1.62e-03	-7.00e-03	-0.05	1.53e-04	-1.95e-05	0.0
749	70	-4.91e-04	-3.20e-03	-0.06	1.58e-04	-2.65e-05	0.0
749	72	-4.10e-04	-2.76e-03	-0.05	1.37e-04	-2.23e-05	0.0
750	2	-4.14e-04	-3.56e-03	-0.06	1.76e-04	-2.28e-05	0.0
750	11	-2.63e-03	-1.84e-03	-0.05	1.08e-04	-1.29e-05	0.0
750	24	-1.00e-03	-4.86e-03	-0.05	1.19e-04	-1.26e-05	0.0
750	43	-4.04e-03	-1.63e-03	-0.05	1.07e-04	-1.25e-05	0.0
750	56	-1.45e-03	-6.42e-03	-0.05	1.25e-04	-1.21e-05	0.0
750	70	-3.08e-04	-2.66e-03	-0.05	1.32e-04	-1.70e-05	0.0
750	72	-2.56e-04	-2.30e-03	-0.05	1.14e-04	-1.42e-05	0.0
751	2	-2.50e-04	-2.68e-03	-0.06	1.32e-04	-1.44e-05	0.0
751	11	-2.51e-03	-1.31e-03	-0.04	8.12e-05	-8.16e-06	0.0
751	24	-8.85e-04	-4.24e-03	-0.04	8.86e-05	-7.76e-06	0.0
751	43	-3.90e-03	-1.11e-03	-0.04	8.06e-05	-8.00e-06	0.0
751	56	-1.32e-03	-5.76e-03	-0.04	9.23e-05	-7.36e-06	0.0
751	70	-1.86e-04	-2.00e-03	-0.04	9.91e-05	-1.07e-05	0.0
751	72	-1.52e-04	-1.73e-03	-0.04	8.57e-05	-8.88e-06	0.0
752	2	-1.53e-04	-1.71e-03	-0.05	8.46e-05	-9.43e-06	0.0
752	11	-2.42e-03	-7.24e-04	-0.04	5.21e-05	-5.34e-06	0.0
752	24	-8.07e-04	-3.59e-03	-0.04	5.64e-05	-5.07e-06	0.0
752	32	-6.86e-04	-2.59e-03	-0.04	5.60e-05	-5.21e-06	0.0
752	43	-3.80e-03	-5.26e-04	-0.04	5.17e-05	-5.27e-06	0.0
752	56	-1.23e-03	-5.08e-03	-0.04	5.85e-05	-4.84e-06	0.0
752	64	-1.04e-03	-3.49e-03	-0.04	5.79e-05	-5.05e-06	0.0
752	70	-1.13e-04	-1.28e-03	-0.04	6.33e-05	-7.00e-06	0.0
752	72	-9.08e-05	-1.10e-03	-0.04	5.48e-05	-5.77e-06	0.0



753	2	-1.04e-04	-7.00e-04	-0.05	3.50e-05	-7.01e-06	0.0
753	11	-2.37e-03	-1.03e-04	-0.04	2.14e-05	-3.94e-06	0.0
753	12	-2.34e-03	-9.89e-04	-0.04	2.28e-05	-3.90e-06	0.0
753	24	-7.58e-04	-2.93e-03	-0.04	2.41e-05	-3.87e-06	0.0
753	43	-3.73e-03	9.23e-05	-0.04	2.12e-05	-3.89e-06	0.0
753	44	-3.69e-03	-1.32e-03	-0.04	2.33e-05	-3.83e-06	0.0
753	56	-1.17e-03	-4.41e-03	-0.04	2.54e-05	-3.78e-06	0.0
753	70	-7.66e-05	-5.24e-04	-0.04	2.62e-05	-5.20e-06	0.0
753	72	-6.02e-05	-4.53e-04	-0.04	2.27e-05	-4.26e-06	0.0
754	2	-9.43e-05	3.17e-04	-0.05	-1.51e-05	-6.58e-06	0.0
754	19	-2.34e-03	7.50e-04	-0.04	-1.02e-05	-3.65e-06	0.0
754	20	-2.35e-03	-1.34e-04	-0.04	-8.96e-06	-3.69e-06	0.0
754	27	-7.45e-04	2.69e-03	-0.04	-1.14e-05	-3.65e-06	0.0
754	51	-3.70e-03	1.08e-03	-0.04	-1.07e-05	-3.59e-06	0.0
754	52	-3.71e-03	-3.29e-04	-0.04	-8.70e-06	-3.64e-06	0.0
754	59	-1.15e-03	4.16e-03	-0.04	-1.26e-05	-3.58e-06	0.0
754	70	-6.94e-05	2.37e-04	-0.04	-1.13e-05	-4.88e-06	0.0
754	72	-5.42e-05	2.05e-04	-0.04	-9.79e-06	-6.59e-06	0.0
755	2	-1.22e-04	1.33e-03	-0.05	-6.50e-05	-8.06e-06	0.0
755	20	-2.40e-03	4.93e-04	-0.04	-4.00e-05	-4.54e-06	0.0
755	27	-7.81e-04	3.34e-03	-0.04	-4.35e-05	-4.29e-06	0.0
755	35	-6.88e-04	2.35e-03	-0.04	-4.33e-05	-4.41e-06	0.0
755	52	-3.77e-03	2.97e-04	-0.04	-3.97e-05	-4.49e-06	0.0
755	59	-1.20e-03	4.82e-03	-0.04	-4.52e-05	-4.08e-06	0.0
755	67	-1.05e-03	3.24e-03	-0.04	-4.50e-05	-4.28e-06	0.0
755	70	-9.00e-05	9.94e-04	-0.04	-4.86e-05	-5.98e-06	0.0
755	72	-7.15e-05	8.60e-04	-0.04	-4.21e-05	-4.91e-06	0.0
756	2	-1.94e-04	2.32e-03	-0.05	-1.14e-04	-1.18e-05	0.0
756	20	-2.47e-03	1.10e-03	-0.04	-6.99e-05	-6.68e-06	0.0
756	27	-8.44e-04	3.99e-03	-0.04	-7.58e-05	-6.27e-06	0.0
756	52	-3.86e-03	8.97e-04	-0.04	-6.93e-05	-6.56e-06	0.0
756	59	-1.28e-03	5.50e-03	-0.04	-7.88e-05	-5.90e-06	0.0
756	70	-1.43e-04	1.73e-03	-0.04	-8.51e-05	-8.78e-06	0.0
756	72	-1.17e-04	1.50e-03	-0.04	-7.36e-05	-7.27e-06	0.0
757	2	-3.24e-04	3.24e-03	-0.06	-1.59e-04	-1.87e-05	0.0
757	20	-2.57e-03	1.66e-03	-0.04	-9.75e-05	-1.06e-05	0.0
757	27	-9.40e-04	4.63e-03	-0.04	-1.07e-04	-1.02e-05	0.0
757	52	-3.97e-03	1.45e-03	-0.04	-9.66e-05	-1.03e-05	0.0
757	59	-1.38e-03	6.17e-03	-0.04	-1.12e-04	-9.64e-06	0.0
757	70	-2.41e-04	2.42e-03	-0.05	-1.19e-04	-1.39e-05	0.0
757	72	-1.99e-04	2.09e-03	-0.04	-1.03e-04	-1.16e-05	0.0
758	2	-5.33e-04	4.03e-03	-0.07	-1.99e-04	-2.98e-05	0.0
758	20	-2.71e-03	2.13e-03	-0.05	-1.21e-04	-1.68e-05	0.0
758	27	-1.08e-03	5.20e-03	-0.05	-1.36e-04	-1.68e-05	0.0
758	52	-4.12e-03	1.91e-03	-0.05	-1.20e-04	-1.62e-05	0.0
758	59	-1.54e-03	6.79e-03	-0.05	-1.43e-04	-1.62e-05	0.0
758	70	-3.97e-04	3.02e-03	-0.05	-1.48e-04	-2.22e-05	0.0
758	72	-3.31e-04	2.60e-03	-0.05	-1.28e-04	-1.87e-05	0.0
759	2	-8.26e-04	4.60e-03	-0.08	-2.26e-04	-4.53e-05	0.0
759	20	-2.90e-03	2.46e-03	-0.06	-1.37e-04	-2.46e-05	0.0
759	27	-1.28e-03	5.62e-03	-0.06	-1.56e-04	-2.53e-05	0.0
759	52	-4.32e-03	2.23e-03	-0.06	-1.35e-04	-2.32e-05	0.0
759	59	-1.74e-03	7.26e-03	-0.06	-1.66e-04	-2.43e-05	0.0
759	70	-6.15e-04	3.44e-03	-0.06	-1.69e-04	-3.38e-05	0.0
759	72	-5.15e-04	2.96e-03	-0.06	-1.46e-04	-2.84e-05	0.0
760	2	-1.16e-03	4.85e-03	-0.09	-2.38e-04	-6.26e-05	0.0
760	20	-3.11e-03	2.60e-03	-0.06	-1.44e-04	-3.36e-05	0.0
760	27	-1.52e-03	5.83e-03	-0.07	-1.66e-04	-3.99e-05	0.0
760	52	-4.53e-03	2.37e-03	-0.06	-1.42e-04	-3.15e-05	0.0
760	59	-2.01e-03	7.51e-03	-0.07	-1.78e-04	-4.14e-05	0.0
760	70	-8.67e-04	3.62e-03	-0.07	-1.78e-04	-4.67e-05	0.0
760	72	-7.27e-04	3.12e-03	-0.06	-1.53e-04	-3.92e-05	0.0
761	2	-7.59e-04	-4.55e-03	-0.09	2.25e-04	-4.12e-05	0.0
761	11	-2.83e-03	-2.45e-03	-0.06	1.37e-04	-1.87e-05	0.0
761	24	-1.24e-03	-5.63e-03	-0.06	1.57e-04	-2.51e-05	0.0
761	43	-4.23e-03	-2.24e-03	-0.06	1.35e-04	-1.57e-05	0.0
761	56	-1.71e-03	-7.29e-03	-0.07	1.68e-04	-2.59e-05	0.0
761	70	-5.64e-04	-3.40e-03	-0.07	1.68e-04	-3.06e-05	0.0
761	72	-4.62e-04	-2.93e-03	-0.06	1.45e-04	-2.53e-05	0.0
762	2	-6.46e-04	-4.43e-03	-0.08	2.20e-04	-3.52e-05	0.0
762	11	-2.76e-03	-2.39e-03	-0.06	1.34e-04	-1.62e-05	0.0
762	24	-1.16e-03	-5.54e-03	-0.06	1.53e-04	-1.76e-05	0.0
762	43	-4.17e-03	-2.18e-03	-0.06	1.32e-04	-1.37e-05	0.0
762	56	-1.63e-03	-7.19e-03	-0.06	1.63e-04	-1.60e-05	0.0
762	70	-4.79e-04	-3.31e-03	-0.06	1.64e-04	-2.62e-05	0.0
762	72	-3.93e-04	-2.86e-03	-0.06	1.42e-04	-2.16e-05	0.0



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763	2	-4.63e-04	-4.02e-03	-0.07	2.00e-04	-2.57e-05	0.0
763	11	-2.65e-03	-2.15e-03	-0.05	1.22e-04	-1.20e-05	0.0
763	24	-1.04e-03	-5.23e-03	-0.05	1.37e-04	-1.33e-05	0.0
763	43	-4.05e-03	-1.94e-03	-0.05	1.21e-04	-1.02e-05	0.0
763	56	-1.49e-03	-6.84e-03	-0.05	1.45e-04	-1.23e-05	0.0
763	70	-3.44e-04	-3.01e-03	-0.05	1.49e-04	-1.91e-05	0.0
763	72	-2.81e-04	-2.60e-03	-0.05	1.29e-04	-1.57e-05	0.0
764	2	-3.14e-04	-3.37e-03	-0.06	1.67e-04	-1.79e-05	0.0
764	11	-2.55e-03	-1.76e-03	-0.05	1.03e-04	-8.83e-06	0.0
764	24	-9.35e-04	-4.76e-03	-0.05	1.14e-04	-9.41e-06	0.0
764	43	-3.95e-03	-1.56e-03	-0.05	1.02e-04	-7.94e-06	0.0
764	56	-1.38e-03	-6.33e-03	-0.05	1.20e-04	-8.86e-06	0.0
764	70	-2.32e-04	-2.52e-03	-0.05	1.25e-04	-1.33e-05	0.0
764	72	-1.88e-04	-2.18e-03	-0.05	1.08e-04	-1.09e-05	0.0
765	2	-2.05e-04	-2.55e-03	-0.05	1.27e-04	-1.23e-05	0.0
765	11	-2.47e-03	-1.26e-03	-0.04	7.82e-05	-6.16e-06	0.0
765	24	-8.55e-04	-4.18e-03	-0.04	8.54e-05	-6.50e-06	0.0
765	43	-3.86e-03	-1.07e-03	-0.04	7.78e-05	-5.63e-06	0.0
765	56	-1.29e-03	-5.71e-03	-0.04	8.92e-05	-6.17e-06	0.0
765	70	-1.52e-04	-1.91e-03	-0.04	9.48e-05	-9.14e-06	0.0
765	72	-1.22e-04	-1.65e-03	-0.04	8.21e-05	-7.48e-06	0.0
766	2	-1.35e-04	-1.64e-03	-0.05	8.15e-05	-8.77e-06	0.0
766	11	-2.41e-03	-7.02e-04	-0.04	5.04e-05	-4.48e-06	0.0
766	24	-7.96e-04	-3.56e-03	-0.04	5.47e-05	-4.67e-06	0.0
766	43	-3.78e-03	-5.14e-04	-0.04	5.01e-05	-4.17e-06	0.0
766	56	-1.22e-03	-5.06e-03	-0.04	5.70e-05	-4.48e-06	0.0
766	70	-9.99e-05	-1.23e-03	-0.04	6.09e-05	-6.50e-06	0.0
766	72	-7.88e-05	-1.06e-03	-0.04	5.28e-05	-5.30e-06	0.0
767	2	-9.91e-05	-6.74e-04	-0.05	3.38e-05	-6.95e-06	0.0
767	11	-2.36e-03	-1.04e-04	-0.04	2.07e-05	-3.60e-06	0.0
767	12	-2.34e-03	-9.83e-04	-0.04	2.21e-05	-3.58e-06	0.0
767	24	-7.54e-04	-2.93e-03	-0.04	2.35e-05	-3.78e-06	0.0
767	43	-3.72e-03	8.19e-05	-0.04	2.05e-05	-3.39e-06	0.0
767	44	-3.69e-03	-1.31e-03	-0.04	2.27e-05	-3.36e-06	0.0
767	56	-1.17e-03	-4.41e-03	-0.04	2.50e-05	-3.69e-06	0.0
767	70	-7.28e-05	-5.04e-04	-0.04	2.53e-05	-5.15e-06	0.0
767	72	-5.65e-05	-4.37e-04	-0.04	2.19e-05	-4.19e-06	0.0
768	2	-9.16e-05	3.06e-04	-0.05	-1.46e-05	-6.63e-06	0.0
768	15	-2.35e-03	1.05e-03	-0.04	-1.00e-05	-3.41e-06	0.0
768	20	-2.35e-03	-1.26e-04	-0.04	-8.72e-06	-3.44e-06	0.0
768	27	-7.42e-04	2.70e-03	-0.04	-1.13e-05	-3.61e-06	0.0
768	51	-3.69e-03	1.08e-03	-0.04	-1.06e-05	-3.22e-06	0.0
768	52	-3.71e-03	-3.12e-04	-0.04	-8.47e-06	-3.25e-06	0.0
768	59	-1.15e-03	4.18e-03	-0.04	-1.26e-05	-3.52e-06	0.0
768	70	-6.73e-05	2.28e-04	-0.04	-1.10e-05	-4.92e-06	0.0
768	72	-5.19e-05	1.98e-04	-0.04	-9.50e-06	-3.99e-06	0.0
769	2	-1.12e-04	1.28e-03	-0.05	-6.28e-05	-7.78e-06	0.0
769	20	-2.39e-03	4.80e-04	-0.04	-3.87e-05	-3.97e-06	0.0
769	27	-7.75e-04	3.32e-03	-0.04	-4.23e-05	-4.13e-06	0.0
769	52	-3.76e-03	2.94e-04	-0.04	-3.85e-05	-3.70e-06	0.0
769	59	-1.20e-03	4.81e-03	-0.04	-4.42e-05	-3.95e-06	0.0
769	70	-8.28e-05	9.56e-04	-0.04	-4.69e-05	-5.77e-06	0.0
769	72	-6.46e-05	8.28e-04	-0.04	-4.07e-05	-4.70e-06	0.0
770	2	-1.65e-04	2.22e-03	-0.05	-1.09e-04	-1.06e-05	0.0
770	20	-2.44e-03	1.06e-03	-0.04	-6.74e-05	-5.28e-06	0.0
770	27	-8.24e-04	3.95e-03	-0.04	-7.33e-05	-5.55e-06	0.0
770	52	-3.82e-03	8.69e-04	-0.04	-6.71e-05	-4.83e-06	0.0
770	59	-1.26e-03	5.46e-03	-0.04	-7.65e-05	-5.25e-06	0.0
770	70	-1.22e-04	1.66e-03	-0.04	-8.17e-05	-7.85e-06	0.0
770	72	-9.66e-05	1.43e-03	-0.04	-7.07e-05	-6.42e-06	0.0
771	2	-2.54e-04	3.08e-03	-0.06	-1.52e-04	-1.54e-05	0.0
771	20	-2.51e-03	1.58e-03	-0.04	-9.34e-05	-7.54e-06	0.0
771	27	-8.94e-04	4.54e-03	-0.04	-1.03e-04	-8.06e-06	0.0
771	52	-3.91e-03	1.39e-03	-0.04	-9.28e-05	-6.77e-06	0.0
771	59	-1.34e-03	6.10e-03	-0.04	-1.08e-04	-7.59e-06	0.0
771	70	-1.88e-04	2.30e-03	-0.05	-1.14e-04	-1.14e-05	0.0
771	72	-1.52e-04	1.99e-03	-0.04	-9.83e-05	-9.36e-06	0.0
772	2	-3.86e-04	3.80e-03	-0.07	-1.88e-04	-2.23e-05	0.0
772	20	-2.60e-03	2.02e-03	-0.05	-1.15e-04	-1.09e-05	0.0
772	27	-9.86e-04	5.06e-03	-0.05	-1.29e-04	-1.16e-05	0.0
772	52	-4.00e-03	1.81e-03	-0.05	-1.14e-04	-9.77e-06	0.0
772	59	-1.44e-03	6.66e-03	-0.05	-1.36e-04	-1.08e-05	0.0
772	70	-2.86e-04	2.84e-03	-0.05	-1.40e-04	-1.66e-05	0.0
772	72	-2.33e-04	2.45e-03	-0.05	-1.21e-04	-1.37e-05	0.0
773	2	-5.56e-04	4.30e-03	-0.08	-2.12e-04	-3.12e-05	0.0
773	20	-2.71e-03	2.31e-03	-0.05	-1.30e-04	-1.44e-05	0.0



773	27	-1.10e-03	5.44e-03	-0.06	-1.47e-04	-1.58e-05	0.0
773	52	-4.11e-03	2.11e-03	-0.05	-1.28e-04	-1.23e-05	0.0
773	59	-1.56e-03	7.07e-03	-0.06	-1.56e-04	-1.45e-05	0.0
773	70	-4.13e-04	3.22e-03	-0.06	-1.59e-04	-2.32e-05	0.0
773	72	-3.37e-04	2.78e-03	-0.06	-1.37e-04	-1.91e-05	0.0
774	2	-7.45e-04	4.53e-03	-0.09	-2.24e-04	-4.09e-05	0.0
774	20	-2.82e-03	2.45e-03	-0.06	-1.36e-04	-1.87e-05	0.0
774	27	-1.23e-03	5.62e-03	-0.06	-1.56e-04	-2.50e-05	0.0
774	52	-4.22e-03	2.24e-03	-0.06	-1.35e-04	-1.58e-05	0.0
774	59	-1.70e-03	7.28e-03	-0.07	-1.66e-04	-2.57e-05	0.0
774	70	-5.53e-04	3.39e-03	-0.07	-1.67e-04	-3.04e-05	0.0
774	72	-4.53e-04	2.92e-03	-0.06	-1.44e-04	-2.51e-05	0.0
775	2	-1.71e-04	-4.42e-03	-0.09	2.19e-04	-1.11e-05	0.0
775	11	-2.46e-03	-2.42e-03	-0.06	1.35e-04	-1.35e-06	0.0
775	24	-8.55e-04	-5.57e-03	-0.06	1.54e-04	-1.79e-06	0.0
775	43	-3.87e-03	-2.22e-03	-0.06	1.34e-04	0.0	0.0
775	56	-1.32e-03	-7.23e-03	-0.07	1.64e-04	0.0	0.0
775	70	-1.23e-04	-3.30e-03	-0.07	1.64e-04	-8.04e-06	0.0
775	72	-8.10e-05	-2.86e-03	-0.06	1.42e-04	-5.72e-06	0.0
776	2	-1.57e-04	-4.31e-03	-0.08	2.14e-04	-1.03e-05	0.0
776	11	-2.46e-03	-2.35e-03	-0.06	1.32e-04	-1.67e-06	0.0
776	24	-8.48e-04	-5.48e-03	-0.06	1.50e-04	-2.22e-06	0.0
776	43	-3.87e-03	-2.16e-03	-0.06	1.31e-04	0.0	0.0
776	56	-1.31e-03	-7.13e-03	-0.06	1.59e-04	0.0	0.0
776	70	-1.13e-04	-3.22e-03	-0.06	1.60e-04	-7.54e-06	0.0
776	72	-7.49e-05	-2.79e-03	-0.06	1.38e-04	-5.43e-06	0.0
777	2	-1.32e-04	-3.92e-03	-0.07	1.95e-04	-9.11e-06	0.0
777	11	-2.44e-03	-2.12e-03	-0.05	1.20e-04	-1.43e-06	0.0
777	24	-8.32e-04	-5.18e-03	-0.05	1.35e-04	-2.66e-06	0.0
777	43	-3.85e-03	-1.93e-03	-0.05	1.20e-04	0.0	0.0
777	56	-1.29e-03	-6.80e-03	-0.05	1.43e-04	-1.59e-06	0.0
777	70	-9.55e-05	-2.93e-03	-0.05	1.45e-04	-6.65e-06	0.0
777	72	-6.47e-05	-2.54e-03	-0.05	1.26e-04	-4.91e-06	0.0
778	2	-1.06e-04	-3.29e-03	-0.06	1.63e-04	-7.68e-06	0.0
778	11	-2.42e-03	-1.74e-03	-0.04	1.01e-04	-1.95e-06	0.0
778	24	-8.08e-04	-4.72e-03	-0.05	1.12e-04	-2.78e-06	0.0
778	43	-3.82e-03	-1.56e-03	-0.04	1.01e-04	0.0	0.0
778	56	-1.26e-03	-6.30e-03	-0.05	1.18e-04	-2.11e-06	0.0
778	70	-7.63e-05	-2.46e-03	-0.05	1.22e-04	-5.63e-06	0.0
778	72	-5.25e-05	-2.13e-03	-0.05	1.06e-04	-4.25e-06	0.0
779	2	-7.87e-05	-2.49e-03	-0.05	1.24e-04	-6.23e-06	0.0
779	11	-2.39e-03	-1.25e-03	-0.04	7.71e-05	-2.10e-06	0.0
779	24	-7.79e-04	-4.16e-03	-0.04	8.39e-05	-3.23e-06	0.0
779	43	-3.78e-03	-1.08e-03	-0.04	7.70e-05	-1.42e-06	0.0
779	56	-1.22e-03	-5.70e-03	-0.04	8.77e-05	-3.23e-06	0.0
779	70	-5.69e-05	-1.86e-03	-0.04	9.26e-05	-4.58e-06	0.0
779	72	-3.91e-05	-1.62e-03	-0.04	8.04e-05	-3.51e-06	0.0
780	2	-5.66e-05	-1.60e-03	-0.05	7.96e-05	-5.06e-06	0.0
780	11	-2.36e-03	-7.01e-04	-0.04	4.96e-05	-2.01e-06	0.0
780	24	-7.49e-04	-3.55e-03	-0.04	5.38e-05	-2.62e-06	0.0
780	43	-3.73e-03	-5.25e-04	-0.04	4.96e-05	-1.62e-06	0.0
780	56	-1.18e-03	-5.06e-03	-0.04	5.61e-05	-2.59e-06	0.0
780	70	-4.08e-05	-1.20e-03	-0.04	5.96e-05	-3.73e-06	0.0
780	72	-2.75e-05	-1.04e-03	-0.04	5.17e-05	-2.89e-06	0.0
781	2	-4.29e-05	-6.60e-04	-0.05	3.31e-05	-4.37e-06	0.0
781	11	-2.33e-03	-1.13e-04	-0.04	2.04e-05	-1.90e-06	0.0
781	12	-2.30e-03	-9.85e-04	-0.04	2.18e-05	-1.93e-06	0.0
781	24	-7.20e-04	-2.94e-03	-0.04	2.32e-05	-2.26e-06	0.0
781	43	-3.69e-03	6.25e-05	-0.04	2.03e-05	-1.64e-06	0.0
781	44	-3.65e-03	-1.32e-03	-0.04	2.25e-05	-1.68e-06	0.0
781	56	-1.13e-03	-4.43e-03	-0.04	2.47e-05	-2.21e-06	0.0
781	70	-3.08e-05	-4.94e-04	-0.04	2.47e-05	-3.22e-06	0.0
781	72	-2.01e-05	-4.28e-04	-0.04	2.15e-05	-2.52e-06	0.0
782	2	-3.94e-05	2.98e-04	-0.05	-1.44e-05	-4.25e-06	0.0
782	15	-2.31e-03	1.07e-03	-0.04	-9.94e-06	-1.88e-06	0.0
782	20	-2.32e-03	-1.14e-04	-0.04	-8.63e-06	-1.88e-06	0.0
782	27	-7.10e-04	2.71e-03	-0.04	-1.12e-05	-2.14e-06	0.0
782	47	-3.67e-03	1.58e-03	-0.04	-1.05e-05	-1.64e-06	0.0
782	52	-3.67e-03	-2.90e-04	-0.04	-8.42e-06	-1.65e-06	0.0
782	59	-1.12e-03	4.19e-03	-0.04	-1.26e-05	-2.07e-06	0.0
782	70	-2.82e-05	2.23e-04	-0.04	-1.07e-05	-3.13e-06	0.0
782	72	-1.81e-05	1.94e-04	-0.04	-9.32e-06	-2.45e-06	0.0
783	2	-4.64e-05	1.25e-03	-0.05	-6.14e-05	-4.71e-06	0.0
783	15	-2.33e-03	1.67e-03	-0.04	-4.00e-05	-1.93e-06	0.0
783	20	-2.35e-03	4.82e-04	-0.04	-3.82e-05	-1.93e-06	0.0
783	27	-7.35e-04	3.32e-03	-0.04	-4.16e-05	-2.26e-06	0.0



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783	47	-3.70e-03	2.19e-03	-0.04	-4.09e-05	-1.59e-06	0.0
783	52	-3.72e-03	3.06e-04	-0.04	-3.81e-05	-1.59e-06	0.0
783	59	-1.16e-03	4.82e-03	-0.04	-4.36e-05	-2.12e-06	0.0
783	70	-3.33e-05	9.34e-04	-0.04	-4.59e-05	-3.47e-06	0.0
783	72	-2.17e-05	8.10e-04	-0.04	-3.99e-05	-2.70e-06	0.0
784	2	-6.30e-05	2.16e-03	-0.05	-1.07e-04	-5.71e-06	0.0
784	20	-2.38e-03	1.05e-03	-0.04	-6.65e-05	-2.03e-06	0.0
784	27	-7.64e-04	3.93e-03	-0.04	-7.20e-05	-2.51e-06	0.0
784	52	-3.76e-03	8.74e-04	-0.04	-6.64e-05	-1.46e-06	0.0
784	59	-1.20e-03	5.45e-03	-0.04	-7.52e-05	-2.22e-06	0.0
784	70	-4.53e-05	1.62e-03	-0.04	-7.98e-05	-4.20e-06	0.0
784	72	-3.02e-05	1.40e-03	-0.04	-6.93e-05	-3.24e-06	0.0
785	2	-8.64e-05	3.00e-03	-0.06	-1.48e-04	-7.09e-06	0.0
785	20	-2.41e-03	1.57e-03	-0.04	-9.21e-05	-2.00e-06	0.0
785	27	-7.92e-04	4.51e-03	-0.04	-1.01e-04	-2.73e-06	0.0
785	52	-3.80e-03	1.39e-03	-0.04	-9.19e-05	-1.02e-06	0.0
785	59	-1.24e-03	6.07e-03	-0.04	-1.06e-04	-2.19e-06	0.0
785	70	-6.23e-05	2.24e-03	-0.04	-1.11e-04	-5.20e-06	0.0
785	72	-4.19e-05	1.94e-03	-0.04	-9.61e-05	-3.96e-06	0.0
786	2	-1.12e-04	3.70e-03	-0.07	-1.83e-04	-8.55e-06	0.0
786	20	-2.43e-03	1.99e-03	-0.05	-1.13e-04	-1.65e-06	0.0
786	27	-8.17e-04	5.02e-03	-0.05	-1.26e-04	-2.74e-06	0.0
786	52	-3.83e-03	1.81e-03	-0.05	-1.13e-04	0.0	0.0
786	59	-1.27e-03	6.62e-03	-0.05	-1.33e-04	-1.84e-06	0.0
786	70	-8.05e-05	2.77e-03	-0.05	-1.37e-04	-6.25e-06	0.0
786	72	-5.37e-05	2.40e-03	-0.05	-1.18e-04	-4.66e-06	0.0
787	2	-1.35e-04	4.19e-03	-0.08	-2.07e-04	-9.79e-06	0.0
787	20	-2.44e-03	2.28e-03	-0.05	-1.28e-04	0.0	0.0
787	27	-8.35e-04	5.38e-03	-0.06	-1.44e-04	-2.40e-06	0.0
787	52	-3.85e-03	2.09e-03	-0.05	-1.27e-04	1.23e-06	0.0
787	59	-1.29e-03	7.02e-03	-0.06	-1.53e-04	-1.05e-06	0.0
787	70	-9.69e-05	3.13e-03	-0.06	-1.55e-04	-7.14e-06	0.0
787	72	-6.32e-05	2.71e-03	-0.05	-1.34e-04	-5.19e-06	0.0
788	2	-1.57e-04	4.41e-03	-0.09	-2.18e-04	-1.08e-05	0.0
788	20	-2.45e-03	2.41e-03	-0.06	-1.34e-04	-1.36e-06	0.0
788	27	-8.46e-04	5.56e-03	-0.06	-1.53e-04	-1.71e-06	0.0
788	52	-3.86e-03	2.22e-03	-0.06	-1.33e-04	0.0	0.0
788	59	-1.31e-03	7.22e-03	-0.07	-1.63e-04	0.0	0.0
788	70	-1.12e-04	3.30e-03	-0.07	-1.63e-04	-7.87e-06	0.0
788	72	-7.16e-05	2.85e-03	-0.06	-1.41e-04	-5.58e-06	0.0
789	2	4.13e-04	-4.50e-03	-0.09	2.23e-04	1.89e-05	0.0
789	10	2.72e-03	-3.10e-03	-0.06	1.39e-04	1.09e-05	0.0
789	24	-5.02e-04	-5.66e-03	-0.06	1.58e-04	1.68e-05	0.0
789	42	4.15e-03	-3.28e-03	-0.06	1.40e-04	9.43e-06	0.0
789	56	-9.70e-04	-7.35e-03	-0.07	1.69e-04	1.88e-05	0.0
789	70	3.14e-04	-3.36e-03	-0.07	1.67e-04	1.44e-05	0.0
789	72	2.96e-04	-2.91e-03	-0.06	1.44e-04	1.36e-05	0.0
790	2	3.33e-04	-4.39e-03	-0.08	2.17e-04	1.46e-05	0.0
790	10	2.66e-03	-3.03e-03	-0.06	1.36e-04	8.42e-06	0.0
790	24	-5.54e-04	-5.57e-03	-0.06	1.53e-04	1.29e-05	0.0
790	42	4.09e-03	-3.20e-03	-0.06	1.36e-04	7.15e-06	0.0
790	56	-1.02e-03	-7.24e-03	-0.06	1.63e-04	1.44e-05	0.0
790	70	2.54e-04	-3.28e-03	-0.06	1.63e-04	1.11e-05	0.0
790	72	2.41e-04	-2.84e-03	-0.06	1.41e-04	1.07e-05	0.0
791	2	2.07e-04	-3.97e-03	-0.07	1.97e-04	7.87e-06	0.0
791	10	2.56e-03	-2.76e-03	-0.05	1.23e-04	4.03e-06	0.0
791	24	-6.32e-04	-5.24e-03	-0.05	1.37e-04	7.67e-06	0.0
791	42	3.98e-03	-2.93e-03	-0.05	1.23e-04	2.84e-06	0.0
791	56	-1.10e-03	-6.87e-03	-0.05	1.45e-04	8.63e-06	0.0
791	70	1.58e-04	-2.97e-03	-0.05	1.47e-04	6.06e-06	0.0
791	72	1.54e-04	-2.58e-03	-0.05	1.28e-04	6.06e-06	0.0
792	1	1.20e-04	-2.70e-03	-0.06	1.34e-04	3.83e-06	0.0
792	2	1.19e-04	-3.31e-03	-0.06	1.64e-04	3.39e-06	0.0
792	10	2.48e-03	-2.35e-03	-0.04	1.02e-04	1.76e-06	0.0
792	24	-6.79e-04	-4.75e-03	-0.05	1.13e-04	2.40e-06	0.0
792	42	3.90e-03	-2.51e-03	-0.04	1.02e-04	1.06e-06	0.0
792	56	-1.13e-03	-6.34e-03	-0.05	1.19e-04	2.08e-06	0.0
792	69	9.26e-05	-2.07e-03	-0.04	1.03e-04	2.95e-06	0.0
792	70	9.19e-05	-2.48e-03	-0.05	1.23e-04	2.66e-06	0.0
792	71	9.26e-05	-2.07e-03	-0.04	1.03e-04	2.95e-06	0.0
792	72	9.24e-05	-2.15e-03	-0.05	1.07e-04	2.89e-06	0.0
793	1	7.40e-05	-2.04e-03	-0.05	1.01e-04	1.57e-06	0.0
793	2	7.02e-05	-2.50e-03	-0.05	1.24e-04	0.0	0.0
793	10	2.43e-03	-1.84e-03	-0.04	7.74e-05	0.0	0.0
793	24	-6.94e-04	-4.18e-03	-0.04	8.41e-05	0.0	0.0
793	42	3.82e-03	-2.01e-03	-0.04	7.72e-05	0.0	0.0



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793	56	-1.14e-03	-5.72e-03	-0.04	8.80e-05	0.0	0.0
793	69	5.71e-05	-1.56e-03	-0.04	7.76e-05	1.21e-06	0.0
793	70	5.45e-05	-1.87e-03	-0.04	9.28e-05	0.0	0.0
793	71	5.71e-05	-1.56e-03	-0.04	7.76e-05	1.21e-06	0.0
793	72	5.66e-05	-1.63e-03	-0.04	8.07e-05	1.13e-06	0.0
794	1	5.07e-05	-1.31e-03	-0.05	6.50e-05	0.0	0.0
794	2	4.69e-05	-1.60e-03	-0.05	7.95e-05	0.0	0.0
794	10	2.38e-03	-1.28e-03	-0.04	4.97e-05	0.0	0.0
794	24	-6.89e-04	-3.56e-03	-0.04	5.38e-05	0.0	0.0
794	42	3.76e-03	-1.44e-03	-0.04	4.96e-05	0.0	0.0
794	56	-1.12e-03	-5.08e-03	-0.04	5.61e-05	0.0	0.0
794	69	3.92e-05	-1.00e-03	-0.04	4.98e-05	0.0	0.0
794	70	3.66e-05	-1.20e-03	-0.04	5.95e-05	0.0	0.0
794	71	3.92e-05	-1.00e-03	-0.04	4.98e-05	0.0	0.0
794	72	3.87e-05	-1.04e-03	-0.04	5.18e-05	0.0	0.0
795	1	4.13e-05	-5.38e-04	-0.05	2.70e-05	0.0	0.0
795	2	3.80e-05	-6.59e-04	-0.05	3.30e-05	0.0	0.0
795	10	2.35e-03	-6.94e-04	-0.04	2.08e-05	0.0	0.0
795	12	-2.26e-03	-9.97e-04	-0.04	2.19e-05	0.0	0.0
795	24	-6.73e-04	-2.95e-03	-0.04	2.32e-05	0.0	0.0
795	42	3.71e-03	-8.59e-04	-0.04	2.09e-05	0.0	0.0
795	44	-3.61e-03	-1.34e-03	-0.04	2.26e-05	0.0	0.0
795	56	-1.09e-03	-4.44e-03	-0.04	2.46e-05	0.0	0.0
795	69	3.19e-05	-4.13e-04	-0.04	2.07e-05	0.0	0.0
795	70	2.98e-05	-4.93e-04	-0.04	2.47e-05	0.0	0.0
795	71	3.19e-05	-4.13e-04	-0.04	2.07e-05	0.0	0.0
795	72	3.15e-05	-4.29e-04	-0.04	2.15e-05	0.0	0.0
796	1	4.05e-05	2.42e-04	-0.05	-1.17e-05	0.0	0.0
796	2	3.77e-05	2.97e-04	-0.05	-1.43e-05	0.0	0.0
796	15	-2.27e-03	1.08e-03	-0.04	-9.97e-06	0.0	0.0
796	17	2.34e-03	4.69e-04	-0.03	-9.24e-06	0.0	0.0
796	27	-6.65e-04	2.71e-03	-0.04	-1.12e-05	0.0	0.0
796	47	-3.63e-03	1.61e-03	-0.04	-1.06e-05	0.0	0.0
796	49	3.70e-03	6.35e-04	-0.03	-9.40e-06	0.0	0.0
796	59	-1.08e-03	4.21e-03	-0.04	-1.25e-05	0.0	0.0
796	69	3.14e-05	1.86e-04	-0.03	-8.97e-06	0.0	0.0
796	70	2.94e-05	2.22e-04	-0.04	-1.07e-05	0.0	0.0
796	71	3.14e-05	1.86e-04	-0.03	-8.97e-06	0.0	0.0
796	72	3.10e-05	1.93e-04	-0.03	-9.32e-06	0.0	0.0
797	1	4.78e-05	1.02e-03	-0.05	-5.01e-05	0.0	0.0
797	2	4.47e-05	1.25e-03	-0.05	-6.13e-05	0.0	0.0
797	15	-2.28e-03	1.69e-03	-0.04	-4.01e-05	0.0	0.0
797	17	2.37e-03	1.06e-03	-0.04	-3.83e-05	0.0	0.0
797	27	-6.83e-04	3.33e-03	-0.04	-4.16e-05	0.0	0.0
797	47	-3.65e-03	2.22e-03	-0.04	-4.12e-05	0.0	0.0
797	49	3.75e-03	1.22e-03	-0.04	-3.83e-05	0.0	0.0
797	59	-1.11e-03	4.83e-03	-0.04	-4.35e-05	0.0	0.0
797	69	3.69e-05	7.80e-04	-0.04	-3.84e-05	0.0	0.0
797	70	3.49e-05	9.33e-04	-0.04	-4.58e-05	0.0	0.0
797	71	3.69e-05	7.80e-04	-0.04	-3.84e-05	0.0	0.0
797	72	3.65e-05	8.10e-04	-0.04	-3.99e-05	0.0	0.0
798	1	6.61e-05	1.77e-03	-0.05	-8.71e-05	0.0	0.0
798	2	6.30e-05	2.17e-03	-0.05	-1.07e-04	0.0	0.0
798	17	2.41e-03	1.63e-03	-0.04	-6.65e-05	0.0	0.0
798	27	-6.92e-04	3.94e-03	-0.04	-7.22e-05	0.0	0.0
798	49	3.80e-03	1.80e-03	-0.04	-6.64e-05	0.0	0.0
798	59	-1.13e-03	5.47e-03	-0.04	-7.53e-05	0.0	0.0
798	69	5.10e-05	1.35e-03	-0.04	-6.68e-05	0.0	0.0
798	70	4.89e-05	1.62e-03	-0.04	-7.98e-05	0.0	0.0
798	71	5.10e-05	1.35e-03	-0.04	-6.68e-05	0.0	0.0
798	72	5.06e-05	1.41e-03	-0.04	-6.94e-05	0.0	0.0
799	1	1.03e-04	2.46e-03	-0.06	-1.21e-04	2.72e-06	0.0
799	2	1.02e-04	3.02e-03	-0.06	-1.49e-04	2.20e-06	0.0
799	17	2.46e-03	2.16e-03	-0.04	-9.27e-05	1.10e-06	0.0
799	27	-6.85e-04	4.54e-03	-0.04	-1.02e-04	1.62e-06	0.0
799	49	3.87e-03	2.33e-03	-0.04	-9.25e-05	0.0	0.0
799	59	-1.14e-03	6.10e-03	-0.04	-1.07e-04	1.34e-06	0.0
799	69	7.94e-05	1.88e-03	-0.04	-9.31e-05	2.10e-06	0.0
799	70	7.85e-05	2.26e-03	-0.04	-1.11e-04	1.75e-06	0.0
799	71	7.94e-05	1.88e-03	-0.04	-9.31e-05	2.10e-06	0.0
799	72	7.92e-05	1.96e-03	-0.04	-9.67e-05	2.03e-06	0.0
800	2	1.75e-04	3.74e-03	-0.07	-1.85e-04	5.82e-06	0.0
800	17	2.53e-03	2.62e-03	-0.05	-1.15e-04	2.95e-06	0.0
800	27	-6.50e-04	5.07e-03	-0.05	-1.28e-04	4.09e-06	0.0
800	49	3.95e-03	2.79e-03	-0.05	-1.15e-04	1.95e-06	0.0
800	59	-1.11e-03	6.68e-03	-0.05	-1.35e-04	3.76e-06	0.0



800	70	1.34e-04	2.80e-03	-0.05	-1.38e-04	4.50e-06	0.0
800	72	1.31e-04	2.43e-03	-0.05	-1.20e-04	4.62e-06	0.0
801	2	2.90e-04	4.26e-03	-0.08	-2.10e-04	1.18e-05	0.0
801	17	2.63e-03	2.95e-03	-0.05	-1.31e-04	6.84e-06	0.0
801	27	-5.81e-04	5.46e-03	-0.06	-1.47e-04	1.07e-05	0.0
801	49	4.05e-03	3.13e-03	-0.05	-1.32e-04	5.75e-06	0.0
801	59	-1.05e-03	7.12e-03	-0.06	-1.57e-04	1.19e-05	0.0
801	70	2.21e-04	3.19e-03	-0.06	-1.57e-04	9.02e-06	0.0
801	72	2.11e-04	2.76e-03	-0.06	-1.36e-04	8.76e-06	0.0
802	2	4.29e-04	4.49e-03	-0.09	-2.21e-04	1.91e-05	0.0
802	17	2.73e-03	3.10e-03	-0.06	-1.39e-04	1.12e-05	0.0
802	27	-4.93e-04	5.65e-03	-0.06	-1.57e-04	1.69e-05	0.0
802	49	4.16e-03	3.28e-03	-0.06	-1.39e-04	9.78e-06	0.0
802	59	-9.60e-04	7.34e-03	-0.07	-1.68e-04	1.89e-05	0.0
802	70	3.26e-04	3.36e-03	-0.07	-1.66e-04	1.45e-05	0.0
802	72	3.06e-04	2.91e-03	-0.06	-1.43e-04	1.37e-05	0.0
803	2	8.12e-04	-4.77e-03	-0.09	2.34e-04	3.97e-05	0.0
803	10	3.04e-03	-3.26e-03	-0.06	1.47e-04	2.70e-05	0.0
803	24	-2.93e-04	-5.88e-03	-0.07	1.67e-04	2.86e-05	0.0
803	42	4.52e-03	-3.44e-03	-0.06	1.47e-04	2.76e-05	0.0
803	56	-7.80e-04	-7.60e-03	-0.07	1.79e-04	3.01e-05	0.0
803	70	6.12e-04	-3.57e-03	-0.07	1.75e-04	2.99e-05	0.0
803	72	5.50e-04	-3.09e-03	-0.06	1.52e-04	2.68e-05	0.0
804	2	6.60e-04	-4.65e-03	-0.08	2.29e-04	3.16e-05	0.0
804	10	2.92e-03	-3.18e-03	-0.06	1.43e-04	2.14e-05	0.0
804	24	-3.78e-04	-5.78e-03	-0.06	1.62e-04	2.25e-05	0.0
804	42	4.38e-03	-3.35e-03	-0.06	1.43e-04	2.17e-05	0.0
804	56	-8.59e-04	-7.48e-03	-0.06	1.73e-04	2.34e-05	0.0
804	70	4.98e-04	-3.48e-03	-0.06	1.71e-04	2.38e-05	0.0
804	72	4.49e-04	-3.02e-03	-0.06	1.49e-04	2.15e-05	0.0
805	2	4.35e-04	-4.16e-03	-0.07	2.05e-04	1.93e-05	0.0
805	10	2.75e-03	-2.86e-03	-0.05	1.28e-04	1.33e-05	0.0
805	24	-5.16e-04	-5.39e-03	-0.05	1.43e-04	1.15e-05	0.0
805	42	4.20e-03	-3.02e-03	-0.05	1.28e-04	1.34e-05	0.0
805	56	-9.93e-04	-7.04e-03	-0.05	1.52e-04	1.07e-05	0.0
805	70	3.29e-04	-3.11e-03	-0.05	1.53e-04	1.46e-05	0.0
805	72	2.99e-04	-2.70e-03	-0.05	1.33e-04	1.33e-05	0.0
806	2	2.81e-04	-3.43e-03	-0.06	1.69e-04	1.14e-05	0.0
806	10	2.61e-03	-2.40e-03	-0.04	1.05e-04	7.97e-06	0.0
806	24	-5.95e-04	-4.84e-03	-0.05	1.16e-04	6.65e-06	0.0
806	42	4.04e-03	-2.56e-03	-0.04	1.05e-04	8.11e-06	0.0
806	56	-1.06e-03	-6.43e-03	-0.05	1.22e-04	6.02e-06	0.0
806	70	2.12e-04	-2.56e-03	-0.05	1.27e-04	8.63e-06	0.0
806	72	1.94e-04	-2.23e-03	-0.05	1.10e-04	7.91e-06	0.0
807	2	1.90e-04	-2.56e-03	-0.05	1.27e-04	6.87e-06	0.0
807	10	2.52e-03	-1.87e-03	-0.04	7.91e-05	4.81e-06	0.0
807	24	-6.30e-04	-4.22e-03	-0.04	8.58e-05	4.06e-06	0.0
807	42	3.92e-03	-2.02e-03	-0.04	7.89e-05	4.87e-06	0.0
807	56	-1.08e-03	-5.77e-03	-0.04	8.95e-05	3.69e-06	0.0
807	70	1.44e-04	-1.92e-03	-0.04	9.48e-05	5.21e-06	0.0
807	72	1.31e-04	-1.67e-03	-0.04	8.25e-05	4.80e-06	0.0
808	2	1.40e-04	-1.63e-03	-0.05	8.08e-05	4.41e-06	0.0
808	8	-2.24e-03	-1.95e-03	-0.04	5.28e-05	2.86e-06	0.0
808	10	2.45e-03	-1.28e-03	-0.04	5.06e-05	3.04e-06	0.0
808	24	-6.38e-04	-3.59e-03	-0.04	5.45e-05	2.70e-06	0.0
808	40	-3.62e-03	-2.50e-03	-0.04	5.41e-05	2.77e-06	0.0
808	42	3.83e-03	-1.44e-03	-0.04	5.05e-05	3.04e-06	0.0
808	56	-1.07e-03	-5.11e-03	-0.04	5.68e-05	2.52e-06	0.0
808	70	1.06e-04	-1.22e-03	-0.04	6.05e-05	3.35e-06	0.0
808	72	9.67e-05	-1.06e-03	-0.04	5.27e-05	3.09e-06	0.0
809	2	1.17e-04	-6.70e-04	-0.05	3.34e-05	3.27e-06	0.0
809	10	2.40e-03	-6.85e-04	-0.04	2.11e-05	2.20e-06	0.0
809	12	-2.22e-03	-1.02e-03	-0.04	2.22e-05	2.23e-06	0.0
809	24	-6.29e-04	-2.96e-03	-0.04	2.34e-05	2.13e-06	0.0
809	42	3.77e-03	-8.41e-04	-0.04	2.12e-05	2.18e-06	0.0
809	44	-3.57e-03	-1.37e-03	-0.04	2.29e-05	2.22e-06	0.0
809	56	-1.05e-03	-4.46e-03	-0.04	2.48e-05	2.07e-06	0.0
809	70	8.86e-05	-5.02e-04	-0.04	2.50e-05	2.48e-06	0.0
809	72	8.06e-05	-4.37e-04	-0.04	2.18e-05	2.28e-06	0.0
810	2	1.14e-04	3.00e-04	-0.05	-1.45e-05	3.08e-06	0.0
810	15	-2.23e-03	1.10e-03	-0.04	-1.01e-05	2.12e-06	0.0
810	17	2.39e-03	4.55e-04	-0.03	-9.34e-06	2.07e-06	0.0
810	27	-6.22e-04	2.72e-03	-0.04	-1.12e-05	2.07e-06	0.0
810	47	-3.59e-03	1.63e-03	-0.04	-1.06e-05	2.13e-06	0.0
810	49	3.75e-03	6.12e-04	-0.03	-9.49e-06	2.05e-06	0.0
810	59	-1.03e-03	4.22e-03	-0.04	-1.25e-05	2.05e-06	0.0



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810	70	8.64e-05	2.25e-04	-0.04	-1.08e-05	2.34e-06	0.0
810	72	7.85e-05	1.96e-04	-0.04	-9.45e-06	2.15e-06	0.0
811	2	1.30e-04	1.27e-03	-0.05	-6.21e-05	3.80e-06	0.0
811	15	-2.24e-03	1.71e-03	-0.04	-4.07e-05	2.51e-06	0.0
811	17	2.43e-03	1.06e-03	-0.04	-3.89e-05	2.59e-06	0.0
811	27	-6.36e-04	3.35e-03	-0.04	-4.21e-05	2.38e-06	0.0
811	47	-3.62e-03	2.26e-03	-0.04	-4.17e-05	2.45e-06	0.0
811	49	3.81e-03	1.21e-03	-0.04	-3.89e-05	2.59e-06	0.0
811	59	-1.06e-03	4.86e-03	-0.04	-4.40e-05	2.24e-06	0.0
811	70	9.86e-05	9.48e-04	-0.04	-4.65e-05	2.88e-06	0.0
811	72	8.97e-05	8.25e-04	-0.04	-4.05e-05	2.66e-06	0.0
812	2	1.69e-04	2.21e-03	-0.05	-1.09e-04	5.65e-06	0.0
812	17	2.49e-03	1.65e-03	-0.04	-6.79e-05	3.94e-06	0.0
812	27	-6.34e-04	3.98e-03	-0.04	-7.34e-05	3.36e-06	0.0
812	49	3.89e-03	1.80e-03	-0.04	-6.77e-05	3.98e-06	0.0
812	59	-1.08e-03	5.51e-03	-0.04	-7.64e-05	3.07e-06	0.0
812	70	1.28e-04	1.65e-03	-0.04	-8.13e-05	4.28e-06	0.0
812	72	1.17e-04	1.44e-03	-0.04	-7.08e-05	3.95e-06	0.0
813	2	2.42e-04	3.10e-03	-0.06	-1.53e-04	9.19e-06	0.0
813	17	2.58e-03	2.20e-03	-0.04	-9.52e-05	6.46e-06	0.0
813	27	-6.11e-04	4.60e-03	-0.04	-1.04e-04	5.36e-06	0.0
813	49	4.00e-03	2.36e-03	-0.04	-9.49e-05	6.58e-06	0.0
813	59	-1.07e-03	6.17e-03	-0.04	-1.09e-04	4.82e-06	0.0
813	70	1.83e-04	2.32e-03	-0.04	-1.14e-04	6.97e-06	0.0
813	72	1.67e-04	2.02e-03	-0.04	-9.94e-05	6.41e-06	0.0
814	2	3.68e-04	3.90e-03	-0.07	-1.92e-04	1.56e-05	0.0
814	17	2.70e-03	2.70e-03	-0.05	-1.19e-04	1.08e-05	0.0
814	27	-5.53e-04	5.18e-03	-0.05	-1.33e-04	9.14e-06	0.0
814	49	4.14e-03	2.86e-03	-0.05	-1.19e-04	1.10e-05	0.0
814	59	-1.02e-03	6.81e-03	-0.05	-1.40e-04	8.34e-06	0.0
814	70	2.78e-04	2.92e-03	-0.05	-1.43e-04	1.18e-05	0.0
814	72	2.53e-04	2.53e-03	-0.05	-1.25e-04	1.08e-05	0.0
815	2	5.71e-04	4.50e-03	-0.08	-2.21e-04	2.63e-05	0.0
815	17	2.85e-03	3.09e-03	-0.05	-1.38e-04	1.81e-05	0.0
815	27	-4.34e-04	5.66e-03	-0.06	-1.55e-04	1.87e-05	0.0
815	49	4.31e-03	3.25e-03	-0.05	-1.38e-04	1.84e-05	0.0
815	59	-9.13e-04	7.34e-03	-0.06	-1.66e-04	1.94e-05	0.0
815	70	4.31e-04	3.37e-03	-0.06	-1.65e-04	1.99e-05	0.0
815	72	3.90e-04	2.92e-03	-0.06	-1.43e-04	1.80e-05	0.0
816	2	8.31e-04	4.77e-03	-0.09	-2.33e-04	3.99e-05	0.0
816	17	3.05e-03	3.27e-03	-0.06	-1.46e-04	2.72e-05	0.0
816	27	-2.79e-04	5.87e-03	-0.07	-1.66e-04	2.88e-05	0.0
816	49	4.52e-03	3.45e-03	-0.06	-1.47e-04	2.78e-05	0.0
816	59	-7.66e-04	7.59e-03	-0.07	-1.78e-04	3.03e-05	0.0
816	70	6.27e-04	3.57e-03	-0.07	-1.75e-04	3.01e-05	0.0
816	72	5.62e-04	3.09e-03	-0.06	-1.51e-04	2.70e-05	0.0
817	2	8.45e-04	-5.37e-03	-0.09	2.59e-04	4.13e-05	0.0
817	10	3.15e-03	-3.66e-03	-0.06	1.64e-04	3.32e-05	0.0
817	24	-3.22e-04	-6.37e-03	-0.07	1.87e-04	2.67e-05	0.0
817	42	4.69e-03	-3.85e-03	-0.06	1.66e-04	3.72e-05	0.0
817	56	-8.31e-04	-8.17e-03	-0.07	2.02e-04	2.69e-05	0.0
817	70	6.35e-04	-4.01e-03	-0.07	1.94e-04	3.10e-05	0.0
817	72	5.61e-04	-3.47e-03	-0.06	1.68e-04	2.74e-05	0.0
818	2	5.10e-04	-5.22e-03	-0.08	2.52e-04	2.70e-05	0.0
818	10	2.96e-03	-3.52e-03	-0.06	1.58e-04	2.36e-05	0.0
818	24	-5.48e-04	-6.23e-03	-0.06	1.80e-04	1.39e-05	0.0
818	42	4.51e-03	-3.67e-03	-0.06	1.59e-04	2.72e-05	0.0
818	56	-1.07e-03	-7.99e-03	-0.06	1.94e-04	1.18e-05	0.0
818	70	3.85e-04	-3.90e-03	-0.06	1.89e-04	2.03e-05	0.0
818	72	3.45e-04	-3.38e-03	-0.06	1.64e-04	1.81e-05	0.0
819	2	4.59e-04	-4.40e-03	-0.07	2.15e-04	2.08e-05	0.0
819	10	2.81e-03	-3.02e-03	-0.05	1.35e-04	1.61e-05	0.0
819	24	-5.27e-04	-5.55e-03	-0.05	1.49e-04	1.35e-05	0.0
819	42	4.30e-03	-3.17e-03	-0.05	1.36e-04	1.76e-05	0.0
819	56	-1.01e-03	-7.20e-03	-0.05	1.58e-04	1.36e-05	0.0
819	70	3.45e-04	-3.29e-03	-0.06	1.61e-04	1.56e-05	0.0
819	72	3.06e-04	-2.86e-03	-0.05	1.40e-04	1.38e-05	0.0
820	2	3.37e-04	-3.56e-03	-0.06	1.75e-04	1.44e-05	0.0
820	10	2.67e-03	-2.48e-03	-0.05	1.10e-04	1.08e-05	0.0
820	24	-5.77e-04	-4.93e-03	-0.05	1.19e-04	7.92e-06	0.0
820	42	4.12e-03	-2.63e-03	-0.05	1.10e-04	1.18e-05	0.0
820	56	-1.04e-03	-6.52e-03	-0.05	1.25e-04	7.17e-06	0.0
820	70	2.54e-04	-2.66e-03	-0.05	1.31e-04	1.08e-05	0.0
820	72	2.24e-04	-2.32e-03	-0.05	1.14e-04	9.52e-06	0.0
821	2	2.53e-04	-2.64e-03	-0.05	1.30e-04	1.01e-05	0.0
821	10	2.57e-03	-1.91e-03	-0.04	8.17e-05	7.26e-06	0.0



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821	24	-6.01e-04	-4.28e-03	-0.04	8.78e-05	5.71e-06	0.0
821	42	3.98e-03	-2.05e-03	-0.04	8.17e-05	7.75e-06	0.0
821	56	-1.05e-03	-5.83e-03	-0.04	9.13e-05	5.29e-06	0.0
821	70	1.91e-04	-1.97e-03	-0.04	9.74e-05	7.59e-06	0.0
821	72	1.68e-04	-1.72e-03	-0.04	8.49e-05	6.65e-06	0.0
822	2	2.02e-04	-1.67e-03	-0.05	8.27e-05	7.47e-06	0.0
822	8	-2.22e-03	-1.99e-03	-0.04	5.39e-05	4.16e-06	0.0
822	10	2.49e-03	-1.30e-03	-0.04	5.20e-05	5.14e-06	0.0
822	24	-6.08e-04	-3.63e-03	-0.04	5.56e-05	4.33e-06	0.0
822	40	-3.60e-03	-2.54e-03	-0.04	5.49e-05	3.83e-06	0.0
822	42	3.88e-03	-1.44e-03	-0.04	5.20e-05	5.39e-06	0.0
822	56	-1.04e-03	-5.14e-03	-0.04	5.78e-05	4.11e-06	0.0
822	70	1.52e-04	-1.25e-03	-0.04	6.19e-05	5.61e-06	0.0
822	72	1.33e-04	-1.09e-03	-0.04	5.40e-05	4.89e-06	0.0
823	2	1.76e-04	-6.87e-04	-0.05	3.41e-05	6.13e-06	0.0
823	10	2.44e-03	-6.81e-04	-0.04	2.17e-05	4.07e-06	0.0
823	12	-2.19e-03	-1.04e-03	-0.04	2.25e-05	3.56e-06	0.0
823	24	-5.98e-04	-2.98e-03	-0.04	2.38e-05	3.67e-06	0.0
823	42	3.81e-03	-8.28e-04	-0.04	2.18e-05	4.21e-06	0.0
823	44	-3.55e-03	-1.39e-03	-0.04	2.32e-05	3.40e-06	0.0
823	56	-1.02e-03	-4.48e-03	-0.04	2.51e-05	3.58e-06	0.0
823	70	1.32e-04	-5.14e-04	-0.04	2.56e-05	4.60e-06	0.0
823	72	1.16e-04	-4.48e-04	-0.04	2.23e-05	3.99e-06	0.0
824	2	1.72e-04	3.06e-04	-0.05	-1.48e-05	5.91e-06	0.0
824	15	-2.21e-03	1.11e-03	-0.04	-1.02e-05	3.46e-06	0.0
824	17	2.43e-03	4.44e-04	-0.04	-9.58e-06	3.89e-06	0.0
824	27	-5.91e-04	2.73e-03	-0.04	-1.13e-05	3.59e-06	0.0
824	47	-3.57e-03	1.66e-03	-0.04	-1.07e-05	3.33e-06	0.0
824	49	3.79e-03	5.92e-04	-0.03	-9.74e-06	4.01e-06	0.0
824	59	-1.00e-03	4.23e-03	-0.04	-1.25e-05	3.52e-06	0.0
824	70	1.29e-04	2.29e-04	-0.04	-1.11e-05	4.43e-06	0.0
824	72	1.13e-04	1.99e-04	-0.04	-9.65e-06	3.84e-06	0.0
825	2	1.91e-04	1.30e-03	-0.05	-6.35e-05	6.79e-06	0.0
825	15	-2.22e-03	1.75e-03	-0.04	-4.14e-05	3.82e-06	0.0
825	17	2.47e-03	1.06e-03	-0.04	-4.00e-05	4.61e-06	0.0
825	27	-6.05e-04	3.37e-03	-0.04	-4.29e-05	3.97e-06	0.0
825	47	-3.60e-03	2.30e-03	-0.04	-4.23e-05	3.57e-06	0.0
825	49	3.86e-03	1.21e-03	-0.04	-4.00e-05	4.81e-06	0.0
825	59	-1.03e-03	4.88e-03	-0.04	-4.46e-05	3.80e-06	0.0
825	70	1.43e-04	9.70e-04	-0.04	-4.76e-05	5.09e-06	0.0
825	72	1.25e-04	8.45e-04	-0.04	-4.15e-05	4.43e-06	0.0
826	2	2.33e-04	2.27e-03	-0.05	-1.11e-04	8.86e-06	0.0
826	17	2.54e-03	1.67e-03	-0.04	-7.00e-05	6.29e-06	0.0
826	27	-6.05e-04	4.03e-03	-0.04	-7.49e-05	5.04e-06	0.0
826	49	3.95e-03	1.82e-03	-0.04	-7.00e-05	6.68e-06	0.0
826	59	-1.05e-03	5.56e-03	-0.04	-7.78e-05	4.70e-06	0.0
826	70	1.75e-04	1.70e-03	-0.04	-8.34e-05	6.65e-06	0.0
826	72	1.54e-04	1.48e-03	-0.04	-7.27e-05	5.82e-06	0.0
827	2	3.03e-04	3.21e-03	-0.06	-1.57e-04	1.24e-05	0.0
827	17	2.63e-03	2.27e-03	-0.04	-9.88e-05	9.23e-06	0.0
827	27	-5.88e-04	4.68e-03	-0.04	-1.07e-04	6.85e-06	0.0
827	49	4.07e-03	2.41e-03	-0.04	-9.88e-05	1.00e-05	0.0
827	59	-1.05e-03	6.25e-03	-0.04	-1.11e-04	6.23e-06	0.0
827	70	2.28e-04	2.40e-03	-0.05	-1.18e-04	9.30e-06	0.0
827	72	2.01e-04	2.09e-03	-0.04	-1.03e-04	8.18e-06	0.0
828	2	4.03e-04	4.09e-03	-0.07	-2.00e-04	1.76e-05	0.0
828	17	2.75e-03	2.82e-03	-0.05	-1.26e-04	1.35e-05	0.0
828	27	-5.52e-04	5.31e-03	-0.05	-1.37e-04	1.15e-05	0.0
828	49	4.23e-03	2.97e-03	-0.05	-1.26e-04	1.49e-05	0.0
828	59	-1.03e-03	6.93e-03	-0.05	-1.44e-04	1.16e-05	0.0
828	70	3.03e-04	3.06e-03	-0.05	-1.50e-04	1.32e-05	0.0
828	72	2.69e-04	2.66e-03	-0.05	-1.30e-04	1.17e-05	0.0
829	2	4.17e-04	4.93e-03	-0.08	-2.39e-04	2.13e-05	0.0
829	17	2.87e-03	3.34e-03	-0.06	-1.50e-04	1.88e-05	0.0
829	27	-5.95e-04	5.98e-03	-0.06	-1.69e-04	1.06e-05	0.0
829	49	4.40e-03	3.50e-03	-0.06	-1.51e-04	2.17e-05	0.0
829	59	-1.11e-03	7.68e-03	-0.06	-1.80e-04	8.59e-06	0.0
829	70	3.14e-04	3.69e-03	-0.06	-1.79e-04	1.61e-05	0.0
829	72	2.82e-04	3.21e-03	-0.06	-1.56e-04	1.43e-05	0.0
830	2	8.63e-04	5.40e-03	-0.09	-2.59e-04	4.16e-05	0.0
830	17	3.15e-03	3.69e-03	-0.06	-1.65e-04	3.32e-05	0.0
830	27	-3.07e-04	6.40e-03	-0.07	-1.87e-04	2.71e-05	0.0
830	49	4.68e-03	3.89e-03	-0.06	-1.67e-04	3.71e-05	0.0
830	59	-8.15e-04	8.19e-03	-0.07	-2.02e-04	2.73e-05	0.0
830	70	6.49e-04	4.04e-03	-0.07	-1.94e-04	3.12e-05	0.0
830	72	5.73e-04	3.49e-03	-0.06	-1.68e-04	2.75e-05	0.0



831	2	5.57e-04	-5.17e-03	-0.09	2.54e-04	2.48e-05	0.0
831	10	3.06e-03	-3.52e-03	-0.06	1.61e-04	2.53e-05	0.0
831	24	-5.40e-04	-6.16e-03	-0.06	1.80e-04	1.42e-05	0.0
831	42	4.66e-03	-3.70e-03	-0.06	1.63e-04	3.10e-05	0.0
831	56	-1.07e-03	-7.89e-03	-0.06	1.93e-04	1.34e-05	0.0
831	70	4.18e-04	-3.87e-03	-0.06	1.90e-04	1.86e-05	0.0
831	72	3.63e-04	-3.36e-03	-0.06	1.65e-04	1.61e-05	0.0
832	2	4.14e-04	-4.48e-03	-0.07	2.19e-04	1.85e-05	0.0
832	10	2.79e-03	-3.08e-03	-0.05	1.39e-04	1.53e-05	0.0
832	24	-5.68e-04	-5.61e-03	-0.05	1.52e-04	1.14e-05	0.0
832	42	4.28e-03	-3.23e-03	-0.05	1.40e-04	1.75e-05	0.0
832	56	-1.06e-03	-7.26e-03	-0.05	1.60e-04	1.13e-05	0.0
832	70	3.11e-04	-3.35e-03	-0.06	1.64e-04	1.39e-05	0.0
832	72	2.70e-04	-2.92e-03	-0.05	1.43e-04	1.20e-05	0.0
833	2	3.33e-04	-3.62e-03	-0.06	1.78e-04	1.43e-05	0.0
833	10	2.67e-03	-2.52e-03	-0.05	1.12e-04	1.12e-05	0.0
833	24	-5.88e-04	-4.97e-03	-0.05	1.21e-04	8.79e-06	0.0
833	42	4.13e-03	-2.67e-03	-0.05	1.13e-04	1.26e-05	0.0
833	56	-1.06e-03	-6.56e-03	-0.05	1.26e-04	8.75e-06	0.0
833	70	2.50e-04	-2.71e-03	-0.05	1.33e-04	1.07e-05	0.0
833	72	2.17e-04	-2.36e-03	-0.05	1.16e-04	9.23e-06	0.0
834	2	2.69e-04	-2.68e-03	-0.06	1.32e-04	1.09e-05	0.0
834	10	2.58e-03	-1.93e-03	-0.04	8.33e-05	7.98e-06	0.0
834	24	-5.99e-04	-4.31e-03	-0.04	8.89e-05	6.71e-06	0.0
834	42	4.00e-03	-2.07e-03	-0.04	8.35e-05	8.73e-06	0.0
834	56	-1.05e-03	-5.86e-03	-0.04	9.24e-05	6.71e-06	0.0
834	70	2.01e-04	-2.01e-03	-0.04	9.89e-05	8.17e-06	0.0
834	72	1.74e-04	-1.75e-03	-0.04	8.62e-05	7.01e-06	0.0
835	2	2.23e-04	-1.70e-03	-0.05	8.39e-05	8.55e-06	0.0
835	10	2.51e-03	-1.31e-03	-0.04	5.29e-05	5.81e-06	0.0
835	24	-5.99e-04	-3.64e-03	-0.04	5.63e-05	5.21e-06	0.0
835	42	3.90e-03	-1.45e-03	-0.04	5.30e-05	6.16e-06	0.0
835	56	-1.03e-03	-5.17e-03	-0.04	5.84e-05	5.20e-06	0.0
835	70	1.67e-04	-1.27e-03	-0.04	6.28e-05	6.39e-06	0.0
835	72	1.44e-04	-1.11e-03	-0.04	5.48e-05	5.46e-06	0.0
836	2	1.99e-04	-6.97e-04	-0.05	3.46e-05	7.25e-06	0.0
836	10	2.45e-03	-6.79e-04	-0.04	2.20e-05	4.75e-06	0.0
836	12	-2.18e-03	-1.05e-03	-0.04	2.27e-05	4.02e-06	0.0
836	24	-5.88e-04	-2.99e-03	-0.04	2.40e-05	4.35e-06	0.0
836	42	3.83e-03	-8.20e-04	-0.04	2.22e-05	4.96e-06	0.0
836	44	-3.55e-03	-1.41e-03	-0.04	2.33e-05	3.79e-06	0.0
836	56	-1.01e-03	-4.49e-03	-0.04	2.53e-05	4.33e-06	0.0
836	70	1.49e-04	-5.22e-04	-0.04	2.59e-05	5.42e-06	0.0
836	72	1.28e-04	-4.55e-04	-0.04	2.26e-05	4.60e-06	0.0
837	2	1.95e-04	3.10e-04	-0.05	-1.50e-05	7.03e-06	0.0
837	15	-2.20e-03	1.12e-03	-0.04	-1.03e-05	3.94e-06	0.0
837	17	2.44e-03	4.37e-04	-0.04	-9.74e-06	4.57e-06	0.0
837	27	-5.81e-04	2.74e-03	-0.04	-1.14e-05	4.14e-06	0.0
837	47	-3.56e-03	1.67e-03	-0.04	-1.07e-05	3.75e-06	0.0
837	49	3.81e-03	5.80e-04	-0.04	-9.93e-06	4.75e-06	0.0
837	59	-9.94e-04	4.24e-03	-0.04	-1.26e-05	4.06e-06	0.0
837	70	1.46e-04	2.32e-04	-0.04	-1.12e-05	5.26e-06	0.0
837	72	1.26e-04	2.02e-04	-0.04	-9.78e-06	4.46e-06	0.0
838	2	2.13e-04	1.31e-03	-0.05	-6.44e-05	7.90e-06	0.0
838	15	-2.21e-03	1.76e-03	-0.04	-4.18e-05	4.34e-06	0.0
838	17	2.49e-03	1.07e-03	-0.04	-4.07e-05	5.29e-06	0.0
838	27	-5.96e-04	3.39e-03	-0.04	-4.34e-05	4.79e-06	0.0
838	47	-3.59e-03	2.32e-03	-0.04	-4.26e-05	4.06e-06	0.0
838	49	3.88e-03	1.21e-03	-0.04	-4.08e-05	5.58e-06	0.0
838	59	-1.03e-03	4.90e-03	-0.04	-4.51e-05	4.78e-06	0.0
838	70	1.60e-04	9.83e-04	-0.04	-4.82e-05	5.91e-06	0.0
838	72	1.38e-04	8.56e-04	-0.04	-4.20e-05	5.03e-06	0.0
839	2	2.52e-04	2.30e-03	-0.05	-1.13e-04	9.86e-06	0.0
839	17	2.55e-03	1.69e-03	-0.04	-7.13e-05	6.93e-06	0.0
839	27	-5.99e-04	4.05e-03	-0.04	-7.59e-05	6.04e-06	0.0
839	49	3.97e-03	1.83e-03	-0.04	-7.15e-05	7.45e-06	0.0
839	59	-1.04e-03	5.59e-03	-0.04	-7.87e-05	6.03e-06	0.0
839	70	1.89e-04	1.72e-03	-0.04	-8.46e-05	7.38e-06	0.0
839	72	1.63e-04	1.50e-03	-0.04	-7.38e-05	6.32e-06	0.0
840	2	3.11e-04	3.26e-03	-0.06	-1.60e-04	1.29e-05	0.0
840	17	2.64e-03	2.30e-03	-0.04	-1.01e-04	9.86e-06	0.0
840	27	-5.91e-04	4.71e-03	-0.04	-1.08e-04	7.92e-06	0.0
840	49	4.08e-03	2.44e-03	-0.04	-1.01e-04	1.10e-05	0.0
840	59	-1.05e-03	6.28e-03	-0.04	-1.13e-04	7.90e-06	0.0
840	70	2.33e-04	2.44e-03	-0.05	-1.20e-04	9.64e-06	0.0
840	72	2.02e-04	2.12e-03	-0.04	-1.04e-04	8.30e-06	0.0



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841	2	3.90e-04	4.16e-03	-0.07	-2.03e-04	1.69e-05	0.0
841	17	2.75e-03	2.87e-03	-0.05	-1.29e-04	1.38e-05	0.0
841	27	-5.73e-04	5.36e-03	-0.05	-1.39e-04	1.03e-05	0.0
841	49	4.23e-03	3.02e-03	-0.05	-1.29e-04	1.58e-05	0.0
841	59	-1.05e-03	6.99e-03	-0.05	-1.47e-04	1.02e-05	0.0
841	70	2.93e-04	3.11e-03	-0.05	-1.52e-04	1.27e-05	0.0
841	72	2.54e-04	2.71e-03	-0.05	-1.32e-04	1.09e-05	0.0
842	2	5.37e-04	4.92e-03	-0.08	-2.41e-04	2.33e-05	0.0
842	17	2.98e-03	3.36e-03	-0.06	-1.53e-04	2.13e-05	0.0
842	27	-5.27e-04	5.94e-03	-0.06	-1.68e-04	1.39e-05	0.0
842	49	4.53e-03	3.52e-03	-0.06	-1.54e-04	2.53e-05	0.0
842	59	-1.04e-03	7.63e-03	-0.06	-1.78e-04	1.36e-05	0.0
842	70	4.03e-04	3.68e-03	-0.06	-1.80e-04	1.74e-05	0.0
842	72	3.50e-04	3.20e-03	-0.06	-1.57e-04	1.51e-05	0.0
843	2	2.83e-04	-5.43e-03	-0.09	2.64e-04	1.17e-05	0.0
843	10	2.83e-03	-3.68e-03	-0.07	1.68e-04	1.54e-05	0.0
843	24	-7.24e-04	-6.45e-03	-0.07	1.91e-04	5.89e-06	0.0
843	42	4.39e-03	-3.86e-03	-0.07	1.70e-04	2.05e-05	0.0
843	56	-1.25e-03	-8.26e-03	-0.07	2.07e-04	5.32e-06	0.0
843	70	2.11e-04	-4.06e-03	-0.07	1.97e-04	8.74e-06	0.0
843	72	1.78e-04	-3.51e-03	-0.07	1.71e-04	7.22e-06	0.0
844	2	5.76e-04	-5.30e-03	-0.09	2.58e-04	2.25e-05	0.0
844	10	3.02e-03	-3.63e-03	-0.06	1.66e-04	2.22e-05	0.0
844	24	-5.38e-04	-6.27e-03	-0.06	1.83e-04	1.31e-05	0.0
844	26	9.52e-04	-6.27e-03	-0.06	1.83e-04	1.73e-05	0.0
844	42	4.60e-03	-3.82e-03	-0.06	1.69e-04	2.74e-05	0.0
844	56	-1.06e-03	-8.02e-03	-0.06	1.96e-04	1.29e-05	0.0
844	58	1.31e-03	-8.02e-03	-0.06	1.96e-04	1.96e-05	0.0
844	70	4.31e-04	-3.97e-03	-0.06	1.93e-04	1.68e-05	0.0
844	72	3.66e-04	-3.44e-03	-0.06	1.68e-04	1.42e-05	0.0
845	2	3.81e-04	-4.50e-03	-0.07	2.21e-04	1.67e-05	0.0
845	10	2.76e-03	-3.09e-03	-0.05	1.40e-04	1.38e-05	0.0
845	24	-5.97e-04	-5.61e-03	-0.05	1.52e-04	9.98e-06	0.0
845	42	4.25e-03	-3.25e-03	-0.05	1.41e-04	1.60e-05	0.0
845	56	-1.09e-03	-7.26e-03	-0.05	1.60e-04	9.92e-06	0.0
845	70	2.85e-04	-3.37e-03	-0.06	1.65e-04	1.25e-05	0.0
845	72	2.43e-04	-2.93e-03	-0.05	1.44e-04	1.06e-05	0.0
846	2	3.24e-04	-3.64e-03	-0.06	1.79e-04	1.39e-05	0.0
846	10	2.66e-03	-2.54e-03	-0.05	1.14e-04	1.08e-05	0.0
846	24	-5.99e-04	-4.98e-03	-0.05	1.22e-04	8.36e-06	0.0
846	42	4.12e-03	-2.69e-03	-0.05	1.14e-04	1.22e-05	0.0
846	56	-1.07e-03	-6.58e-03	-0.05	1.27e-04	8.34e-06	0.0
846	70	2.42e-04	-2.73e-03	-0.05	1.34e-04	1.04e-05	0.0
846	72	2.07e-04	-2.37e-03	-0.05	1.17e-04	8.79e-06	0.0
847	2	2.72e-04	-2.70e-03	-0.06	1.33e-04	1.11e-05	0.0
847	10	2.58e-03	-1.94e-03	-0.04	8.42e-05	8.02e-06	0.0
847	24	-6.00e-04	-4.32e-03	-0.04	8.95e-05	6.68e-06	0.0
847	42	4.00e-03	-2.08e-03	-0.04	8.46e-05	8.79e-06	0.0
847	56	-1.05e-03	-5.88e-03	-0.04	9.30e-05	6.65e-06	0.0
847	70	2.04e-04	-2.02e-03	-0.04	9.97e-05	8.31e-06	0.0
847	72	1.74e-04	-1.76e-03	-0.04	8.69e-05	7.04e-06	0.0
848	2	2.32e-04	-1.71e-03	-0.05	8.46e-05	8.97e-06	0.0
848	10	2.51e-03	-1.31e-03	-0.04	5.35e-05	6.11e-06	0.0
848	24	-5.97e-04	-3.66e-03	-0.04	5.67e-05	5.34e-06	0.0
848	42	3.91e-03	-1.45e-03	-0.04	5.37e-05	6.54e-06	0.0
848	56	-1.03e-03	-5.18e-03	-0.04	5.88e-05	5.31e-06	0.0
848	70	1.73e-04	-1.28e-03	-0.04	6.33e-05	6.70e-06	0.0
848	72	1.48e-04	-1.12e-03	-0.04	5.52e-05	5.65e-06	0.0
849	2	2.08e-04	-7.03e-04	-0.05	3.49e-05	7.72e-06	0.0
849	10	2.46e-03	-6.77e-04	-0.04	2.23e-05	5.04e-06	0.0
849	12	-2.18e-03	-1.06e-03	-0.04	4.29e-05	4.22e-06	0.0
849	24	-5.84e-04	-2.99e-03	-0.04	2.42e-05	4.54e-06	0.0
849	42	3.84e-03	-8.15e-04	-0.04	2.24e-05	5.29e-06	0.0
849	44	-3.54e-03	-1.42e-03	-0.04	2.34e-05	3.98e-06	0.0
849	56	-1.00e-03	-4.50e-03	-0.04	2.54e-05	4.50e-06	0.0
849	70	1.56e-04	-5.27e-04	-0.04	2.61e-05	5.76e-06	0.0
849	72	1.33e-04	-4.59e-04	-0.04	2.28e-05	4.84e-06	0.0
850	2	2.05e-04	3.12e-04	-0.05	-1.51e-05	7.51e-06	0.0
850	15	-2.19e-03	1.13e-03	-0.04	-1.03e-05	4.13e-06	0.0
850	17	2.45e-03	4.33e-04	-0.04	-9.86e-06	4.83e-06	0.0
850	27	-5.77e-04	2.74e-03	-0.04	-1.15e-05	4.40e-06	0.0
850	47	-3.56e-03	1.68e-03	-0.04	-1.08e-05	3.93e-06	0.0
850	49	3.82e-03	5.72e-04	-0.04	-1.01e-05	5.03e-06	0.0
850	59	-9.90e-04	4.25e-03	-0.04	-1.26e-05	4.35e-06	0.0
850	70	1.53e-04	2.33e-04	-0.04	-1.13e-05	5.60e-06	0.0
850	72	1.31e-04	2.03e-04	-0.04	-9.87e-06	4.70e-06	0.0



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851	2	2.22e-04	1.32e-03	-0.05	-6.49e-05	8.36e-06	0.0
851	15	-2.21e-03	1.77e-03	-0.04	-4.21e-05	4.48e-06	0.0
851	17	2.49e-03	1.07e-03	-0.04	-4.11e-05	5.60e-06	0.0
851	27	-5.93e-04	3.40e-03	-0.04	-4.37e-05	4.95e-06	0.0
851	47	-3.59e-03	2.33e-03	-0.04	-4.28e-05	4.17e-06	0.0
851	49	3.88e-03	1.21e-03	-0.04	-4.13e-05	5.95e-06	0.0
851	59	-1.02e-03	4.91e-03	-0.04	-4.54e-05	4.92e-06	0.0
851	70	1.66e-04	9.91e-04	-0.04	-4.86e-05	6.24e-06	0.0
851	72	1.42e-04	8.63e-04	-0.04	-4.24e-05	5.25e-06	0.0
852	2	2.58e-04	2.32e-03	-0.05	-1.14e-04	1.02e-05	0.0
852	17	2.56e-03	1.70e-03	-0.04	-7.21e-05	7.21e-06	0.0
852	27	-5.99e-04	4.06e-03	-0.04	-7.64e-05	6.10e-06	0.0
852	49	3.97e-03	1.84e-03	-0.04	-7.24e-05	7.83e-06	0.0
852	59	-1.05e-03	5.60e-03	-0.04	-7.92e-05	6.08e-06	0.0
852	70	1.93e-04	1.74e-03	-0.04	-8.53e-05	7.62e-06	0.0
852	72	1.65e-04	1.51e-03	-0.04	-7.44e-05	6.44e-06	0.0
853	2	3.09e-04	3.28e-03	-0.06	-1.61e-04	1.29e-05	0.0
853	17	2.64e-03	2.31e-03	-0.04	-1.02e-04	9.71e-06	0.0
853	27	-5.96e-04	4.73e-03	-0.04	-1.09e-04	7.72e-06	0.0
853	49	4.08e-03	2.46e-03	-0.04	-1.03e-04	1.09e-05	0.0
853	59	-1.06e-03	6.30e-03	-0.04	-1.13e-04	7.69e-06	0.0
853	70	2.31e-04	2.46e-03	-0.05	-1.21e-04	9.60e-06	0.0
853	72	1.98e-04	2.14e-03	-0.04	-1.05e-04	8.14e-06	0.0
854	2	3.75e-04	4.18e-03	-0.07	-2.05e-04	1.60e-05	0.0
854	17	2.74e-03	2.88e-03	-0.05	-1.30e-04	1.29e-05	0.0
854	27	-5.88e-04	5.37e-03	-0.05	-1.40e-04	9.63e-06	0.0
854	49	4.22e-03	3.04e-03	-0.05	-1.31e-04	1.47e-05	0.0
854	59	-1.07e-03	6.99e-03	-0.05	-1.47e-04	9.58e-06	0.0
854	70	2.81e-04	3.13e-03	-0.05	-1.53e-04	1.20e-05	0.0
854	72	2.40e-04	2.72e-03	-0.05	-1.33e-04	1.02e-05	0.0
855	2	5.89e-04	5.01e-03	-0.08	-2.44e-04	2.34e-05	0.0
855	17	2.98e-03	3.43e-03	-0.06	-1.56e-04	2.09e-05	0.0
855	27	-5.06e-04	6.01e-03	-0.06	-1.71e-04	1.42e-05	0.0
855	49	4.53e-03	3.61e-03	-0.06	-1.57e-04	2.49e-05	0.0
855	59	-1.02e-03	7.71e-03	-0.06	-1.82e-04	1.43e-05	0.0
855	70	4.41e-04	3.75e-03	-0.06	-1.83e-04	1.75e-05	0.0
855	72	3.76e-04	3.26e-03	-0.06	-1.59e-04	1.48e-05	0.0
856	2	2.70e-04	5.44e-03	-0.09	-2.63e-04	1.10e-05	0.0
856	17	2.81e-03	3.67e-03	-0.07	-1.67e-04	1.47e-05	0.0
856	27	-7.32e-04	6.46e-03	-0.07	-1.91e-04	1.90e-06	0.0
856	49	4.36e-03	3.85e-03	-0.07	-1.70e-04	1.96e-05	0.0
856	59	-1.26e-03	8.28e-03	-0.07	-2.07e-04	0.0	0.0
856	70	2.02e-04	4.07e-03	-0.07	-1.97e-04	8.21e-06	0.0
856	72	1.70e-04	3.51e-03	-0.07	-1.70e-04	6.77e-06	0.0
857	2	1.62e-04	-5.11e-03	-0.09	2.51e-04	5.92e-06	0.0
857	10	2.64e-03	-3.47e-03	-0.07	1.61e-04	4.14e-06	0.0
857	26	6.32e-04	-6.11e-03	-0.07	1.77e-04	0.0	0.0
857	28	-7.39e-04	-5.99e-03	-0.07	1.76e-04	0.0	0.0
857	42	4.15e-03	-3.65e-03	-0.07	1.64e-04	5.11e-06	0.0
857	58	9.57e-04	-7.84e-03	-0.07	1.89e-04	0.0	0.0
857	60	-1.22e-03	-7.65e-03	-0.07	1.88e-04	-2.25e-06	0.0
857	70	1.19e-04	-3.82e-03	-0.07	1.88e-04	4.27e-06	0.0
857	72	8.76e-05	-3.31e-03	-0.07	1.63e-04	2.84e-06	0.0
858	2	2.24e-04	-4.98e-03	-0.09	2.45e-04	8.65e-06	0.0
858	10	2.65e-03	-3.40e-03	-0.06	1.58e-04	5.79e-06	0.0
858	26	6.86e-04	-6.01e-03	-0.06	1.72e-04	6.16e-06	0.0
858	28	-6.83e-04	-5.88e-03	-0.06	1.71e-04	5.31e-06	0.0
858	42	4.15e-03	-3.57e-03	-0.06	1.60e-04	6.69e-06	0.0
858	58	1.02e-03	-7.72e-03	-0.06	1.83e-04	7.29e-06	0.0
858	60	-1.16e-03	-7.52e-03	-0.06	1.82e-04	5.93e-06	0.0
858	70	1.66e-04	-3.73e-03	-0.07	1.83e-04	6.33e-06	0.0
858	72	1.29e-04	-3.23e-03	-0.06	1.59e-04	4.67e-06	0.0
859	2	2.88e-04	-4.46e-03	-0.07	2.20e-04	1.22e-05	0.0
859	10	2.67e-03	-3.06e-03	-0.05	1.41e-04	9.12e-06	0.0
859	26	7.53e-04	-5.59e-03	-0.05	1.52e-04	8.20e-06	0.0
859	28	-6.22e-04	-5.47e-03	-0.05	1.51e-04	7.34e-06	0.0
859	42	4.14e-03	-3.23e-03	-0.05	1.44e-04	1.05e-05	0.0
859	58	1.10e-03	-7.25e-03	-0.05	1.60e-04	9.07e-06	0.0
859	60	-1.09e-03	-7.05e-03	-0.05	1.59e-04	7.70e-06	0.0
859	70	2.14e-04	-3.34e-03	-0.06	1.64e-04	9.05e-06	0.0
859	72	1.74e-04	-2.90e-03	-0.05	1.43e-04	7.19e-06	0.0
860	2	2.91e-04	-3.67e-03	-0.06	1.81e-04	1.24e-05	0.0
860	10	2.63e-03	-2.55e-03	-0.05	1.16e-04	8.70e-06	0.0
860	24	-6.28e-04	-5.00e-03	-0.05	1.23e-04	7.23e-06	0.0
860	26	7.77e-04	-5.01e-03	-0.05	1.23e-04	7.97e-06	0.0
860	42	4.07e-03	-2.70e-03	-0.05	1.17e-04	9.68e-06	0.0



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860	56	-1.10e-03	-6.60e-03	-0.05	1.28e-04	7.35e-06	0.0
860	58	1.14e-03	-6.60e-03	-0.05	1.28e-04	8.53e-06	0.0
860	70	2.17e-04	-2.75e-03	-0.05	1.35e-04	9.17e-06	0.0
860	72	1.79e-04	-2.39e-03	-0.05	1.18e-04	7.45e-06	0.0
861	2	2.63e-04	-2.74e-03	-0.06	1.35e-04	1.07e-05	0.0
861	10	2.57e-03	-1.95e-03	-0.04	8.59e-05	7.24e-06	0.0
861	24	-6.14e-04	-4.35e-03	-0.04	9.08e-05	6.17e-06	0.0
861	42	3.99e-03	-2.09e-03	-0.04	8.64e-05	7.89e-06	0.0
861	56	-1.07e-03	-5.91e-03	-0.04	9.43e-05	6.18e-06	0.0
861	70	1.96e-04	-2.05e-03	-0.04	1.01e-04	7.96e-06	0.0
861	72	1.63e-04	-1.79e-03	-0.04	8.82e-05	6.51e-06	0.0
862	2	2.32e-04	-1.74e-03	-0.05	8.62e-05	8.96e-06	0.0
862	10	2.51e-03	-1.32e-03	-0.04	5.47e-05	5.83e-06	0.0
862	24	-6.04e-04	-3.68e-03	-0.04	5.76e-05	5.08e-06	0.0
862	42	3.91e-03	-1.45e-03	-0.04	5.51e-05	6.24e-06	0.0
862	56	-1.04e-03	-5.21e-03	-0.04	5.97e-05	5.04e-06	0.0
862	70	1.73e-04	-1.31e-03	-0.04	6.45e-05	6.66e-06	0.0
862	72	1.44e-04	-1.14e-03	-0.04	5.62e-05	5.44e-06	0.0
863	2	2.12e-04	-7.18e-04	-0.05	3.56e-05	7.84e-06	0.0
863	8	-2.20e-03	-1.40e-03	-0.04	2.32e-05	4.06e-06	0.0
863	10	2.46e-03	-6.72e-04	-0.04	2.28e-05	4.92e-06	0.0
863	24	-5.87e-04	-3.01e-03	-0.04	2.46e-05	4.39e-06	0.0
863	40	-3.57e-03	-1.96e-03	-0.04	2.37e-05	3.82e-06	0.0
863	42	3.84e-03	-8.02e-04	-0.04	2.31e-05	5.18e-06	0.0
863	56	-1.01e-03	-4.52e-03	-0.04	2.58e-05	4.34e-06	0.0
863	70	1.58e-04	-5.38e-04	-0.04	2.67e-05	5.82e-06	0.0
863	72	1.32e-04	-4.68e-04	-0.04	2.32e-05	4.75e-06	0.0
864	2	2.09e-04	3.17e-04	-0.05	-1.54e-05	7.64e-06	0.0
864	15	-2.20e-03	1.15e-03	-0.04	-1.04e-05	3.99e-06	0.0
864	17	2.45e-03	4.21e-04	-0.04	-1.01e-05	4.73e-06	0.0
864	21	8.09e-04	2.75e-03	-0.04	-1.16e-05	4.48e-06	0.0
864	47	-3.57e-03	1.71e-03	-0.04	-1.08e-05	3.77e-06	0.0
864	49	3.82e-03	5.52e-04	-0.04	-1.03e-05	4.95e-06	0.0
864	53	1.21e-03	4.26e-03	-0.04	-1.28e-05	4.55e-06	0.0
864	70	1.56e-04	2.37e-04	-0.04	-1.15e-05	5.67e-06	0.0
864	72	1.30e-04	2.07e-04	-0.04	-1.01e-05	4.62e-06	0.0
865	2	2.23e-04	1.35e-03	-0.05	-6.62e-05	8.41e-06	0.0
865	17	2.49e-03	1.07e-03	-0.04	-4.21e-05	5.39e-06	0.0
865	27	-5.98e-04	3.42e-03	-0.04	-4.45e-05	4.74e-06	0.0
865	49	3.88e-03	1.20e-03	-0.04	-4.24e-05	5.72e-06	0.0
865	59	-1.03e-03	4.94e-03	-0.04	-4.61e-05	4.69e-06	0.0
865	70	1.67e-04	1.01e-03	-0.04	-4.96e-05	6.24e-06	0.0
865	72	1.39e-04	8.79e-04	-0.04	-4.32e-05	5.10e-06	0.0
866	2	2.53e-04	2.36e-03	-0.05	-1.16e-04	9.98e-06	0.0
866	17	2.55e-03	1.71e-03	-0.04	-7.36e-05	6.64e-06	0.0
866	27	-6.10e-04	4.09e-03	-0.04	-7.76e-05	5.71e-06	0.0
866	49	3.96e-03	1.85e-03	-0.04	-7.41e-05	7.18e-06	0.0
866	59	-1.06e-03	5.63e-03	-0.04	-8.05e-05	5.69e-06	0.0
866	70	1.89e-04	1.77e-03	-0.04	-8.68e-05	7.42e-06	0.0
866	72	1.57e-04	1.54e-03	-0.04	-7.56e-05	6.07e-06	0.0
867	2	2.87e-04	3.32e-03	-0.06	-1.63e-04	1.18e-05	0.0
867	17	2.61e-03	2.32e-03	-0.04	-1.04e-04	8.18e-06	0.0
867	21	7.83e-04	4.75e-03	-0.04	-1.10e-04	7.53e-06	0.0
867	27	-6.19e-04	4.75e-03	-0.04	-1.10e-04	6.90e-06	0.0
867	49	4.05e-03	2.47e-03	-0.04	-1.06e-04	9.01e-06	0.0
867	53	1.14e-03	6.33e-03	-0.05	-1.15e-04	7.97e-06	0.0
867	59	-1.08e-03	6.33e-03	-0.05	-1.15e-04	6.97e-06	0.0
867	70	2.14e-04	2.48e-03	-0.05	-1.22e-04	8.79e-06	0.0
867	72	1.78e-04	2.16e-03	-0.04	-1.06e-04	7.18e-06	0.0
868	2	3.04e-04	4.17e-03	-0.07	-2.05e-04	1.27e-05	0.0
868	17	2.66e-03	2.87e-03	-0.05	-1.32e-04	9.18e-06	0.0
868	21	7.71e-04	5.37e-03	-0.05	-1.41e-04	8.40e-06	0.0
868	23	-6.01e-04	5.25e-03	-0.05	-1.40e-04	7.66e-06	0.0
868	49	4.13e-03	3.03e-03	-0.05	-1.34e-04	1.04e-05	0.0
868	53	1.12e-03	7.00e-03	-0.05	-1.48e-04	9.17e-06	0.0
868	55	-1.06e-03	6.80e-03	-0.05	-1.47e-04	8.00e-06	0.0
868	70	2.26e-04	3.12e-03	-0.05	-1.53e-04	9.39e-06	0.0
868	72	1.86e-04	2.71e-03	-0.05	-1.33e-04	7.56e-06	0.0
869	2	2.64e-04	4.81e-03	-0.08	-2.36e-04	1.04e-05	0.0
869	17	2.67e-03	3.29e-03	-0.06	-1.52e-04	7.78e-06	0.0
869	21	7.20e-04	5.87e-03	-0.06	-1.65e-04	6.94e-06	0.0
869	23	-6.48e-04	5.75e-03	-0.06	-1.64e-04	6.10e-06	0.0
869	49	4.15e-03	3.46e-03	-0.06	-1.55e-04	9.18e-06	0.0
869	53	1.06e-03	7.56e-03	-0.06	-1.75e-04	7.84e-06	0.0
869	55	-1.12e-03	7.37e-03	-0.06	-1.74e-04	6.51e-06	0.0
869	70	1.95e-04	3.60e-03	-0.06	-1.77e-04	7.62e-06	0.0



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869	72	1.56e-04	3.12e-03	-0.06	-1.53e-04	5.85e-06	0.0
870	2	1.60e-04	5.09e-03	-0.09	-2.49e-04	5.63e-06	0.0
870	17	2.63e-03	3.46e-03	-0.07	-1.61e-04	3.96e-06	0.0
870	27	-7.93e-04	6.10e-03	-0.07	-1.75e-04	0.0	0.0
870	49	4.14e-03	3.63e-03	-0.07	-1.63e-04	4.93e-06	0.0
870	59	-1.31e-03	7.83e-03	-0.07	-1.87e-04	-2.86e-06	0.0
870	70	1.17e-04	3.81e-03	-0.07	-1.87e-04	4.06e-06	0.0
870	72	8.62e-05	3.30e-03	-0.07	-1.62e-04	2.66e-06	0.0
871	2	3.50e-04	-5.05e-03	-0.09	2.48e-04	1.61e-05	0.0
871	10	2.69e-03	-3.42e-03	-0.07	1.60e-04	7.11e-06	0.0
871	22	7.75e-04	-5.92e-03	-0.07	1.74e-04	5.69e-06	0.0
871	26	7.27e-04	-6.05e-03	-0.07	1.74e-04	5.78e-06	0.0
871	42	4.17e-03	-3.58e-03	-0.07	1.62e-04	6.34e-06	0.0
871	54	1.12e-03	-7.57e-03	-0.07	1.86e-04	4.06e-06	0.0
871	58	1.04e-03	-7.77e-03	-0.07	1.85e-04	4.22e-06	0.0
871	70	2.59e-04	-3.77e-03	-0.07	1.86e-04	1.18e-05	0.0
871	72	2.04e-04	-3.27e-03	-0.07	1.61e-04	9.12e-06	0.0
872	2	3.42e-04	-4.91e-03	-0.09	2.42e-04	1.54e-05	0.0
872	10	2.68e-03	-3.33e-03	-0.06	1.55e-04	7.32e-06	0.0
872	26	7.40e-04	-5.94e-03	-0.06	1.69e-04	6.46e-06	0.0
872	28	-6.11e-04	-5.81e-03	-0.06	1.68e-04	6.58e-06	0.0
872	42	4.15e-03	-3.49e-03	-0.06	1.58e-04	6.84e-06	0.0
872	58	1.07e-03	-7.64e-03	-0.06	1.79e-04	5.45e-06	0.0
872	60	-1.08e-03	-7.43e-03	-0.06	1.78e-04	5.64e-06	0.0
872	70	2.53e-04	-3.68e-03	-0.07	1.81e-04	1.13e-05	0.0
872	72	2.00e-04	-3.18e-03	-0.06	1.57e-04	8.80e-06	0.0
873	2	3.24e-04	-4.44e-03	-0.07	2.19e-04	1.42e-05	0.0
873	10	2.65e-03	-3.03e-03	-0.05	1.41e-04	8.23e-06	0.0
873	26	7.57e-04	-5.58e-03	-0.05	1.51e-04	8.57e-06	0.0
873	28	-6.02e-04	-5.44e-03	-0.05	1.50e-04	8.48e-06	0.0
873	42	4.11e-03	-3.18e-03	-0.05	1.43e-04	8.53e-06	0.0
873	58	1.10e-03	-7.23e-03	-0.06	1.59e-04	9.09e-06	0.0
873	60	-1.06e-03	-7.02e-03	-0.06	1.58e-04	8.95e-06	0.0
873	70	2.40e-04	-3.32e-03	-0.06	1.64e-04	1.05e-05	0.0
873	72	1.93e-04	-2.88e-03	-0.05	1.42e-04	8.24e-06	0.0
874	2	2.88e-04	-3.70e-03	-0.06	1.82e-04	1.21e-05	0.0
874	10	2.60e-03	-2.55e-03	-0.05	1.17e-04	7.41e-06	0.0
874	26	7.62e-04	-5.03e-03	-0.05	1.24e-04	7.20e-06	0.0
874	28	-6.04e-04	-4.90e-03	-0.05	1.24e-04	6.99e-06	0.0
874	42	4.04e-03	-2.69e-03	-0.05	1.18e-04	7.85e-06	0.0
874	58	1.12e-03	-6.63e-03	-0.05	1.30e-04	7.52e-06	0.0
874	60	-1.06e-03	-6.42e-03	-0.05	1.29e-04	7.19e-06	0.0
874	70	2.14e-04	-2.77e-03	-0.05	1.37e-04	8.96e-06	0.0
874	72	1.74e-04	-2.40e-03	-0.05	1.19e-04	7.11e-06	0.0
875	2	2.45e-04	-2.78e-03	-0.06	1.37e-04	9.71e-06	0.0
875	10	2.55e-03	-1.96e-03	-0.04	8.76e-05	6.04e-06	0.0
875	26	7.62e-04	-4.38e-03	-0.04	9.21e-05	5.64e-06	0.0
875	28	-6.09e-04	-4.25e-03	-0.04	9.19e-05	5.42e-06	0.0
875	42	3.97e-03	-2.09e-03	-0.04	8.86e-05	6.46e-06	0.0
875	58	1.13e-03	-5.94e-03	-0.04	9.56e-05	5.83e-06	0.0
875	60	-1.05e-03	-5.74e-03	-0.04	9.53e-05	5.48e-06	0.0
875	70	1.82e-04	-2.08e-03	-0.04	1.03e-04	7.18e-06	0.0
875	72	1.48e-04	-1.81e-03	-0.04	8.94e-05	5.69e-06	0.0
876	2	2.08e-04	-1.78e-03	-0.05	8.77e-05	7.71e-06	0.0
876	10	2.49e-03	-1.33e-03	-0.04	5.60e-05	4.73e-06	0.0
876	24	-6.24e-04	-3.71e-03	-0.04	5.84e-05	4.12e-06	0.0
876	28	-6.10e-04	-3.58e-03	-0.04	5.84e-05	4.18e-06	0.0
876	42	3.89e-03	-1.45e-03	-0.04	5.66e-05	5.06e-06	0.0
876	56	-1.06e-03	-5.23e-03	-0.04	6.04e-05	4.08e-06	0.0
876	60	-1.04e-03	-5.03e-03	-0.04	6.04e-05	4.17e-06	0.0
876	70	1.55e-04	-1.33e-03	-0.04	6.57e-05	5.70e-06	0.0
876	72	1.26e-04	-1.16e-03	-0.04	5.72e-05	4.49e-06	0.0
877	2	1.87e-04	-7.33e-04	-0.05	3.63e-05	6.53e-06	0.0
877	10	2.44e-03	-6.66e-04	-0.04	2.35e-05	3.89e-06	0.0
877	16	-2.20e-03	-9.95e-04	-0.04	2.33e-05	3.22e-06	0.0
877	24	-6.07e-04	-3.02e-03	-0.04	2.49e-05	3.42e-06	0.0
877	42	3.82e-03	-7.88e-04	-0.04	2.39e-05	4.11e-06	0.0
877	48	-3.57e-03	-1.31e-03	-0.04	2.36e-05	3.06e-06	0.0
877	56	-1.03e-03	-4.54e-03	-0.04	2.61e-05	3.37e-06	0.0
877	70	1.39e-04	-5.49e-04	-0.04	2.72e-05	4.82e-06	0.0
877	72	1.13e-04	-4.77e-04	-0.04	2.37e-05	3.77e-06	0.0
878	2	1.83e-04	3.22e-04	-0.05	-1.57e-05	6.31e-06	0.0
878	15	-2.22e-03	1.16e-03	-0.04	-1.06e-05	3.04e-06	0.0
878	17	2.43e-03	4.09e-04	-0.04	-1.03e-05	3.69e-06	0.0
878	21	7.90e-04	2.76e-03	-0.04	-1.18e-05	3.43e-06	0.0
878	47	-3.59e-03	1.73e-03	-0.04	-1.10e-05	2.84e-06	0.0



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878	49	3.80e-03	5.31e-04	-0.04	-1.05e-05	3.88e-06	0.0
878	53	1.19e-03	4.27e-03	-0.04	-1.30e-05	3.47e-06	0.0
878	70	1.36e-04	2.41e-04	-0.04	-1.18e-05	4.65e-06	0.0
878	72	1.11e-04	2.10e-04	-0.04	-1.02e-05	3.63e-06	0.0
879	2	1.98e-04	1.37e-03	-0.05	-6.74e-05	7.07e-06	0.0
879	17	2.47e-03	1.07e-03	-0.04	-4.32e-05	4.21e-06	0.0
879	21	7.71e-04	3.44e-03	-0.04	-4.52e-05	3.96e-06	0.0
879	23	-6.07e-04	3.31e-03	-0.04	-4.51e-05	3.79e-06	0.0
879	49	3.86e-03	1.19e-03	-0.04	-4.37e-05	4.45e-06	0.0
879	53	1.16e-03	4.96e-03	-0.04	-4.68e-05	4.05e-06	0.0
879	55	-1.03e-03	4.75e-03	-0.04	-4.67e-05	3.78e-06	0.0
879	70	1.47e-04	1.03e-03	-0.04	-5.05e-05	5.22e-06	0.0
879	72	1.20e-04	8.93e-04	-0.04	-4.40e-05	4.09e-06	0.0
880	2	2.30e-04	2.39e-03	-0.05	-1.18e-04	8.74e-06	0.0
880	17	2.53e-03	1.72e-03	-0.04	-7.53e-05	5.39e-06	0.0
880	21	7.62e-04	4.12e-03	-0.04	-7.88e-05	5.02e-06	0.0
880	23	-6.09e-04	3.99e-03	-0.04	-7.87e-05	4.82e-06	0.0
880	49	3.94e-03	1.85e-03	-0.04	-7.61e-05	5.75e-06	0.0
880	53	1.13e-03	5.67e-03	-0.04	-8.17e-05	5.16e-06	0.0
880	55	-1.05e-03	5.46e-03	-0.04	-8.15e-05	4.85e-06	0.0
880	70	1.71e-04	1.79e-03	-0.04	-8.82e-05	6.46e-06	0.0
880	72	1.39e-04	1.56e-03	-0.04	-7.68e-05	5.11e-06	0.0
881	2	2.72e-04	3.35e-03	-0.06	-1.65e-04	1.11e-05	0.0
881	17	2.58e-03	2.33e-03	-0.04	-1.06e-04	6.77e-06	0.0
881	21	7.62e-04	4.78e-03	-0.05	-1.11e-04	6.50e-06	0.0
881	23	-6.04e-04	4.65e-03	-0.05	-1.11e-04	6.31e-06	0.0
881	49	4.02e-03	2.47e-03	-0.04	-1.07e-04	7.17e-06	0.0
881	53	1.12e-03	6.36e-03	-0.05	-1.16e-04	6.75e-06	0.0
881	55	-1.05e-03	6.16e-03	-0.05	-1.16e-04	6.44e-06	0.0
881	70	2.02e-04	2.51e-03	-0.05	-1.24e-04	8.18e-06	0.0
881	72	1.65e-04	2.18e-03	-0.04	-1.07e-04	6.50e-06	0.0
882	2	3.14e-04	4.17e-03	-0.07	-2.05e-04	1.34e-05	0.0
882	17	2.64e-03	2.86e-03	-0.05	-1.32e-04	7.85e-06	0.0
882	21	7.60e-04	5.37e-03	-0.05	-1.41e-04	8.00e-06	0.0
882	23	-5.99e-04	5.24e-03	-0.05	-1.40e-04	7.89e-06	0.0
882	49	4.09e-03	3.00e-03	-0.05	-1.34e-04	8.17e-06	0.0
882	53	1.10e-03	7.01e-03	-0.05	-1.48e-04	8.41e-06	0.0
882	55	-1.06e-03	6.79e-03	-0.05	-1.47e-04	8.24e-06	0.0
882	70	2.33e-04	3.12e-03	-0.05	-1.54e-04	9.88e-06	0.0
882	72	1.88e-04	2.71e-03	-0.05	-1.34e-04	7.81e-06	0.0
883	2	3.39e-04	4.75e-03	-0.08	-2.34e-04	1.49e-05	0.0
883	17	2.67e-03	3.23e-03	-0.06	-1.50e-04	7.35e-06	0.0
883	21	7.47e-04	5.81e-03	-0.06	-1.62e-04	9.17e-06	0.0
883	23	-6.03e-04	5.68e-03	-0.06	-1.62e-04	9.24e-06	0.0
883	49	4.13e-03	3.39e-03	-0.06	-1.53e-04	7.03e-06	0.0
883	53	1.08e-03	7.50e-03	-0.06	-1.72e-04	9.89e-06	0.0
883	55	-1.07e-03	7.28e-03	-0.06	-1.71e-04	9.99e-06	0.0
883	70	2.51e-04	3.56e-03	-0.06	-1.75e-04	1.10e-05	0.0
883	72	2.00e-04	3.08e-03	-0.06	-1.52e-04	8.55e-06	0.0
884	2	3.53e-04	5.02e-03	-0.09	-2.47e-04	1.58e-05	0.0
884	17	2.69e-03	3.40e-03	-0.07	-1.59e-04	7.04e-06	0.0
884	21	7.25e-04	6.03e-03	-0.07	-1.73e-04	5.63e-06	0.0
884	25	7.75e-04	5.90e-03	-0.07	-1.73e-04	5.54e-06	0.0
884	49	4.17e-03	3.56e-03	-0.07	-1.61e-04	6.34e-06	0.0
884	53	1.04e-03	7.75e-03	-0.07	-1.84e-04	4.07e-06	0.0
884	57	1.12e-03	7.54e-03	-0.07	-1.84e-04	3.94e-06	0.0
884	70	2.61e-04	3.76e-03	-0.07	-1.85e-04	1.16e-05	0.0
884	72	2.05e-04	3.25e-03	-0.07	-1.60e-04	8.94e-06	0.0
885	2	6.12e-04	-5.15e-03	-0.09	2.53e-04	2.98e-05	0.0
885	10	2.85e-03	-3.45e-03	-0.07	1.62e-04	1.52e-05	0.0
885	26	8.88e-04	-6.10e-03	-0.07	1.76e-04	1.89e-05	0.0
885	28	-4.51e-04	-5.96e-03	-0.07	1.76e-04	1.93e-05	0.0
885	42	4.32e-03	-3.60e-03	-0.07	1.64e-04	1.41e-05	0.0
885	58	1.20e-03	-7.82e-03	-0.07	1.87e-04	2.01e-05	0.0
885	60	-9.24e-04	-7.59e-03	-0.07	1.86e-04	2.07e-05	0.0
885	70	4.55e-04	-3.85e-03	-0.07	1.89e-04	2.21e-05	0.0
885	72	3.72e-04	-3.33e-03	-0.07	1.64e-04	1.80e-05	0.0
886	2	5.25e-04	-5.01e-03	-0.09	2.47e-04	2.51e-05	0.0
886	10	2.79e-03	-3.36e-03	-0.06	1.58e-04	1.29e-05	0.0
886	26	8.47e-04	-5.99e-03	-0.06	1.71e-04	1.24e-05	0.0
886	28	-4.99e-04	-5.85e-03	-0.06	1.70e-04	1.27e-05	0.0
886	42	4.25e-03	-3.51e-03	-0.06	1.60e-04	1.22e-05	0.0
886	58	1.17e-03	-7.69e-03	-0.06	1.81e-04	1.13e-05	0.0
886	60	-9.71e-04	-7.47e-03	-0.06	1.80e-04	1.18e-05	0.0
886	70	3.90e-04	-3.75e-03	-0.07	1.85e-04	1.86e-05	0.0
886	72	3.19e-04	-3.24e-03	-0.06	1.60e-04	1.51e-05	0.0



887	2	3.85e-04	-4.53e-03	-0.08	2.23e-04	1.74e-05	0.0
887	10	2.68e-03	-3.06e-03	-0.05	1.43e-04	9.13e-06	0.0
887	26	7.85e-04	-5.63e-03	-0.05	1.53e-04	8.52e-06	0.0
887	28	-5.70e-04	-5.49e-03	-0.05	1.53e-04	8.64e-06	0.0
887	42	4.14e-03	-3.19e-03	-0.05	1.44e-04	8.83e-06	0.0
887	58	1.12e-03	-7.28e-03	-0.06	1.61e-04	7.85e-06	0.0
887	60	-1.03e-03	-7.06e-03	-0.06	1.61e-04	8.03e-06	0.0
887	70	2.86e-04	-3.39e-03	-0.06	1.67e-04	1.28e-05	0.0
887	72	2.33e-04	-2.94e-03	-0.05	1.45e-04	1.03e-05	0.0
888	2	2.75e-04	-3.78e-03	-0.07	1.86e-04	1.14e-05	0.0
888	10	2.59e-03	-2.57e-03	-0.05	1.19e-04	6.27e-06	0.0
888	26	7.46e-04	-5.08e-03	-0.05	1.26e-04	5.54e-06	0.0
888	28	-6.18e-04	-4.94e-03	-0.05	1.26e-04	5.45e-06	0.0
888	42	4.03e-03	-2.70e-03	-0.05	1.20e-04	6.34e-06	0.0
888	58	1.09e-03	-6.68e-03	-0.05	1.32e-04	5.19e-06	0.0
888	60	-1.07e-03	-6.46e-03	-0.05	1.31e-04	5.05e-06	0.0
888	70	2.04e-04	-2.83e-03	-0.05	1.39e-04	8.38e-06	0.0
888	72	1.65e-04	-2.45e-03	-0.05	1.21e-04	6.58e-06	0.0
889	2	2.00e-04	-2.84e-03	-0.06	1.40e-04	7.34e-06	0.0
889	10	2.52e-03	-1.98e-03	-0.04	8.92e-05	4.15e-06	0.0
889	26	7.28e-04	-4.42e-03	-0.04	9.36e-05	3.51e-06	0.0
889	28	-6.42e-04	-4.28e-03	-0.04	9.34e-05	3.36e-06	0.0
889	42	3.94e-03	-2.10e-03	-0.04	9.02e-05	4.37e-06	0.0
889	58	1.09e-03	-5.98e-03	-0.04	9.72e-05	3.36e-06	0.0
889	60	-1.09e-03	-5.76e-03	-0.04	9.69e-05	3.11e-06	0.0
889	70	1.48e-04	-2.13e-03	-0.04	1.05e-04	5.39e-06	0.0
889	72	1.18e-04	-1.85e-03	-0.04	9.10e-05	4.09e-06	0.0
890	2	1.54e-04	-1.81e-03	-0.05	8.94e-05	4.89e-06	0.0
890	10	2.45e-03	-1.33e-03	-0.04	5.71e-05	2.70e-06	0.0
890	26	7.29e-04	-3.73e-03	-0.04	5.95e-05	2.25e-06	0.0
890	28	-6.48e-04	-3.59e-03	-0.04	5.94e-05	2.11e-06	0.0
890	42	3.85e-03	-1.45e-03	-0.04	5.77e-05	2.92e-06	0.0
890	58	1.11e-03	-5.26e-03	-0.04	6.16e-05	2.21e-06	0.0
890	60	-1.08e-03	-5.04e-03	-0.04	6.14e-05	1.97e-06	0.0
890	70	1.14e-04	-1.36e-03	-0.04	6.69e-05	3.56e-06	0.0
890	72	8.96e-05	-1.18e-03	-0.04	5.82e-05	2.58e-06	0.0
891	2	1.31e-04	-7.49e-04	-0.05	3.70e-05	3.64e-06	0.0
891	10	2.41e-03	-6.61e-04	-0.04	2.40e-05	1.89e-06	0.0
891	16	-2.24e-03	-9.88e-04	-0.04	2.37e-05	1.37e-06	0.0
891	24	-6.45e-04	-3.04e-03	-0.04	2.52e-05	1.47e-06	0.0
891	42	3.78e-03	-7.73e-04	-0.04	2.44e-05	2.06e-06	0.0
891	48	-3.60e-03	-1.30e-03	-0.04	2.40e-05	1.23e-06	0.0
891	56	-1.07e-03	-4.55e-03	-0.04	2.64e-05	1.40e-06	0.0
891	70	9.65e-05	-5.61e-04	-0.04	2.77e-05	2.64e-06	0.0
891	72	7.54e-05	-4.87e-04	-0.04	2.41e-05	1.81e-06	0.0
892	2	1.27e-04	3.27e-04	-0.05	-1.59e-05	3.40e-06	0.0
892	7	-2.24e-03	7.22e-04	-0.04	-1.07e-05	1.22e-06	0.0
892	17	2.39e-03	3.97e-04	-0.04	-1.07e-05	1.72e-06	0.0
892	21	7.52e-04	2.77e-03	-0.04	-1.18e-05	1.48e-06	0.0
892	39	-3.60e-03	1.03e-03	-0.04	-1.11e-05	1.07e-06	0.0
892	49	3.76e-03	5.10e-04	-0.04	-1.11e-05	1.87e-06	0.0
892	53	1.16e-03	4.28e-03	-0.04	-1.29e-05	1.50e-06	0.0
892	70	9.35e-05	2.45e-04	-0.04	-1.19e-05	2.46e-06	0.0
892	72	7.29e-05	2.13e-04	-0.04	-1.04e-05	1.66e-06	0.0
893	2	1.41e-04	1.40e-03	-0.05	-6.87e-05	4.12e-06	0.0
893	17	2.44e-03	1.07e-03	-0.04	-4.40e-05	2.20e-06	0.0
893	21	7.32e-04	3.46e-03	-0.04	-4.59e-05	1.80e-06	0.0
893	23	-6.45e-04	3.32e-03	-0.04	-4.58e-05	1.67e-06	0.0
893	49	3.83e-03	1.19e-03	-0.04	-4.45e-05	2.39e-06	0.0
893	53	1.12e-03	4.98e-03	-0.04	-4.75e-05	1.75e-06	0.0
893	55	-1.07e-03	4.76e-03	-0.04	-4.73e-05	1.55e-06	0.0
893	70	1.04e-04	1.05e-03	-0.04	-5.14e-05	2.99e-06	0.0
893	72	8.19e-05	9.09e-04	-0.04	-4.47e-05	2.11e-06	0.0
894	2	1.77e-04	2.44e-03	-0.05	-1.20e-04	5.97e-06	0.0
894	17	2.49e-03	1.73e-03	-0.04	-7.66e-05	3.31e-06	0.0
894	21	7.24e-04	4.15e-03	-0.04	-8.01e-05	2.73e-06	0.0
894	23	-6.46e-04	4.01e-03	-0.04	-8.00e-05	2.60e-06	0.0
894	49	3.90e-03	1.85e-03	-0.04	-7.74e-05	3.51e-06	0.0
894	53	1.09e-03	5.70e-03	-0.04	-8.30e-05	2.60e-06	0.0
894	55	-1.08e-03	5.48e-03	-0.04	-8.27e-05	2.38e-06	0.0
894	70	1.31e-04	1.83e-03	-0.04	-9.00e-05	4.37e-06	0.0
894	72	1.04e-04	1.59e-03	-0.04	-7.82e-05	3.24e-06	0.0
895	2	2.39e-04	3.42e-03	-0.06	-1.68e-04	9.28e-06	0.0
895	17	2.56e-03	2.35e-03	-0.04	-1.07e-04	5.10e-06	0.0
895	21	7.33e-04	4.83e-03	-0.05	-1.13e-04	4.41e-06	0.0
895	23	-6.31e-04	4.68e-03	-0.05	-1.13e-04	4.32e-06	0.0



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895	49	3.99e-03	2.48e-03	-0.04	-1.09e-04	5.21e-06	0.0
895	53	1.09e-03	6.41e-03	-0.05	-1.18e-04	4.12e-06	0.0
895	55	-1.08e-03	6.19e-03	-0.05	-1.18e-04	3.97e-06	0.0
895	70	1.77e-04	2.56e-03	-0.05	-1.26e-04	6.84e-06	0.0
895	72	1.42e-04	2.22e-03	-0.05	-1.09e-04	5.29e-06	0.0
896	2	3.35e-04	4.26e-03	-0.07	-2.10e-04	1.46e-05	0.0
896	17	2.64e-03	2.88e-03	-0.05	-1.34e-04	7.65e-06	0.0
896	21	7.63e-04	5.42e-03	-0.05	-1.43e-04	7.07e-06	0.0
896	23	-5.92e-04	5.28e-03	-0.05	-1.43e-04	7.15e-06	0.0
896	49	4.09e-03	3.02e-03	-0.05	-1.35e-04	7.46e-06	0.0
896	53	1.10e-03	7.06e-03	-0.05	-1.50e-04	6.52e-06	0.0
896	55	-1.05e-03	6.83e-03	-0.05	-1.49e-04	6.63e-06	0.0
896	70	2.48e-04	3.18e-03	-0.05	-1.57e-04	1.08e-05	0.0
896	72	2.01e-04	2.76e-03	-0.05	-1.36e-04	8.57e-06	0.0
897	2	4.66e-04	4.85e-03	-0.08	-2.38e-04	2.18e-05	0.0
897	17	2.74e-03	3.26e-03	-0.06	-1.52e-04	1.13e-05	0.0
897	21	8.17e-04	5.86e-03	-0.06	-1.64e-04	1.07e-05	0.0
897	23	-5.28e-04	5.72e-03	-0.06	-1.64e-04	1.10e-05	0.0
897	49	4.20e-03	3.40e-03	-0.06	-1.54e-04	1.07e-05	0.0
897	53	1.14e-03	7.54e-03	-0.06	-1.74e-04	9.81e-06	0.0
897	55	-9.97e-04	7.32e-03	-0.06	-1.73e-04	1.02e-05	0.0
897	70	3.46e-04	3.62e-03	-0.06	-1.78e-04	1.61e-05	0.0
897	72	2.83e-04	3.14e-03	-0.06	-1.54e-04	1.30e-05	0.0
898	2	6.17e-04	5.11e-03	-0.09	-2.51e-04	2.95e-05	0.0
898	17	2.85e-03	3.43e-03	-0.07	-1.61e-04	1.51e-05	0.0
898	21	8.88e-04	6.08e-03	-0.07	-1.75e-04	1.88e-05	0.0
898	23	-4.47e-04	5.93e-03	-0.07	-1.74e-04	1.91e-05	0.0
898	49	4.32e-03	3.58e-03	-0.07	-1.63e-04	1.41e-05	0.0
898	53	1.20e-03	7.79e-03	-0.07	-1.86e-04	1.99e-05	0.0
898	55	-9.19e-04	7.56e-03	-0.07	-1.85e-04	2.05e-05	0.0
898	70	4.58e-04	3.82e-03	-0.07	-1.88e-04	2.19e-05	0.0
898	72	3.75e-04	3.31e-03	-0.07	-1.63e-04	1.78e-05	0.0
899	2	6.86e-04	-5.41e-03	-0.10	2.65e-04	3.46e-05	0.0
899	10	2.94e-03	-3.58e-03	-0.07	1.69e-04	2.02e-05	0.0
899	26	9.37e-04	-6.28e-03	-0.07	1.84e-04	2.21e-05	0.0
899	28	-4.17e-04	-6.12e-03	-0.07	1.83e-04	2.18e-05	0.0
899	42	4.44e-03	-3.72e-03	-0.07	1.71e-04	2.03e-05	0.0
899	58	1.25e-03	-8.00e-03	-0.07	1.95e-04	2.33e-05	0.0
899	60	-8.98e-04	-7.76e-03	-0.07	1.94e-04	2.28e-05	0.0
899	70	5.10e-04	-4.04e-03	-0.07	1.98e-04	2.57e-05	0.0
899	72	4.22e-04	-3.49e-03	-0.07	1.71e-04	2.12e-05	0.0
900	2	5.40e-04	-5.29e-03	-0.09	2.59e-04	2.68e-05	0.0
900	10	2.83e-03	-3.51e-03	-0.06	1.64e-04	1.55e-05	0.0
900	26	8.57e-04	-6.17e-03	-0.06	1.78e-04	1.39e-05	0.0
900	28	-4.98e-04	-6.02e-03	-0.06	1.79e-04	1.37e-05	0.0
900	42	4.31e-03	-3.64e-03	-0.06	1.65e-04	1.55e-05	0.0
900	58	1.18e-03	-7.88e-03	-0.06	1.88e-04	1.30e-05	0.0
900	60	-9.76e-04	-7.64e-03	-0.07	1.89e-04	1.27e-05	0.0
900	70	4.02e-04	-3.96e-03	-0.07	1.94e-04	1.99e-05	0.0
900	72	3.32e-04	-3.42e-03	-0.06	1.68e-04	1.64e-05	0.0
901	2	3.28e-04	-4.74e-03	-0.08	2.33e-04	1.45e-05	0.0
901	10	2.68e-03	-3.16e-03	-0.05	1.47e-04	8.57e-06	0.0
901	24	-6.59e-04	-5.76e-03	-0.06	1.59e-04	6.22e-06	0.0
901	28	-6.17e-04	-5.61e-03	-0.06	1.59e-04	6.32e-06	0.0
901	42	4.14e-03	-3.28e-03	-0.05	1.48e-04	8.89e-06	0.0
901	56	-1.16e-03	-7.42e-03	-0.06	1.67e-04	5.16e-06	0.0
901	60	-1.09e-03	-7.17e-03	-0.06	1.67e-04	5.32e-06	0.0
901	70	2.43e-04	-3.55e-03	-0.06	1.74e-04	1.07e-05	0.0
901	72	1.97e-04	-3.07e-03	-0.05	1.51e-04	8.56e-06	0.0
902	2	1.77e-04	-3.90e-03	-0.07	1.92e-04	6.35e-06	0.0
902	10	2.55e-03	-2.63e-03	-0.05	1.22e-04	3.74e-06	0.0
902	26	6.82e-04	-5.15e-03	-0.05	1.29e-04	2.17e-06	0.0
902	28	-6.87e-04	-5.00e-03	-0.05	1.29e-04	1.84e-06	0.0
902	42	4.00e-03	-2.75e-03	-0.05	1.23e-04	4.14e-06	0.0
902	58	1.03e-03	-6.75e-03	-0.05	1.34e-04	1.63e-06	0.0
902	60	-1.15e-03	-6.52e-03	-0.05	1.34e-04	1.12e-06	0.0
902	70	1.31e-04	-2.92e-03	-0.05	1.43e-04	4.63e-06	0.0
902	72	1.02e-04	-2.53e-03	-0.05	1.24e-04	3.39e-06	0.0
903	2	9.62e-05	-2.91e-03	-0.06	1.43e-04	2.05e-06	0.0
903	10	2.46e-03	-2.01e-03	-0.04	9.11e-05	1.03e-06	0.0
903	26	6.61e-04	-4.47e-03	-0.04	9.53e-05	0.0	0.0
903	28	-7.11e-04	-4.32e-03	-0.04	9.51e-05	0.0	0.0
903	42	3.88e-03	-2.12e-03	-0.04	9.21e-05	1.35e-06	0.0
903	58	1.02e-03	-6.03e-03	-0.04	9.86e-05	0.0	0.0
903	60	-1.16e-03	-5.79e-03	-0.04	9.83e-05	0.0	0.0
903	70	7.03e-05	-2.18e-03	-0.04	1.07e-04	1.42e-06	0.0



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903	72	5.11e-05	-1.89e-03	-0.04	9.31e-05	0.0	0.0
904	2	5.66e-05	-1.85e-03	-0.05	9.11e-05	0.0	0.0
904	10	2.40e-03	-1.34e-03	-0.04	5.82e-05	0.0	0.0
904	26	6.66e-04	-3.76e-03	-0.04	6.04e-05	0.0	0.0
904	28	-7.10e-04	-3.61e-03	-0.04	6.02e-05	-1.09e-06	0.0
904	42	3.79e-03	-1.45e-03	-0.04	5.89e-05	0.0	0.0
904	58	1.05e-03	-5.29e-03	-0.04	6.23e-05	-1.05e-06	0.0
904	60	-1.14e-03	-5.05e-03	-0.04	6.21e-05	-1.29e-06	0.0
904	70	4.08e-05	-1.39e-03	-0.04	6.82e-05	0.0	0.0
904	72	2.64e-05	-1.20e-03	-0.04	5.92e-05	0.0	0.0
905	2	4.00e-05	-7.63e-04	-0.05	3.77e-05	0.0	0.0
905	10	2.35e-03	-6.54e-04	-0.04	2.44e-05	-1.03e-06	0.0
905	16	-2.30e-03	-9.80e-04	-0.04	2.40e-05	-1.47e-06	0.0
905	26	6.86e-04	-3.05e-03	-0.04	2.56e-05	-1.29e-06	0.0
905	42	3.73e-03	-7.58e-04	-0.04	2.49e-05	0.0	0.0
905	48	-3.66e-03	-1.28e-03	-0.04	2.42e-05	-1.59e-06	0.0
905	58	1.08e-03	-4.57e-03	-0.04	2.68e-05	-1.30e-06	0.0
905	70	2.84e-05	-5.71e-04	-0.04	2.82e-05	0.0	0.0
905	72	1.62e-05	-4.96e-04	-0.04	2.45e-05	-1.17e-06	0.0
906	2	3.73e-05	3.32e-04	-0.05	-1.61e-05	-1.10e-06	0.0
906	7	-2.30e-03	7.08e-04	-0.04	-1.08e-05	-1.58e-06	0.0
906	17	2.34e-03	3.85e-04	-0.04	-1.08e-05	-1.17e-06	0.0
906	21	6.96e-04	2.77e-03	-0.04	-1.18e-05	-1.39e-06	0.0
906	39	-3.66e-03	1.00e-03	-0.04	-1.13e-05	-1.69e-06	0.0
906	49	3.71e-03	4.88e-04	-0.04	-1.13e-05	-1.05e-06	0.0
906	53	1.10e-03	4.29e-03	-0.04	-1.28e-05	-1.39e-06	0.0
906	70	2.64e-05	2.48e-04	-0.04	-1.21e-05	0.0	0.0
906	72	1.45e-05	2.15e-04	-0.04	-1.05e-05	-1.29e-06	0.0
907	2	4.66e-05	1.42e-03	-0.05	-6.98e-05	0.0	0.0
907	17	2.38e-03	1.07e-03	-0.04	-4.47e-05	0.0	0.0
907	21	6.71e-04	3.48e-03	-0.04	-4.64e-05	-1.30e-06	0.0
907	23	-7.06e-04	3.33e-03	-0.04	-4.62e-05	-1.42e-06	0.0
907	49	3.77e-03	1.18e-03	-0.04	-4.53e-05	0.0	0.0
907	53	1.06e-03	5.00e-03	-0.04	-4.79e-05	-1.40e-06	0.0
907	55	-1.13e-03	4.76e-03	-0.04	-4.77e-05	-1.60e-06	0.0
907	70	3.34e-05	1.07e-03	-0.04	-5.22e-05	0.0	0.0
907	72	2.03e-05	9.25e-04	-0.04	-4.54e-05	-1.02e-06	0.0
908	2	7.34e-05	2.50e-03	-0.05	-1.23e-04	0.0	0.0
908	17	2.43e-03	1.75e-03	-0.04	-7.81e-05	0.0	0.0
908	21	6.57e-04	4.19e-03	-0.04	-8.13e-05	0.0	0.0
908	23	-7.14e-04	4.04e-03	-0.04	-8.11e-05	0.0	0.0
908	49	3.85e-03	1.86e-03	-0.04	-7.89e-05	0.0	0.0
908	53	1.03e-03	5.74e-03	-0.04	-8.40e-05	0.0	0.0
908	55	-1.15e-03	5.50e-03	-0.04	-8.38e-05	-1.28e-06	0.0
908	70	5.33e-05	1.87e-03	-0.04	-9.17e-05	0.0	0.0
908	72	3.68e-05	1.62e-03	-0.04	-7.97e-05	0.0	0.0
909	2	1.54e-03	5.43e-03	-0.08	-2.65e-04	8.12e-05	0.0
909	17	3.41e-03	4.41e-03	-0.06	-1.66e-04	5.35e-05	0.0
909	31	5.52e-04	6.38e-03	-0.06	-1.83e-04	5.11e-05	0.0
909	35	5.10e-04	6.26e-03	-0.06	-1.84e-04	5.08e-05	0.0
909	49	4.86e-03	5.04e-03	-0.06	-1.68e-04	5.56e-05	0.0
909	63	3.20e-04	8.19e-03	-0.06	-1.96e-04	5.18e-05	0.0
909	67	2.54e-04	7.99e-03	-0.06	-1.96e-04	5.13e-05	0.0
909	70	1.15e-03	4.06e-03	-0.06	-1.98e-04	6.07e-05	0.0
909	72	9.86e-04	3.47e-03	-0.06	-1.69e-04	5.21e-05	0.0
910	2	2.21e-03	5.77e-03	-0.10	-2.81e-04	1.16e-04	0.0
910	17	3.87e-03	4.63e-03	-0.07	-1.77e-04	7.62e-05	0.0
910	31	1.09e-03	6.67e-03	-0.07	-1.97e-04	7.62e-05	0.0
910	35	1.04e-03	6.54e-03	-0.07	-1.97e-04	7.59e-05	0.0
910	49	5.36e-03	5.29e-03	-0.07	-1.80e-04	7.95e-05	0.0
910	63	9.34e-04	8.53e-03	-0.07	-2.12e-04	7.95e-05	0.0
910	67	8.57e-04	8.33e-03	-0.07	-2.13e-04	7.90e-05	0.0
910	70	1.65e-03	4.31e-03	-0.07	-2.10e-04	8.64e-05	0.0
910	72	1.41e-03	3.67e-03	-0.07	-1.79e-04	7.38e-05	0.0
911	2	-2.36e-03	4.85e-03	-0.11	-2.38e-04	-1.32e-04	0.0
911	15	-4.69e-03	3.15e-03	-0.08	-1.59e-04	-1.15e-04	0.0
911	31	-2.04e-03	6.52e-03	-0.08	-1.74e-04	-9.62e-05	0.0
911	35	-2.15e-03	6.30e-03	-0.08	-1.74e-04	-9.86e-05	0.0
911	47	-6.51e-03	3.19e-03	-0.08	-1.64e-04	-1.32e-04	0.0
911	63	-2.30e-03	8.55e-03	-0.08	-1.88e-04	-1.02e-04	0.0
911	67	-2.48e-03	8.20e-03	-0.08	-1.88e-04	-1.06e-04	0.0
911	70	-1.78e-03	3.64e-03	-0.08	-1.78e-04	-9.63e-05	0.0
911	72	-1.64e-03	3.18e-03	-0.08	-1.56e-04	-8.78e-05	0.0
912	2	4.14e-04	5.76e-03	-0.11	-2.81e-04	2.16e-05	0.0
912	17	2.99e-03	4.36e-03	-0.08	-1.78e-04	2.47e-05	0.0
912	31	-4.48e-05	6.12e-03	-0.08	-1.96e-04	1.29e-05	0.0



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912	35	-1.07e-04	6.07e-03	-0.08	-1.96e-04	1.19e-05	0.0
912	49	4.61e-03	4.86e-03	-0.08	-1.81e-04	3.12e-05	0.0
912	63	-2.24e-04	7.65e-03	-0.08	-2.10e-04	1.25e-05	0.0
912	67	-3.22e-04	7.58e-03	-0.08	-2.10e-04	1.09e-05	0.0
912	70	3.10e-04	4.30e-03	-0.08	-2.09e-04	1.62e-05	0.0
912	72	2.70e-04	3.67e-03	-0.08	-1.79e-04	1.41e-05	0.0
913	2	-5.23e-04	5.65e-03	-0.11	-2.82e-04	-2.42e-05	0.0
913	20	-3.02e-03	2.78e-03	-0.07	-1.66e-04	-2.43e-05	0.0
913	23	-1.27e-03	6.08e-03	-0.08	-1.97e-04	-1.82e-05	0.0
913	25	2.22e-04	6.08e-03	-0.08	-1.98e-04	-1.33e-05	0.0
913	52	-4.61e-03	2.39e-03	-0.07	-1.62e-04	-2.97e-05	0.0
913	55	-1.82e-03	7.64e-03	-0.08	-2.12e-04	-1.99e-05	0.0
913	57	5.47e-04	7.63e-03	-0.08	-2.13e-04	-1.22e-05	0.0
913	70	-3.92e-04	4.22e-03	-0.08	-2.11e-04	-1.81e-05	0.0
913	72	-3.40e-04	3.60e-03	-0.08	-1.80e-04	-1.58e-05	0.0
914	2	3.15e-04	5.67e-03	-0.11	-2.83e-04	1.77e-05	0.0
914	17	2.93e-03	3.90e-03	-0.08	-1.77e-04	2.06e-05	0.0
914	27	-6.81e-04	6.40e-03	-0.08	-2.02e-04	1.04e-05	0.0
914	49	4.53e-03	4.15e-03	-0.08	-1.80e-04	2.57e-05	0.0
914	59	-1.21e-03	8.13e-03	-0.08	-2.18e-04	9.49e-06	0.0
914	70	2.39e-04	4.23e-03	-0.09	-2.12e-04	1.34e-05	0.0
914	72	2.22e-04	3.62e-03	-0.08	-1.81e-04	1.22e-05	0.0
915	2	5.09e-04	5.12e-03	-0.11	-2.51e-04	2.50e-05	0.0
915	17	3.11e-03	3.49e-03	-0.07	-1.59e-04	2.52e-05	0.0
915	27	-6.28e-04	6.17e-03	-0.08	-1.80e-04	1.48e-05	0.0
915	49	4.76e-03	3.66e-03	-0.07	-1.61e-04	3.09e-05	0.0
915	59	-1.19e-03	7.93e-03	-0.08	-1.94e-04	1.42e-05	0.0
915	70	3.82e-04	3.83e-03	-0.08	-1.88e-04	1.88e-05	0.0
915	72	3.36e-04	3.31e-03	-0.07	-1.63e-04	1.63e-05	0.0
916	2	-6.37e-04	5.53e-03	-0.11	-2.77e-04	-3.79e-05	0.0
916	20	-3.19e-03	3.19e-03	-0.07	-1.65e-04	-3.20e-05	0.0
916	21	9.68e-05	6.37e-03	-0.08	-1.93e-04	-2.53e-05	0.0
916	25	1.82e-04	6.19e-03	-0.08	-1.93e-04	-2.45e-05	0.0
916	52	-4.83e-03	3.05e-03	-0.07	-1.61e-04	-3.64e-05	0.0
916	53	3.97e-04	8.11e-03	-0.08	-2.06e-04	-2.58e-05	0.0
916	57	5.33e-04	7.83e-03	-0.08	-2.06e-04	-2.46e-05	0.0
916	70	-4.80e-04	4.13e-03	-0.08	-2.07e-04	-2.85e-05	0.0
916	72	-4.26e-04	3.56e-03	-0.08	-1.78e-04	-2.52e-05	0.0
917	2	-2.88e-03	4.50e-03	-0.10	-2.18e-04	-1.48e-04	0.0
917	15	-4.92e-03	3.48e-03	-0.07	-1.46e-04	-1.24e-04	0.0
917	31	-3.00e-03	6.23e-03	-0.07	-1.60e-04	-1.10e-04	0.0
917	35	-3.10e-03	6.18e-03	-0.07	-1.60e-04	-1.12e-04	0.0
917	47	-6.68e-03	3.85e-03	-0.07	-1.51e-04	-1.40e-04	0.0
917	63	-3.63e-03	8.24e-03	-0.08	-1.72e-04	-1.17e-04	0.0
917	67	-3.79e-03	8.14e-03	-0.08	-1.73e-04	-1.20e-04	0.0
917	70	-2.17e-03	3.37e-03	-0.08	-1.64e-04	-1.11e-04	0.0
917	72	-1.98e-03	2.94e-03	-0.07	-1.43e-04	-1.01e-04	0.0
918	2	-2.53e-03	3.96e-03	-0.09	-1.93e-04	-1.30e-04	0.0
918	15	-4.46e-03	2.58e-03	-0.07	-1.26e-04	-1.03e-04	0.0
918	31	-2.73e-03	5.78e-03	-0.07	-1.39e-04	-9.73e-05	0.0
918	35	-2.80e-03	5.57e-03	-0.07	-1.39e-04	-9.84e-05	0.0
918	47	-6.08e-03	2.63e-03	-0.07	-1.29e-04	-1.12e-04	0.0
918	63	-3.33e-03	7.71e-03	-0.07	-1.50e-04	-1.03e-04	0.0
918	67	-3.45e-03	7.39e-03	-0.07	-1.50e-04	-1.05e-04	0.0
918	70	-1.91e-03	2.97e-03	-0.07	-1.45e-04	-9.81e-05	0.0
918	72	-1.75e-03	2.59e-03	-0.07	-1.27e-04	-8.93e-05	0.0
919	2	-1.81e-03	3.47e-03	-0.09	-1.72e-04	-9.21e-05	0.0
919	15	-3.86e-03	2.26e-03	-0.06	-1.11e-04	-7.23e-05	0.0
919	31	-1.61e-03	5.35e-03	-0.06	-1.22e-04	-7.02e-05	0.0
919	35	-1.67e-03	5.15e-03	-0.06	-1.22e-04	-7.07e-05	0.0
919	47	-5.41e-03	2.30e-03	-0.06	-1.13e-04	-7.78e-05	0.0
919	63	-1.83e-03	7.21e-03	-0.07	-1.30e-04	-7.46e-05	0.0
919	67	-1.93e-03	6.91e-03	-0.07	-1.30e-04	-7.54e-05	0.0
919	70	-1.37e-03	2.60e-03	-0.07	-1.29e-04	-6.96e-05	0.0
919	72	-1.26e-03	2.27e-03	-0.06	-1.12e-04	-6.41e-05	0.0
920	2	-8.81e-04	3.19e-03	-0.08	-1.59e-04	-4.41e-05	0.0
920	20	-3.18e-03	8.00e-04	-0.06	-9.65e-05	-3.51e-05	0.0
920	31	-9.70e-04	5.08e-03	-0.06	-1.12e-04	-3.70e-05	0.0
920	35	-1.03e-03	4.90e-03	-0.06	-1.12e-04	-3.72e-05	0.0
920	52	-4.67e-03	9.70e-05	-0.06	-9.47e-05	-3.68e-05	0.0
920	63	-1.16e-03	6.90e-03	-0.06	-1.19e-04	-3.99e-05	0.0
920	67	-1.25e-03	6.61e-03	-0.06	-1.19e-04	-4.01e-05	0.0
920	70	-6.72e-04	2.39e-03	-0.06	-1.19e-04	-3.36e-05	0.0
920	72	-6.51e-04	2.07e-03	-0.06	-1.03e-04	-3.25e-05	0.0
921	2	1.20e-04	3.12e-03	-0.08	-1.56e-04	7.43e-06	0.0
921	4	1.25e-04	2.52e-03	-0.06	-1.26e-04	7.39e-06	0.0



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921	20	-2.48e-03	7.81e-04	-0.06	-9.44e-05	0.0	0.0
921	31	-2.86e-04	4.98e-03	-0.06	-1.09e-04	-3.26e-06	0.0
921	35	-3.36e-04	4.81e-03	-0.06	-1.09e-04	-3.24e-06	0.0
921	52	-3.94e-03	9.72e-05	-0.06	-9.28e-05	0.0	0.0
921	63	-4.49e-04	6.77e-03	-0.06	-1.16e-04	-5.48e-06	0.0
921	67	-5.29e-04	6.50e-03	-0.06	-1.16e-04	-5.43e-06	0.0
921	70	7.98e-05	2.34e-03	-0.06	-1.17e-04	5.07e-06	0.0
921	72	9.22e-06	2.02e-03	-0.06	-1.01e-04	1.48e-06	0.0
922	2	1.11e-03	3.27e-03	-0.08	-1.63e-04	5.80e-05	0.0
922	17	3.06e-03	3.16e-03	-0.06	-1.04e-04	3.28e-05	0.0
922	31	3.86e-04	5.04e-03	-0.06	-1.14e-04	3.77e-05	0.0
922	35	3.39e-04	4.88e-03	-0.06	-1.14e-04	3.80e-05	0.0
922	49	4.50e-03	3.82e-03	-0.06	-1.05e-04	3.29e-05	0.0
922	63	2.50e-04	6.82e-03	-0.06	-1.21e-04	4.07e-05	0.0
922	67	1.76e-04	6.56e-03	-0.06	-1.21e-04	4.11e-05	0.0
922	70	8.19e-04	2.45e-03	-0.06	-1.22e-04	4.30e-05	0.0
922	72	6.57e-04	2.11e-03	-0.06	-1.05e-04	3.47e-05	0.0
923	2	1.98e-03	3.64e-03	-0.09	-1.81e-04	1.03e-04	0.0
923	17	3.61e-03	3.35e-03	-0.06	-1.14e-04	6.13e-05	0.0
923	31	9.87e-04	5.26e-03	-0.06	-1.26e-04	6.87e-05	0.0
923	35	9.42e-04	5.11e-03	-0.06	-1.26e-04	6.89e-05	0.0
923	49	5.04e-03	4.00e-03	-0.06	-1.15e-04	6.14e-05	0.0
923	63	8.76e-04	7.04e-03	-0.07	-1.34e-04	7.30e-05	0.0
923	67	8.05e-04	6.80e-03	-0.07	-1.35e-04	7.35e-05	0.0
923	70	1.48e-03	2.72e-03	-0.07	-1.35e-04	7.70e-05	0.0
923	72	1.23e-03	2.33e-03	-0.06	-1.16e-04	6.44e-05	0.0
924	2	2.65e-03	4.22e-03	-0.10	-2.09e-04	1.38e-04	0.0
924	17	4.05e-03	3.68e-03	-0.07	-1.31e-04	8.41e-05	0.0
924	31	1.44e-03	5.63e-03	-0.07	-1.46e-04	9.24e-05	0.0
924	35	1.40e-03	5.49e-03	-0.07	-1.46e-04	9.26e-05	0.0
924	49	5.49e-03	4.33e-03	-0.07	-1.32e-04	8.48e-05	0.0
924	63	1.35e-03	7.43e-03	-0.07	-1.56e-04	9.80e-05	0.0
924	67	1.28e-03	7.21e-03	-0.07	-1.56e-04	9.84e-05	0.0
924	70	1.97e-03	3.15e-03	-0.07	-1.56e-04	1.03e-04	0.0
924	72	1.67e-03	2.70e-03	-0.07	-1.33e-04	8.69e-05	0.0
925	2	2.92e-03	4.98e-03	-0.10	-2.44e-04	1.52e-04	0.0
925	17	4.27e-03	4.14e-03	-0.07	-1.53e-04	9.63e-05	0.0
925	31	1.65e-03	6.16e-03	-0.07	-1.72e-04	1.03e-04	0.0
925	35	1.60e-03	6.02e-03	-0.07	-1.72e-04	1.03e-04	0.0
925	49	5.75e-03	4.79e-03	-0.07	-1.55e-04	9.85e-05	0.0
925	63	1.58e-03	7.99e-03	-0.08	-1.85e-04	1.10e-04	0.0
925	67	1.50e-03	7.78e-03	-0.08	-1.86e-04	1.10e-04	0.0
925	70	2.18e-03	3.72e-03	-0.08	-1.82e-04	1.14e-04	0.0
925	72	1.86e-03	3.17e-03	-0.07	-1.56e-04	9.68e-05	0.0
926	2	6.33e-04	6.14e-03	-0.12	-3.01e-04	4.06e-05	0.0
926	17	3.13e-03	4.90e-03	-0.08	-1.92e-04	3.75e-05	0.0
926	29	1.54e-03	6.86e-03	-0.08	-2.16e-04	3.12e-05	0.0
926	33	1.62e-03	6.98e-03	-0.08	-2.16e-04	3.23e-05	0.0
926	49	4.75e-03	5.59e-03	-0.08	-1.97e-04	4.51e-05	0.0
926	61	2.23e-03	8.71e-03	-0.09	-2.36e-04	3.52e-05	0.0
926	65	2.35e-03	8.91e-03	-0.09	-2.36e-04	3.69e-05	0.0
926	70	4.72e-04	4.58e-03	-0.09	-2.25e-04	3.03e-05	0.0
926	72	3.96e-04	3.89e-03	-0.08	-1.91e-04	2.57e-05	0.0
927	2	-1.74e-03	-5.06e-03	-0.11	2.52e-04	-9.58e-05	0.0
927	11	-3.79e-03	-2.93e-03	-0.07	1.49e-04	-6.50e-05	0.0
927	22	-5.47e-04	-5.90e-03	-0.08	1.77e-04	-6.33e-05	0.0
927	26	-6.24e-04	-6.08e-03	-0.08	1.77e-04	-6.39e-05	0.0
927	43	-5.39e-03	-2.82e-03	-0.07	1.45e-04	-6.81e-05	0.0
927	54	-2.31e-04	-7.54e-03	-0.08	1.90e-04	-6.55e-05	0.0
927	58	-3.55e-04	-7.83e-03	-0.08	1.90e-04	-6.64e-05	0.0
927	70	-1.30e-03	-3.78e-03	-0.08	1.89e-04	-7.18e-05	0.0
927	72	-1.13e-03	-3.25e-03	-0.07	1.62e-04	-6.21e-05	0.0
928	2	-7.06e-04	5.93e-03	-0.12	-2.93e-04	-4.47e-05	0.0
928	15	-3.12e-03	3.95e-03	-0.08	-1.83e-04	-3.84e-05	0.0
928	31	-8.09e-04	6.81e-03	-0.08	-2.11e-04	-3.29e-05	0.0
928	33	6.73e-04	6.80e-03	-0.08	-2.12e-04	-2.76e-05	0.0
928	47	-4.71e-03	4.16e-03	-0.08	-1.85e-04	-4.50e-05	0.0
928	63	-1.03e-03	8.71e-03	-0.09	-2.31e-04	-3.64e-05	0.0
928	65	1.32e-03	8.69e-03	-0.09	-2.32e-04	-2.78e-05	0.0
928	70	-5.27e-04	4.42e-03	-0.09	-2.19e-04	-3.34e-05	0.0
928	72	-4.48e-04	3.75e-03	-0.08	-1.86e-04	-2.84e-05	0.0
929	2	-2.45e-03	5.73e-03	-0.11	-2.79e-04	-1.27e-04	0.0
929	15	-3.99e-03	3.80e-03	-0.07	-1.72e-04	-8.14e-05	0.0
929	33	-1.06e-03	6.60e-03	-0.08	-2.00e-04	-8.74e-05	0.0
929	47	-5.45e-03	3.98e-03	-0.07	-1.73e-04	-8.36e-05	0.0
929	65	-7.93e-04	8.44e-03	-0.08	-2.17e-04	-9.31e-05	0.0



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929	70	-1.84e-03	4.27e-03	-0.08	-2.09e-04	-9.53e-05	0.0
929	72	-1.57e-03	3.64e-03	-0.08	-1.78e-04	-8.13e-05	0.0
930	2	-2.73e-03	4.93e-03	-0.10	-2.42e-04	-1.40e-04	0.0
930	15	-4.06e-03	3.31e-03	-0.07	-1.48e-04	-8.49e-05	0.0
930	33	-1.25e-03	5.93e-03	-0.07	-1.71e-04	-9.66e-05	0.0
930	47	-5.47e-03	3.48e-03	-0.07	-1.49e-04	-8.45e-05	0.0
930	65	-1.01e-03	7.66e-03	-0.08	-1.84e-04	-1.03e-04	0.0
930	70	-2.04e-03	3.68e-03	-0.08	-1.81e-04	-1.05e-04	0.0
930	72	-1.75e-03	3.14e-03	-0.07	-1.54e-04	-8.94e-05	0.0
931	2	-2.39e-03	4.24e-03	-0.10	-2.10e-04	-1.22e-04	0.0
931	15	-3.79e-03	2.90e-03	-0.07	-1.29e-04	-7.06e-05	0.0
931	33	-5.09e-04	5.37e-03	-0.07	-1.46e-04	-8.41e-05	0.0
931	47	-5.16e-03	3.09e-03	-0.07	-1.29e-04	-6.85e-05	0.0
931	65	4.92e-05	7.01e-03	-0.07	-1.57e-04	-9.00e-05	0.0
931	70	-1.78e-03	3.16e-03	-0.07	-1.56e-04	-9.09e-05	0.0
931	72	-1.52e-03	2.70e-03	-0.07	-1.34e-04	-7.75e-05	0.0
932	2	-1.70e-03	3.74e-03	-0.09	-1.86e-04	-8.60e-05	0.0
932	15	-3.33e-03	2.63e-03	-0.06	-1.15e-04	-4.70e-05	0.0
932	33	-7.30e-05	4.96e-03	-0.07	-1.28e-04	-6.02e-05	0.0
932	47	-4.68e-03	2.83e-03	-0.06	-1.15e-04	-4.39e-05	0.0
932	65	4.93e-04	6.54e-03	-0.07	-1.37e-04	-6.50e-05	0.0
932	70	-1.27e-03	2.79e-03	-0.07	-1.39e-04	-6.43e-05	0.0
932	72	-1.08e-03	2.39e-03	-0.06	-1.19e-04	-5.46e-05	0.0
933	2	-8.38e-04	3.46e-03	-0.09	-1.73e-04	-4.17e-05	0.0
933	20	-2.78e-03	1.21e-03	-0.06	-1.02e-04	-1.70e-05	0.0
933	29	4.58e-04	4.63e-03	-0.06	-1.18e-04	-3.00e-05	0.0
933	33	4.84e-04	4.71e-03	-0.06	-1.18e-04	-3.06e-05	0.0
933	52	-4.13e-03	6.75e-04	-0.06	-9.93e-05	-1.24e-05	0.0
933	61	1.02e-03	6.11e-03	-0.06	-1.26e-04	-3.30e-05	0.0
933	65	1.07e-03	6.24e-03	-0.06	-1.26e-04	-3.40e-05	0.0
933	70	-6.25e-04	2.58e-03	-0.07	-1.29e-04	-3.11e-05	0.0
933	72	-5.26e-04	2.21e-03	-0.06	-1.10e-04	-2.61e-05	0.0
934	1	8.81e-05	2.72e-03	-0.08	-1.36e-04	5.66e-06	0.0
934	2	8.34e-05	3.41e-03	-0.09	-1.70e-04	5.66e-06	0.0
934	17	2.36e-03	2.95e-03	-0.06	-1.07e-04	-1.65e-06	0.0
934	31	-1.96e-04	4.63e-03	-0.06	-1.16e-04	7.67e-06	0.0
934	35	-2.22e-04	4.55e-03	-0.06	-1.16e-04	8.26e-06	0.0
934	49	3.71e-03	3.47e-03	-0.06	-1.08e-04	-5.20e-06	0.0
934	63	-3.52e-04	6.13e-03	-0.06	-1.23e-04	9.63e-06	0.0
934	67	-3.93e-04	6.01e-03	-0.06	-1.23e-04	1.06e-05	0.0
934	69	6.76e-05	2.09e-03	-0.06	-1.04e-04	4.35e-06	0.0
934	70	6.44e-05	2.54e-03	-0.06	-1.27e-04	4.35e-06	0.0
934	71	6.76e-05	2.09e-03	-0.06	-1.04e-04	4.35e-06	0.0
934	72	6.70e-05	2.18e-03	-0.06	-1.09e-04	4.35e-06	0.0
935	2	9.64e-04	3.57e-03	-0.09	-1.77e-04	5.09e-05	0.0
935	17	2.93e-03	3.03e-03	-0.06	-1.11e-04	2.72e-05	0.0
935	31	3.82e-04	4.71e-03	-0.06	-1.22e-04	3.63e-05	0.0
935	35	3.56e-04	4.64e-03	-0.06	-1.22e-04	3.68e-05	0.0
935	49	4.30e-03	3.52e-03	-0.06	-1.12e-04	2.42e-05	0.0
935	63	2.46e-04	6.20e-03	-0.06	-1.29e-04	3.87e-05	0.0
935	67	2.05e-04	6.09e-03	-0.06	-1.30e-04	3.95e-05	0.0
935	70	7.24e-04	2.66e-03	-0.07	-1.32e-04	3.82e-05	0.0
935	72	6.34e-04	2.28e-03	-0.06	-1.14e-04	3.34e-05	0.0
936	2	1.70e-03	3.95e-03	-0.09	-1.95e-04	8.88e-05	0.0
936	17	3.42e-03	3.09e-03	-0.06	-1.21e-04	5.26e-05	0.0
936	31	8.64e-04	4.95e-03	-0.07	-1.35e-04	6.13e-05	0.0
936	35	8.36e-04	4.93e-03	-0.07	-1.35e-04	6.17e-05	0.0
936	49	4.82e-03	3.49e-03	-0.06	-1.22e-04	5.09e-05	0.0
936	63	7.46e-04	6.44e-03	-0.07	-1.43e-04	6.47e-05	0.0
936	67	7.02e-04	6.41e-03	-0.07	-1.44e-04	6.53e-05	0.0
936	70	1.27e-03	2.95e-03	-0.07	-1.46e-04	6.65e-05	0.0
936	72	1.11e-03	2.53e-03	-0.06	-1.25e-04	5.77e-05	0.0
937	2	2.14e-03	4.52e-03	-0.10	-2.22e-04	1.12e-04	0.0
937	17	3.76e-03	3.46e-03	-0.07	-1.38e-04	6.99e-05	0.0
937	31	1.16e-03	5.33e-03	-0.07	-1.54e-04	7.66e-05	0.0
937	35	1.12e-03	5.30e-03	-0.07	-1.54e-04	7.68e-05	0.0
937	49	5.19e-03	3.87e-03	-0.07	-1.38e-04	7.01e-05	0.0
937	63	1.05e-03	6.83e-03	-0.07	-1.65e-04	8.08e-05	0.0
937	67	1.00e-03	6.80e-03	-0.07	-1.65e-04	8.10e-05	0.0
937	70	1.60e-03	3.37e-03	-0.07	-1.66e-04	8.37e-05	0.0
937	72	1.39e-03	2.89e-03	-0.07	-1.42e-04	7.24e-05	0.0
938	2	2.04e-03	5.21e-03	-0.10	-2.53e-04	1.07e-04	0.0
938	17	3.80e-03	3.90e-03	-0.07	-1.58e-04	7.20e-05	0.0
938	31	1.08e-03	5.81e-03	-0.07	-1.78e-04	7.29e-05	0.0
938	35	1.04e-03	5.79e-03	-0.07	-1.78e-04	7.27e-05	0.0
938	49	5.30e-03	4.32e-03	-0.07	-1.60e-04	7.50e-05	0.0



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938	63	9.75e-04	7.36e-03	-0.08	-1.91e-04	7.66e-05	0.0
938	67	9.10e-04	7.33e-03	-0.08	-1.92e-04	7.61e-05	0.0
938	70	1.53e-03	3.89e-03	-0.08	-1.89e-04	8.05e-05	0.0
938	72	1.32e-03	3.32e-03	-0.07	-1.62e-04	6.95e-05	0.0
939	2	8.13e-04	5.54e-03	-0.11	-2.71e-04	4.69e-05	0.0
939	17	3.23e-03	4.25e-03	-0.07	-1.71e-04	4.14e-05	0.0
939	31	2.35e-04	6.01e-03	-0.08	-1.91e-04	2.99e-05	0.0
939	35	1.74e-04	5.95e-03	-0.08	-1.91e-04	2.89e-05	0.0
939	49	4.85e-03	4.76e-03	-0.07	-1.74e-04	4.87e-05	0.0
939	63	7.82e-05	7.55e-03	-0.08	-2.06e-04	3.05e-05	0.0
939	67	-1.82e-05	7.47e-03	-0.08	-2.06e-04	2.88e-05	0.0
939	70	6.08e-04	4.14e-03	-0.08	-2.02e-04	3.51e-05	0.0
939	72	5.22e-04	3.53e-03	-0.08	-1.73e-04	3.02e-05	0.0
940	2	-2.05e-04	5.43e-03	-0.11	-2.67e-04	-1.61e-05	0.0
940	20	-2.81e-03	2.58e-03	-0.07	-1.56e-04	-1.97e-05	0.0
940	31	-4.69e-04	5.90e-03	-0.08	-1.88e-04	-1.45e-05	0.0
940	52	-4.40e-03	2.16e-03	-0.07	-1.52e-04	-2.57e-05	0.0
940	63	-6.76e-04	7.43e-03	-0.08	-2.03e-04	-1.74e-05	0.0
940	70	-1.52e-04	4.05e-03	-0.08	-2.00e-04	-1.20e-05	0.0
940	72	-1.25e-04	3.45e-03	-0.08	-1.71e-04	-1.01e-05	0.0
941	2	-1.32e-03	5.29e-03	-0.11	-2.58e-04	-6.86e-05	0.0
941	15	-3.30e-03	3.84e-03	-0.07	-1.62e-04	-1.62e-05	0.0
941	33	2.10e-04	5.74e-03	-0.08	-1.80e-04	-4.84e-05	0.0
941	47	-4.77e-03	4.19e-03	-0.07	-1.64e-04	-4.93e-05	0.0
941	65	8.15e-04	7.22e-03	-0.08	-1.93e-04	-5.19e-05	0.0
941	70	-9.86e-04	3.95e-03	-0.08	-1.93e-04	-5.14e-05	0.0
941	72	-8.50e-04	3.38e-03	-0.07	-1.65e-04	-4.42e-05	0.0
942	2	-1.31e-03	4.76e-03	-0.10	-2.34e-04	-6.70e-05	0.0
942	20	-3.21e-03	2.13e-03	-0.07	-1.37e-04	-3.88e-05	0.0
942	33	1.84e-04	5.29e-03	-0.07	-1.61e-04	-4.86e-05	0.0
942	52	-4.62e-03	1.66e-03	-0.07	-1.33e-04	-3.71e-05	0.0
942	65	7.72e-04	6.69e-03	-0.07	-1.72e-04	-5.28e-05	0.0
942	70	-9.80e-04	3.56e-03	-0.08	-1.75e-04	-5.02e-05	0.0
942	72	-8.46e-04	3.05e-03	-0.07	-1.50e-04	-4.33e-05	0.0
943	2	-8.27e-04	4.38e-03	-0.10	-2.16e-04	-4.16e-05	0.0
943	20	-2.87e-03	1.94e-03	-0.07	-1.27e-04	-2.14e-05	0.0
943	33	4.78e-04	4.96e-03	-0.07	-1.48e-04	-3.24e-05	0.0
943	52	-4.26e-03	1.50e-03	-0.07	-1.24e-04	-1.86e-05	0.0
943	65	1.07e-03	6.31e-03	-0.07	-1.56e-04	-3.62e-05	0.0
943	70	-6.20e-04	3.27e-03	-0.07	-1.61e-04	-3.12e-05	0.0
943	72	-5.37e-04	2.81e-03	-0.07	-1.39e-04	-2.70e-05	0.0
944	2	-1.31e-04	4.22e-03	-0.10	-2.08e-04	-5.24e-06	0.0
944	20	-2.43e-03	1.88e-03	-0.07	-1.24e-04	-1.63e-06	0.0
944	25	3.69e-04	4.87e-03	-0.07	-1.41e-04	-7.16e-06	0.0
944	29	8.97e-04	4.76e-03	-0.07	-1.41e-04	-8.79e-06	0.0
944	52	-3.81e-03	1.46e-03	-0.07	-1.21e-04	4.66e-06	0.0
944	57	6.38e-04	6.22e-03	-0.07	-1.49e-04	-9.31e-06	0.0
944	61	1.48e-03	6.05e-03	-0.07	-1.49e-04	-1.19e-05	0.0
944	70	-9.85e-05	3.15e-03	-0.07	-1.56e-04	-3.96e-06	0.0
944	72	-8.85e-05	2.70e-03	-0.07	-1.34e-04	-3.60e-06	0.0
945	2	6.03e-04	4.29e-03	-0.10	-2.12e-04	3.30e-05	0.0
945	17	2.72e-03	3.32e-03	-0.07	-1.33e-04	1.78e-05	0.0
945	23	-4.55e-04	4.96e-03	-0.07	-1.44e-04	2.48e-05	0.0
945	27	-4.79e-04	4.94e-03	-0.07	-1.44e-04	2.52e-05	0.0
945	49	4.11e-03	3.72e-03	-0.07	-1.35e-04	1.65e-05	0.0
945	55	-9.39e-04	6.34e-03	-0.07	-1.53e-04	2.76e-05	0.0
945	59	-9.77e-04	6.30e-03	-0.07	-1.53e-04	2.82e-05	0.0
945	70	4.51e-04	3.20e-03	-0.07	-1.58e-04	2.46e-05	0.0
945	72	3.85e-04	2.75e-03	-0.07	-1.36e-04	2.10e-05	0.0
946	2	1.21e-03	4.59e-03	-0.10	-2.25e-04	6.45e-05	0.0
946	17	3.13e-03	3.43e-03	-0.07	-1.41e-04	3.88e-05	0.0
946	23	-4.38e-05	5.22e-03	-0.07	-1.55e-04	4.57e-05	0.0
946	27	-6.99e-05	5.22e-03	-0.07	-1.55e-04	4.59e-05	0.0
946	49	4.54e-03	3.79e-03	-0.07	-1.43e-04	3.83e-05	0.0
946	55	-5.07e-04	6.64e-03	-0.07	-1.64e-04	4.93e-05	0.0
946	59	-5.48e-04	6.63e-03	-0.07	-1.65e-04	4.97e-05	0.0
946	70	9.04e-04	3.43e-03	-0.08	-1.68e-04	4.83e-05	0.0
946	72	7.75e-04	2.94e-03	-0.07	-1.44e-04	4.13e-05	0.0
947	2	1.47e-03	5.05e-03	-0.11	-2.47e-04	7.84e-05	0.0
947	17	3.36e-03	3.76e-03	-0.07	-1.55e-04	5.01e-05	0.0
947	23	1.42e-04	5.61e-03	-0.08	-1.71e-04	5.48e-05	0.0
947	27	1.12e-04	5.59e-03	-0.08	-1.71e-04	5.48e-05	0.0
947	49	4.80e-03	4.16e-03	-0.07	-1.57e-04	5.13e-05	0.0
947	55	-3.06e-04	7.09e-03	-0.08	-1.83e-04	5.87e-05	0.0
947	59	-3.55e-04	7.06e-03	-0.08	-1.83e-04	5.87e-05	0.0
947	70	1.10e-03	3.77e-03	-0.08	-1.84e-04	5.87e-05	0.0



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947	72	9.45e-04	3.22e-03	-0.07	-1.58e-04	5.03e-05	0.0
948	2	9.44e-04	5.14e-03	-0.11	-2.57e-04	5.35e-05	0.0
948	17	3.17e-03	3.86e-03	-0.08	-1.63e-04	4.05e-05	0.0
948	25	1.21e-03	5.75e-03	-0.08	-1.81e-04	3.95e-05	0.0
948	27	-2.78e-04	5.70e-03	-0.08	-1.81e-04	3.54e-05	0.0
948	49	4.70e-03	4.28e-03	-0.08	-1.67e-04	4.52e-05	0.0
948	57	1.58e-03	7.29e-03	-0.08	-1.95e-04	4.35e-05	0.0
948	59	-7.78e-04	7.22e-03	-0.08	-1.95e-04	3.71e-05	0.0
948	70	7.05e-04	3.83e-03	-0.08	-1.92e-04	4.00e-05	0.0
948	72	5.98e-04	3.27e-03	-0.08	-1.64e-04	3.41e-05	0.0
949	2	8.32e-04	5.34e-03	-0.11	-2.62e-04	4.05e-05	0.0
949	17	3.04e-03	3.55e-03	-0.08	-1.67e-04	2.47e-05	0.0
949	21	1.00e-03	6.25e-03	-0.08	-1.83e-04	2.63e-05	0.0
949	27	-3.98e-04	6.25e-03	-0.08	-1.82e-04	2.59e-05	0.0
949	49	4.54e-03	3.70e-03	-0.08	-1.70e-04	2.54e-05	0.0
949	53	1.30e-03	7.99e-03	-0.08	-1.94e-04	2.79e-05	0.0
949	59	-9.19e-04	7.98e-03	-0.08	-1.94e-04	2.74e-05	0.0
949	70	6.19e-04	3.99e-03	-0.08	-1.96e-04	3.01e-05	0.0
949	72	5.13e-04	3.44e-03	-0.08	-1.69e-04	2.48e-05	0.0
950	2	-1.45e-03	5.29e-03	-0.11	-2.63e-04	-7.70e-05	0.0
950	20	-3.53e-03	2.62e-03	-0.07	-1.54e-04	-5.51e-05	0.0
950	25	-4.34e-04	5.88e-03	-0.08	-1.86e-04	-4.97e-05	0.0
950	27	-1.95e-03	5.90e-03	-0.08	-1.85e-04	-5.49e-05	0.0
950	52	-5.09e-03	2.26e-03	-0.07	-1.49e-04	-5.94e-05	0.0
950	57	-1.64e-04	7.45e-03	-0.08	-2.00e-04	-5.08e-05	0.0
950	59	-2.58e-03	7.48e-03	-0.08	-2.00e-04	-5.92e-05	0.0
950	70	-1.09e-03	3.95e-03	-0.08	-1.96e-04	-5.77e-05	0.0
950	72	-9.31e-04	3.37e-03	-0.08	-1.68e-04	-4.96e-05	0.0
951	2	-2.35e-03	5.04e-03	-0.10	-2.45e-04	-1.22e-04	0.0
951	19	-3.92e-03	3.65e-03	-0.07	-1.53e-04	-7.89e-05	0.0
951	25	-1.07e-03	5.73e-03	-0.07	-1.72e-04	-8.26e-05	0.0
951	51	-5.37e-03	3.99e-03	-0.07	-1.54e-04	-8.09e-05	0.0
951	57	-8.48e-04	7.29e-03	-0.08	-1.85e-04	-8.68e-05	0.0
951	70	-1.76e-03	3.76e-03	-0.08	-1.83e-04	-9.14e-05	0.0
951	72	-1.52e-03	3.22e-03	-0.07	-1.57e-04	-7.88e-05	0.0
952	2	-2.29e-03	4.37e-03	-0.10	-2.14e-04	-1.19e-04	0.0
952	19	-3.80e-03	3.21e-03	-0.07	-1.32e-04	-7.29e-05	0.0
952	25	-1.03e-03	5.24e-03	-0.07	-1.48e-04	-8.10e-05	0.0
952	51	-5.21e-03	3.52e-03	-0.07	-1.33e-04	-7.26e-05	0.0
952	57	-7.96e-04	6.76e-03	-0.07	-1.58e-04	-8.53e-05	0.0
952	70	-1.71e-03	3.26e-03	-0.07	-1.60e-04	-8.89e-05	0.0
952	72	-1.48e-03	2.79e-03	-0.07	-1.37e-04	-7.66e-05	0.0
953	2	-1.77e-03	3.82e-03	-0.09	-1.88e-04	-9.21e-05	0.0
953	20	-3.44e-03	1.74e-03	-0.06	-1.10e-04	-5.06e-05	0.0
953	21	-6.98e-04	4.87e-03	-0.06	-1.29e-04	-6.28e-05	0.0
953	25	-6.75e-04	4.86e-03	-0.06	-1.30e-04	-6.32e-05	0.0
953	52	-4.82e-03	1.39e-03	-0.06	-1.07e-04	-4.69e-05	0.0
953	53	-4.62e-04	6.36e-03	-0.07	-1.38e-04	-6.62e-05	0.0
953	57	-4.24e-04	6.35e-03	-0.07	-1.38e-04	-6.68e-05	0.0
953	70	-1.33e-03	2.85e-03	-0.07	-1.40e-04	-6.90e-05	0.0
953	72	-1.14e-03	2.44e-03	-0.06	-1.20e-04	-5.94e-05	0.0
954	2	-1.02e-03	3.46e-03	-0.09	-1.71e-04	-5.29e-05	0.0
954	20	-2.95e-03	1.55e-03	-0.06	-1.01e-04	-2.56e-05	0.0
954	21	-1.83e-04	4.63e-03	-0.06	-1.17e-04	-3.65e-05	0.0
954	25	-1.60e-04	4.63e-03	-0.06	-1.18e-04	-3.70e-05	0.0
954	52	-4.31e-03	1.21e-03	-0.06	-9.90e-05	-2.14e-05	0.0
954	53	8.08e-05	6.11e-03	-0.06	-1.25e-04	-3.87e-05	0.0
954	57	1.16e-04	6.11e-03	-0.06	-1.25e-04	-3.94e-05	0.0
954	70	-7.60e-04	2.58e-03	-0.06	-1.28e-04	-3.96e-05	0.0
954	72	-6.55e-04	2.22e-03	-0.06	-1.10e-04	-3.42e-05	0.0
955	2	-1.42e-04	3.32e-03	-0.08	-1.65e-04	-7.88e-06	0.0
955	20	-2.40e-03	1.55e-03	-0.06	-9.83e-05	2.53e-06	0.0
955	25	4.31e-04	4.53e-03	-0.06	-1.13e-04	-6.65e-06	0.0
955	27	-8.90e-04	4.56e-03	-0.06	-1.13e-04	-2.70e-06	0.0
955	52	-3.76e-03	1.26e-03	-0.06	-9.66e-05	6.90e-06	0.0
955	57	7.37e-04	6.00e-03	-0.06	-1.19e-04	-7.70e-06	0.0
955	59	-1.36e-03	6.04e-03	-0.06	-1.19e-04	-1.42e-06	0.0
955	70	-1.06e-04	2.48e-03	-0.06	-1.23e-04	-5.90e-06	0.0
955	72	-9.07e-05	2.13e-03	-0.06	-1.06e-04	-5.09e-06	0.0
956	2	7.49e-04	3.39e-03	-0.08	-1.68e-04	3.81e-05	0.0
956	17	2.78e-03	2.55e-03	-0.06	-1.05e-04	1.80e-05	0.0
956	27	-2.92e-04	4.64e-03	-0.06	-1.16e-04	2.83e-05	0.0
956	49	4.15e-03	2.82e-03	-0.06	-1.06e-04	1.47e-05	0.0
956	59	-7.39e-04	6.14e-03	-0.06	-1.23e-04	3.11e-05	0.0
956	70	5.61e-04	2.53e-03	-0.06	-1.25e-04	2.85e-05	0.0
956	72	4.85e-04	2.17e-03	-0.06	-1.08e-04	2.46e-05	0.0



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957	2	1.56e-03	3.68e-03	-0.09	-1.82e-04	8.01e-05	0.0
957	17	3.31e-03	2.70e-03	-0.06	-1.12e-04	4.52e-05	0.0
957	27	2.36e-04	4.87e-03	-0.06	-1.26e-04	5.66e-05	0.0
957	49	4.69e-03	2.96e-03	-0.06	-1.13e-04	4.25e-05	0.0
957	59	-1.98e-04	6.42e-03	-0.07	-1.34e-04	6.08e-05	0.0
957	70	1.17e-03	2.75e-03	-0.07	-1.36e-04	6.00e-05	0.0
957	72	1.01e-03	2.35e-03	-0.06	-1.16e-04	5.17e-05	0.0
958	2	2.18e-03	4.17e-03	-0.09	-2.04e-04	1.12e-04	0.0
958	17	3.74e-03	2.98e-03	-0.06	-1.26e-04	6.72e-05	0.0
958	27	6.03e-04	5.26e-03	-0.07	-1.43e-04	7.83e-05	0.0
958	49	5.14e-03	3.24e-03	-0.06	-1.26e-04	6.57e-05	0.0
958	59	1.57e-04	6.85e-03	-0.07	-1.53e-04	8.34e-05	0.0
958	70	1.64e-03	3.11e-03	-0.07	-1.53e-04	8.42e-05	0.0
958	72	1.41e-03	2.67e-03	-0.07	-1.31e-04	7.26e-05	0.0
959	2	2.43e-03	4.80e-03	-0.10	-2.34e-04	1.26e-04	0.0
959	17	3.96e-03	3.37e-03	-0.07	-1.45e-04	7.83e-05	0.0
959	27	7.13e-04	5.76e-03	-0.07	-1.65e-04	8.71e-05	0.0
959	49	5.40e-03	3.63e-03	-0.07	-1.45e-04	7.85e-05	0.0
959	59	2.40e-04	7.42e-03	-0.07	-1.78e-04	9.25e-05	0.0
959	70	1.82e-03	3.58e-03	-0.08	-1.75e-04	9.40e-05	0.0
959	72	1.58e-03	3.07e-03	-0.07	-1.50e-04	8.11e-05	0.0
960	2	1.87e-03	5.04e-03	-0.11	-2.51e-04	9.90e-05	0.0
960	17	3.77e-03	3.56e-03	-0.07	-1.58e-04	6.84e-05	0.0
960	21	1.75e-03	5.97e-03	-0.08	-1.79e-04	6.95e-05	0.0
960	27	3.16e-04	5.97e-03	-0.08	-1.80e-04	6.69e-05	0.0
960	49	5.31e-03	3.85e-03	-0.07	-1.60e-04	7.24e-05	0.0
960	53	2.10e-03	7.68e-03	-0.08	-1.94e-04	7.40e-05	0.0
960	59	-1.87e-04	7.68e-03	-0.08	-1.95e-04	6.99e-05	0.0
960	70	1.40e-03	3.76e-03	-0.08	-1.88e-04	7.41e-05	0.0
960	72	1.22e-03	3.21e-03	-0.07	-1.61e-04	6.42e-05	0.0
961	2	2.74e-04	5.29e-03	-0.11	-2.65e-04	1.36e-05	0.0
961	17	2.84e-03	3.54e-03	-0.08	-1.70e-04	1.43e-05	0.0
961	21	6.67e-04	6.24e-03	-0.08	-1.86e-04	1.03e-05	0.0
961	25	7.44e-04	6.08e-03	-0.08	-1.86e-04	1.09e-05	0.0
961	49	4.44e-03	3.70e-03	-0.08	-1.73e-04	1.86e-05	0.0
961	53	9.77e-04	8.00e-03	-0.08	-1.99e-04	1.21e-05	0.0
961	57	1.10e-03	7.75e-03	-0.08	-1.99e-04	1.31e-05	0.0
961	70	2.02e-04	3.95e-03	-0.08	-1.98e-04	9.97e-06	0.0
961	72	1.54e-04	3.40e-03	-0.08	-1.70e-04	7.63e-06	0.0
962	2	-5.41e-04	5.40e-03	-0.11	-2.69e-04	-3.23e-05	0.0
962	20	-2.96e-03	2.90e-03	-0.07	-1.60e-04	-2.55e-05	0.0
962	27	-1.24e-03	6.28e-03	-0.08	-1.93e-04	-2.41e-05	0.0
962	52	-4.53e-03	2.66e-03	-0.07	-1.58e-04	-2.96e-05	0.0
962	59	-1.80e-03	8.04e-03	-0.08	-2.09e-04	-2.74e-05	0.0
962	70	-4.00e-04	4.03e-03	-0.08	-2.01e-04	-2.40e-05	0.0
962	72	-3.21e-04	3.44e-03	-0.08	-1.72e-04	-1.97e-05	0.0
963	2	-1.42e-03	5.31e-03	-0.11	-2.59e-04	-7.62e-05	0.0
963	20	-3.34e-03	2.83e-03	-0.07	-1.54e-04	-4.47e-05	0.0
963	27	-1.76e-03	6.19e-03	-0.08	-1.83e-04	-5.16e-05	0.0
963	52	-4.81e-03	2.58e-03	-0.07	-1.50e-04	-4.41e-05	0.0
963	59	-2.29e-03	7.91e-03	-0.08	-1.96e-04	-5.51e-05	0.0
963	70	-1.06e-03	3.97e-03	-0.08	-1.94e-04	-5.68e-05	0.0
963	72	-8.92e-04	3.40e-03	-0.07	-1.66e-04	-4.79e-05	0.0
964	2	-1.35e-03	4.83e-03	-0.10	-2.37e-04	-7.24e-05	0.0
964	20	-3.23e-03	2.58e-03	-0.07	-1.43e-04	-3.86e-05	0.0
964	27	-1.66e-03	5.82e-03	-0.07	-1.66e-04	-4.72e-05	0.0
964	52	-4.66e-03	2.34e-03	-0.07	-1.41e-04	-3.60e-05	0.0
964	55	-2.11e-03	7.40e-03	-0.08	-1.78e-04	-5.01e-05	0.0
964	59	-2.17e-03	7.50e-03	-0.08	-1.78e-04	-4.95e-05	0.0
964	70	-1.00e-03	3.61e-03	-0.08	-1.77e-04	-5.39e-05	0.0
964	72	-8.40e-04	3.10e-03	-0.07	-1.52e-04	-4.53e-05	0.0
965	2	-8.47e-04	4.48e-03	-0.10	-2.20e-04	-4.66e-05	0.0
965	20	-2.88e-03	2.41e-03	-0.07	-1.34e-04	-2.11e-05	0.0
965	27	-1.31e-03	5.59e-03	-0.07	-1.54e-04	-2.88e-05	0.0
965	52	-4.30e-03	2.19e-03	-0.07	-1.32e-04	-1.77e-05	0.0
965	59	-1.79e-03	7.25e-03	-0.07	-1.65e-04	-2.99e-05	0.0
965	70	-6.29e-04	3.34e-03	-0.08	-1.65e-04	-3.46e-05	0.0
965	72	-5.16e-04	2.88e-03	-0.07	-1.42e-04	-2.85e-05	0.0
966	2	-1.70e-04	4.34e-03	-0.10	-2.14e-04	-1.14e-05	0.0
966	20	-2.47e-03	2.37e-03	-0.07	-1.32e-04	-1.07e-06	0.0
966	27	-8.62e-04	5.52e-03	-0.07	-1.51e-04	-1.24e-06	0.0
966	52	-3.88e-03	2.17e-03	-0.07	-1.31e-04	1.36e-06	0.0
966	59	-1.33e-03	7.19e-03	-0.07	-1.61e-04	1.09e-06	0.0
966	70	-1.21e-04	3.24e-03	-0.07	-1.60e-04	-8.29e-06	0.0
966	72	-7.69e-05	2.80e-03	-0.07	-1.38e-04	-5.80e-06	0.0
967	2	4.98e-04	4.43e-03	-0.10	-2.18e-04	2.33e-05	0.0



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967	17	2.79e-03	3.06e-03	-0.07	-1.36e-04	1.37e-05	0.0
967	27	-4.61e-04	5.62e-03	-0.07	-1.55e-04	2.08e-05	0.0
967	49	4.22e-03	3.24e-03	-0.07	-1.37e-04	1.22e-05	0.0
967	59	-9.37e-04	7.32e-03	-0.07	-1.66e-04	2.35e-05	0.0
967	70	3.78e-04	3.31e-03	-0.07	-1.63e-04	1.77e-05	0.0
967	72	3.53e-04	2.87e-03	-0.07	-1.41e-04	1.66e-05	0.0
968	2	9.47e-04	4.72e-03	-0.10	-2.31e-04	4.69e-05	0.0
968	17	3.15e-03	3.24e-03	-0.07	-1.45e-04	3.20e-05	0.0
968	27	-2.32e-04	5.88e-03	-0.07	-1.66e-04	3.50e-05	0.0
968	49	4.64e-03	3.42e-03	-0.07	-1.45e-04	3.29e-05	0.0
968	59	-7.34e-04	7.62e-03	-0.08	-1.79e-04	3.75e-05	0.0
968	70	7.14e-04	3.53e-03	-0.08	-1.73e-04	3.53e-05	0.0
968	72	6.38e-04	3.06e-03	-0.07	-1.50e-04	3.15e-05	0.0
969	2	8.30e-04	4.95e-03	-0.10	-2.42e-04	4.17e-05	0.0
969	17	3.27e-03	3.42e-03	-0.07	-1.54e-04	3.59e-05	0.0
969	21	1.10e-03	6.05e-03	-0.08	-1.74e-04	3.08e-05	0.0
969	27	-4.05e-04	6.05e-03	-0.08	-1.75e-04	2.63e-05	0.0
969	49	4.90e-03	3.62e-03	-0.07	-1.56e-04	4.16e-05	0.0
969	53	1.44e-03	7.81e-03	-0.08	-1.88e-04	3.34e-05	0.0
969	59	-9.53e-04	7.81e-03	-0.08	-1.90e-04	2.62e-05	0.0
969	70	6.23e-04	3.70e-03	-0.08	-1.81e-04	3.13e-05	0.0
969	72	5.45e-04	3.20e-03	-0.07	-1.57e-04	2.74e-05	0.0
970	2	3.48e-04	5.10e-03	-0.11	-2.50e-04	1.56e-05	0.0
970	17	3.00e-03	3.45e-03	-0.07	-1.59e-04	1.90e-05	0.0
970	27	-7.37e-04	6.17e-03	-0.08	-1.80e-04	4.24e-06	0.0
970	49	4.64e-03	3.62e-03	-0.07	-1.61e-04	2.46e-05	0.0
970	59	-1.30e-03	7.94e-03	-0.08	-1.94e-04	1.01e-06	0.0
970	70	2.62e-04	3.81e-03	-0.08	-1.87e-04	1.17e-05	0.0
970	72	2.31e-04	3.30e-03	-0.07	-1.62e-04	1.01e-05	0.0
971	2	1.30e-04	5.06e-03	-0.11	-2.48e-04	4.10e-06	0.0
971	17	2.65e-03	3.45e-03	-0.07	-1.60e-04	3.22e-06	0.0
971	25	6.29e-04	6.00e-03	-0.08	-1.77e-04	-1.92e-06	0.0
971	27	-8.55e-04	6.13e-03	-0.08	-1.76e-04	-3.62e-06	0.0
971	49	4.18e-03	3.62e-03	-0.07	-1.64e-04	4.32e-06	0.0
971	57	9.65e-04	7.69e-03	-0.08	-1.91e-04	-3.85e-06	0.0
971	59	-1.39e-03	7.88e-03	-0.08	-1.89e-04	-6.54e-06	0.0
971	70	9.43e-05	3.79e-03	-0.08	-1.85e-04	2.91e-06	0.0
971	72	6.65e-05	3.28e-03	-0.07	-1.61e-04	1.66e-06	0.0
972	2	3.66e-04	5.00e-03	-0.11	-2.45e-04	1.64e-05	0.0
972	17	2.72e-03	3.39e-03	-0.07	-1.58e-04	6.91e-06	0.0
972	21	7.00e-04	6.03e-03	-0.08	-1.73e-04	4.84e-06	0.0
972	25	7.56e-04	5.90e-03	-0.08	-1.73e-04	4.72e-06	0.0
972	49	4.20e-03	3.55e-03	-0.07	-1.61e-04	5.96e-06	0.0
972	53	9.96e-04	7.76e-03	-0.08	-1.84e-04	2.64e-06	0.0
972	57	1.09e-03	7.55e-03	-0.08	-1.85e-04	2.45e-06	0.0
972	70	2.71e-04	3.74e-03	-0.08	-1.84e-04	1.21e-05	0.0
972	72	2.12e-04	3.24e-03	-0.07	-1.59e-04	9.27e-06	0.0
973	2	7.00e-04	5.10e-03	-0.11	-2.50e-04	3.38e-05	0.0
973	17	2.91e-03	3.42e-03	-0.07	-1.60e-04	1.71e-05	0.0
973	21	9.11e-04	6.08e-03	-0.08	-1.75e-04	2.17e-05	0.0
973	27	-4.68e-04	6.08e-03	-0.08	-1.74e-04	2.23e-05	0.0
973	49	4.39e-03	3.57e-03	-0.07	-1.63e-04	1.59e-05	0.0
973	53	1.21e-03	7.80e-03	-0.08	-1.86e-04	2.32e-05	0.0
973	59	-9.81e-04	7.79e-03	-0.08	-1.85e-04	2.42e-05	0.0
973	70	5.20e-04	3.81e-03	-0.08	-1.87e-04	2.51e-05	0.0
973	72	4.26e-04	3.30e-03	-0.07	-1.62e-04	2.04e-05	0.0
974	2	2.52e-03	5.82e-03	-0.11	-2.83e-04	1.33e-04	0.0
974	17	4.12e-03	4.68e-03	-0.08	-1.79e-04	8.82e-05	0.0
974	31	1.39e-03	6.78e-03	-0.08	-2.02e-04	9.01e-05	0.0
974	35	1.34e-03	6.65e-03	-0.08	-2.03e-04	8.98e-05	0.0
974	49	5.64e-03	5.36e-03	-0.08	-1.83e-04	9.27e-05	0.0
974	63	1.31e-03	8.69e-03	-0.08	-2.20e-04	9.57e-05	0.0
974	67	1.22e-03	8.48e-03	-0.08	-2.20e-04	9.51e-05	0.0
974	70	1.88e-03	4.34e-03	-0.08	-2.11e-04	9.90e-05	0.0
974	72	1.60e-03	3.70e-03	-0.08	-1.80e-04	8.44e-05	0.0
975	2	-2.34e-03	-4.92e-03	-0.11	2.40e-04	-1.28e-04	0.0
975	8	-4.68e-03	-3.19e-03	-0.08	1.61e-04	-1.16e-04	0.0
975	32	-2.14e-03	-6.34e-03	-0.08	1.76e-04	-9.93e-05	0.0
975	36	-2.03e-03	-6.56e-03	-0.08	1.76e-04	-9.68e-05	0.0
975	40	-6.51e-03	-3.23e-03	-0.08	1.66e-04	-1.34e-04	0.0
975	64	-2.47e-03	-8.25e-03	-0.08	1.90e-04	-1.07e-04	0.0
975	68	-2.29e-03	-8.61e-03	-0.08	1.90e-04	-1.03e-04	0.0
975	70	-1.77e-03	-3.69e-03	-0.08	1.80e-04	-9.68e-05	0.0
975	72	-1.62e-03	-3.22e-03	-0.08	1.57e-04	-8.82e-05	0.0
976	2	4.87e-04	-5.11e-03	-0.11	2.52e-04	2.48e-05	0.0
976	10	3.09e-03	-3.48e-03	-0.07	1.60e-04	2.49e-05	0.0



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976	24	-6.39e-04	-6.16e-03	-0.08	1.80e-04	1.48e-05	0.0
976	42	4.73e-03	-3.66e-03	-0.07	1.62e-04	3.03e-05	0.0
976	56	-1.20e-03	-7.91e-03	-0.08	1.94e-04	1.42e-05	0.0
976	70	3.66e-04	-3.82e-03	-0.08	1.88e-04	1.86e-05	0.0
976	72	3.22e-04	-3.31e-03	-0.07	1.63e-04	1.62e-05	0.0
977	2	3.12e-04	-5.69e-03	-0.11	2.85e-04	1.79e-05	0.0
977	10	2.93e-03	-3.91e-03	-0.08	1.78e-04	2.10e-05	0.0
977	24	-6.83e-04	-6.41e-03	-0.08	2.03e-04	1.05e-05	0.0
977	42	4.53e-03	-4.17e-03	-0.08	1.81e-04	2.63e-05	0.0
977	56	-1.21e-03	-8.14e-03	-0.08	2.19e-04	9.58e-06	0.0
977	70	2.37e-04	-4.25e-03	-0.09	2.13e-04	1.36e-05	0.0
977	72	2.21e-04	-3.63e-03	-0.08	1.82e-04	1.24e-05	0.0
978	2	4.32e-04	-5.72e-03	-0.11	2.80e-04	2.17e-05	0.0
978	10	3.00e-03	-4.33e-03	-0.08	1.77e-04	2.45e-05	0.0
978	32	-9.34e-05	-6.04e-03	-0.08	1.95e-04	1.20e-05	0.0
978	36	-3.44e-05	-6.09e-03	-0.08	1.95e-04	1.30e-05	0.0
978	42	4.60e-03	-4.83e-03	-0.08	1.81e-04	3.10e-05	0.0
978	64	-3.07e-04	-7.54e-03	-0.08	2.09e-04	1.10e-05	0.0
978	68	-2.14e-04	-7.62e-03	-0.08	2.09e-04	1.26e-05	0.0
978	70	3.24e-04	-4.27e-03	-0.08	2.09e-04	1.63e-05	0.0
978	72	2.81e-04	-3.65e-03	-0.08	1.79e-04	1.41e-05	0.0
979	2	1.44e-04	-6.39e-03	-0.12	3.13e-04	7.40e-06	0.0
979	10	2.82e-03	-5.03e-03	-0.08	2.00e-04	1.53e-05	0.0
979	30	1.27e-03	-7.10e-03	-0.08	2.22e-04	8.79e-06	0.0
979	34	1.20e-03	-6.98e-03	-0.08	2.22e-04	7.79e-06	0.0
979	42	4.43e-03	-5.71e-03	-0.08	2.05e-04	2.17e-05	0.0
979	62	1.96e-03	-9.00e-03	-0.09	2.40e-04	1.13e-05	0.0
979	66	1.85e-03	-8.81e-03	-0.09	2.41e-04	9.74e-06	0.0
979	70	1.07e-04	-4.77e-03	-0.09	2.33e-04	5.52e-06	0.0
979	72	8.86e-05	-4.06e-03	-0.08	1.99e-04	4.68e-06	0.0
980	2	-5.13e-04	-5.66e-03	-0.11	2.84e-04	-2.43e-05	0.0
980	11	-3.02e-03	-2.79e-03	-0.07	1.67e-04	-2.47e-05	0.0
980	22	2.31e-04	-6.09e-03	-0.08	1.99e-04	-1.33e-05	0.0
980	28	-1.26e-03	-6.09e-03	-0.08	1.98e-04	-1.83e-05	0.0
980	43	-4.61e-03	-2.40e-03	-0.07	1.63e-04	-3.02e-05	0.0
980	54	5.56e-04	-7.65e-03	-0.08	2.14e-04	-1.21e-05	0.0
980	60	-1.82e-03	-7.65e-03	-0.08	2.13e-04	-2.01e-05	0.0
980	70	-3.84e-04	-4.23e-03	-0.08	2.12e-04	-1.82e-05	0.0
980	72	-3.34e-04	-3.61e-03	-0.08	1.81e-04	-1.59e-05	0.0
981	2	-6.57e-04	-5.57e-03	-0.11	2.78e-04	-3.82e-05	0.0
981	11	-3.21e-03	-3.21e-03	-0.07	1.66e-04	-3.24e-05	0.0
981	22	1.72e-04	-6.22e-03	-0.08	1.94e-04	-2.47e-05	0.0
981	26	8.83e-05	-6.40e-03	-0.08	1.94e-04	-2.55e-05	0.0
981	43	-4.85e-03	-3.08e-03	-0.07	1.62e-04	-3.71e-05	0.0
981	54	5.24e-04	-7.86e-03	-0.08	2.07e-04	-2.47e-05	0.0
981	58	3.91e-04	-8.14e-03	-0.08	2.07e-04	-2.60e-05	0.0
981	70	-4.94e-04	-4.17e-03	-0.08	2.08e-04	-2.87e-05	0.0
981	72	-4.38e-04	-3.59e-03	-0.08	1.79e-04	-2.54e-05	0.0
982	2	-2.86e-03	-4.48e-03	-0.10	2.18e-04	-1.47e-04	0.0
982	8	-4.91e-03	-3.49e-03	-0.07	1.46e-04	-1.25e-04	0.0
982	32	-3.09e-03	-6.17e-03	-0.07	1.60e-04	-1.12e-04	0.0
982	36	-2.99e-03	-6.22e-03	-0.07	1.59e-04	-1.10e-04	0.0
982	40	-6.68e-03	-3.86e-03	-0.07	1.51e-04	-1.40e-04	0.0
982	64	-3.78e-03	-8.14e-03	-0.08	1.72e-04	-1.21e-04	0.0
982	68	-3.63e-03	-8.22e-03	-0.08	1.72e-04	-1.17e-04	0.0
982	70	-2.16e-03	-3.36e-03	-0.08	1.64e-04	-1.11e-04	0.0
982	72	-1.96e-03	-2.93e-03	-0.07	1.43e-04	-1.01e-04	0.0
983	2	-2.53e-03	-3.98e-03	-0.09	1.94e-04	-1.30e-04	0.0
983	8	-4.47e-03	-2.58e-03	-0.07	1.27e-04	-1.03e-04	0.0
983	32	-2.81e-03	-5.58e-03	-0.07	1.40e-04	-9.84e-05	0.0
983	36	-2.73e-03	-5.78e-03	-0.07	1.40e-04	-9.74e-05	0.0
983	40	-6.09e-03	-2.61e-03	-0.07	1.29e-04	-1.12e-04	0.0
983	64	-3.46e-03	-7.39e-03	-0.07	1.50e-04	-1.05e-04	0.0
983	68	-3.34e-03	-7.72e-03	-0.07	1.50e-04	-1.03e-04	0.0
983	70	-1.91e-03	-2.98e-03	-0.07	1.45e-04	-9.82e-05	0.0
983	72	-1.75e-03	-2.60e-03	-0.07	1.27e-04	-8.93e-05	0.0
984	2	-1.81e-03	-3.49e-03	-0.09	1.72e-04	-9.21e-05	0.0
984	8	-3.86e-03	-2.26e-03	-0.06	1.11e-04	-7.23e-05	0.0
984	32	-1.67e-03	-5.16e-03	-0.06	1.22e-04	-7.07e-05	0.0
984	36	-1.61e-03	-5.36e-03	-0.06	1.22e-04	-7.02e-05	0.0
984	40	-5.41e-03	-2.30e-03	-0.06	1.13e-04	-7.77e-05	0.0
984	64	-1.93e-03	-6.92e-03	-0.07	1.31e-04	-7.53e-05	0.0
984	68	-1.83e-03	-7.22e-03	-0.07	1.31e-04	-7.45e-05	0.0
984	70	-1.37e-03	-2.62e-03	-0.07	1.29e-04	-6.96e-05	0.0
984	72	-1.26e-03	-2.28e-03	-0.06	1.12e-04	-6.41e-05	0.0
985	2	-8.78e-04	-3.21e-03	-0.08	1.59e-04	-4.41e-05	0.0



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985	11	-3.17e-03	-8.06e-04	-0.06	9.68e-05	-3.50e-05	0.0
985	32	-1.03e-03	-4.91e-03	-0.06	1.12e-04	-3.71e-05	0.0
985	36	-9.71e-04	-5.09e-03	-0.06	1.12e-04	-3.70e-05	0.0
985	43	-4.67e-03	-9.82e-05	-0.06	9.49e-05	-3.67e-05	0.0
985	64	-1.25e-03	-6.62e-03	-0.06	1.19e-04	-4.00e-05	0.0
985	68	-1.16e-03	-6.92e-03	-0.06	1.19e-04	-3.98e-05	0.0
985	70	-6.69e-04	-2.40e-03	-0.06	1.19e-04	-3.36e-05	0.0
985	72	-6.49e-04	-2.09e-03	-0.06	1.04e-04	-3.24e-05	0.0
986	2	1.24e-04	-3.15e-03	-0.08	1.57e-04	7.50e-06	0.0
986	4	1.28e-04	-2.54e-03	-0.06	1.27e-04	7.45e-06	0.0
986	11	-2.48e-03	-7.89e-04	-0.06	9.47e-05	0.0	0.0
986	32	-3.35e-04	-4.82e-03	-0.06	1.09e-04	-3.15e-06	0.0
986	36	-2.86e-04	-4.99e-03	-0.06	1.09e-04	-3.17e-06	0.0
986	43	-3.94e-03	-1.02e-04	-0.06	9.30e-05	0.0	0.0
986	64	-5.29e-04	-6.51e-03	-0.06	1.16e-04	-5.32e-06	0.0
986	68	-4.51e-04	-6.79e-03	-0.06	1.16e-04	-5.37e-06	0.0
986	70	8.29e-05	-2.35e-03	-0.06	1.17e-04	5.13e-06	0.0
986	72	1.21e-05	-2.03e-03	-0.06	1.01e-04	1.53e-06	0.0
987	2	1.11e-03	-3.30e-03	-0.08	1.64e-04	5.81e-05	0.0
987	10	3.06e-03	-3.17e-03	-0.06	1.04e-04	3.27e-05	0.0
987	32	3.40e-04	-4.89e-03	-0.06	1.14e-04	3.80e-05	0.0
987	36	3.85e-04	-5.05e-03	-0.06	1.14e-04	3.78e-05	0.0
987	42	4.50e-03	-3.84e-03	-0.06	1.05e-04	3.28e-05	0.0
987	64	1.76e-04	-6.58e-03	-0.06	1.22e-04	4.11e-05	0.0
987	68	2.47e-04	-6.83e-03	-0.06	1.21e-04	4.07e-05	0.0
987	70	8.22e-04	-2.46e-03	-0.06	1.23e-04	4.31e-05	0.0
987	72	6.60e-04	-2.12e-03	-0.06	1.06e-04	3.48e-05	0.0
988	2	1.99e-03	-3.66e-03	-0.09	1.82e-04	1.03e-04	0.0
988	10	3.61e-03	-3.36e-03	-0.06	1.14e-04	6.13e-05	0.0
988	32	9.41e-04	-5.12e-03	-0.06	1.27e-04	6.90e-05	0.0
988	36	9.84e-04	-5.27e-03	-0.06	1.26e-04	6.87e-05	0.0
988	42	5.04e-03	-4.02e-03	-0.06	1.16e-04	6.13e-05	0.0
988	64	8.03e-04	-6.81e-03	-0.07	1.35e-04	7.35e-05	0.0
988	68	8.72e-04	-7.05e-03	-0.07	1.35e-04	7.31e-05	0.0
988	70	1.48e-03	-2.74e-03	-0.07	1.36e-04	7.70e-05	0.0
988	72	1.24e-03	-2.35e-03	-0.06	1.17e-04	6.44e-05	0.0
989	2	2.64e-03	-4.24e-03	-0.10	2.09e-04	1.38e-04	0.0
989	10	4.04e-03	-3.70e-03	-0.07	1.31e-04	8.40e-05	0.0
989	32	1.39e-03	-5.51e-03	-0.07	1.47e-04	9.27e-05	0.0
989	36	1.44e-03	-5.65e-03	-0.07	1.46e-04	9.25e-05	0.0
989	42	5.49e-03	-4.34e-03	-0.07	1.33e-04	8.47e-05	0.0
989	64	1.28e-03	-7.23e-03	-0.07	1.57e-04	9.84e-05	0.0
989	68	1.35e-03	-7.45e-03	-0.07	1.57e-04	9.80e-05	0.0
989	70	1.97e-03	-3.17e-03	-0.07	1.56e-04	1.03e-04	0.0
989	72	1.67e-03	-2.71e-03	-0.07	1.34e-04	8.69e-05	0.0
990	2	2.92e-03	-5.00e-03	-0.10	2.45e-04	1.52e-04	0.0
990	10	4.27e-03	-4.16e-03	-0.07	1.54e-04	9.62e-05	0.0
990	32	1.59e-03	-6.04e-03	-0.07	1.73e-04	1.03e-04	0.0
990	36	1.64e-03	-6.18e-03	-0.07	1.73e-04	1.03e-04	0.0
990	42	5.74e-03	-4.81e-03	-0.07	1.56e-04	9.83e-05	0.0
990	64	1.49e-03	-7.81e-03	-0.08	1.86e-04	1.09e-04	0.0
990	68	1.56e-03	-8.02e-03	-0.08	1.86e-04	1.09e-04	0.0
990	70	2.18e-03	-3.74e-03	-0.08	1.83e-04	1.14e-04	0.0
990	72	1.85e-03	-3.19e-03	-0.07	1.57e-04	9.67e-05	0.0
991	2	2.51e-03	-5.84e-03	-0.11	2.84e-04	1.32e-04	0.0
991	10	4.11e-03	-4.69e-03	-0.08	1.79e-04	8.81e-05	0.0
991	32	1.33e-03	-6.66e-03	-0.08	2.03e-04	8.93e-05	0.0
991	36	1.38e-03	-6.79e-03	-0.08	2.02e-04	8.96e-05	0.0
991	42	5.64e-03	-5.36e-03	-0.08	1.83e-04	9.26e-05	0.0
991	64	1.21e-03	-8.50e-03	-0.08	2.20e-04	9.45e-05	0.0
991	68	1.29e-03	-8.70e-03	-0.08	2.20e-04	9.51e-05	0.0
991	70	1.88e-03	-4.36e-03	-0.08	2.12e-04	9.87e-05	0.0
991	72	1.60e-03	-3.71e-03	-0.08	1.81e-04	8.41e-05	0.0
992	2	6.32e-04	-6.12e-03	-0.12	3.00e-04	4.00e-05	0.0
992	10	3.12e-03	-4.88e-03	-0.08	1.91e-04	3.71e-05	0.0
992	30	1.61e-03	-6.96e-03	-0.08	2.16e-04	3.19e-05	0.0
992	34	1.54e-03	-6.84e-03	-0.08	2.16e-04	3.08e-05	0.0
992	42	4.74e-03	-5.57e-03	-0.08	1.97e-04	4.47e-05	0.0
992	62	2.34e-03	-8.88e-03	-0.09	2.35e-04	3.64e-05	0.0
992	66	2.23e-03	-8.69e-03	-0.09	2.36e-04	3.47e-05	0.0
992	70	4.71e-04	-4.57e-03	-0.09	2.24e-04	2.99e-05	0.0
992	72	3.95e-04	-3.88e-03	-0.08	1.91e-04	2.53e-05	0.0
993	2	-6.68e-04	-5.90e-03	-0.12	2.92e-04	-4.34e-05	0.0
993	8	-3.09e-03	-3.92e-03	-0.08	1.82e-04	-3.76e-05	0.0
993	30	6.93e-04	-6.78e-03	-0.08	2.11e-04	-2.66e-05	0.0
993	36	-7.87e-04	-6.78e-03	-0.08	2.11e-04	-3.20e-05	0.0



993	40	-4.68e-03	-4.13e-03	-0.08	1.84e-04	-4.43e-05	0.0
993	62	1.34e-03	-8.67e-03	-0.09	2.31e-04	-2.68e-05	0.0
993	68	-1.01e-03	-8.68e-03	-0.09	2.30e-04	-3.54e-05	0.0
993	70	-4.99e-04	-4.40e-03	-0.09	2.18e-04	-3.24e-05	0.0
993	72	-4.24e-04	-3.74e-03	-0.08	1.86e-04	-2.76e-05	0.0
994	2	-2.43e-03	-5.75e-03	-0.11	2.80e-04	-1.27e-04	0.0
994	8	-3.98e-03	-3.80e-03	-0.07	1.72e-04	-8.12e-05	0.0
994	30	-1.04e-03	-6.62e-03	-0.08	2.00e-04	-8.69e-05	0.0
994	40	-5.44e-03	-3.98e-03	-0.07	1.73e-04	-8.34e-05	0.0
994	62	-7.77e-04	-8.46e-03	-0.08	2.17e-04	-9.25e-05	0.0
994	70	-1.82e-03	-4.29e-03	-0.08	2.09e-04	-9.49e-05	0.0
994	72	-1.55e-03	-3.65e-03	-0.08	1.78e-04	-8.10e-05	0.0
995	2	-2.71e-03	-4.96e-03	-0.10	2.43e-04	-1.40e-04	0.0
995	8	-4.05e-03	-3.31e-03	-0.07	1.49e-04	-8.47e-05	0.0
995	30	-1.24e-03	-5.95e-03	-0.07	1.71e-04	-9.65e-05	0.0
995	40	-5.46e-03	-3.49e-03	-0.07	1.49e-04	-8.43e-05	0.0
995	62	-9.94e-04	-7.68e-03	-0.08	1.85e-04	-1.03e-04	0.0
995	70	-2.03e-03	-3.70e-03	-0.08	1.82e-04	-1.05e-04	0.0
995	72	-1.73e-03	-3.16e-03	-0.07	1.55e-04	-8.94e-05	0.0
996	2	-2.37e-03	-4.26e-03	-0.10	2.11e-04	-1.22e-04	0.0
996	8	-3.78e-03	-2.91e-03	-0.07	1.29e-04	-7.05e-05	0.0
996	30	-5.01e-04	-5.39e-03	-0.07	1.47e-04	-8.41e-05	0.0
996	40	-5.15e-03	-3.09e-03	-0.07	1.29e-04	-6.84e-05	0.0
996	62	5.70e-05	-7.03e-03	-0.07	1.57e-04	-9.00e-05	0.0
996	70	-1.77e-03	-3.18e-03	-0.07	1.57e-04	-9.09e-05	0.0
996	72	-1.51e-03	-2.71e-03	-0.07	1.34e-04	-7.75e-05	0.0
997	2	-1.69e-03	-3.76e-03	-0.09	1.87e-04	-8.61e-05	0.0
997	8	-3.32e-03	-2.64e-03	-0.06	1.15e-04	-4.69e-05	0.0
997	30	-6.72e-05	-4.97e-03	-0.07	1.29e-04	-6.03e-05	0.0
997	40	-4.67e-03	-2.84e-03	-0.06	1.16e-04	-4.38e-05	0.0
997	62	4.98e-04	-6.55e-03	-0.07	1.38e-04	-6.50e-05	0.0
997	70	-1.26e-03	-2.80e-03	-0.07	1.39e-04	-6.43e-05	0.0
997	72	-1.07e-03	-2.40e-03	-0.06	1.19e-04	-5.46e-05	0.0
998	2	-8.28e-04	-3.48e-03	-0.09	1.73e-04	-4.17e-05	0.0
998	11	-2.78e-03	-1.22e-03	-0.06	1.02e-04	-1.70e-05	0.0
998	30	4.89e-04	-4.72e-03	-0.06	1.19e-04	-3.06e-05	0.0
998	34	4.64e-04	-4.64e-03	-0.06	1.19e-04	-3.01e-05	0.0
998	43	-4.12e-03	-6.80e-04	-0.06	9.98e-05	-1.23e-05	0.0
998	62	1.07e-03	-6.25e-03	-0.06	1.26e-04	-3.41e-05	0.0
998	66	1.03e-03	-6.12e-03	-0.06	1.26e-04	-3.31e-05	0.0
998	70	-6.18e-04	-2.59e-03	-0.07	1.29e-04	-3.11e-05	0.0
998	72	-5.19e-04	-2.22e-03	-0.06	1.11e-04	-2.61e-05	0.0
999	1	9.53e-05	-2.73e-03	-0.08	1.37e-04	5.62e-06	0.0
999	2	9.21e-05	-3.42e-03	-0.09	1.71e-04	5.61e-06	0.0
999	10	2.36e-03	-2.96e-03	-0.06	1.07e-04	-1.80e-06	0.0
999	32	-2.18e-04	-4.56e-03	-0.06	1.17e-04	8.27e-06	0.0
999	36	-1.94e-04	-4.64e-03	-0.06	1.17e-04	7.68e-06	0.0
999	42	3.72e-03	-3.48e-03	-0.06	1.09e-04	-5.41e-06	0.0
999	64	-3.89e-04	-6.02e-03	-0.06	1.24e-04	1.06e-05	0.0
999	68	-3.51e-04	-6.14e-03	-0.06	1.24e-04	9.66e-06	0.0
999	69	7.31e-05	-2.09e-03	-0.06	1.05e-04	4.32e-06	0.0
999	70	7.10e-05	-2.55e-03	-0.07	1.27e-04	4.31e-06	0.0
999	71	7.31e-05	-2.09e-03	-0.06	1.05e-04	4.32e-06	0.0
999	72	7.27e-05	-2.19e-03	-0.06	1.09e-04	4.32e-06	0.0
1000	2	9.72e-04	-3.58e-03	-0.09	1.78e-04	5.09e-05	0.0
1000	10	2.93e-03	-3.03e-03	-0.06	1.11e-04	2.71e-05	0.0
1000	32	3.59e-04	-4.65e-03	-0.06	1.23e-04	3.68e-05	0.0
1000	36	3.83e-04	-4.72e-03	-0.06	1.22e-04	3.63e-05	0.0
1000	42	4.30e-03	-3.53e-03	-0.06	1.12e-04	2.40e-05	0.0
1000	64	2.07e-04	-6.10e-03	-0.06	1.30e-04	3.95e-05	0.0
1000	68	2.46e-04	-6.21e-03	-0.06	1.30e-04	3.87e-05	0.0
1000	70	7.29e-04	-2.67e-03	-0.07	1.33e-04	3.82e-05	0.0
1000	72	6.39e-04	-2.29e-03	-0.06	1.14e-04	3.34e-05	0.0
1001	2	1.70e-03	-3.96e-03	-0.09	1.96e-04	8.87e-05	0.0
1001	10	3.43e-03	-3.10e-03	-0.06	1.22e-04	5.24e-05	0.0
1001	32	8.37e-04	-4.94e-03	-0.07	1.36e-04	6.16e-05	0.0
1001	36	8.63e-04	-4.96e-03	-0.07	1.35e-04	6.12e-05	0.0
1001	42	4.82e-03	-3.50e-03	-0.06	1.22e-04	5.06e-05	0.0
1001	64	7.02e-04	-6.41e-03	-0.07	1.45e-04	6.53e-05	0.0
1001	68	7.43e-04	-6.45e-03	-0.07	1.44e-04	6.46e-05	0.0
1001	70	1.28e-03	-2.96e-03	-0.07	1.46e-04	6.65e-05	0.0
1001	72	1.11e-03	-2.53e-03	-0.06	1.26e-04	5.77e-05	0.0
1002	2	2.14e-03	-4.53e-03	-0.10	2.23e-04	1.12e-04	0.0
1002	10	3.76e-03	-3.47e-03	-0.07	1.38e-04	6.98e-05	0.0
1002	32	1.12e-03	-5.31e-03	-0.07	1.55e-04	7.66e-05	0.0
1002	36	1.15e-03	-5.34e-03	-0.07	1.55e-04	7.64e-05	0.0



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1002	42	5.19e-03	-3.88e-03	-0.07	1.39e-04	6.99e-05	0.0
1002	64	9.95e-04	-6.81e-03	-0.07	1.66e-04	8.08e-05	0.0
1002	68	1.04e-03	-6.85e-03	-0.07	1.65e-04	8.05e-05	0.0
1002	70	1.60e-03	-3.38e-03	-0.07	1.66e-04	8.36e-05	0.0
1002	72	1.39e-03	-2.90e-03	-0.07	1.43e-04	7.23e-05	0.0
1003	2	2.04e-03	-5.21e-03	-0.10	2.54e-04	1.07e-04	0.0
1003	10	3.80e-03	-3.90e-03	-0.07	1.58e-04	7.18e-05	0.0
1003	32	1.04e-03	-5.79e-03	-0.07	1.79e-04	7.22e-05	0.0
1003	36	1.08e-03	-5.81e-03	-0.07	1.78e-04	7.25e-05	0.0
1003	42	5.30e-03	-4.33e-03	-0.07	1.60e-04	7.49e-05	0.0
1003	64	9.02e-04	-7.33e-03	-0.08	1.92e-04	7.56e-05	0.0
1003	68	9.64e-04	-7.36e-03	-0.08	1.91e-04	7.60e-05	0.0
1003	70	1.53e-03	-3.89e-03	-0.08	1.89e-04	8.01e-05	0.0
1003	72	1.32e-03	-3.33e-03	-0.07	1.62e-04	6.92e-05	0.0
1004	2	8.17e-04	-5.51e-03	-0.11	2.70e-04	4.63e-05	0.0
1004	10	3.23e-03	-4.22e-03	-0.07	1.71e-04	4.10e-05	0.0
1004	32	1.79e-04	-5.93e-03	-0.08	1.91e-04	2.85e-05	0.0
1004	36	2.36e-04	-5.98e-03	-0.08	1.91e-04	2.95e-05	0.0
1004	42	4.83e-03	-4.73e-03	-0.07	1.74e-04	4.83e-05	0.0
1004	64	-1.26e-05	-7.45e-03	-0.08	2.06e-04	2.84e-05	0.0
1004	68	7.94e-05	-7.53e-03	-0.08	2.06e-04	3.00e-05	0.0
1004	70	6.11e-04	-4.12e-03	-0.08	2.02e-04	3.47e-05	0.0
1004	72	5.24e-04	-3.51e-03	-0.08	1.72e-04	2.99e-05	0.0
1005	2	-1.71e-04	-5.39e-03	-0.11	2.67e-04	-1.52e-05	0.0
1005	11	-2.78e-03	-2.57e-03	-0.07	1.56e-04	-1.93e-05	0.0
1005	36	-4.49e-04	-5.87e-03	-0.08	1.88e-04	-1.39e-05	0.0
1005	43	-4.36e-03	-2.15e-03	-0.07	1.52e-04	-2.53e-05	0.0
1005	68	-6.56e-04	-7.40e-03	-0.08	2.03e-04	-1.68e-05	0.0
1005	70	-1.27e-04	-4.03e-03	-0.08	1.99e-04	-1.13e-05	0.0
1005	72	-1.04e-04	-3.44e-03	-0.08	1.70e-04	-9.52e-06	0.0
1006	2	-1.29e-03	-5.29e-03	-0.11	2.58e-04	-6.83e-05	0.0
1006	8	-3.28e-03	-3.83e-03	-0.07	1.62e-04	-4.65e-05	0.0
1006	30	2.28e-04	-5.75e-03	-0.08	1.81e-04	-4.81e-05	0.0
1006	40	-4.75e-03	-4.18e-03	-0.07	1.65e-04	-4.91e-05	0.0
1006	62	8.34e-04	-7.23e-03	-0.08	1.94e-04	-5.15e-05	0.0
1006	70	-9.65e-04	-3.95e-03	-0.08	1.93e-04	-5.11e-05	0.0
1006	72	-8.32e-04	-3.38e-03	-0.07	1.65e-04	-4.40e-05	0.0
1007	2	-1.28e-03	-4.77e-03	-0.10	2.35e-04	-6.69e-05	0.0
1007	11	-3.19e-03	-2.13e-03	-0.07	1.37e-04	-3.86e-05	0.0
1007	30	2.00e-04	-5.30e-03	-0.07	1.62e-04	-4.85e-05	0.0
1007	43	-4.61e-03	-1.66e-03	-0.07	1.33e-04	-3.69e-05	0.0
1007	62	7.89e-04	-6.70e-03	-0.07	1.73e-04	-5.27e-05	0.0
1007	70	-9.61e-04	-3.56e-03	-0.08	1.75e-04	-5.01e-05	0.0
1007	72	-8.30e-04	-3.05e-03	-0.07	1.51e-04	-4.32e-05	0.0
1008	2	-8.05e-04	-4.39e-03	-0.10	2.17e-04	-4.15e-05	0.0
1008	11	-2.86e-03	-1.94e-03	-0.07	1.28e-04	-2.11e-05	0.0
1008	30	4.91e-04	-4.97e-03	-0.07	1.48e-04	-3.24e-05	0.0
1008	43	-4.25e-03	-1.49e-03	-0.07	1.25e-04	-1.83e-05	0.0
1008	62	1.08e-03	-6.31e-03	-0.07	1.57e-04	-3.62e-05	0.0
1008	70	-6.03e-04	-3.27e-03	-0.07	1.62e-04	-3.11e-05	0.0
1008	72	-5.23e-04	-2.81e-03	-0.07	1.39e-04	-2.69e-05	0.0
1009	2	-1.10e-04	-4.22e-03	-0.10	2.10e-04	-5.09e-06	0.0
1009	11	-2.42e-03	-1.88e-03	-0.07	1.25e-04	1.89e-06	0.0
1009	22	3.83e-04	-4.87e-03	-0.07	1.42e-04	-7.13e-06	0.0
1009	34	9.11e-04	-4.77e-03	-0.07	1.42e-04	-8.72e-06	0.0
1009	43	-3.80e-03	-1.46e-03	-0.07	1.22e-04	5.02e-06	0.0
1009	54	6.53e-04	-6.22e-03	-0.07	1.50e-04	-9.31e-06	0.0
1009	66	1.49e-03	-6.05e-03	-0.07	1.50e-04	-1.19e-05	0.0
1009	70	-8.34e-05	-3.15e-03	-0.07	1.57e-04	-3.85e-06	0.0
1009	72	-7.57e-05	-2.70e-03	-0.07	1.34e-04	-3.50e-06	0.0
1010	2	6.23e-04	-4.30e-03	-0.10	2.13e-04	3.33e-05	0.0
1010	10	2.73e-03	-3.32e-03	-0.07	1.34e-04	1.78e-05	0.0
1010	24	-4.64e-04	-4.94e-03	-0.07	1.45e-04	2.55e-05	0.0
1010	28	-4.42e-04	-4.97e-03	-0.07	1.45e-04	2.51e-05	0.0
1010	42	4.12e-03	-3.72e-03	-0.07	1.36e-04	1.63e-05	0.0
1010	56	-9.61e-04	-6.30e-03	-0.07	1.54e-04	2.85e-05	0.0
1010	60	-9.26e-04	-6.34e-03	-0.07	1.54e-04	2.79e-05	0.0
1010	70	4.65e-04	-3.21e-03	-0.07	1.59e-04	2.49e-05	0.0
1010	72	3.97e-04	-2.75e-03	-0.07	1.37e-04	2.12e-05	0.0
1011	2	1.23e-03	-4.60e-03	-0.10	2.27e-04	6.50e-05	0.0
1011	10	3.14e-03	-3.44e-03	-0.07	1.42e-04	3.89e-05	0.0
1011	24	-5.85e-05	-5.22e-03	-0.07	1.56e-04	4.63e-05	0.0
1011	28	-3.41e-05	-5.23e-03	-0.07	1.56e-04	4.61e-05	0.0
1011	42	4.55e-03	-3.80e-03	-0.07	1.43e-04	3.83e-05	0.0
1011	56	-5.36e-04	-6.64e-03	-0.07	1.66e-04	5.01e-05	0.0
1011	60	-4.97e-04	-6.65e-03	-0.07	1.66e-04	4.97e-05	0.0



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1011	70	9.16e-04	-3.43e-03	-0.08	1.69e-04	4.86e-05	0.0
1011	72	7.86e-04	-2.94e-03	-0.07	1.45e-04	4.16e-05	0.0
1012	2	1.49e-03	-5.07e-03	-0.11	2.48e-04	7.90e-05	0.0
1012	10	3.37e-03	-3.73e-03	-0.07	1.55e-04	5.04e-05	0.0
1012	24	1.18e-04	-5.62e-03	-0.08	1.73e-04	5.52e-05	0.0
1012	28	1.47e-04	-5.63e-03	-0.08	1.72e-04	5.52e-05	0.0
1012	42	4.81e-03	-4.10e-03	-0.07	1.57e-04	5.15e-05	0.0
1012	56	-3.49e-04	-7.11e-03	-0.08	1.85e-04	5.91e-05	0.0
1012	60	-3.03e-04	-7.12e-03	-0.08	1.84e-04	5.91e-05	0.0
1012	70	1.11e-03	-3.78e-03	-0.08	1.85e-04	5.90e-05	0.0
1012	72	9.52e-04	-3.24e-03	-0.07	1.59e-04	5.06e-05	0.0
1013	2	9.44e-04	-5.16e-03	-0.11	2.58e-04	5.33e-05	0.0
1013	10	3.17e-03	-3.85e-03	-0.08	1.63e-04	4.07e-05	0.0
1013	22	1.21e-03	-5.76e-03	-0.08	1.82e-04	3.95e-05	0.0
1013	24	-2.78e-04	-5.72e-03	-0.08	1.82e-04	3.52e-05	0.0
1013	42	4.71e-03	-4.27e-03	-0.08	1.67e-04	4.56e-05	0.0
1013	54	1.59e-03	-7.30e-03	-0.08	1.96e-04	4.36e-05	0.0
1013	56	-7.78e-04	-7.25e-03	-0.08	1.96e-04	3.68e-05	0.0
1013	70	7.05e-04	-3.85e-03	-0.08	1.93e-04	3.98e-05	0.0
1013	72	5.98e-04	-3.28e-03	-0.08	1.65e-04	3.40e-05	0.0
1014	2	2.48e-04	-5.35e-03	-0.11	2.67e-04	1.33e-05	0.0
1014	10	2.83e-03	-3.57e-03	-0.08	1.71e-04	1.45e-05	0.0
1014	22	7.30e-04	-6.12e-03	-0.08	1.87e-04	1.08e-05	0.0
1014	26	6.55e-04	-6.28e-03	-0.08	1.87e-04	1.02e-05	0.0
1014	42	4.43e-03	-3.72e-03	-0.08	1.74e-04	1.89e-05	0.0
1014	54	1.09e-03	-7.79e-03	-0.08	2.00e-04	1.31e-05	0.0
1014	58	9.67e-04	-8.05e-03	-0.08	2.00e-04	1.21e-05	0.0
1014	70	1.82e-04	-4.00e-03	-0.08	1.99e-04	9.79e-06	0.0
1014	72	1.37e-04	-3.44e-03	-0.08	1.72e-04	7.48e-06	0.0
1015	2	-1.43e-03	-5.29e-03	-0.11	2.64e-04	-7.66e-05	0.0
1015	11	-3.52e-03	-2.61e-03	-0.07	1.54e-04	-5.51e-05	0.0
1015	22	-4.16e-04	-5.89e-03	-0.08	1.86e-04	-4.93e-05	0.0
1015	28	-1.89e-03	-5.90e-03	-0.08	1.86e-04	-5.39e-05	0.0
1015	43	-5.08e-03	-2.24e-03	-0.07	1.49e-04	-5.97e-05	0.0
1015	54	-1.45e-04	-7.46e-03	-0.08	2.01e-04	-5.04e-05	0.0
1015	60	-2.48e-03	-7.49e-03	-0.08	2.00e-04	-5.77e-05	0.0
1015	70	-1.07e-03	-3.95e-03	-0.08	1.97e-04	-5.73e-05	0.0
1015	72	-9.15e-04	-3.37e-03	-0.08	1.68e-04	-4.94e-05	0.0
1016	2	-2.34e-03	-5.06e-03	-0.10	2.47e-04	-1.23e-04	0.0
1016	12	-3.92e-03	-3.65e-03	-0.07	1.53e-04	-7.92e-05	0.0
1016	22	-1.06e-03	-5.75e-03	-0.07	1.73e-04	-8.29e-05	0.0
1016	44	-5.37e-03	-3.98e-03	-0.07	1.54e-04	-8.12e-05	0.0
1016	54	-8.36e-04	-7.31e-03	-0.08	1.86e-04	-8.71e-05	0.0
1016	70	-1.76e-03	-3.77e-03	-0.08	1.84e-04	-9.18e-05	0.0
1016	72	-1.51e-03	-3.23e-03	-0.07	1.58e-04	-7.90e-05	0.0
1017	2	-2.29e-03	-4.37e-03	-0.10	2.15e-04	-1.19e-04	0.0
1017	12	-3.80e-03	-3.20e-03	-0.07	1.33e-04	-7.32e-05	0.0
1017	22	-1.02e-03	-5.25e-03	-0.07	1.50e-04	-8.14e-05	0.0
1017	44	-5.21e-03	-3.51e-03	-0.07	1.34e-04	-7.27e-05	0.0
1017	54	-7.91e-04	-6.78e-03	-0.07	1.60e-04	-8.58e-05	0.0
1017	70	-1.71e-03	-3.26e-03	-0.07	1.61e-04	-8.94e-05	0.0
1017	72	-1.48e-03	-2.79e-03	-0.07	1.38e-04	-7.70e-05	0.0
1018	2	-1.77e-03	-3.81e-03	-0.09	1.89e-04	-9.26e-05	0.0
1018	11	-3.44e-03	-1.73e-03	-0.06	1.11e-04	-5.07e-05	0.0
1018	22	-6.75e-04	-4.87e-03	-0.06	1.31e-04	-6.36e-05	0.0
1018	26	-6.97e-04	-4.87e-03	-0.06	1.30e-04	-6.32e-05	0.0
1018	43	-4.82e-03	-1.38e-03	-0.06	1.07e-04	-4.68e-05	0.0
1018	54	-4.24e-04	-6.36e-03	-0.07	1.39e-04	-6.73e-05	0.0
1018	58	-4.60e-04	-6.36e-03	-0.07	1.39e-04	-6.67e-05	0.0
1018	70	-1.33e-03	-2.85e-03	-0.07	1.41e-04	-6.93e-05	0.0
1018	72	-1.15e-03	-2.44e-03	-0.06	1.21e-04	-5.97e-05	0.0
1019	2	-1.02e-03	-3.45e-03	-0.09	1.73e-04	-5.32e-05	0.0
1019	11	-2.94e-03	-1.55e-03	-0.06	1.02e-04	-2.56e-05	0.0
1019	22	-1.61e-04	-4.63e-03	-0.06	1.18e-04	-3.72e-05	0.0
1019	26	-1.81e-04	-4.63e-03	-0.06	1.18e-04	-3.67e-05	0.0
1019	43	-4.31e-03	-1.21e-03	-0.06	9.95e-05	-2.12e-05	0.0
1019	54	1.15e-04	-6.11e-03	-0.06	1.26e-04	-3.98e-05	0.0
1019	58	8.29e-05	-6.11e-03	-0.06	1.26e-04	-3.90e-05	0.0
1019	70	-7.61e-04	-2.58e-03	-0.06	1.29e-04	-3.98e-05	0.0
1019	72	-6.56e-04	-2.21e-03	-0.06	1.11e-04	-3.43e-05	0.0
1020	2	-1.41e-04	-3.31e-03	-0.08	1.66e-04	-8.00e-06	0.0
1020	11	-2.39e-03	-1.54e-03	-0.06	9.89e-05	2.66e-06	0.0
1020	22	4.31e-04	-4.53e-03	-0.06	1.13e-04	-7.19e-06	0.0
1020	24	-8.89e-04	-4.55e-03	-0.06	1.13e-04	-3.12e-06	0.0
1020	43	-3.75e-03	-1.24e-03	-0.06	9.72e-05	7.16e-06	0.0
1020	54	7.37e-04	-6.00e-03	-0.06	1.20e-04	-8.50e-06	0.0



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1020	56	-1.36e-03	-6.03e-03	-0.06	1.20e-04	-2.02e-06	0.0
1020	70	-1.05e-04	-2.47e-03	-0.06	1.24e-04	-5.99e-06	0.0
1020	72	-9.03e-05	-2.12e-03	-0.06	1.06e-04	-5.17e-06	0.0
1021	2	7.52e-04	-3.38e-03	-0.08	1.69e-04	3.81e-05	0.0
1021	10	2.78e-03	-2.54e-03	-0.06	1.05e-04	1.78e-05	0.0
1021	24	-2.89e-04	-4.63e-03	-0.06	1.16e-04	2.84e-05	0.0
1021	42	4.15e-03	-2.81e-03	-0.06	1.06e-04	1.44e-05	0.0
1021	56	-7.36e-04	-6.14e-03	-0.06	1.24e-04	3.12e-05	0.0
1021	70	5.63e-04	-2.52e-03	-0.06	1.26e-04	2.85e-05	0.0
1021	72	4.87e-04	-2.16e-03	-0.06	1.08e-04	2.46e-05	0.0
1022	2	1.57e-03	-3.67e-03	-0.09	1.83e-04	8.04e-05	0.0
1022	10	3.31e-03	-2.69e-03	-0.06	1.13e-04	4.51e-05	0.0
1022	24	2.39e-04	-4.87e-03	-0.06	1.27e-04	5.69e-05	0.0
1022	42	4.69e-03	-2.95e-03	-0.06	1.13e-04	4.23e-05	0.0
1022	56	-1.95e-04	-6.41e-03	-0.07	1.35e-04	6.11e-05	0.0
1022	70	1.17e-03	-2.74e-03	-0.07	1.36e-04	6.02e-05	0.0
1022	72	1.01e-03	-2.35e-03	-0.06	1.17e-04	5.19e-05	0.0
1023	2	2.19e-03	-4.16e-03	-0.09	2.06e-04	1.13e-04	0.0
1023	10	3.74e-03	-2.97e-03	-0.06	1.27e-04	6.73e-05	0.0
1023	24	6.05e-04	-5.26e-03	-0.07	1.44e-04	7.87e-05	0.0
1023	42	5.15e-03	-3.22e-03	-0.06	1.27e-04	6.57e-05	0.0
1023	56	1.59e-04	-6.86e-03	-0.07	1.54e-04	8.39e-05	0.0
1023	70	1.64e-03	-3.11e-03	-0.07	1.54e-04	8.45e-05	0.0
1023	72	1.42e-03	-2.66e-03	-0.07	1.32e-04	7.29e-05	0.0
1024	2	2.43e-03	-4.80e-03	-0.10	2.35e-04	1.26e-04	0.0
1024	10	3.96e-03	-3.36e-03	-0.07	1.45e-04	7.86e-05	0.0
1024	24	7.13e-04	-5.77e-03	-0.07	1.66e-04	8.75e-05	0.0
1024	42	5.41e-03	-3.61e-03	-0.07	1.45e-04	7.88e-05	0.0
1024	56	2.40e-04	-7.44e-03	-0.07	1.79e-04	9.30e-05	0.0
1024	70	1.82e-03	-3.59e-03	-0.08	1.76e-04	9.44e-05	0.0
1024	72	1.58e-03	-3.07e-03	-0.07	1.51e-04	8.15e-05	0.0
1025	2	1.86e-03	-5.03e-03	-0.11	2.52e-04	9.89e-05	0.0
1025	10	3.77e-03	-3.55e-03	-0.07	1.58e-04	6.87e-05	0.0
1025	24	3.06e-04	-5.98e-03	-0.08	1.81e-04	6.68e-05	0.0
1025	42	5.31e-03	-3.83e-03	-0.07	1.60e-04	7.28e-05	0.0
1025	56	-1.97e-04	-7.69e-03	-0.08	1.96e-04	6.98e-05	0.0
1025	70	1.39e-03	-3.76e-03	-0.08	1.88e-04	7.41e-05	0.0
1025	72	1.21e-03	-3.21e-03	-0.07	1.61e-04	6.42e-05	0.0
1026	2	-5.30e-04	-5.43e-03	-0.11	2.71e-04	-3.18e-05	0.0
1026	11	-2.96e-03	-2.90e-03	-0.08	1.61e-04	-2.55e-05	0.0
1026	24	-1.24e-03	-6.30e-03	-0.08	1.94e-04	-2.39e-05	0.0
1026	43	-4.53e-03	-2.66e-03	-0.07	1.59e-04	-2.97e-05	0.0
1026	56	-1.79e-03	-8.05e-03	-0.08	2.10e-04	-2.71e-05	0.0
1026	70	-3.92e-04	-4.05e-03	-0.08	2.02e-04	-2.36e-05	0.0
1026	72	-3.15e-04	-3.46e-03	-0.08	1.73e-04	-1.94e-05	0.0
1027	2	-1.42e-03	-5.35e-03	-0.11	2.61e-04	-7.65e-05	0.0
1027	11	-3.35e-03	-2.84e-03	-0.07	1.55e-04	-4.49e-05	0.0
1027	24	-1.76e-03	-6.21e-03	-0.08	1.84e-04	-5.18e-05	0.0
1027	43	-4.82e-03	-2.58e-03	-0.07	1.51e-04	-4.43e-05	0.0
1027	56	-2.30e-03	-7.94e-03	-0.08	1.98e-04	-5.54e-05	0.0
1027	70	-1.06e-03	-3.99e-03	-0.08	1.95e-04	-5.71e-05	0.0
1027	72	-8.93e-04	-3.42e-03	-0.08	1.68e-04	-4.81e-05	0.0
1028	2	-1.35e-03	-4.85e-03	-0.10	2.39e-04	-7.29e-05	0.0
1028	11	-3.23e-03	-2.58e-03	-0.07	1.42e-04	-3.88e-05	0.0
1028	24	-1.67e-03	-5.84e-03	-0.07	1.67e-04	-4.75e-05	0.0
1028	28	-1.63e-03	-5.78e-03	-0.07	1.67e-04	-4.78e-05	0.0
1028	43	-4.67e-03	-2.34e-03	-0.07	1.39e-04	-3.61e-05	0.0
1028	56	-2.17e-03	-7.52e-03	-0.08	1.78e-04	-4.99e-05	0.0
1028	60	-2.12e-03	-7.42e-03	-0.08	1.79e-04	-5.04e-05	0.0
1028	70	-1.01e-03	-3.62e-03	-0.08	1.78e-04	-5.43e-05	0.0
1028	72	-8.46e-04	-3.11e-03	-0.07	1.54e-04	-4.56e-05	0.0
1029	2	-8.62e-04	-4.49e-03	-0.10	2.22e-04	-4.70e-05	0.0
1029	11	-2.89e-03	-2.41e-03	-0.07	1.35e-04	-2.12e-05	0.0
1029	24	-1.32e-03	-5.60e-03	-0.07	1.56e-04	-2.91e-05	0.0
1029	43	-4.31e-03	-2.20e-03	-0.07	1.33e-04	-1.76e-05	0.0
1029	56	-1.80e-03	-7.27e-03	-0.07	1.66e-04	-3.02e-05	0.0
1029	70	-6.40e-04	-3.35e-03	-0.08	1.66e-04	-3.49e-05	0.0
1029	72	-5.25e-04	-2.89e-03	-0.07	1.43e-04	-2.88e-05	0.0
1030	2	-1.87e-04	-4.35e-03	-0.10	2.15e-04	-1.18e-05	0.0
1030	11	-2.48e-03	-2.37e-03	-0.07	1.32e-04	-1.06e-06	0.0
1030	24	-8.73e-04	-5.53e-03	-0.07	1.52e-04	-1.37e-06	0.0
1030	43	-3.89e-03	-2.18e-03	-0.07	1.32e-04	1.49e-06	0.0
1030	56	-1.34e-03	-7.20e-03	-0.07	1.62e-04	0.0	0.0
1030	70	-1.34e-04	-3.25e-03	-0.07	1.61e-04	-8.53e-06	0.0
1030	72	-8.80e-05	-2.81e-03	-0.07	1.39e-04	-6.00e-06	0.0
1031	2	4.80e-04	-4.44e-03	-0.10	2.19e-04	2.30e-05	0.0



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1031	10	2.78e-03	-3.06e-03	-0.07	1.37e-04	1.34e-05	0.0
1031	24	-4.72e-04	-5.63e-03	-0.07	1.56e-04	2.06e-05	0.0
1031	42	4.22e-03	-3.23e-03	-0.07	1.37e-04	1.18e-05	0.0
1031	56	-9.49e-04	-7.33e-03	-0.07	1.67e-04	2.33e-05	0.0
1031	70	3.65e-04	-3.32e-03	-0.07	1.64e-04	1.75e-05	0.0
1031	72	3.42e-04	-2.87e-03	-0.07	1.42e-04	1.64e-05	0.0
1032	2	9.29e-04	-4.72e-03	-0.10	2.32e-04	4.66e-05	0.0
1032	10	3.14e-03	-3.23e-03	-0.07	1.45e-04	3.18e-05	0.0
1032	24	-2.43e-04	-5.89e-03	-0.07	1.67e-04	3.47e-05	0.0
1032	42	4.63e-03	-3.41e-03	-0.07	1.46e-04	3.26e-05	0.0
1032	56	-7.45e-04	-7.63e-03	-0.08	1.80e-04	3.73e-05	0.0
1032	70	7.00e-04	-3.53e-03	-0.08	1.73e-04	3.51e-05	0.0
1032	72	6.26e-04	-3.06e-03	-0.07	1.50e-04	3.14e-05	0.0
1033	2	8.01e-04	-4.93e-03	-0.10	2.43e-04	4.10e-05	0.0
1033	10	3.25e-03	-3.40e-03	-0.07	1.54e-04	3.55e-05	0.0
1033	24	-4.20e-04	-6.04e-03	-0.08	1.75e-04	2.58e-05	0.0
1033	26	1.08e-03	-6.04e-03	-0.08	1.74e-04	3.04e-05	0.0
1033	42	4.87e-03	-3.59e-03	-0.07	1.56e-04	4.11e-05	0.0
1033	56	-9.68e-04	-7.79e-03	-0.08	1.90e-04	2.58e-05	0.0
1033	58	1.42e-03	-7.79e-03	-0.08	1.88e-04	3.30e-05	0.0
1033	70	6.02e-04	-3.69e-03	-0.08	1.82e-04	3.08e-05	0.0
1033	72	5.27e-04	-3.19e-03	-0.07	1.57e-04	2.70e-05	0.0
1034	2	3.33e-04	-5.10e-03	-0.11	2.50e-04	1.58e-05	0.0
1034	10	2.98e-03	-3.46e-03	-0.07	1.59e-04	1.90e-05	0.0
1034	24	-7.44e-04	-6.16e-03	-0.08	1.80e-04	4.40e-06	0.0
1034	42	4.62e-03	-3.62e-03	-0.07	1.62e-04	2.45e-05	0.0
1034	56	-1.31e-03	-7.93e-03	-0.08	1.95e-04	1.21e-06	0.0
1034	70	2.50e-04	-3.82e-03	-0.08	1.87e-04	1.18e-05	0.0
1034	72	2.21e-04	-3.30e-03	-0.07	1.62e-04	1.02e-05	0.0
1035	2	1.28e-04	-5.08e-03	-0.11	2.49e-04	4.54e-06	0.0
1035	10	2.65e-03	-3.46e-03	-0.07	1.61e-04	3.53e-06	0.0
1035	22	6.31e-04	-6.02e-03	-0.08	1.78e-04	-1.55e-06	0.0
1035	26	5.71e-04	-6.14e-03	-0.08	1.78e-04	-1.76e-06	0.0
1035	42	4.18e-03	-3.64e-03	-0.07	1.64e-04	4.66e-06	0.0
1035	54	9.69e-04	-7.70e-03	-0.08	1.91e-04	-3.41e-06	0.0
1035	58	8.74e-04	-7.89e-03	-0.08	1.91e-04	-3.75e-06	0.0
1035	70	9.30e-05	-3.80e-03	-0.08	1.86e-04	3.24e-06	0.0
1035	72	6.53e-05	-3.29e-03	-0.07	1.62e-04	1.94e-06	0.0
1036	2	3.63e-04	-5.03e-03	-0.11	2.47e-04	1.69e-05	0.0
1036	10	2.72e-03	-3.41e-03	-0.07	1.59e-04	7.04e-06	0.0
1036	22	7.56e-04	-5.92e-03	-0.08	1.74e-04	5.01e-06	0.0
1036	26	7.02e-04	-6.05e-03	-0.08	1.74e-04	5.14e-06	0.0
1036	42	4.21e-03	-3.57e-03	-0.07	1.62e-04	6.01e-06	0.0
1036	54	1.09e-03	-7.57e-03	-0.08	1.86e-04	2.76e-06	0.0
1036	58	1.00e-03	-7.78e-03	-0.08	1.86e-04	2.98e-06	0.0
1036	70	2.68e-04	-3.76e-03	-0.08	1.85e-04	1.24e-05	0.0
1036	72	2.10e-04	-3.25e-03	-0.07	1.60e-04	9.54e-06	0.0
1037	2	6.90e-04	-5.14e-03	-0.11	2.52e-04	3.43e-05	0.0
1037	10	2.91e-03	-3.44e-03	-0.07	1.61e-04	1.73e-05	0.0
1037	26	9.09e-04	-6.11e-03	-0.08	1.76e-04	2.20e-05	0.0
1037	28	-4.20e-04	-5.96e-03	-0.08	1.76e-04	2.25e-05	0.0
1037	42	4.39e-03	-3.59e-03	-0.07	1.64e-04	1.60e-05	0.0
1037	58	1.21e-03	-7.83e-03	-0.08	1.88e-04	2.34e-05	0.0
1037	60	-9.01e-04	-7.60e-03	-0.08	1.87e-04	2.42e-05	0.0
1037	70	5.13e-04	-3.84e-03	-0.08	1.89e-04	2.54e-05	0.0
1037	72	4.20e-04	-3.32e-03	-0.08	1.63e-04	2.07e-05	0.0
1038	2	8.14e-04	-5.39e-03	-0.11	2.64e-04	4.10e-05	0.0
1038	10	3.03e-03	-3.58e-03	-0.08	1.68e-04	2.50e-05	0.0
1038	26	9.92e-04	-6.29e-03	-0.08	1.84e-04	2.65e-05	0.0
1038	28	-3.51e-04	-6.14e-03	-0.08	1.84e-04	2.62e-05	0.0
1038	42	4.54e-03	-3.71e-03	-0.08	1.71e-04	2.56e-05	0.0
1038	58	1.30e-03	-8.03e-03	-0.08	1.96e-04	2.81e-05	0.0
1038	60	-8.37e-04	-7.79e-03	-0.08	1.95e-04	2.77e-05	0.0
1038	70	6.05e-04	-4.03e-03	-0.08	1.97e-04	3.05e-05	0.0
1038	72	5.01e-04	-3.48e-03	-0.08	1.70e-04	2.51e-05	0.0
1039	2	-2.41e-03	-5.42e-03	-0.10	2.57e-04	-1.21e-04	0.0
1039	8	-4.63e-03	-3.50e-03	-0.08	1.74e-04	-1.11e-04	0.0
1039	12	-4.46e-03	-4.13e-03	-0.08	1.77e-04	-1.11e-04	0.0
1039	36	-2.12e-03	-6.99e-03	-0.08	1.87e-04	-9.10e-05	0.0
1039	40	-6.41e-03	-3.55e-03	-0.08	1.81e-04	-1.28e-04	0.0
1039	44	-6.13e-03	-4.56e-03	-0.08	1.86e-04	-1.29e-04	0.0
1039	68	-2.41e-03	-9.10e-03	-0.08	2.02e-04	-9.66e-05	0.0
1039	70	-1.82e-03	-4.06e-03	-0.08	1.93e-04	-9.15e-05	0.0
1039	72	-1.67e-03	-3.54e-03	-0.07	1.68e-04	-8.35e-05	0.0
1040	2	-2.37e-03	5.25e-03	-0.10	-2.52e-04	-1.20e-04	0.0
1040	15	-4.58e-03	3.37e-03	-0.08	-1.70e-04	-1.09e-04	0.0



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1040	19	-4.40e-03	4.00e-03	-0.08	-1.73e-04	-1.10e-04	0.0
1040	31	-2.08e-03	6.86e-03	-0.08	-1.84e-04	-8.97e-05	0.0
1040	47	-6.34e-03	3.40e-03	-0.08	-1.76e-04	-1.26e-04	0.0
1040	51	-6.05e-03	4.41e-03	-0.08	-1.81e-04	-1.27e-04	0.0
1040	63	-2.36e-03	8.95e-03	-0.08	-1.98e-04	-9.51e-05	0.0
1040	70	-1.79e-03	3.94e-03	-0.08	-1.89e-04	-9.06e-05	0.0
1040	72	-1.64e-03	3.43e-03	-0.07	-1.65e-04	-8.27e-05	0.0
1041	2	-2.42e-03	-5.48e-03	-0.10	2.61e-04	-1.15e-04	0.0
1041	8	-4.58e-03	-4.13e-03	-0.07	1.79e-04	-1.05e-04	0.0
1041	12	-4.57e-03	-4.76e-03	-0.07	1.82e-04	-1.06e-04	0.0
1041	36	-2.64e-03	-7.02e-03	-0.07	1.90e-04	-8.61e-05	0.0
1041	40	-6.33e-03	-4.51e-03	-0.07	1.87e-04	-1.22e-04	0.0
1041	44	-6.32e-03	-5.52e-03	-0.08	1.92e-04	-1.22e-04	0.0
1041	68	-3.24e-03	-9.12e-03	-0.07	2.05e-04	-9.13e-05	0.0
1041	70	-1.83e-03	-4.11e-03	-0.07	1.96e-04	-8.70e-05	0.0
1041	72	-1.66e-03	-3.59e-03	-0.07	1.72e-04	-7.92e-05	0.0
1042	2	-1.88e-03	-4.77e-03	-0.08	2.32e-04	-9.05e-05	0.0
1042	11	-4.13e-03	-2.31e-03	-0.06	1.56e-04	-8.39e-05	0.0
1042	12	-3.99e-03	-4.25e-03	-0.06	1.65e-04	-8.45e-05	0.0
1042	36	-1.81e-03	-6.41e-03	-0.06	1.65e-04	-6.73e-05	0.0
1042	43	-5.81e-03	-1.88e-03	-0.06	1.61e-04	-9.72e-05	0.0
1042	44	-5.59e-03	-4.96e-03	-0.07	1.75e-04	-9.81e-05	0.0
1042	68	-2.12e-03	-8.40e-03	-0.06	1.75e-04	-7.08e-05	0.0
1042	70	-1.42e-03	-3.58e-03	-0.06	1.74e-04	-6.84e-05	0.0
1042	72	-1.30e-03	-3.15e-03	-0.06	1.54e-04	-6.29e-05	0.0
1043	2	-1.43e-03	-3.92e-03	-0.07	1.91e-04	-6.91e-05	0.0
1043	11	-3.68e-03	-1.81e-03	-0.05	1.31e-04	-6.49e-05	0.0
1043	12	-3.56e-03	-3.68e-03	-0.06	1.36e-04	-6.43e-05	0.0
1043	36	-1.52e-03	-5.76e-03	-0.05	1.34e-04	-5.04e-05	0.0
1043	43	-5.27e-03	-1.40e-03	-0.06	1.36e-04	-7.52e-05	0.0
1043	44	-5.09e-03	-4.38e-03	-0.06	1.44e-04	-7.43e-05	0.0
1043	68	-1.84e-03	-7.69e-03	-0.05	1.40e-04	-5.21e-05	0.0
1043	70	-1.08e-03	-2.94e-03	-0.05	1.44e-04	-5.22e-05	0.0
1043	72	-1.00e-03	-2.59e-03	-0.05	1.27e-04	-4.84e-05	0.0
1044	2	-1.09e-03	-2.92e-03	-0.06	1.42e-04	-5.25e-05	0.0
1044	11	-3.35e-03	-1.22e-03	-0.05	9.89e-05	-5.01e-05	0.0
1044	12	-3.26e-03	-3.04e-03	-0.05	1.02e-04	-4.96e-05	0.0
1044	36	-1.34e-03	-5.04e-03	-0.05	9.80e-05	-3.87e-05	0.0
1044	43	-4.88e-03	-8.27e-04	-0.05	1.03e-04	-5.82e-05	0.0
1044	44	-4.73e-03	-3.73e-03	-0.05	1.08e-04	-5.73e-05	0.0
1044	68	-1.68e-03	-6.91e-03	-0.05	1.02e-04	-4.00e-05	0.0
1044	70	-8.28e-04	-2.19e-03	-0.05	1.07e-04	-3.97e-05	0.0
1044	72	-7.73e-04	-1.93e-03	-0.05	9.46e-05	-3.71e-05	0.0
1045	2	-8.69e-04	-1.85e-03	-0.06	9.05e-05	-4.12e-05	0.0
1045	11	-3.11e-03	-9.54e-06	-0.04	6.38e-05	-4.00e-05	0.0
1045	12	-3.06e-03	-1.81e-03	-0.04	6.54e-05	-3.96e-05	0.0
1045	36	-1.23e-03	-4.30e-03	-0.04	6.16e-05	-3.10e-05	0.0
1045	43	-4.59e-03	6.85e-04	-0.05	6.71e-05	-4.66e-05	0.0
1045	44	-4.50e-03	-2.17e-03	-0.05	6.96e-05	-4.59e-05	0.0
1045	68	-1.60e-03	-6.14e-03	-0.04	6.37e-05	-3.22e-05	0.0
1045	70	-6.57e-04	-1.39e-03	-0.04	6.80e-05	-3.11e-05	0.0
1045	72	-6.19e-04	-1.23e-03	-0.04	6.02e-05	-2.94e-05	0.0
1046	2	-7.49e-04	-7.69e-04	-0.05	3.73e-05	-3.52e-05	0.0
1046	11	-2.97e-03	7.09e-04	-0.04	2.75e-05	-3.44e-05	0.0
1046	12	-2.95e-03	-1.07e-03	-0.04	2.83e-05	-3.42e-05	0.0
1046	36	-1.21e-03	-3.57e-03	-0.04	2.59e-05	-2.72e-05	0.0
1046	43	-4.41e-03	1.42e-03	-0.04	2.95e-05	-3.99e-05	0.0
1046	44	-4.37e-03	-1.41e-03	-0.04	3.09e-05	-3.96e-05	0.0
1046	68	-1.61e-03	-5.38e-03	-0.04	2.69e-05	-2.86e-05	0.0
1046	70	-5.67e-04	-5.77e-04	-0.04	2.80e-05	-2.66e-05	0.0
1046	72	-5.37e-04	-5.11e-04	-0.04	2.48e-05	-2.53e-05	0.0
1047	2	-7.31e-04	3.23e-04	-0.05	-1.62e-05	-3.42e-05	0.0
1047	15	-2.94e-03	2.16e-04	-0.04	-1.37e-05	-3.33e-05	0.0
1047	20	-2.95e-03	-1.00e-03	-0.04	-1.30e-05	-3.34e-05	0.0
1047	31	-1.22e-03	3.27e-03	-0.04	-1.12e-05	-2.68e-05	0.0
1047	47	-4.38e-03	2.16e-04	-0.04	-1.56e-05	-3.86e-05	0.0
1047	52	-4.38e-03	-1.72e-03	-0.04	-1.44e-05	-3.87e-05	0.0
1047	63	-1.64e-03	5.08e-03	-0.04	-1.17e-05	-2.83e-05	0.0
1047	70	-5.53e-04	2.42e-04	-0.04	-1.22e-05	-2.59e-05	0.0
1047	72	-5.25e-04	2.14e-04	-0.04	-1.08e-05	-2.46e-05	0.0
1048	2	-8.15e-04	1.41e-03	-0.05	-6.95e-05	-3.84e-05	0.0
1048	19	-3.01e-03	1.51e-03	-0.04	-5.07e-05	-3.72e-05	0.0
1048	20	-3.06e-03	-2.79e-04	-0.04	-4.95e-05	-3.75e-05	0.0
1048	31	-1.22e-03	4.00e-03	-0.04	-4.73e-05	-2.92e-05	0.0
1048	51	-4.45e-03	1.87e-03	-0.04	-5.42e-05	-4.31e-05	0.0
1048	52	-4.52e-03	-9.77e-04	-0.04	-5.23e-05	-4.36e-05	0.0



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1048	63	-1.60e-03	5.83e-03	-0.04	-4.89e-05	-3.05e-05	0.0
1048	70	-6.16e-04	1.06e-03	-0.04	-5.22e-05	-2.90e-05	0.0
1048	72	-5.82e-04	9.37e-04	-0.04	-4.62e-05	-2.75e-05	0.0
1049	2	-1.00e-03	2.48e-03	-0.06	-1.22e-04	-4.77e-05	0.0
1049	19	-3.18e-03	2.24e-03	-0.05	-8.75e-05	-4.54e-05	0.0
1049	20	-3.26e-03	4.22e-04	-0.05	-8.52e-05	-4.59e-05	0.0
1049	31	-1.29e-03	4.74e-03	-0.05	-8.37e-05	-3.55e-05	0.0
1049	51	-4.64e-03	2.62e-03	-0.05	-9.28e-05	-5.26e-05	0.0
1049	52	-4.77e-03	-2.67e-04	-0.05	-8.91e-05	-5.33e-05	0.0
1049	63	-1.64e-03	6.60e-03	-0.05	-8.67e-05	-3.68e-05	0.0
1049	70	-7.58e-04	1.87e-03	-0.05	-9.17e-05	-3.61e-05	0.0
1049	72	-7.10e-04	1.65e-03	-0.04	-8.11e-05	-3.38e-05	0.0
1050	2	-1.31e-03	3.51e-03	-0.07	-1.72e-04	-6.26e-05	0.0
1050	19	-3.45e-03	3.42e-03	-0.05	-1.23e-04	-5.85e-05	0.0
1050	20	-3.56e-03	1.57e-03	-0.05	-1.19e-04	-5.90e-05	0.0
1050	31	-1.45e-03	5.47e-03	-0.05	-1.20e-04	-4.58e-05	0.0
1050	51	-4.96e-03	4.11e-03	-0.05	-1.30e-04	-6.76e-05	0.0
1050	52	-5.13e-03	1.17e-03	-0.05	-1.23e-04	-6.84e-05	0.0
1050	63	-1.78e-03	7.37e-03	-0.05	-1.25e-04	-4.74e-05	0.0
1050	70	-9.87e-04	2.64e-03	-0.05	-1.29e-04	-4.73e-05	0.0
1050	72	-9.16e-04	2.33e-03	-0.05	-1.14e-04	-4.39e-05	0.0
1051	2	-1.74e-03	4.43e-03	-0.08	-2.17e-04	-8.30e-05	0.0
1051	19	-3.85e-03	4.02e-03	-0.06	-1.54e-04	-7.72e-05	0.0
1051	20	-3.98e-03	2.12e-03	-0.06	-1.47e-04	-7.67e-05	0.0
1051	31	-1.72e-03	6.15e-03	-0.06	-1.53e-04	-6.18e-05	0.0
1051	51	-5.42e-03	4.73e-03	-0.06	-1.63e-04	-8.94e-05	0.0
1051	52	-5.63e-03	1.69e-03	-0.06	-1.52e-04	-8.87e-05	0.0
1051	63	-2.03e-03	8.11e-03	-0.06	-1.62e-04	-6.49e-05	0.0
1051	70	-1.31e-03	3.33e-03	-0.06	-1.63e-04	-6.27e-05	0.0
1051	72	-1.21e-03	2.93e-03	-0.06	-1.44e-04	-5.77e-05	0.0
1052	2	-2.36e-03	5.27e-03	-0.09	-2.53e-04	-1.11e-04	0.0
1052	15	-4.48e-03	3.99e-03	-0.07	-1.74e-04	-9.99e-05	0.0
1052	19	-4.47e-03	4.61e-03	-0.07	-1.77e-04	-1.00e-04	0.0
1052	31	-2.56e-03	6.83e-03	-0.07	-1.83e-04	-8.27e-05	0.0
1052	47	-6.20e-03	4.36e-03	-0.07	-1.82e-04	-1.15e-04	0.0
1052	51	-6.18e-03	5.35e-03	-0.07	-1.87e-04	-1.16e-04	0.0
1052	63	-3.14e-03	8.89e-03	-0.07	-1.96e-04	-8.77e-05	0.0
1052	70	-1.78e-03	3.95e-03	-0.07	-1.90e-04	-8.36e-05	0.0
1052	72	-1.62e-03	3.46e-03	-0.06	-1.67e-04	-7.61e-05	0.0
1053	2	-2.24e-03	5.15e-03	-0.12	-2.45e-04	-1.23e-04	0.0
1053	15	-4.63e-03	3.30e-03	-0.09	-1.66e-04	-1.14e-04	0.0
1053	19	-4.42e-03	3.93e-03	-0.09	-1.70e-04	-1.15e-04	0.0
1053	31	-1.97e-03	6.80e-03	-0.09	-1.81e-04	-9.38e-05	0.0
1053	51	-6.12e-03	4.33e-03	-0.09	-1.78e-04	-1.34e-04	0.0
1053	52	-6.46e-03	1.07e-03	-0.09	-1.55e-04	-1.29e-04	0.0
1053	63	-2.22e-03	8.89e-03	-0.09	-1.96e-04	-1.00e-04	0.0
1053	70	-1.70e-03	3.86e-03	-0.09	-1.84e-04	-9.28e-05	0.0
1053	72	-1.56e-03	3.36e-03	-0.08	-1.61e-04	-8.47e-05	0.0
1054	2	-2.21e-03	-5.31e-03	-0.12	2.49e-04	-1.23e-04	0.0
1054	11	-4.62e-03	-1.99e-03	-0.08	1.58e-04	-1.13e-04	0.0
1054	12	-4.41e-03	-4.05e-03	-0.09	1.73e-04	-1.16e-04	0.0
1054	36	-1.95e-03	-6.92e-03	-0.09	1.84e-04	-9.44e-05	0.0
1054	43	-6.45e-03	-1.19e-03	-0.09	1.59e-04	-1.31e-04	0.0
1054	44	-6.12e-03	-4.48e-03	-0.09	1.82e-04	-1.36e-04	0.0
1054	68	-2.21e-03	-9.04e-03	-0.09	1.99e-04	-1.01e-04	0.0
1054	70	-1.67e-03	-3.98e-03	-0.09	1.87e-04	-9.32e-05	0.0
1054	72	-1.54e-03	-3.47e-03	-0.08	1.63e-04	-8.50e-05	0.0
1055	2	-1.74e-03	-5.79e-03	-0.09	2.78e-04	-9.28e-05	0.0
1055	11	-3.68e-03	-3.34e-03	-0.06	1.64e-04	-6.02e-05	0.0
1055	22	-5.29e-04	-6.38e-03	-0.07	1.93e-04	-6.13e-05	0.0
1055	26	-5.90e-04	-6.57e-03	-0.07	1.93e-04	-6.16e-05	0.0
1055	43	-5.21e-03	-3.20e-03	-0.06	1.60e-04	-6.14e-05	0.0
1055	54	-2.02e-04	-8.05e-03	-0.07	2.06e-04	-6.32e-05	0.0
1055	58	-2.99e-04	-8.34e-03	-0.07	2.05e-04	-6.37e-05	0.0
1055	70	-1.30e-03	-4.33e-03	-0.07	2.08e-04	-6.96e-05	0.0
1055	72	-1.13e-03	-3.72e-03	-0.07	1.79e-04	-6.03e-05	0.0
1056	2	-1.71e-03	5.78e-03	-0.09	-2.78e-04	-9.24e-05	0.0
1056	20	-3.65e-03	3.35e-03	-0.06	-1.64e-04	-5.97e-05	0.0
1056	21	-5.83e-04	6.56e-03	-0.07	-1.93e-04	-6.14e-05	0.0
1056	25	-5.22e-04	6.37e-03	-0.07	-1.93e-04	-6.12e-05	0.0
1056	52	-5.17e-03	3.22e-03	-0.06	-1.61e-04	-6.09e-05	0.0
1056	53	-2.97e-04	8.33e-03	-0.07	-2.05e-04	-6.36e-05	0.0
1056	57	-1.98e-04	8.03e-03	-0.07	-2.05e-04	-6.32e-05	0.0
1056	70	-1.28e-03	4.32e-03	-0.07	-2.07e-04	-6.93e-05	0.0
1056	72	-1.11e-03	3.71e-03	-0.07	-1.78e-04	-6.01e-05	0.0
1057	2	-1.22e-03	-5.80e-03	-0.09	2.76e-04	-7.08e-05	0.0



1057	11	-3.37e-03	-2.85e-03	-0.06	1.62e-04	-4.80e-05	0.0
1057	22	-1.74e-04	-6.50e-03	-0.06	1.91e-04	-4.53e-05	0.0
1057	26	-2.32e-04	-6.54e-03	-0.06	1.90e-04	-4.57e-05	0.0
1057	43	-4.90e-03	-2.42e-03	-0.06	1.57e-04	-4.99e-05	0.0
1057	54	1.81e-04	-8.22e-03	-0.06	2.03e-04	-4.57e-05	0.0
1057	58	8.92e-05	-8.28e-03	-0.06	2.02e-04	-4.62e-05	0.0
1057	70	-9.19e-04	-4.33e-03	-0.07	2.06e-04	-5.31e-05	0.0
1057	72	-8.05e-04	-3.73e-03	-0.06	1.78e-04	-4.64e-05	0.0
1058	2	-1.00e-03	-4.74e-03	-0.07	2.31e-04	-5.40e-05	0.0
1058	11	-3.16e-03	-2.73e-03	-0.05	1.37e-04	-3.62e-05	0.0
1058	22	-2.06e-05	-5.57e-03	-0.05	1.56e-04	-3.45e-05	0.0
1058	26	-6.72e-05	-5.74e-03	-0.05	1.56e-04	-3.47e-05	0.0
1058	43	-4.66e-03	-2.61e-03	-0.05	1.34e-04	-3.74e-05	0.0
1058	54	3.40e-04	-7.11e-03	-0.05	1.64e-04	-3.47e-05	0.0
1058	58	2.66e-04	-7.40e-03	-0.05	1.64e-04	-3.50e-05	0.0
1058	70	-7.53e-04	-3.54e-03	-0.06	1.73e-04	-4.05e-05	0.0
1058	72	-6.56e-04	-3.06e-03	-0.05	1.49e-04	-3.54e-05	0.0
1059	2	-7.05e-04	-3.80e-03	-0.06	1.86e-04	-3.80e-05	0.0
1059	11	-2.91e-03	-2.18e-03	-0.05	1.11e-04	-2.53e-05	0.0
1059	22	1.79e-04	-4.90e-03	-0.05	1.25e-04	-2.43e-05	0.0
1059	26	1.44e-04	-5.08e-03	-0.05	1.24e-04	-2.44e-05	0.0
1059	43	-4.37e-03	-2.07e-03	-0.05	1.09e-04	-2.60e-05	0.0
1059	54	5.47e-04	-6.40e-03	-0.05	1.30e-04	-2.44e-05	0.0
1059	58	4.91e-04	-6.68e-03	-0.05	1.29e-04	-2.46e-05	0.0
1059	70	-5.29e-04	-2.84e-03	-0.05	1.39e-04	-2.86e-05	0.0
1059	72	-4.62e-04	-2.46e-03	-0.05	1.21e-04	-2.50e-05	0.0
1060	2	-4.96e-04	-2.80e-03	-0.06	1.37e-04	-2.74e-05	0.0
1060	11	-2.73e-03	-1.58e-03	-0.04	8.25e-05	-1.80e-05	0.0
1060	22	3.25e-04	-4.22e-03	-0.04	9.11e-05	-1.70e-05	0.0
1060	26	3.00e-04	-4.40e-03	-0.04	9.09e-05	-1.71e-05	0.0
1060	43	-4.15e-03	-1.48e-03	-0.04	8.06e-05	-1.83e-05	0.0
1060	54	7.02e-04	-5.68e-03	-0.04	9.43e-05	-1.67e-05	0.0
1060	58	6.62e-04	-5.96e-03	-0.04	9.39e-05	-1.68e-05	0.0
1060	70	-3.73e-04	-2.09e-03	-0.04	1.03e-04	-2.06e-05	0.0
1060	72	-3.26e-04	-1.81e-03	-0.04	8.90e-05	-1.81e-05	0.0
1061	2	-3.64e-04	-1.77e-03	-0.05	8.67e-05	-2.08e-05	0.0
1061	11	-2.60e-03	-9.55e-04	-0.04	5.21e-05	-1.37e-05	0.0
1061	26	4.10e-04	-3.71e-03	-0.04	5.72e-05	-1.32e-05	0.0
1061	28	-9.65e-04	-3.52e-03	-0.04	5.67e-05	-1.33e-05	0.0
1061	43	-4.00e-03	-8.69e-04	-0.04	5.09e-05	-1.39e-05	0.0
1061	58	7.88e-04	-5.25e-03	-0.04	5.90e-05	-1.31e-05	0.0
1061	60	-1.40e-03	-4.95e-03	-0.04	5.82e-05	-1.32e-05	0.0
1061	70	-2.74e-04	-1.32e-03	-0.04	6.49e-05	-1.57e-05	0.0
1061	72	-2.41e-04	-1.15e-03	-0.04	5.63e-05	-1.39e-05	0.0
1062	2	-2.96e-04	-7.28e-04	-0.05	3.58e-05	-1.74e-05	0.0
1062	11	-2.52e-03	-3.20e-04	-0.04	2.12e-05	-1.13e-05	0.0
1062	16	-2.50e-03	-9.01e-04	-0.04	2.26e-05	-1.12e-05	0.0
1062	26	4.82e-04	-3.04e-03	-0.04	2.42e-05	-1.12e-05	0.0
1062	43	-3.90e-03	-2.41e-04	-0.04	2.05e-05	-1.13e-05	0.0
1062	48	-3.86e-03	-1.16e-03	-0.04	2.27e-05	-1.11e-05	0.0
1062	58	8.78e-04	-4.56e-03	-0.04	2.52e-05	-1.12e-05	0.0
1062	70	-2.23e-04	-5.44e-04	-0.04	2.68e-05	-1.32e-05	0.0
1062	72	-1.96e-04	-4.72e-04	-0.04	2.33e-05	-1.17e-05	0.0
1063	2	-2.83e-04	3.11e-04	-0.05	-1.52e-05	-1.69e-05	0.0
1063	7	-2.49e-03	6.41e-04	-0.04	-9.67e-06	-1.08e-05	0.0
1063	20	-2.50e-03	6.13e-05	-0.04	-8.56e-06	-1.09e-05	0.0
1063	21	5.02e-04	2.77e-03	-0.03	-1.11e-05	-1.09e-05	0.0
1063	39	-3.85e-03	9.05e-04	-0.04	-9.77e-06	-1.08e-05	0.0
1063	52	-3.87e-03	-1.58e-05	-0.04	-8.01e-06	-1.09e-05	0.0
1063	53	9.04e-04	4.29e-03	-0.03	-1.20e-05	-1.09e-05	0.0
1063	70	-2.13e-04	2.33e-04	-0.04	-1.14e-05	-1.27e-05	0.0
1063	72	-1.88e-04	2.02e-04	-0.04	-9.87e-06	-1.13e-05	0.0
1064	2	-3.24e-04	1.35e-03	-0.05	-6.61e-05	-1.90e-05	0.0
1064	20	-2.57e-03	6.98e-04	-0.04	-3.96e-05	-1.25e-05	0.0
1064	21	4.45e-04	3.44e-03	-0.04	-4.37e-05	-1.21e-05	0.0
1064	23	-9.30e-04	3.25e-03	-0.04	-4.34e-05	-1.22e-05	0.0
1064	52	-3.96e-03	6.14e-04	-0.04	-3.87e-05	-1.26e-05	0.0
1064	53	8.30e-04	4.97e-03	-0.04	-4.51e-05	-1.21e-05	0.0
1064	55	-1.36e-03	4.67e-03	-0.04	-4.46e-05	-1.21e-05	0.0
1064	70	-2.44e-04	1.01e-03	-0.04	-4.95e-05	-1.43e-05	0.0
1064	72	-2.15e-04	8.77e-04	-0.04	-4.30e-05	-1.27e-05	0.0
1065	2	-4.24e-04	2.39e-03	-0.05	-1.17e-04	-2.41e-05	0.0
1065	20	-2.67e-03	1.33e-03	-0.04	-7.03e-05	-1.58e-05	0.0
1065	21	3.54e-04	4.12e-03	-0.04	-7.72e-05	-1.51e-05	0.0
1065	25	3.78e-04	3.94e-03	-0.04	-7.74e-05	-1.51e-05	0.0
1065	52	-4.09e-03	1.24e-03	-0.04	-6.87e-05	-1.60e-05	0.0



1065	53	7.23e-04	5.67e-03	-0.04	-7.97e-05	-1.49e-05	0.0
1065	57	7.60e-04	5.39e-03	-0.04	-8.00e-05	-1.48e-05	0.0
1065	70	-3.19e-04	1.79e-03	-0.04	-8.74e-05	-1.82e-05	0.0
1065	72	-2.80e-04	1.55e-03	-0.04	-7.59e-05	-1.60e-05	0.0
1066	2	-5.91e-04	3.41e-03	-0.06	-1.67e-04	-3.28e-05	0.0
1066	20	-2.82e-03	1.94e-03	-0.04	-1.00e-04	-2.18e-05	0.0
1066	21	2.24e-04	4.81e-03	-0.04	-1.11e-04	-2.02e-05	0.0
1066	25	2.57e-04	4.63e-03	-0.04	-1.11e-04	-2.00e-05	0.0
1066	52	-4.27e-03	1.84e-03	-0.04	-9.77e-05	-2.23e-05	0.0
1066	53	-8.25e-04	6.39e-03	-0.04	-1.15e-04	-1.98e-05	0.0
1066	57	6.30e-04	6.11e-03	-0.04	-1.15e-04	-1.96e-05	0.0
1066	70	-4.44e-04	2.55e-03	-0.05	-1.25e-04	-2.46e-05	0.0
1066	72	-3.88e-04	2.21e-03	-0.04	-1.08e-04	-2.16e-05	0.0
1067	2	-8.25e-04	4.39e-03	-0.07	-2.14e-04	-4.57e-05	0.0
1067	20	-3.03e-03	2.53e-03	-0.05	-1.28e-04	-3.06e-05	0.0
1067	21	5.27e-05	5.49e-03	-0.05	-1.44e-04	-2.93e-05	0.0
1067	25	9.69e-05	5.31e-03	-0.05	-1.44e-04	-2.91e-05	0.0
1067	52	-4.51e-03	2.41e-03	-0.05	-1.24e-04	-3.16e-05	0.0
1067	53	3.91e-04	7.12e-03	-0.05	-1.50e-04	-2.96e-05	0.0
1067	57	4.62e-04	6.84e-03	-0.05	-1.51e-04	-2.92e-05	0.0
1067	70	-6.19e-04	3.28e-03	-0.05	-1.60e-04	-3.43e-05	0.0
1067	72	-5.41e-04	2.84e-03	-0.05	-1.38e-04	-3.00e-05	0.0
1068	2	-9.12e-04	5.48e-03	-0.08	-2.63e-04	-5.69e-05	0.0
1068	20	-3.16e-03	3.15e-03	-0.06	-1.55e-04	-3.93e-05	0.0
1068	21	-2.54e-05	6.29e-03	-0.06	-1.80e-04	-3.43e-05	0.0
1068	25	3.03e-05	6.11e-03	-0.06	-1.80e-04	-3.40e-05	0.0
1068	52	-4.68e-03	3.01e-03	-0.06	-1.51e-04	-4.12e-05	0.0
1068	53	3.04e-04	8.00e-03	-0.06	-1.90e-04	-3.32e-05	0.0
1068	57	3.93e-04	7.71e-03	-0.06	-1.90e-04	-3.27e-05	0.0
1068	70	-6.85e-04	4.10e-03	-0.06	-1.96e-04	-4.27e-05	0.0
1068	72	-6.05e-04	3.53e-03	-0.06	-1.69e-04	-3.75e-05	0.0
1069	2	-1.73e-03	5.05e-03	-0.11	-2.52e-04	-9.60e-05	0.0
1069	20	-3.78e-03	2.93e-03	-0.07	-1.49e-04	-6.48e-05	0.0
1069	21	-6.23e-04	6.07e-03	-0.08	-1.77e-04	-6.40e-05	0.0
1069	25	-5.44e-04	5.88e-03	-0.08	-1.77e-04	-6.35e-05	0.0
1069	52	-5.38e-03	2.83e-03	-0.07	-1.46e-04	-6.78e-05	0.0
1069	53	-3.55e-04	7.82e-03	-0.08	-1.89e-04	-6.65e-05	0.0
1069	57	-2.30e-04	7.52e-03	-0.08	-1.89e-04	-6.56e-05	0.0
1069	70	-1.30e-03	3.77e-03	-0.08	-1.88e-04	-7.19e-05	0.0
1069	72	-1.12e-03	3.24e-03	-0.07	-1.62e-04	-6.22e-05	0.0
1070	2	1.27e-04	6.43e-03	-0.12	-3.13e-04	7.07e-06	0.0
1070	17	2.82e-03	5.05e-03	-0.08	-2.00e-04	1.53e-05	0.0
1070	29	1.19e-03	7.01e-03	-0.08	-2.23e-04	7.64e-06	0.0
1070	33	1.26e-03	7.13e-03	-0.08	-2.23e-04	8.66e-06	0.0
1070	49	4.43e-03	5.73e-03	-0.08	-2.06e-04	2.18e-05	0.0
1070	61	1.84e-03	8.85e-03	-0.09	-2.42e-04	9.62e-06	0.0
1070	65	1.96e-03	9.04e-03	-0.09	-2.42e-04	1.13e-05	0.0
1070	70	9.40e-05	4.79e-03	-0.09	-2.34e-04	5.27e-06	0.0
1070	72	7.79e-05	4.08e-03	-0.08	-1.99e-04	4.47e-06	0.0
1071	2	1.81e-03	-1.27e-04	-0.72	0.0	8.98e-05	0.0
1071	6	0.09	-0.02	-0.43	-8.38e-06	1.64e-04	4.53e-05
1071	14	0.09	-0.02	-0.43	-1.23e-05	1.65e-04	-5.35e-05
1071	26	0.03	-0.07	-0.43	-3.54e-05	9.62e-05	-3.09e-05
1071	38	0.14	-0.03	-0.43	-1.34e-05	2.22e-04	7.19e-05
1071	46	0.14	-0.04	-0.43	-1.97e-05	2.22e-04	-8.49e-05
1071	58	0.04	-0.10	-0.43	-5.64e-05	1.14e-04	-4.90e-05
1071	70	1.38e-03	-9.49e-05	-0.54	0.0	6.86e-05	0.0
1071	72	1.34e-03	-8.23e-05	-0.45	0.0	6.62e-05	0.0
1072	2	4.77e-03	-2.16e-04	-0.46	0.0	2.33e-04	0.0
1072	12	-0.07	-0.01	-0.30	-4.44e-06	3.97e-05	-3.55e-05
1072	13	0.08	0.01	-0.29	8.04e-06	2.99e-04	-5.16e-05
1072	36	-0.02	-0.05	-0.29	-2.98e-05	1.31e-04	5.50e-05
1072	44	-0.12	-0.02	-0.30	-7.12e-06	-3.64e-05	-5.62e-05
1072	49	0.13	0.03	-0.28	2.00e-05	3.75e-04	-9.32e-05
1072	68	-0.03	-0.08	-0.29	-4.73e-05	1.08e-04	8.74e-05
1072	70	3.66e-03	-1.62e-04	-0.35	0.0	1.78e-04	0.0
1072	72	3.59e-03	-1.41e-04	-0.30	0.0	1.71e-04	0.0
1073	2	2.71e-04	-0.05	-0.15	2.28e-03	-8.51e-06	-2.25e-06
1073	17	0.07	4.75e-03	-0.11	1.29e-03	-4.97e-05	3.73e-05
1073	33	0.02	0.06	-0.11	1.19e-03	-2.94e-05	1.65e-04
1073	36	-0.02	-0.12	-0.10	1.49e-03	-3.12e-06	-1.68e-04
1073	49	0.10	0.02	-0.11	1.26e-03	-6.94e-05	6.00e-05
1073	65	0.03	0.12	-0.11	1.09e-03	-3.72e-05	2.63e-04
1073	68	-0.03	-0.17	-0.10	1.59e-03	4.62e-06	-2.66e-04
1073	70	1.86e-04	-0.04	-0.11	1.70e-03	-7.81e-06	-1.66e-06
1073	72	6.03e-05	-0.03	-0.11	1.41e-03	-1.46e-05	-1.30e-06



1074	2	2.54e-04	0.05	-0.15	-2.28e-03	-8.59e-06	3.50e-06
1074	10	0.07	-4.74e-03	-0.11	-1.29e-03	-4.97e-05	-3.67e-05
1074	30	0.02	-0.06	-0.11	-1.19e-03	-2.95e-05	-1.65e-04
1074	31	-0.02	0.12	-0.10	-1.49e-03	-3.19e-06	1.69e-04
1074	42	0.10	-0.02	-0.11	-1.26e-03	-6.94e-05	-5.95e-05
1074	62	0.03	-0.12	-0.11	-1.09e-03	-3.72e-05	-2.63e-04
1074	63	-0.03	0.17	-0.10	-1.59e-03	4.54e-06	2.67e-04
1074	70	1.74e-04	0.04	-0.11	-1.70e-03	-7.87e-06	2.59e-06
1074	72	4.95e-05	0.03	-0.11	-1.41e-03	-1.46e-05	2.10e-06
1075	1	2.86e-04	-0.04	-0.13	2.15e-03	-2.58e-06	0.0
1075	2	1.45e-04	-0.06	-0.14	2.85e-03	-9.22e-06	0.0
1075	17	0.07	-3.00e-03	-0.10	1.59e-03	-3.36e-05	-1.82e-05
1075	31	-0.01	0.08	-0.10	1.47e-03	1.53e-06	-8.73e-05
1075	34	0.02	-0.15	-0.10	1.84e-03	-8.30e-06	9.22e-05
1075	49	0.10	0.02	-0.10	1.56e-03	-5.22e-05	-2.93e-05
1075	65	0.03	0.14	-0.11	1.35e-03	-2.12e-05	-1.38e-04
1075	66	0.03	-0.21	-0.09	1.95e-03	-1.20e-05	1.46e-04
1075	69	2.21e-04	-0.03	-0.10	1.65e-03	-1.98e-06	0.0
1075	70	1.27e-04	-0.04	-0.11	2.12e-03	-6.40e-06	0.0
1075	71	2.21e-04	-0.03	-0.10	1.65e-03	-1.98e-06	0.0
1075	72	2.02e-04	-0.04	-0.10	1.75e-03	-2.86e-06	0.0
1076	1	2.77e-04	0.04	-0.13	-2.15e-03	-2.59e-06	0.0
1076	2	1.34e-04	0.06	-0.14	-2.85e-03	-9.23e-06	-1.10e-06
1076	10	0.07	3.08e-03	-0.10	-1.59e-03	-3.37e-05	1.78e-05
1076	29	0.02	0.15	-0.10	-1.84e-03	-8.33e-06	-9.24e-05
1076	36	-0.01	-0.08	-0.10	-1.47e-03	1.55e-06	8.74e-05
1076	42	0.10	-0.02	-0.10	-1.56e-03	-5.24e-05	2.87e-05
1076	61	0.03	0.21	-0.09	-1.95e-03	-1.21e-05	-1.46e-04
1076	62	0.03	-0.14	-0.11	-1.35e-03	-2.13e-05	1.37e-04
1076	69	2.14e-04	0.03	-0.10	-1.65e-03	-1.98e-06	0.0
1076	70	1.18e-04	0.04	-0.11	-2.12e-03	-6.41e-06	0.0
1076	71	2.14e-04	0.03	-0.10	-1.65e-03	-1.98e-06	0.0
1076	72	1.94e-04	0.04	-0.10	-1.75e-03	-2.87e-06	0.0
1077	2	2.82e-04	0.06	-0.15	-2.69e-03	4.60e-06	0.0
1077	10	0.07	0.01	-0.11	-1.53e-03	-2.91e-05	4.76e-06
1077	22	0.02	-0.07	-0.11	-1.39e-03	-5.80e-06	-1.90e-05
1077	25	0.01	0.14	-0.10	-1.74e-03	-4.49e-06	1.92e-05
1077	42	0.10	-4.21e-04	-0.11	-1.50e-03	-4.78e-05	7.63e-06
1077	54	0.03	-0.13	-0.11	-1.29e-03	-1.09e-05	-3.01e-05
1077	57	0.02	0.20	-0.10	-1.84e-03	-8.76e-06	3.05e-05
1077	70	2.14e-04	0.04	-0.11	-2.00e-03	3.43e-06	0.0
1077	72	2.01e-04	0.03	-0.11	-1.65e-03	2.90e-06	0.0
1078	2	2.87e-04	-0.06	-0.15	2.69e-03	4.58e-06	0.0
1078	17	0.07	-0.01	-0.11	1.53e-03	-2.90e-05	-4.99e-06
1078	22	0.01	-0.14	-0.10	1.74e-03	-4.47e-06	-1.94e-05
1078	25	0.02	0.07	-0.11	1.39e-03	-5.79e-06	1.89e-05
1078	49	0.10	3.43e-04	-0.11	1.50e-03	-4.77e-05	-7.96e-06
1078	54	0.02	-0.20	-0.10	1.84e-03	-8.72e-06	-3.06e-05
1078	57	0.03	0.13	-0.11	1.29e-03	-1.08e-05	3.00e-05
1078	70	2.18e-04	-0.04	-0.11	2.00e-03	3.42e-06	0.0
1078	72	2.05e-04	-0.03	-0.11	1.65e-03	2.89e-06	0.0
1079	2	-2.27e-03	-4.81e-03	-0.10	2.35e-04	-1.21e-04	0.0
1079	11	-3.96e-03	-2.76e-03	-0.07	1.38e-04	-7.26e-05	0.0
1079	22	-9.16e-04	-5.70e-03	-0.07	1.64e-04	-8.18e-05	0.0
1079	26	-9.80e-04	-5.90e-03	-0.07	1.64e-04	-8.17e-05	0.0
1079	43	-5.47e-03	-2.63e-03	-0.07	1.33e-04	-7.14e-05	0.0
1079	54	-6.31e-04	-7.32e-03	-0.07	1.75e-04	-8.59e-05	0.0
1079	58	-7.34e-04	-7.62e-03	-0.07	1.74e-04	-8.58e-05	0.0
1079	70	-1.70e-03	-3.59e-03	-0.08	1.76e-04	-9.08e-05	0.0
1079	72	-1.46e-03	-3.10e-03	-0.07	1.52e-04	-7.80e-05	0.0
1080	2	-2.00e-03	-4.85e-03	-0.09	2.37e-04	-1.07e-04	0.0
1080	11	-3.77e-03	-2.79e-03	-0.06	1.40e-04	-6.43e-05	0.0
1080	22	-7.00e-04	-5.71e-03	-0.06	1.64e-04	-7.06e-05	0.0
1080	26	-7.56e-04	-5.90e-03	-0.06	1.64e-04	-7.05e-05	0.0
1080	43	-5.27e-03	-2.67e-03	-0.06	1.35e-04	-6.34e-05	0.0
1080	54	-3.86e-04	-7.30e-03	-0.07	1.75e-04	-7.34e-05	0.0
1080	58	-4.75e-04	-7.61e-03	-0.07	1.74e-04	-7.33e-05	0.0
1080	70	-1.50e-03	-3.62e-03	-0.07	1.77e-04	-7.98e-05	0.0
1080	72	-1.29e-03	-3.12e-03	-0.06	1.53e-04	-6.86e-05	0.0
1081	2	-1.98e-03	4.82e-03	-0.09	-2.36e-04	-1.06e-04	0.0
1081	20	-3.75e-03	2.78e-03	-0.06	-1.39e-04	-6.40e-05	0.0
1081	21	-7.45e-04	5.88e-03	-0.06	-1.63e-04	-7.03e-05	0.0
1081	25	-6.87e-04	5.68e-03	-0.06	-1.63e-04	-7.03e-05	0.0
1081	52	-5.25e-03	2.66e-03	-0.06	-1.35e-04	-6.31e-05	0.0
1081	53	-4.66e-04	7.58e-03	-0.07	-1.73e-04	-7.30e-05	0.0
1081	57	-3.74e-04	7.28e-03	-0.07	-1.73e-04	-7.31e-05	0.0



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1081	70	-1.48e-03	3.60e-03	-0.07	-1.76e-04	-7.95e-05	0.0
1081	72	-1.27e-03	3.11e-03	-0.06	-1.52e-04	-6.84e-05	0.0
1082	2	-1.69e-03	-4.75e-03	-0.08	2.32e-04	-9.02e-05	0.0
1082	11	-3.56e-03	-2.73e-03	-0.06	1.37e-04	-5.45e-05	0.0
1082	22	-4.89e-04	-5.62e-03	-0.06	1.60e-04	-5.89e-05	0.0
1082	26	-5.39e-04	-5.81e-03	-0.06	1.60e-04	-5.89e-05	0.0
1082	43	-5.04e-03	-2.61e-03	-0.06	1.33e-04	-5.38e-05	0.0
1082	54	-1.59e-04	-7.20e-03	-0.06	1.69e-04	-6.07e-05	0.0
1082	58	-2.39e-04	-7.50e-03	-0.06	1.69e-04	-6.06e-05	0.0
1082	70	-1.27e-03	-3.55e-03	-0.06	1.74e-04	-6.75e-05	0.0
1082	72	-1.09e-03	-3.06e-03	-0.06	1.50e-04	-5.82e-05	0.0
1083	2	-1.22e-03	-4.24e-03	-0.07	2.08e-04	-6.43e-05	0.0
1083	11	-3.24e-03	-2.43e-03	-0.05	1.23e-04	-3.98e-05	0.0
1083	22	-1.60e-04	-5.24e-03	-0.05	1.42e-04	-4.10e-05	0.0
1083	26	-2.02e-04	-5.43e-03	-0.05	1.42e-04	-4.10e-05	0.0
1083	43	-4.70e-03	-2.32e-03	-0.05	1.19e-04	-3.97e-05	0.0
1083	54	1.91e-04	-6.78e-03	-0.05	1.49e-04	-4.16e-05	0.0
1083	58	1.24e-04	-7.08e-03	-0.05	1.49e-04	-4.16e-05	0.0
1083	70	-9.12e-04	-3.17e-03	-0.05	1.55e-04	-4.82e-05	0.0
1083	72	-7.86e-04	-2.74e-03	-0.05	1.35e-04	-4.16e-05	0.0
1084	2	-8.39e-04	-3.48e-03	-0.06	1.71e-04	-4.47e-05	0.0
1084	11	-2.97e-03	-1.99e-03	-0.04	1.02e-04	-2.79e-05	0.0
1084	22	9.67e-05	-4.69e-03	-0.05	1.15e-04	-2.73e-05	0.0
1084	26	6.31e-05	-4.88e-03	-0.05	1.15e-04	-2.73e-05	0.0
1084	43	-4.41e-03	-1.89e-03	-0.04	9.86e-05	-2.79e-05	0.0
1084	54	4.61e-04	-6.19e-03	-0.05	1.20e-04	-2.69e-05	0.0
1084	58	4.07e-04	-6.49e-03	-0.05	1.20e-04	-2.69e-05	0.0
1084	70	-6.29e-04	-2.60e-03	-0.05	1.28e-04	-3.35e-05	0.0
1084	72	-5.42e-04	-2.25e-03	-0.04	1.11e-04	-2.90e-05	0.0
1085	2	-5.77e-04	-2.59e-03	-0.05	1.27e-04	-3.15e-05	0.0
1085	11	-2.76e-03	-1.46e-03	-0.04	7.61e-05	-2.00e-05	0.0
1085	22	2.78e-04	-4.08e-03	-0.04	8.51e-05	-1.93e-05	0.0
1085	26	2.53e-04	-4.27e-03	-0.04	8.48e-05	-1.94e-05	0.0
1085	43	-4.18e-03	-1.37e-03	-0.04	7.41e-05	-2.02e-05	0.0
1085	54	6.53e-04	-5.54e-03	-0.04	8.83e-05	-1.91e-05	0.0
1085	58	6.14e-04	-5.84e-03	-0.04	8.79e-05	-1.92e-05	0.0
1085	70	-4.33e-04	-1.94e-03	-0.04	9.53e-05	-2.36e-05	0.0
1085	72	-3.74e-04	-1.68e-03	-0.04	8.28e-05	-2.05e-05	0.0
1086	2	-4.12e-04	-1.65e-03	-0.05	8.10e-05	-2.32e-05	0.0
1086	11	-2.62e-03	-8.94e-04	-0.04	4.84e-05	-1.46e-05	0.0
1086	26	3.85e-04	-3.64e-03	-0.04	5.38e-05	-1.44e-05	0.0
1086	28	-9.88e-04	-3.44e-03	-0.04	5.32e-05	-1.44e-05	0.0
1086	43	-4.02e-03	-8.16e-04	-0.04	4.71e-05	-1.46e-05	0.0
1086	58	7.63e-04	-5.18e-03	-0.04	5.56e-05	-1.44e-05	0.0
1086	60	-1.42e-03	-4.87e-03	-0.04	5.46e-05	-1.43e-05	0.0
1086	70	-3.09e-04	-1.23e-03	-0.04	6.06e-05	-1.74e-05	0.0
1086	72	-2.67e-04	-1.07e-03	-0.04	5.27e-05	-1.52e-05	0.0
1087	2	-3.26e-04	-6.82e-04	-0.05	3.35e-05	-1.90e-05	0.0
1087	11	-2.53e-03	-3.06e-04	-0.03	1.97e-05	-1.19e-05	0.0
1087	16	-2.51e-03	-8.53e-04	-0.03	2.12e-05	-1.18e-05	0.0
1087	26	4.68e-04	-3.01e-03	-0.03	2.28e-05	-1.19e-05	0.0
1087	43	-3.91e-03	-2.36e-04	-0.03	1.90e-05	-1.18e-05	0.0
1087	48	-3.87e-03	-1.11e-03	-0.03	2.13e-05	-1.17e-05	0.0
1087	58	8.64e-04	-4.54e-03	-0.03	2.39e-05	-1.19e-05	0.0
1087	70	-2.45e-04	-5.10e-04	-0.04	2.51e-05	-1.43e-05	0.0
1087	72	-2.12e-04	-4.43e-04	-0.03	2.18e-05	-1.24e-05	0.0
1088	2	-3.10e-04	2.91e-04	-0.05	-1.43e-05	-1.82e-05	0.0
1088	7	-2.50e-03	6.09e-04	-0.03	-9.12e-06	-1.13e-05	0.0
1088	20	-2.51e-03	6.33e-05	-0.03	-7.98e-06	-1.14e-05	0.0
1088	21	4.90e-04	2.77e-03	-0.03	-1.06e-05	-1.15e-05	0.0
1088	39	-3.86e-03	8.62e-04	-0.03	-9.22e-06	-1.12e-05	0.0
1088	52	-3.88e-03	-4.97e-06	-0.03	-7.40e-06	-1.13e-05	0.0
1088	53	8.92e-04	4.29e-03	-0.03	-1.16e-05	-1.15e-05	0.0
1088	70	-2.33e-04	2.18e-04	-0.03	-1.07e-05	-1.37e-05	0.0
1088	72	-2.01e-04	1.89e-04	-0.03	-9.30e-06	-1.20e-05	0.0
1089	2	-3.62e-04	1.26e-03	-0.05	-6.20e-05	-2.09e-05	0.0
1089	20	-2.58e-03	6.56e-04	-0.04	-3.69e-05	-1.32e-05	0.0
1089	21	4.27e-04	3.39e-03	-0.04	-4.12e-05	-1.31e-05	0.0
1089	23	-9.47e-04	3.19e-03	-0.04	-4.08e-05	-1.30e-05	0.0
1089	52	-3.97e-03	5.80e-04	-0.04	-3.59e-05	-1.32e-05	0.0
1089	53	8.12e-04	4.92e-03	-0.04	-4.27e-05	-1.30e-05	0.0
1089	55	-1.37e-03	4.61e-03	-0.04	-4.20e-05	-1.29e-05	0.0
1089	70	-2.71e-04	9.44e-04	-0.04	-4.64e-05	-1.57e-05	0.0
1089	72	-2.35e-04	8.19e-04	-0.04	-4.03e-05	-1.37e-05	0.0
1090	2	-4.87e-04	2.22e-03	-0.05	-1.09e-04	-2.73e-05	0.0
1090	20	-2.70e-03	1.24e-03	-0.04	-6.52e-05	-1.74e-05	0.0



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1090	21	3.20e-04	4.02e-03	-0.04	-7.24e-05	-1.69e-05	0.0
1090	25	3.42e-04	3.83e-03	-0.04	-7.26e-05	-1.68e-05	0.0
1090	52	-4.11e-03	1.15e-03	-0.04	-6.34e-05	-1.75e-05	0.0
1090	53	6.87e-04	5.58e-03	-0.04	-7.49e-05	-1.67e-05	0.0
1090	57	7.23e-04	5.28e-03	-0.04	-7.53e-05	-1.67e-05	0.0
1090	70	-3.65e-04	1.66e-03	-0.04	-8.16e-05	-2.05e-05	0.0
1090	72	-3.15e-04	1.44e-03	-0.04	-7.08e-05	-1.78e-05	0.0
1091	2	-6.99e-04	3.13e-03	-0.06	-1.54e-04	-3.83e-05	0.0
1091	20	-2.87e-03	1.79e-03	-0.04	-9.18e-05	-2.44e-05	0.0
1091	21	1.60e-04	4.64e-03	-0.04	-1.03e-04	-2.34e-05	0.0
1091	25	1.92e-04	4.45e-03	-0.04	-1.03e-04	-2.34e-05	0.0
1091	52	-4.30e-03	1.69e-03	-0.04	-8.92e-05	-2.47e-05	0.0
1091	53	5.11e-04	6.23e-03	-0.04	-1.07e-04	-2.32e-05	0.0
1091	57	5.61e-04	5.93e-03	-0.04	-1.08e-04	-2.31e-05	0.0
1091	70	-5.24e-04	2.34e-03	-0.04	-1.15e-04	-2.87e-05	0.0
1091	72	-4.52e-04	2.03e-03	-0.04	-1.00e-04	-2.49e-05	0.0
1092	2	-1.02e-03	3.95e-03	-0.07	-1.94e-04	-5.52e-05	0.0
1092	20	-3.10e-03	2.27e-03	-0.05	-1.15e-04	-3.43e-05	0.0
1092	21	-6.67e-05	5.22e-03	-0.05	-1.32e-04	-3.35e-05	0.0
1092	25	-2.59e-05	5.03e-03	-0.05	-1.32e-04	-3.35e-05	0.0
1092	52	-4.56e-03	2.16e-03	-0.05	-1.12e-04	-3.42e-05	0.0
1092	53	2.67e-04	6.85e-03	-0.05	-1.38e-04	-3.31e-05	0.0
1092	57	3.32e-04	6.55e-03	-0.05	-1.38e-04	-3.30e-05	0.0
1092	70	-7.63e-04	2.96e-03	-0.05	-1.45e-04	-4.14e-05	0.0
1092	72	-6.58e-04	2.56e-03	-0.05	-1.26e-04	-3.58e-05	0.0
1093	2	-1.45e-03	4.58e-03	-0.08	-2.24e-04	-7.89e-05	0.0
1093	20	-3.40e-03	2.64e-03	-0.05	-1.33e-04	-4.79e-05	0.0
1093	21	-3.73e-04	5.68e-03	-0.06	-1.54e-04	-5.10e-05	0.0
1093	25	-3.24e-04	5.49e-03	-0.06	-1.54e-04	-5.10e-05	0.0
1093	52	-4.87e-03	2.52e-03	-0.05	-1.29e-04	-4.73e-05	0.0
1093	53	-6.21e-05	7.36e-03	-0.06	-1.62e-04	-5.22e-05	0.0
1093	57	1.56e-05	7.06e-03	-0.06	-1.63e-04	-5.22e-05	0.0
1093	70	-1.09e-03	3.42e-03	-0.06	-1.68e-04	-5.91e-05	0.0
1093	72	-9.37e-04	2.96e-03	-0.06	-1.45e-04	-5.10e-05	0.0
1094	2	-2.25e-03	4.77e-03	-0.10	-2.34e-04	-1.21e-04	0.0
1094	20	-3.94e-03	2.75e-03	-0.07	-1.38e-04	-7.23e-05	0.0
1094	21	-9.69e-04	5.87e-03	-0.07	-1.63e-04	-8.14e-05	0.0
1094	25	-9.03e-04	5.68e-03	-0.07	-1.63e-04	-8.14e-05	0.0
1094	52	-5.45e-03	2.63e-03	-0.07	-1.33e-04	-7.11e-05	0.0
1094	53	-7.24e-04	7.60e-03	-0.07	-1.73e-04	-8.54e-05	0.0
1094	57	-6.19e-04	7.29e-03	-0.07	-1.74e-04	-8.55e-05	0.0
1094	70	-1.68e-03	3.57e-03	-0.08	-1.75e-04	-9.04e-05	0.0
1094	72	-1.44e-03	3.08e-03	-0.07	-1.51e-04	-7.76e-05	0.0
1095	2	-1.98e-03	-4.20e-03	-0.09	2.07e-04	-1.06e-04	0.0
1095	11	-3.72e-03	-2.42e-03	-0.06	1.22e-04	-6.04e-05	0.0
1095	22	-7.11e-04	-5.25e-03	-0.07	1.43e-04	-7.07e-05	0.0
1095	26	-7.71e-04	-5.46e-03	-0.07	1.43e-04	-7.04e-05	0.0
1095	43	-5.21e-03	-2.31e-03	-0.06	1.18e-04	-5.80e-05	0.0
1095	54	-4.22e-04	-6.82e-03	-0.07	1.52e-04	-7.45e-05	0.0
1095	58	-5.18e-04	-7.14e-03	-0.07	1.52e-04	-7.40e-05	0.0
1095	70	-1.48e-03	-3.14e-03	-0.07	1.54e-04	-7.90e-05	0.0
1095	72	-1.26e-03	-2.71e-03	-0.07	1.34e-04	-6.73e-05	0.0
1096	2	-1.75e-03	-4.25e-03	-0.08	2.10e-04	-9.28e-05	0.0
1096	11	-3.56e-03	-2.46e-03	-0.06	1.24e-04	-5.32e-05	0.0
1096	22	-5.36e-04	-5.29e-03	-0.06	1.45e-04	-6.14e-05	0.0
1096	26	-5.88e-04	-5.49e-03	-0.06	1.45e-04	-6.11e-05	0.0
1096	43	-5.03e-03	-2.35e-03	-0.06	1.20e-04	-5.12e-05	0.0
1096	54	-2.26e-04	-6.85e-03	-0.06	1.54e-04	-6.42e-05	0.0
1096	58	-3.09e-04	-7.17e-03	-0.06	1.54e-04	-6.38e-05	0.0
1096	70	-1.31e-03	-3.18e-03	-0.06	1.57e-04	-6.94e-05	0.0
1096	72	-1.11e-03	-2.75e-03	-0.06	1.36e-04	-5.91e-05	0.0
1097	2	-1.72e-03	4.22e-03	-0.08	-2.08e-04	-9.25e-05	0.0
1097	20	-3.54e-03	2.44e-03	-0.06	-1.23e-04	-5.31e-05	0.0
1097	21	-5.73e-04	5.47e-03	-0.06	-1.44e-04	-6.09e-05	0.0
1097	25	-5.19e-04	5.26e-03	-0.06	-1.44e-04	-6.11e-05	0.0
1097	52	-5.01e-03	2.34e-03	-0.06	-1.20e-04	-5.13e-05	0.0
1097	53	-2.95e-04	7.15e-03	-0.06	-1.52e-04	-6.35e-05	0.0
1097	57	-2.09e-04	6.82e-03	-0.06	-1.53e-04	-6.39e-05	0.0
1097	70	-1.29e-03	3.16e-03	-0.06	-1.56e-04	-6.91e-05	0.0
1097	72	-1.09e-03	2.73e-03	-0.06	-1.35e-04	-5.89e-05	0.0
1098	2	-1.49e-03	-4.15e-03	-0.08	2.05e-04	-7.93e-05	0.0
1098	11	-3.39e-03	-2.40e-03	-0.05	1.21e-04	-4.57e-05	0.0
1098	22	-3.55e-04	-5.21e-03	-0.06	1.41e-04	-5.17e-05	0.0
1098	26	-4.03e-04	-5.41e-03	-0.06	1.41e-04	-5.15e-05	0.0
1098	43	-4.85e-03	-2.30e-03	-0.05	1.17e-04	-4.42e-05	0.0
1098	54	-2.90e-05	-6.76e-03	-0.06	1.50e-04	-5.36e-05	0.0



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1098	58	-1.06e-04	-7.08e-03	-0.06	1.49e-04	-5.33e-05	0.0
1098	70	-1.12e-03	-3.11e-03	-0.06	1.53e-04	-5.93e-05	0.0
1098	72	-9.49e-04	-2.69e-03	-0.06	1.33e-04	-5.05e-05	0.0
1099	2	-1.09e-03	-3.77e-03	-0.07	1.86e-04	-5.78e-05	0.0
1099	11	-3.12e-03	-2.17e-03	-0.05	1.10e-04	-3.37e-05	0.0
1099	22	-7.43e-05	-4.92e-03	-0.05	1.27e-04	-3.70e-05	0.0
1099	26	-1.14e-04	-5.12e-03	-0.05	1.27e-04	-3.68e-05	0.0
1099	43	-4.57e-03	-2.07e-03	-0.05	1.07e-04	-3.27e-05	0.0
1099	54	2.71e-04	-6.44e-03	-0.05	1.34e-04	-3.79e-05	0.0
1099	58	2.07e-04	-6.76e-03	-0.05	1.33e-04	-3.77e-05	0.0
1099	70	-8.12e-04	-2.82e-03	-0.05	1.39e-04	-4.33e-05	0.0
1099	72	-6.91e-04	-2.44e-03	-0.05	1.21e-04	-3.69e-05	0.0
1100	2	-7.54e-04	-3.14e-03	-0.06	1.55e-04	-4.06e-05	0.0
1100	11	-2.89e-03	-1.80e-03	-0.04	9.21e-05	-2.39e-05	0.0
1100	22	1.55e-04	-4.47e-03	-0.04	1.05e-04	-2.44e-05	0.0
1100	26	1.23e-04	-4.67e-03	-0.04	1.05e-04	-2.43e-05	0.0
1100	43	-4.32e-03	-1.71e-03	-0.04	8.94e-05	-2.34e-05	0.0
1100	54	5.16e-04	-5.95e-03	-0.04	1.10e-04	-2.41e-05	0.0
1100	58	4.65e-04	-6.27e-03	-0.04	1.10e-04	-2.40e-05	0.0
1100	70	-5.64e-04	-2.35e-03	-0.05	1.16e-04	-3.04e-05	0.0
1100	72	-4.78e-04	-2.04e-03	-0.04	1.01e-04	-2.59e-05	0.0
1101	2	-5.12e-04	-2.37e-03	-0.05	1.17e-04	-2.83e-05	0.0
1101	11	-2.71e-03	-1.34e-03	-0.04	6.97e-05	-1.72e-05	0.0
1101	22	3.25e-04	-3.94e-03	-0.04	7.86e-05	-1.70e-05	0.0
1101	26	3.02e-04	-4.14e-03	-0.04	7.83e-05	-1.70e-05	0.0
1101	43	-4.12e-03	-1.26e-03	-0.04	6.77e-05	-1.72e-05	0.0
1101	54	6.99e-04	-5.39e-03	-0.04	8.18e-05	-1.69e-05	0.0
1101	58	6.62e-04	-5.71e-03	-0.04	8.14e-05	-1.68e-05	0.0
1101	70	-3.83e-04	-1.77e-03	-0.04	8.75e-05	-2.12e-05	0.0
1101	72	-3.24e-04	-1.54e-03	-0.04	7.60e-05	-1.81e-05	0.0
1102	2	-3.55e-04	-1.52e-03	-0.05	7.49e-05	-2.05e-05	0.0
1102	11	-2.58e-03	-8.30e-04	-0.04	4.47e-05	-1.25e-05	0.0
1102	26	4.28e-04	-3.57e-03	-0.04	5.00e-05	-1.23e-05	0.0
1102	28	-9.46e-04	-3.36e-03	-0.04	4.94e-05	-1.23e-05	0.0
1102	43	-3.98e-03	-7.61e-04	-0.04	4.33e-05	-1.24e-05	0.0
1102	58	8.06e-04	-5.11e-03	-0.04	5.19e-05	-1.22e-05	0.0
1102	60	-1.38e-03	-4.78e-03	-0.04	5.09e-05	-1.21e-05	0.0
1102	70	-2.66e-04	-1.14e-03	-0.04	5.61e-05	-1.54e-05	0.0
1102	72	-2.24e-04	-9.88e-04	-0.04	4.88e-05	-1.31e-05	0.0
1103	2	-2.72e-04	-6.31e-04	-0.04	3.11e-05	-1.64e-05	0.0
1103	11	-2.50e-03	-2.90e-04	-0.03	1.82e-05	-9.94e-06	0.0
1103	16	-2.47e-03	-8.03e-04	-0.03	1.97e-05	-9.89e-06	0.0
1103	26	5.09e-04	-2.99e-03	-0.03	2.14e-05	-9.96e-06	0.0
1103	43	-3.87e-03	-2.30e-04	-0.03	1.74e-05	-9.92e-06	0.0
1103	48	-3.83e-03	-1.05e-03	-0.03	1.98e-05	-9.85e-06	0.0
1103	58	9.06e-04	-4.52e-03	-0.03	2.25e-05	-9.92e-06	0.0
1103	70	-2.04e-04	-4.73e-04	-0.03	2.33e-05	-1.23e-05	0.0
1103	72	-1.71e-04	-4.11e-04	-0.03	2.02e-05	-1.05e-05	0.0
1104	2	-2.56e-04	2.68e-04	-0.04	-1.33e-05	-1.57e-05	0.0
1104	7	-2.46e-03	5.76e-04	-0.03	-8.56e-06	-9.47e-06	0.0
1104	20	-2.48e-03	6.45e-05	-0.03	-7.39e-06	-9.49e-06	0.0
1104	21	5.31e-04	2.76e-03	-0.03	-1.01e-05	-9.56e-06	0.0
1104	39	-3.82e-03	8.18e-04	-0.03	-8.67e-06	-9.43e-06	0.0
1104	52	-3.85e-03	5.25e-06	-0.03	-6.82e-06	-9.46e-06	0.0
1104	53	9.34e-04	4.29e-03	-0.03	-1.11e-05	-9.54e-06	0.0
1104	70	-1.92e-04	2.01e-04	-0.03	-9.98e-06	-1.18e-05	0.0
1104	72	-1.61e-04	1.75e-04	-0.03	-8.68e-06	-1.00e-05	0.0
1105	2	-3.06e-04	1.16e-03	-0.05	-5.75e-05	-1.83e-05	0.0
1105	20	-2.54e-03	6.11e-04	-0.03	-3.42e-05	-1.11e-05	0.0
1105	21	4.69e-04	3.34e-03	-0.04	-3.86e-05	-1.10e-05	0.0
1105	23	-9.05e-04	3.13e-03	-0.04	-3.81e-05	-1.10e-05	0.0
1105	52	-3.93e-03	5.44e-04	-0.03	-3.31e-05	-1.11e-05	0.0
1105	53	8.54e-04	4.87e-03	-0.04	-4.01e-05	-1.10e-05	0.0
1105	55	-1.33e-03	4.54e-03	-0.04	-3.94e-05	-1.09e-05	0.0
1105	70	-2.29e-04	8.70e-04	-0.04	-4.31e-05	-1.37e-05	0.0
1105	72	-1.92e-04	7.56e-04	-0.04	-3.74e-05	-1.17e-05	0.0
1106	2	-4.26e-04	2.03e-03	-0.05	-1.00e-04	-2.45e-05	0.0
1106	20	-2.65e-03	1.14e-03	-0.04	-5.99e-05	-1.49e-05	0.0
1106	21	3.65e-04	3.91e-03	-0.04	-6.72e-05	-1.47e-05	0.0
1106	25	3.87e-04	3.71e-03	-0.04	-6.74e-05	-1.47e-05	0.0
1106	52	-4.05e-03	1.06e-03	-0.04	-5.82e-05	-1.49e-05	0.0
1106	53	7.32e-04	5.47e-03	-0.04	-6.97e-05	-1.46e-05	0.0
1106	57	7.67e-04	5.15e-03	-0.04	-7.00e-05	-1.46e-05	0.0
1106	70	-3.19e-04	1.52e-03	-0.04	-7.52e-05	-1.84e-05	0.0
1106	72	-2.69e-04	1.32e-03	-0.04	-6.54e-05	-1.56e-05	0.0
1107	2	-6.27e-04	2.84e-03	-0.06	-1.41e-04	-3.49e-05	0.0



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1107	20	-2.80e-03	1.62e-03	-0.04	-8.36e-05	-2.11e-05	0.0
1107	21	2.12e-04	4.47e-03	-0.04	-9.46e-05	-2.09e-05	0.0
1107	25	2.42e-04	4.26e-03	-0.04	-9.49e-05	-2.10e-05	0.0
1107	52	-4.23e-03	1.54e-03	-0.04	-8.12e-05	-2.10e-05	0.0
1107	53	5.60e-04	6.05e-03	-0.04	-9.86e-05	-2.07e-05	0.0
1107	57	6.09e-04	5.73e-03	-0.04	-9.90e-05	-2.08e-05	0.0
1107	70	-4.69e-04	2.13e-03	-0.04	-1.05e-04	-2.61e-05	0.0
1107	72	-3.98e-04	1.84e-03	-0.04	-9.13e-05	-2.23e-05	0.0
1108	2	-9.19e-04	3.53e-03	-0.06	-1.75e-04	-5.02e-05	0.0
1108	20	-3.01e-03	2.03e-03	-0.05	-1.04e-04	-2.93e-05	0.0
1108	21	0.0	4.95e-03	-0.05	-1.19e-04	-3.18e-05	0.0
1108	25	3.96e-05	4.75e-03	-0.05	-1.19e-04	-3.19e-05	0.0
1108	52	-4.45e-03	1.94e-03	-0.05	-1.01e-04	-2.85e-05	0.0
1108	53	3.30e-04	6.57e-03	-0.05	-1.25e-04	-3.24e-05	0.0
1108	57	3.92e-04	6.25e-03	-0.05	-1.25e-04	-3.26e-05	0.0
1108	70	-6.87e-04	2.64e-03	-0.05	-1.31e-04	-3.76e-05	0.0
1108	72	-5.84e-04	2.29e-03	-0.05	-1.13e-04	-3.21e-05	0.0
1109	2	-1.30e-03	4.02e-03	-0.07	-1.98e-04	-7.02e-05	0.0
1109	20	-3.26e-03	2.32e-03	-0.05	-1.18e-04	-4.06e-05	0.0
1109	21	-2.68e-04	5.31e-03	-0.05	-1.36e-04	-4.52e-05	0.0
1109	25	-2.21e-04	5.10e-03	-0.05	-1.36e-04	-4.54e-05	0.0
1109	52	-4.72e-03	2.22e-03	-0.05	-1.14e-04	-3.93e-05	0.0
1109	53	3.94e-05	6.96e-03	-0.05	-1.44e-04	-4.66e-05	0.0
1109	57	1.14e-04	6.64e-03	-0.05	-1.44e-04	-4.69e-05	0.0
1109	70	-9.70e-04	3.00e-03	-0.06	-1.48e-04	-5.25e-05	0.0
1109	72	-8.25e-04	2.60e-03	-0.05	-1.29e-04	-4.48e-05	0.0
1110	2	-1.95e-03	4.17e-03	-0.09	-2.05e-04	-1.05e-04	0.0
1110	20	-3.70e-03	2.40e-03	-0.06	-1.21e-04	-6.02e-05	0.0
1110	21	-7.57e-04	5.44e-03	-0.07	-1.42e-04	-7.01e-05	0.0
1110	25	-6.95e-04	5.23e-03	-0.07	-1.43e-04	-7.03e-05	0.0
1110	52	-5.18e-03	2.30e-03	-0.06	-1.17e-04	-5.80e-05	0.0
1110	53	-5.05e-04	7.12e-03	-0.07	-1.51e-04	-7.36e-05	0.0
1110	57	-4.06e-04	6.80e-03	-0.07	-1.51e-04	-7.41e-05	0.0
1110	70	-1.46e-03	3.12e-03	-0.07	-1.54e-04	-7.87e-05	0.0
1110	72	-1.24e-03	2.69e-03	-0.07	-1.33e-04	-6.70e-05	0.0
1111	2	-1.30e-03	-3.73e-03	-0.09	1.85e-04	-7.06e-05	0.0
1111	11	-3.28e-03	-2.17e-03	-0.06	1.10e-04	-3.78e-05	0.0
1111	22	-2.50e-04	-4.92e-03	-0.06	1.28e-04	-4.65e-05	0.0
1111	26	-3.11e-04	-5.14e-03	-0.06	1.28e-04	-4.61e-05	0.0
1111	43	-4.77e-03	-2.09e-03	-0.06	1.06e-04	-3.55e-05	0.0
1111	54	5.36e-05	-6.46e-03	-0.07	1.36e-04	-4.93e-05	0.0
1111	58	-4.24e-05	-6.80e-03	-0.07	1.36e-04	-4.87e-05	0.0
1111	70	-9.71e-04	-2.79e-03	-0.07	1.38e-04	-5.26e-05	0.0
1111	72	-8.07e-04	-2.42e-03	-0.06	1.20e-04	-4.39e-05	0.0
1112	2	-1.15e-03	-3.82e-03	-0.08	1.90e-04	-6.20e-05	0.0
1112	11	-3.17e-03	-2.23e-03	-0.06	1.13e-04	-3.33e-05	0.0
1112	22	-1.29e-04	-4.98e-03	-0.06	1.31e-04	-4.03e-05	0.0
1112	26	-1.82e-04	-5.20e-03	-0.06	1.31e-04	-4.00e-05	0.0
1112	43	-4.64e-03	-2.14e-03	-0.05	1.09e-04	-3.14e-05	0.0
1112	54	1.92e-04	-6.51e-03	-0.06	1.39e-04	-4.26e-05	0.0
1112	58	1.08e-04	-6.86e-03	-0.06	1.39e-04	-4.21e-05	0.0
1112	70	-8.56e-04	-2.86e-03	-0.06	1.42e-04	-4.62e-05	0.0
1112	72	-7.09e-04	-2.48e-03	-0.06	1.23e-04	-3.85e-05	0.0
1113	2	-1.12e-03	3.80e-03	-0.08	-1.89e-04	-6.18e-05	0.0
1113	20	-3.15e-03	2.22e-03	-0.06	-1.12e-04	-3.33e-05	0.0
1113	21	-1.68e-04	5.18e-03	-0.06	-1.30e-04	-3.99e-05	0.0
1113	25	-1.13e-04	4.96e-03	-0.06	-1.31e-04	-4.02e-05	0.0
1113	52	-4.62e-03	2.13e-03	-0.05	-1.09e-04	-3.15e-05	0.0
1113	53	1.21e-04	6.84e-03	-0.06	-1.38e-04	-4.19e-05	0.0
1113	57	2.07e-04	6.49e-03	-0.06	-1.38e-04	-4.23e-05	0.0
1113	70	-8.37e-04	2.84e-03	-0.06	-1.41e-04	-4.61e-05	0.0
1113	72	-6.93e-04	2.46e-03	-0.06	-1.22e-04	-3.84e-05	0.0
1114	2	-9.80e-04	-3.74e-03	-0.07	1.86e-04	-5.31e-05	0.0
1114	11	-3.06e-03	-2.19e-03	-0.05	1.11e-04	-2.87e-05	0.0
1114	22	-1.04e-05	-4.92e-03	-0.05	1.28e-04	-3.41e-05	0.0
1114	26	-5.85e-05	-5.14e-03	-0.05	1.28e-04	-3.39e-05	0.0
1114	43	-4.52e-03	-2.10e-03	-0.05	1.07e-04	-2.73e-05	0.0
1114	54	3.21e-04	-6.44e-03	-0.06	1.36e-04	-3.57e-05	0.0
1114	58	2.45e-04	-6.79e-03	-0.06	1.35e-04	-3.53e-05	0.0
1114	70	-7.30e-04	-2.80e-03	-0.06	1.39e-04	-3.96e-05	0.0
1114	72	-6.04e-04	-2.43e-03	-0.05	1.21e-04	-3.29e-05	0.0
1115	2	-7.09e-04	-3.41e-03	-0.07	1.69e-04	-3.90e-05	0.0
1115	11	-2.87e-03	-1.99e-03	-0.05	1.01e-04	-2.13e-05	0.0
1115	22	1.78e-04	-4.68e-03	-0.05	1.16e-04	-2.45e-05	0.0
1115	26	1.38e-04	-4.89e-03	-0.05	1.16e-04	-2.43e-05	0.0
1115	43	-4.32e-03	-1.91e-03	-0.05	9.80e-05	-2.04e-05	0.0



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1115	54	5.25e-04	-6.18e-03	-0.05	1.22e-04	-2.54e-05	0.0
1115	58	4.61e-04	-6.52e-03	-0.05	1.22e-04	-2.52e-05	0.0
1115	70	-5.28e-04	-2.55e-03	-0.05	1.27e-04	-2.91e-05	0.0
1115	72	-4.35e-04	-2.22e-03	-0.05	1.10e-04	-2.41e-05	0.0
1116	2	-4.82e-04	-2.87e-03	-0.06	1.42e-04	-2.73e-05	0.0
1116	11	-2.71e-03	-1.67e-03	-0.04	8.50e-05	-1.50e-05	0.0
1116	22	3.38e-04	-4.29e-03	-0.04	9.69e-05	-1.53e-05	0.0
1116	26	3.06e-04	-4.51e-03	-0.04	9.67e-05	-1.52e-05	0.0
1116	43	-4.15e-03	-1.59e-03	-0.04	8.26e-05	-1.46e-05	0.0
1116	54	7.00e-04	-5.77e-03	-0.04	1.02e-04	-1.50e-05	0.0
1116	58	6.48e-04	-6.11e-03	-0.04	1.01e-04	-1.49e-05	0.0
1116	70	-3.59e-04	-2.15e-03	-0.04	1.07e-04	-2.03e-05	0.0
1116	72	-2.92e-04	-1.87e-03	-0.04	9.27e-05	-1.68e-05	0.0
1117	2	-3.10e-04	-2.19e-03	-0.05	1.08e-04	-1.85e-05	0.0
1117	11	-2.58e-03	-1.25e-03	-0.04	6.47e-05	-1.11e-05	0.0
1117	22	4.63e-04	-3.82e-03	-0.04	7.32e-05	-1.02e-05	0.0
1117	26	4.39e-04	-4.03e-03	-0.04	7.29e-05	-1.02e-05	0.0
1117	43	-4.00e-03	-1.18e-03	-0.04	6.28e-05	-1.13e-05	0.0
1117	54	8.38e-04	-5.26e-03	-0.04	7.63e-05	-9.96e-06	0.0
1117	58	8.00e-04	-5.60e-03	-0.04	7.59e-05	-9.97e-06	0.0
1117	70	-2.31e-04	-1.64e-03	-0.04	8.10e-05	-1.38e-05	0.0
1117	72	-1.84e-04	-1.42e-03	-0.04	7.05e-05	-1.13e-05	0.0
1118	2	-1.96e-04	-1.41e-03	-0.05	6.97e-05	-1.28e-05	0.0
1118	11	-2.48e-03	-7.82e-04	-0.04	4.16e-05	-7.68e-06	0.0
1118	26	5.39e-04	-3.51e-03	-0.04	4.69e-05	-6.92e-06	0.0
1118	28	-8.40e-04	-3.29e-03	-0.04	4.63e-05	-7.14e-06	0.0
1118	43	-3.88e-03	-7.23e-04	-0.04	4.04e-05	-7.94e-06	0.0
1118	58	9.18e-04	-5.06e-03	-0.04	4.88e-05	-6.74e-06	0.0
1118	60	-1.27e-03	-4.70e-03	-0.04	4.79e-05	-7.09e-06	0.0
1118	70	-1.46e-04	-1.06e-03	-0.04	5.22e-05	-9.54e-06	0.0
1118	72	-1.13e-04	-9.19e-04	-0.04	4.55e-05	-7.69e-06	0.0
1119	2	-1.34e-04	-5.89e-04	-0.04	2.90e-05	-9.74e-06	0.0
1119	11	-2.41e-03	-2.80e-04	-0.03	1.70e-05	-5.90e-06	0.0
1119	16	-2.39e-03	-7.59e-04	-0.03	1.85e-05	-5.84e-06	0.0
1119	26	6.07e-04	-2.97e-03	-0.03	2.02e-05	-5.22e-06	0.0
1119	43	-3.79e-03	-2.30e-04	-0.03	1.62e-05	-6.17e-06	0.0
1119	48	-3.75e-03	-9.90e-04	-0.03	1.86e-05	-6.08e-06	0.0
1119	58	1.00e-03	-4.51e-03	-0.03	2.14e-05	-5.10e-06	0.0
1119	70	-9.97e-05	-4.41e-04	-0.03	2.17e-05	-7.29e-06	0.0
1119	72	-7.42e-05	-3.84e-04	-0.03	1.89e-05	-5.79e-06	0.0
1120	2	-1.22e-04	2.49e-04	-0.04	-1.25e-05	-9.22e-06	0.0
1120	7	-2.38e-03	5.45e-04	-0.03	-8.08e-06	-5.54e-06	0.0
1120	20	-2.39e-03	6.77e-05	-0.03	-6.91e-06	-5.57e-06	0.0
1120	21	6.26e-04	2.75e-03	-0.03	-9.66e-06	-4.94e-06	0.0
1120	39	-3.74e-03	7.75e-04	-0.03	-8.21e-06	-5.79e-06	0.0
1120	52	-3.77e-03	1.74e-05	-0.03	-6.36e-06	-5.83e-06	0.0
1120	53	1.03e-03	4.29e-03	-0.03	-1.07e-05	-4.84e-06	0.0
1120	70	-9.06e-05	1.86e-04	-0.03	-9.36e-06	-6.90e-06	0.0
1120	72	-6.65e-05	1.62e-04	-0.03	-8.15e-06	-5.47e-06	0.0
1121	2	-1.58e-04	1.08e-03	-0.05	-5.37e-05	-1.12e-05	0.0
1121	20	-2.45e-03	5.76e-04	-0.03	-3.19e-05	-6.72e-06	0.0
1121	21	5.72e-04	3.29e-03	-0.03	-3.63e-05	-6.01e-06	0.0
1121	23	-8.07e-04	3.07e-03	-0.03	-3.59e-05	-6.25e-06	0.0
1121	52	-3.84e-03	5.19e-04	-0.03	-3.09e-05	-6.97e-06	0.0
1121	53	9.58e-04	4.83e-03	-0.03	-3.78e-05	-5.86e-06	0.0
1121	55	-1.23e-03	4.48e-03	-0.03	-3.72e-05	-6.23e-06	0.0
1121	70	-1.18e-04	8.08e-04	-0.03	-4.02e-05	-8.36e-06	0.0
1121	72	-8.92e-05	7.03e-04	-0.03	-3.50e-05	-6.69e-06	0.0
1122	2	-2.46e-04	1.88e-03	-0.05	-9.33e-05	-1.58e-05	0.0
1122	20	-2.53e-03	1.06e-03	-0.04	-5.58e-05	-9.42e-06	0.0
1122	21	4.89e-04	3.82e-03	-0.04	-6.28e-05	-8.65e-06	0.0
1122	25	5.11e-04	3.61e-03	-0.04	-6.30e-05	-8.65e-06	0.0
1122	52	-3.94e-03	9.95e-04	-0.04	-5.42e-05	-9.62e-06	0.0
1122	53	8.56e-04	5.38e-03	-0.04	-6.52e-05	-8.44e-06	0.0
1122	57	8.92e-04	5.05e-03	-0.04	-6.56e-05	-8.45e-06	0.0
1122	70	-1.83e-04	1.40e-03	-0.04	-6.98e-05	-1.18e-05	0.0
1122	72	-1.44e-04	1.22e-03	-0.04	-6.08e-05	-9.57e-06	0.0
1123	2	-3.90e-04	2.60e-03	-0.05	-1.29e-04	-2.33e-05	0.0
1123	20	-2.65e-03	1.50e-03	-0.04	-7.74e-05	-1.34e-05	0.0
1123	21	3.72e-04	4.32e-03	-0.04	-8.76e-05	-1.30e-05	0.0
1123	25	4.03e-04	4.11e-03	-0.04	-8.78e-05	-1.31e-05	0.0
1123	52	-4.07e-03	1.43e-03	-0.04	-7.52e-05	-1.34e-05	0.0
1123	53	7.21e-04	5.91e-03	-0.04	-9.14e-05	-1.28e-05	0.0
1123	57	7.70e-04	5.57e-03	-0.04	-9.18e-05	-1.29e-05	0.0
1123	70	-2.90e-04	1.95e-03	-0.04	-9.69e-05	-1.74e-05	0.0
1123	72	-2.34e-04	1.69e-03	-0.04	-8.43e-05	-1.43e-05	0.0



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1124	2	-5.92e-04	3.21e-03	-0.06	-1.59e-04	-3.39e-05	0.0
1124	20	-2.79e-03	1.86e-03	-0.04	-9.52e-05	-1.86e-05	0.0
1124	21	2.19e-04	4.75e-03	-0.05	-1.09e-04	-2.10e-05	0.0
1124	25	2.58e-04	4.53e-03	-0.05	-1.09e-04	-2.11e-05	0.0
1124	52	-4.24e-03	1.78e-03	-0.04	-9.25e-05	-1.78e-05	0.0
1124	53	5.50e-04	6.36e-03	-0.05	-1.14e-04	-2.16e-05	0.0
1124	57	6.12e-04	6.02e-03	-0.05	-1.14e-04	-2.18e-05	0.0
1124	70	-4.41e-04	2.40e-03	-0.05	-1.19e-04	-2.53e-05	0.0
1124	72	-3.61e-04	2.09e-03	-0.05	-1.04e-04	-2.09e-05	0.0
1125	2	-8.45e-04	3.63e-03	-0.07	-1.80e-04	-4.72e-05	0.0
1125	20	-2.97e-03	2.11e-03	-0.05	-1.07e-04	-2.57e-05	0.0
1125	21	3.51e-05	5.05e-03	-0.05	-1.24e-04	-2.98e-05	0.0
1125	25	8.19e-05	4.83e-03	-0.05	-1.24e-04	-3.00e-05	0.0
1125	52	-4.42e-03	2.03e-03	-0.05	-1.04e-04	-2.44e-05	0.0
1125	53	3.46e-04	6.69e-03	-0.05	-1.31e-04	-3.10e-05	0.0
1125	57	4.20e-04	6.35e-03	-0.05	-1.31e-04	-3.13e-05	0.0
1125	70	-6.29e-04	2.71e-03	-0.05	-1.35e-04	-3.52e-05	0.0
1125	72	-5.19e-04	2.35e-03	-0.05	-1.17e-04	-2.92e-05	0.0
1126	2	-1.28e-03	3.71e-03	-0.09	-1.84e-04	-7.03e-05	0.0
1126	20	-3.26e-03	2.16e-03	-0.06	-1.09e-04	-3.78e-05	0.0
1126	21	-2.95e-04	5.12e-03	-0.06	-1.27e-04	-4.58e-05	0.0
1126	25	-2.33e-04	4.91e-03	-0.06	-1.27e-04	-4.62e-05	0.0
1126	52	-4.75e-03	2.07e-03	-0.06	-1.06e-04	-3.56e-05	0.0
1126	53	-2.80e-05	6.78e-03	-0.07	-1.35e-04	-4.84e-05	0.0
1126	57	7.07e-05	6.44e-03	-0.07	-1.35e-04	-4.89e-05	0.0
1126	70	-9.50e-04	2.77e-03	-0.07	-1.37e-04	-5.24e-05	0.0
1126	72	-7.88e-04	2.40e-03	-0.06	-1.19e-04	-4.37e-05	0.0
1127	2	-4.36e-04	-3.48e-03	-0.09	1.73e-04	-2.57e-05	0.0
1127	11	-2.76e-03	-2.06e-03	-0.06	1.03e-04	-1.03e-05	0.0
1127	22	3.42e-04	-4.75e-03	-0.06	1.20e-04	-1.03e-05	0.0
1127	26	2.79e-04	-4.98e-03	-0.06	1.20e-04	-1.01e-05	0.0
1127	43	-4.26e-03	-1.99e-03	-0.06	1.01e-04	-8.85e-06	0.0
1127	54	6.66e-04	-6.26e-03	-0.06	1.27e-04	-8.87e-06	0.0
1127	58	5.65e-04	-6.63e-03	-0.06	1.27e-04	-8.48e-06	0.0
1127	70	-3.19e-04	-2.60e-03	-0.07	1.29e-04	-1.89e-05	0.0
1127	72	-2.30e-04	-2.26e-03	-0.06	1.12e-04	-1.41e-05	0.0
1128	2	-3.69e-04	-3.59e-03	-0.08	1.78e-04	-2.22e-05	0.0
1128	11	-2.70e-03	-2.12e-03	-0.05	1.07e-04	-8.89e-06	0.0
1128	22	4.02e-04	-4.82e-03	-0.06	1.24e-04	-8.81e-06	0.0
1128	26	3.47e-04	-5.05e-03	-0.06	1.24e-04	-8.66e-06	0.0
1128	43	-4.18e-03	-2.05e-03	-0.05	1.04e-04	-7.77e-06	0.0
1128	54	7.39e-04	-6.34e-03	-0.06	1.31e-04	-7.56e-06	0.0
1128	58	6.51e-04	-6.70e-03	-0.06	1.31e-04	-7.32e-06	0.0
1128	70	-2.69e-04	-2.69e-03	-0.06	1.34e-04	-1.63e-05	0.0
1128	72	-1.90e-04	-2.34e-03	-0.06	1.16e-04	-1.20e-05	0.0
1129	2	-3.44e-04	3.56e-03	-0.08	-1.78e-04	-2.20e-05	0.0
1129	20	-2.68e-03	2.10e-03	-0.05	-1.07e-04	-8.90e-06	0.0
1129	21	3.60e-04	5.03e-03	-0.06	-1.23e-04	-8.62e-06	0.0
1129	25	4.16e-04	4.80e-03	-0.06	-1.23e-04	-8.73e-06	0.0
1129	52	-4.17e-03	2.03e-03	-0.05	-1.04e-04	-7.84e-06	0.0
1129	53	6.63e-04	6.69e-03	-0.06	-1.30e-04	-7.30e-06	0.0
1129	57	7.53e-04	6.32e-03	-0.06	-1.30e-04	-7.49e-06	0.0
1129	70	-2.51e-04	2.67e-03	-0.06	-1.33e-04	-1.62e-05	0.0
1129	72	-1.74e-04	2.32e-03	-0.06	-1.16e-04	-1.19e-05	0.0
1130	2	-2.97e-04	-3.52e-03	-0.07	1.75e-04	-1.85e-05	0.0
1130	11	-2.64e-03	-2.08e-03	-0.05	1.05e-04	-7.37e-06	0.0
1130	22	4.52e-04	-4.77e-03	-0.05	1.21e-04	-7.24e-06	0.0
1130	26	4.01e-04	-5.00e-03	-0.05	1.21e-04	-6.86e-06	0.0
1130	43	-4.12e-03	-2.01e-03	-0.05	1.02e-04	-6.53e-06	0.0
1130	54	7.96e-04	-6.28e-03	-0.05	1.28e-04	-6.24e-06	0.0
1130	58	7.15e-04	-6.64e-03	-0.05	1.28e-04	-5.68e-06	0.0
1130	70	-2.17e-04	-2.64e-03	-0.05	1.31e-04	-1.36e-05	0.0
1130	72	-1.48e-04	-2.29e-03	-0.05	1.14e-04	-9.86e-06	0.0
1131	2	-1.84e-04	-3.22e-03	-0.06	1.60e-04	-1.27e-05	0.0
1131	11	-2.56e-03	-1.90e-03	-0.05	9.61e-05	-5.88e-06	0.0
1131	22	5.33e-04	-4.55e-03	-0.05	1.10e-04	-4.32e-06	0.0
1131	26	4.91e-04	-4.78e-03	-0.05	1.10e-04	-4.30e-06	0.0
1131	43	-4.02e-03	-1.83e-03	-0.05	9.35e-05	-5.91e-06	0.0
1131	54	8.88e-04	-6.04e-03	-0.05	1.16e-04	-3.50e-06	0.0
1131	58	8.21e-04	-6.40e-03	-0.05	1.16e-04	-3.47e-06	0.0
1131	70	-1.33e-04	-2.41e-03	-0.05	1.20e-04	-9.31e-06	0.0
1131	72	-8.14e-05	-2.10e-03	-0.05	1.04e-04	-6.46e-06	0.0
1132	2	-8.67e-05	-2.72e-03	-0.06	1.35e-04	-7.75e-06	0.0
1132	11	-2.47e-03	-1.60e-03	-0.04	8.12e-05	-3.64e-06	0.0
1132	22	6.06e-04	-4.19e-03	-0.04	9.23e-05	-2.05e-06	0.0
1132	26	5.72e-04	-4.42e-03	-0.04	9.21e-05	-2.04e-06	0.0



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1132	43	-3.92e-03	-1.54e-03	-0.04	7.90e-05	-3.97e-06	0.0
1132	54	9.72e-04	-5.66e-03	-0.04	9.67e-05	-1.47e-06	0.0
1132	58	9.18e-04	-6.02e-03	-0.04	9.64e-05	-1.46e-06	0.0
1132	70	-6.14e-05	-2.04e-03	-0.04	1.01e-04	-5.65e-06	0.0
1132	72	-2.50e-05	-1.77e-03	-0.04	8.81e-05	-3.57e-06	0.0
1133	1	3.48e-05	-1.70e-03	-0.05	8.46e-05	-1.13e-06	0.0
1133	2	-1.17e-05	-2.08e-03	-0.05	1.03e-04	-3.93e-06	0.0
1133	10	2.45e-03	-1.40e-03	-0.04	6.77e-05	0.0	0.0
1133	22	6.67e-04	-3.75e-03	-0.04	7.00e-05	0.0	0.0
1133	26	6.42e-04	-3.97e-03	-0.04	6.98e-05	0.0	0.0
1133	42	3.88e-03	-1.46e-03	-0.04	6.94e-05	1.13e-06	0.0
1133	54	1.05e-03	-5.19e-03	-0.04	7.30e-05	0.0	0.0
1133	58	1.01e-03	-5.55e-03	-0.04	7.27e-05	0.0	0.0
1133	69	2.48e-05	-1.31e-03	-0.04	6.48e-05	0.0	0.0
1133	70	-6.21e-06	-1.55e-03	-0.04	7.71e-05	-2.84e-06	0.0
1133	71	2.48e-05	-1.31e-03	-0.04	6.48e-05	0.0	0.0
1133	72	1.86e-05	-1.36e-03	-0.04	6.73e-05	-1.35e-06	0.0
1134	1	7.11e-05	-1.10e-03	-0.05	5.47e-05	0.0	0.0
1134	2	3.98e-05	-1.34e-03	-0.05	6.65e-05	-1.33e-06	0.0
1134	10	2.45e-03	-9.32e-04	-0.04	4.39e-05	1.82e-06	0.0
1134	22	7.16e-04	-3.25e-03	-0.04	4.53e-05	1.02e-06	0.0
1134	26	7.00e-04	-3.48e-03	-0.04	4.51e-05	0.0	0.0
1134	42	3.86e-03	-9.81e-04	-0.04	4.51e-05	2.63e-06	0.0
1134	54	1.11e-03	-4.67e-03	-0.04	4.72e-05	1.36e-06	0.0
1134	58	1.08e-03	-5.03e-03	-0.04	4.69e-05	1.32e-06	0.0
1134	69	5.26e-05	-8.47e-04	-0.04	4.19e-05	0.0	0.0
1134	70	3.17e-05	-1.01e-03	-0.04	4.98e-05	0.0	0.0
1134	71	5.26e-05	-8.47e-04	-0.04	4.19e-05	0.0	0.0
1134	72	4.84e-05	-8.79e-04	-0.04	4.35e-05	0.0	0.0
1135	1	9.13e-05	-4.63e-04	-0.04	2.28e-05	1.69e-06	0.0
1135	2	6.84e-05	-5.63e-04	-0.04	2.77e-05	0.0	0.0
1135	10	2.43e-03	-4.29e-04	-0.03	1.87e-05	2.56e-06	0.0
1135	26	7.47e-04	-2.96e-03	-0.03	1.95e-05	1.64e-06	0.0
1135	28	-6.50e-04	-2.74e-03	-0.03	1.93e-05	0.0	0.0
1135	42	3.82e-03	-4.70e-04	-0.03	1.94e-05	3.37e-06	0.0
1135	58	1.15e-03	-4.50e-03	-0.03	2.07e-05	1.92e-06	0.0
1135	60	-1.07e-03	-4.14e-03	-0.03	2.04e-05	0.0	0.0
1135	69	6.80e-05	-3.55e-04	-0.03	1.75e-05	1.18e-06	0.0
1135	70	5.27e-05	-4.22e-04	-0.03	2.07e-05	0.0	0.0
1135	71	6.80e-05	-3.55e-04	-0.03	1.75e-05	1.18e-06	0.0
1135	72	6.50e-05	-3.68e-04	-0.03	1.81e-05	0.0	0.0
1136	1	9.62e-05	1.94e-04	-0.04	-9.84e-06	1.86e-06	0.0
1136	2	7.50e-05	2.36e-04	-0.04	-1.20e-05	0.0	0.0
1136	7	-2.26e-03	5.18e-04	-0.03	-7.76e-06	0.0	0.0
1136	17	2.42e-03	2.23e-04	-0.03	-8.47e-06	2.66e-06	0.0
1136	21	7.63e-04	2.76e-03	-0.03	-9.42e-06	1.73e-06	0.0
1136	39	-3.64e-03	7.38e-04	-0.03	-7.89e-06	0.0	0.0
1136	49	3.81e-03	2.64e-04	-0.03	-9.02e-06	3.45e-06	0.0
1136	53	1.17e-03	4.29e-03	-0.03	-1.05e-05	1.98e-06	0.0
1136	69	7.18e-05	1.49e-04	-0.03	-7.55e-06	1.31e-06	0.0
1136	70	5.77e-05	1.76e-04	-0.03	-8.97e-06	0.0	0.0
1136	71	7.18e-05	1.49e-04	-0.03	-7.55e-06	1.31e-06	0.0
1136	72	6.89e-05	1.54e-04	-0.03	-7.83e-06	1.10e-06	0.0
1137	1	8.58e-05	8.44e-04	-0.04	-4.22e-05	1.22e-06	0.0
1137	2	5.99e-05	1.03e-03	-0.04	-5.13e-05	0.0	0.0
1137	17	2.45e-03	7.32e-04	-0.03	-3.40e-05	2.18e-06	0.0
1137	21	7.23e-04	3.27e-03	-0.03	-3.49e-05	1.32e-06	0.0
1137	23	-6.66e-04	3.04e-03	-0.03	-3.46e-05	0.0	0.0
1137	49	3.85e-03	7.80e-04	-0.03	-3.50e-05	2.98e-06	0.0
1137	53	1.11e-03	4.82e-03	-0.03	-3.64e-05	1.62e-06	0.0
1137	55	-1.10e-03	4.45e-03	-0.03	-3.59e-05	0.0	0.0
1137	69	6.39e-05	6.47e-04	-0.03	-3.23e-05	0.0	0.0
1137	70	4.65e-05	7.69e-04	-0.03	-3.84e-05	0.0	0.0
1137	71	6.39e-05	6.47e-04	-0.03	-3.23e-05	0.0	0.0
1137	72	6.04e-05	6.71e-04	-0.03	-3.35e-05	0.0	0.0
1138	1	5.95e-05	1.46e-03	-0.05	-7.30e-05	0.0	0.0
1138	2	2.20e-05	1.78e-03	-0.05	-8.88e-05	-2.72e-06	0.0
1138	17	2.46e-03	1.22e-03	-0.04	-5.85e-05	0.0	0.0
1138	21	6.72e-04	3.77e-03	-0.04	-6.01e-05	0.0	0.0
1138	25	6.95e-04	3.55e-03	-0.04	-6.03e-05	0.0	0.0
1138	49	3.89e-03	1.27e-03	-0.04	-5.99e-05	1.75e-06	0.0
1138	53	1.04e-03	5.34e-03	-0.04	-6.26e-05	0.0	0.0
1138	57	1.08e-03	4.98e-03	-0.04	-6.29e-05	0.0	0.0
1138	69	4.37e-05	1.12e-03	-0.04	-5.60e-05	0.0	0.0
1138	70	1.87e-05	1.33e-03	-0.04	-6.65e-05	-1.95e-06	0.0
1138	71	4.37e-05	1.12e-03	-0.04	-5.60e-05	0.0	0.0



1138	72	3.87e-05	1.16e-03	-0.04	-5.81e-05	0.0	0.0
1139	2	-3.97e-05	2.46e-03	-0.05	-1.23e-04	-6.07e-06	0.0
1139	4	-4.76e-05	1.99e-03	-0.04	-9.90e-05	-5.69e-06	0.0
1139	17	2.46e-03	1.66e-03	-0.04	-8.07e-05	-1.41e-06	0.0
1139	21	6.08e-04	4.24e-03	-0.04	-8.36e-05	-1.28e-06	0.0
1139	25	6.41e-04	4.02e-03	-0.04	-8.38e-05	-1.28e-06	0.0
1139	49	3.90e-03	1.72e-03	-0.04	-8.26e-05	0.0	0.0
1139	53	9.61e-04	5.83e-03	-0.04	-8.73e-05	0.0	0.0
1139	57	1.01e-03	5.47e-03	-0.04	-8.76e-05	0.0	0.0
1139	70	-2.66e-05	1.85e-03	-0.04	-9.20e-05	-4.42e-06	0.0
1139	71	1.07e-05	1.55e-03	-0.04	-7.73e-05	-2.14e-06	0.0
1139	72	3.22e-06	1.61e-03	-0.04	-8.02e-05	-2.59e-06	0.0
1140	2	-1.25e-04	3.03e-03	-0.06	-1.51e-04	-1.06e-05	0.0
1140	20	-2.51e-03	1.78e-03	-0.04	-9.07e-05	-4.89e-06	0.0
1140	21	5.33e-04	4.64e-03	-0.05	-1.03e-04	-3.38e-06	0.0
1140	25	5.74e-04	4.41e-03	-0.05	-1.04e-04	-3.39e-06	0.0
1140	52	-3.97e-03	1.71e-03	-0.04	-8.83e-05	-5.02e-06	0.0
1140	53	8.69e-04	6.25e-03	-0.05	-1.09e-04	-2.67e-06	0.0
1140	57	9.34e-04	5.89e-03	-0.05	-1.09e-04	-2.70e-06	0.0
1140	70	-8.92e-05	2.27e-03	-0.05	-1.13e-04	-7.76e-06	0.0
1140	72	-4.60e-05	1.97e-03	-0.04	-9.84e-05	-5.24e-06	0.0
1141	2	-2.29e-04	3.41e-03	-0.07	-1.70e-04	-1.61e-05	0.0
1141	20	-2.59e-03	2.01e-03	-0.05	-1.02e-04	-7.55e-06	0.0
1141	21	4.49e-04	4.92e-03	-0.05	-1.17e-04	-5.81e-06	0.0
1141	25	4.98e-04	4.69e-03	-0.05	-1.18e-04	-5.80e-06	0.0
1141	52	-4.07e-03	1.94e-03	-0.05	-9.93e-05	-7.45e-06	0.0
1141	53	7.68e-04	6.56e-03	-0.05	-1.24e-04	-4.79e-06	0.0
1141	57	8.46e-04	6.19e-03	-0.05	-1.24e-04	-4.78e-06	0.0
1141	70	-1.66e-04	2.55e-03	-0.05	-1.27e-04	-1.18e-05	0.0
1141	72	-1.07e-04	2.22e-03	-0.05	-1.11e-04	-8.43e-06	0.0
1142	2	-4.08e-04	3.45e-03	-0.09	-1.72e-04	-2.55e-05	0.0
1142	20	-2.74e-03	2.04e-03	-0.06	-1.03e-04	-1.03e-05	0.0
1142	21	2.94e-04	4.96e-03	-0.06	-1.19e-04	-1.00e-05	0.0
1142	25	3.58e-04	4.73e-03	-0.06	-1.20e-04	-1.02e-05	0.0
1142	52	-4.24e-03	1.97e-03	-0.06	-1.00e-04	-8.96e-06	0.0
1142	53	5.79e-04	6.62e-03	-0.06	-1.26e-04	-8.40e-06	0.0
1142	57	6.82e-04	6.25e-03	-0.06	-1.27e-04	-8.73e-06	0.0
1142	70	-2.98e-04	2.58e-03	-0.07	-1.29e-04	-1.88e-05	0.0
1142	72	-2.11e-04	2.24e-03	-0.06	-1.12e-04	-1.40e-05	0.0
1143	1	5.16e-04	-2.82e-03	-0.08	1.40e-04	2.37e-05	0.0
1143	2	5.00e-04	-3.44e-03	-0.09	1.71e-04	2.27e-05	0.0
1143	10	3.01e-03	-2.26e-03	-0.06	1.12e-04	2.20e-05	0.0
1143	22	9.81e-04	-4.73e-03	-0.06	1.20e-04	2.24e-05	0.0
1143	26	9.13e-04	-4.98e-03	-0.06	1.20e-04	2.24e-05	0.0
1143	42	4.55e-03	-2.32e-03	-0.06	1.14e-04	2.42e-05	0.0
1143	54	1.33e-03	-6.25e-03	-0.06	1.27e-04	2.48e-05	0.0
1143	58	1.22e-03	-6.64e-03	-0.06	1.27e-04	2.48e-05	0.0
1143	69	3.95e-04	-2.16e-03	-0.06	1.07e-04	1.82e-05	0.0
1143	70	3.85e-04	-2.58e-03	-0.07	1.28e-04	1.75e-05	0.0
1143	71	3.95e-04	-2.16e-03	-0.06	1.07e-04	1.82e-05	0.0
1143	72	3.93e-04	-2.25e-03	-0.06	1.12e-04	1.80e-05	0.0
1144	1	4.90e-04	-2.92e-03	-0.07	1.45e-04	2.20e-05	0.0
1144	2	4.78e-04	-3.56e-03	-0.08	1.77e-04	2.10e-05	0.0
1144	10	2.96e-03	-2.34e-03	-0.06	1.16e-04	2.05e-05	0.0
1144	22	9.79e-04	-4.81e-03	-0.06	1.24e-04	2.04e-05	0.0
1144	26	9.19e-04	-5.05e-03	-0.06	1.24e-04	2.04e-05	0.0
1144	42	4.49e-03	-2.40e-03	-0.06	1.19e-04	2.27e-05	0.0
1144	54	1.34e-03	-6.32e-03	-0.06	1.31e-04	2.25e-05	0.0
1144	58	1.24e-03	-6.71e-03	-0.06	1.31e-04	2.24e-05	0.0
1144	69	3.75e-04	-2.24e-03	-0.05	1.11e-04	1.68e-05	0.0
1144	70	3.67e-04	-2.67e-03	-0.06	1.32e-04	1.62e-05	0.0
1144	71	3.75e-04	-2.24e-03	-0.05	1.11e-04	1.68e-05	0.0
1144	72	3.74e-04	-2.33e-03	-0.06	1.16e-04	1.67e-05	0.0
1145	1	5.09e-04	2.90e-03	-0.07	-1.45e-04	2.20e-05	0.0
1145	2	5.02e-04	3.53e-03	-0.08	-1.76e-04	2.10e-05	0.0
1145	17	2.97e-03	2.33e-03	-0.06	-1.16e-04	2.06e-05	0.0
1145	21	9.31e-04	5.04e-03	-0.06	-1.23e-04	2.04e-05	0.0
1145	25	9.93e-04	4.79e-03	-0.06	-1.23e-04	2.04e-05	0.0
1145	49	4.50e-03	2.40e-03	-0.06	-1.18e-04	2.28e-05	0.0
1145	53	1.25e-03	6.70e-03	-0.06	-1.30e-04	2.24e-05	0.0
1145	57	1.35e-03	6.31e-03	-0.06	-1.30e-04	2.25e-05	0.0
1145	69	3.90e-04	2.22e-03	-0.05	-1.11e-04	1.69e-05	0.0
1145	70	3.85e-04	2.65e-03	-0.06	-1.32e-04	1.62e-05	0.0
1145	71	3.90e-04	2.22e-03	-0.05	-1.11e-04	1.69e-05	0.0
1145	72	3.89e-04	2.31e-03	-0.06	-1.15e-04	1.67e-05	0.0
1146	1	4.60e-04	-2.87e-03	-0.07	1.43e-04	2.02e-05	0.0



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1146	2	4.49e-04	-3.49e-03	-0.07	1.74e-04	1.93e-05	0.0
1146	10	2.92e-03	-2.31e-03	-0.05	1.14e-04	1.90e-05	0.0
1146	22	9.61e-04	-4.76e-03	-0.05	1.21e-04	1.84e-05	0.0
1146	26	9.06e-04	-5.00e-03	-0.05	1.21e-04	1.83e-05	0.0
1146	42	4.44e-03	-2.36e-03	-0.05	1.17e-04	2.10e-05	0.0
1146	54	1.32e-03	-6.27e-03	-0.05	1.28e-04	2.01e-05	0.0
1146	58	1.23e-03	-6.65e-03	-0.05	1.28e-04	2.00e-05	0.0
1146	69	3.51e-04	-2.20e-03	-0.05	1.09e-04	1.54e-05	0.0
1146	70	3.45e-04	-2.62e-03	-0.05	1.30e-04	1.48e-05	0.0
1146	71	3.51e-04	-2.20e-03	-0.05	1.09e-04	1.54e-05	0.0
1146	72	3.50e-04	-2.28e-03	-0.05	1.13e-04	1.53e-05	0.0
1147	1	4.08e-04	-2.63e-03	-0.06	1.30e-04	1.73e-05	0.0
1147	2	4.01e-04	-3.19e-03	-0.06	1.59e-04	1.65e-05	0.0
1147	10	2.85e-03	-2.11e-03	-0.05	1.04e-04	1.66e-05	0.0
1147	22	9.32e-04	-4.54e-03	-0.05	1.10e-04	1.54e-05	0.0
1147	26	8.86e-04	-4.78e-03	-0.05	1.10e-04	1.53e-05	0.0
1147	42	4.35e-03	-2.17e-03	-0.05	1.07e-04	1.85e-05	0.0
1147	54	1.30e-03	-6.03e-03	-0.05	1.16e-04	1.66e-05	0.0
1147	58	1.22e-03	-6.41e-03	-0.05	1.15e-04	1.65e-05	0.0
1147	69	3.11e-04	-2.01e-03	-0.05	1.00e-04	1.32e-05	0.0
1147	70	3.07e-04	-2.39e-03	-0.05	1.19e-04	1.27e-05	0.0
1147	71	3.11e-04	-2.01e-03	-0.05	1.00e-04	1.32e-05	0.0
1147	72	3.10e-04	-2.09e-03	-0.05	1.04e-04	1.31e-05	0.0
1148	1	3.62e-04	-2.22e-03	-0.05	1.10e-04	1.50e-05	0.0
1148	2	3.60e-04	-2.70e-03	-0.06	1.34e-04	1.43e-05	0.0
1148	10	2.78e-03	-1.79e-03	-0.04	8.81e-05	1.46e-05	0.0
1148	22	9.11e-04	-4.18e-03	-0.04	9.19e-05	1.30e-05	0.0
1148	26	8.74e-04	-4.42e-03	-0.04	9.18e-05	1.29e-05	0.0
1148	42	4.25e-03	-1.85e-03	-0.04	9.02e-05	1.65e-05	0.0
1148	54	1.29e-03	-5.64e-03	-0.04	9.63e-05	1.40e-05	0.0
1148	58	1.23e-03	-6.03e-03	-0.04	9.61e-05	1.38e-05	0.0
1148	69	2.76e-04	-1.70e-03	-0.04	8.45e-05	1.14e-05	0.0
1148	70	2.74e-04	-2.02e-03	-0.04	1.00e-04	1.09e-05	0.0
1148	71	2.76e-04	-1.70e-03	-0.04	8.45e-05	1.14e-05	0.0
1148	72	2.76e-04	-1.77e-03	-0.04	8.76e-05	1.13e-05	0.0
1149	2	3.29e-04	-2.06e-03	-0.05	1.02e-04	1.28e-05	0.0
1149	10	2.71e-03	-1.38e-03	-0.04	6.73e-05	1.29e-05	0.0
1149	22	9.02e-04	-3.74e-03	-0.04	6.97e-05	1.14e-05	0.0
1149	26	8.75e-04	-3.98e-03	-0.04	6.95e-05	1.12e-05	0.0
1149	42	4.17e-03	-1.43e-03	-0.04	6.90e-05	1.46e-05	0.0
1149	54	1.29e-03	-5.18e-03	-0.04	7.27e-05	1.21e-05	0.0
1149	58	1.24e-03	-5.55e-03	-0.04	7.24e-05	1.19e-05	0.0
1149	70	2.50e-04	-1.54e-03	-0.04	7.64e-05	9.75e-06	0.0
1149	72	2.50e-04	-1.35e-03	-0.04	6.69e-05	9.99e-06	0.0
1150	2	3.10e-04	-1.33e-03	-0.05	6.58e-05	1.19e-05	0.0
1150	10	2.66e-03	-9.15e-04	-0.04	4.37e-05	1.20e-05	0.0
1150	22	9.04e-04	-3.25e-03	-0.04	4.51e-05	9.85e-06	0.0
1150	26	8.87e-04	-3.48e-03	-0.04	4.48e-05	9.76e-06	0.0
1150	42	4.09e-03	-9.55e-04	-0.04	4.49e-05	1.37e-05	0.0
1150	54	1.30e-03	-4.67e-03	-0.04	4.70e-05	1.02e-05	0.0
1150	58	1.27e-03	-5.04e-03	-0.04	4.67e-05	1.01e-05	0.0
1150	70	2.35e-04	-9.99e-04	-0.04	4.93e-05	9.00e-06	0.0
1150	72	2.33e-04	-8.75e-04	-0.04	4.32e-05	9.16e-06	0.0
1151	1	2.94e-04	-4.62e-04	-0.04	2.27e-05	1.16e-05	0.0
1151	2	3.01e-04	-5.60e-04	-0.04	2.74e-05	1.14e-05	0.0
1151	6	2.59e-03	-7.16e-04	-0.03	1.89e-05	1.15e-05	0.0
1151	10	2.61e-03	-4.15e-04	-0.03	1.87e-05	1.15e-05	0.0
1151	26	9.10e-04	-2.97e-03	-0.03	1.94e-05	9.46e-06	0.0
1151	38	3.99e-03	-9.31e-04	-0.03	1.98e-05	1.31e-05	0.0
1151	42	4.02e-03	-4.48e-04	-0.03	1.94e-05	1.31e-05	0.0
1151	58	1.32e-03	-4.52e-03	-0.03	2.06e-05	9.87e-06	0.0
1151	69	2.23e-04	-3.54e-04	-0.03	1.74e-05	8.75e-06	0.0
1151	70	2.28e-04	-4.20e-04	-0.03	2.06e-05	8.63e-06	0.0
1151	71	2.23e-04	-3.54e-04	-0.03	1.74e-05	8.75e-06	0.0
1151	72	2.24e-04	-3.67e-04	-0.03	1.80e-05	8.73e-06	0.0
1152	1	2.94e-04	1.91e-04	-0.04	-9.79e-06	1.15e-05	0.0
1152	2	3.02e-04	2.32e-04	-0.04	-1.19e-05	1.13e-05	0.0
1152	13	2.59e-03	5.09e-04	-0.03	-8.74e-06	1.14e-05	0.0
1152	17	2.60e-03	2.08e-04	-0.03	-8.50e-06	1.14e-05	0.0
1152	21	9.22e-04	2.76e-03	-0.03	-9.19e-06	9.44e-06	0.0
1152	45	3.99e-03	7.24e-04	-0.03	-9.46e-06	1.29e-05	0.0
1152	49	4.00e-03	2.42e-04	-0.03	-9.08e-06	1.30e-05	0.0
1152	53	1.33e-03	4.31e-03	-0.03	-1.02e-05	9.89e-06	0.0
1152	69	2.23e-04	1.47e-04	-0.03	-7.51e-06	8.68e-06	0.0
1152	70	2.28e-04	1.74e-04	-0.03	-8.89e-06	8.57e-06	0.0
1152	71	2.23e-04	1.47e-04	-0.03	-7.51e-06	8.68e-06	0.0



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1152	72	2.24e-04	1.52e-04	-0.03	-7.78e-06	8.66e-06	0.0
1153	2	3.11e-04	1.02e-03	-0.05	-5.08e-05	1.16e-05	0.0
1153	17	2.64e-03	7.15e-04	-0.03	-3.38e-05	1.17e-05	0.0
1153	21	8.97e-04	3.27e-03	-0.03	-3.47e-05	9.60e-06	0.0
1153	25	9.12e-04	3.04e-03	-0.03	-3.50e-05	9.67e-06	0.0
1153	49	4.07e-03	7.55e-04	-0.03	-3.48e-05	1.34e-05	0.0
1153	53	1.29e-03	4.83e-03	-0.03	-3.63e-05	9.97e-06	0.0
1153	57	1.31e-03	4.45e-03	-0.03	-3.66e-05	1.01e-05	0.0
1153	70	2.36e-04	7.61e-04	-0.03	-3.80e-05	8.81e-06	0.0
1153	72	2.32e-04	6.67e-04	-0.03	-3.33e-05	8.94e-06	0.0
1154	2	3.30e-04	1.76e-03	-0.05	-8.80e-05	1.23e-05	0.0
1154	17	2.70e-03	1.20e-03	-0.04	-5.81e-05	1.25e-05	0.0
1154	21	8.83e-04	3.78e-03	-0.04	-5.98e-05	1.07e-05	0.0
1154	25	9.08e-04	3.54e-03	-0.04	-6.00e-05	1.08e-05	0.0
1154	49	4.14e-03	1.25e-03	-0.04	-5.95e-05	1.41e-05	0.0
1154	53	1.26e-03	5.35e-03	-0.04	-6.23e-05	1.13e-05	0.0
1154	57	1.30e-03	4.97e-03	-0.04	-6.26e-05	1.15e-05	0.0
1154	70	2.50e-04	1.32e-03	-0.04	-6.59e-05	9.39e-06	0.0
1154	72	2.48e-04	1.16e-03	-0.04	-5.77e-05	9.60e-06	0.0
1155	2	3.60e-04	2.44e-03	-0.05	-1.22e-04	1.36e-05	0.0
1155	17	2.76e-03	1.64e-03	-0.04	-8.01e-05	1.35e-05	0.0
1155	21	8.79e-04	4.24e-03	-0.04	-8.32e-05	1.21e-05	0.0
1155	25	9.15e-04	4.01e-03	-0.04	-8.34e-05	1.22e-05	0.0
1155	49	4.23e-03	1.69e-03	-0.04	-8.20e-05	1.51e-05	0.0
1155	53	1.24e-03	5.84e-03	-0.04	-8.70e-05	1.29e-05	0.0
1155	57	1.29e-03	5.46e-03	-0.04	-8.72e-05	1.31e-05	0.0
1155	70	2.74e-04	1.83e-03	-0.04	-9.11e-05	1.04e-05	0.0
1155	72	2.73e-04	1.60e-03	-0.04	-7.98e-05	1.07e-05	0.0
1156	1	4.02e-04	2.47e-03	-0.06	-1.23e-04	1.63e-05	0.0
1156	2	4.00e-04	3.00e-03	-0.06	-1.49e-04	1.55e-05	0.0
1156	17	2.83e-03	2.00e-03	-0.04	-9.83e-05	1.57e-05	0.0
1156	21	8.88e-04	4.64e-03	-0.05	-1.03e-04	1.42e-05	0.0
1156	25	9.33e-04	4.40e-03	-0.05	-1.03e-04	1.43e-05	0.0
1156	49	4.32e-03	2.05e-03	-0.05	-1.01e-04	1.76e-05	0.0
1156	53	1.23e-03	6.26e-03	-0.05	-1.08e-04	1.52e-05	0.0
1156	57	1.30e-03	5.88e-03	-0.05	-1.08e-04	1.54e-05	0.0
1156	69	3.07e-04	1.89e-03	-0.04	-9.44e-05	1.24e-05	0.0
1156	70	3.06e-04	2.25e-03	-0.05	-1.12e-04	1.19e-05	0.0
1156	71	3.07e-04	1.89e-03	-0.04	-9.44e-05	1.24e-05	0.0
1156	72	3.06e-04	1.96e-03	-0.04	-9.79e-05	1.23e-05	0.0
1157	1	4.54e-04	2.78e-03	-0.06	-1.39e-04	1.90e-05	0.0
1157	2	4.50e-04	3.38e-03	-0.07	-1.69e-04	1.81e-05	0.0
1157	17	2.90e-03	2.24e-03	-0.05	-1.11e-04	1.80e-05	0.0
1157	21	9.07e-04	4.92e-03	-0.05	-1.17e-04	1.70e-05	0.0
1157	25	9.60e-04	4.68e-03	-0.05	-1.17e-04	1.71e-05	0.0
1157	49	4.41e-03	2.30e-03	-0.05	-1.13e-04	2.00e-05	0.0
1157	53	1.24e-03	6.57e-03	-0.05	-1.24e-04	1.85e-05	0.0
1157	57	1.32e-03	6.18e-03	-0.05	-1.24e-04	1.86e-05	0.0
1157	69	3.47e-04	2.13e-03	-0.05	-1.06e-04	1.45e-05	0.0
1157	70	3.44e-04	2.53e-03	-0.05	-1.26e-04	1.39e-05	0.0
1157	71	3.47e-04	2.13e-03	-0.05	-1.06e-04	1.45e-05	0.0
1157	72	3.47e-04	2.21e-03	-0.05	-1.10e-04	1.44e-05	0.0
1158	1	5.37e-04	2.80e-03	-0.08	-1.40e-04	2.38e-05	0.0
1158	2	5.28e-04	3.42e-03	-0.09	-1.70e-04	2.28e-05	0.0
1158	17	3.02e-03	2.25e-03	-0.06	-1.11e-04	2.22e-05	0.0
1158	21	9.26e-04	4.96e-03	-0.06	-1.19e-04	2.24e-05	0.0
1158	25	9.96e-04	4.72e-03	-0.06	-1.19e-04	2.25e-05	0.0
1158	49	4.57e-03	2.31e-03	-0.06	-1.14e-04	2.45e-05	0.0
1158	53	1.23e-03	6.62e-03	-0.06	-1.26e-04	2.49e-05	0.0
1158	57	1.34e-03	6.23e-03	-0.06	-1.26e-04	2.49e-05	0.0
1158	69	4.12e-04	2.15e-03	-0.06	-1.07e-04	1.82e-05	0.0
1158	70	4.05e-04	2.56e-03	-0.07	-1.27e-04	1.75e-05	0.0
1158	71	4.12e-04	2.15e-03	-0.06	-1.07e-04	1.82e-05	0.0
1158	72	4.10e-04	2.23e-03	-0.06	-1.11e-04	1.81e-05	0.0
1159	2	1.40e-03	-3.63e-03	-0.09	1.79e-04	6.90e-05	0.0
1159	10	3.69e-03	-2.37e-03	-0.06	1.18e-04	5.65e-05	0.0
1159	22	1.60e-03	-4.88e-03	-0.07	1.27e-04	5.51e-05	0.0
1159	26	1.52e-03	-5.15e-03	-0.07	1.27e-04	5.48e-05	0.0
1159	42	5.29e-03	-2.42e-03	-0.06	1.21e-04	6.16e-05	0.0
1159	54	1.96e-03	-6.41e-03	-0.07	1.35e-04	5.93e-05	0.0
1159	58	1.84e-03	-6.83e-03	-0.07	1.35e-04	5.88e-05	0.0
1159	70	1.06e-03	-2.72e-03	-0.07	1.34e-04	5.23e-05	0.0
1159	72	9.88e-04	-2.38e-03	-0.06	1.17e-04	4.88e-05	0.0
1160	2	1.29e-03	-3.73e-03	-0.08	1.85e-04	6.24e-05	0.0
1160	10	3.58e-03	-2.45e-03	-0.06	1.22e-04	5.15e-05	0.0
1160	22	1.54e-03	-4.95e-03	-0.06	1.30e-04	4.94e-05	0.0



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1160	26	1.47e-03	-5.21e-03	-0.06	1.30e-04	4.90e-05	0.0
1160	42	5.15e-03	-2.51e-03	-0.06	1.25e-04	5.62e-05	0.0
1160	54	1.91e-03	-6.48e-03	-0.06	1.39e-04	5.28e-05	0.0
1160	58	1.81e-03	-6.89e-03	-0.06	1.39e-04	5.23e-05	0.0
1160	70	9.77e-04	-2.80e-03	-0.06	1.38e-04	4.72e-05	0.0
1160	72	9.14e-04	-2.45e-03	-0.06	1.21e-04	4.42e-05	0.0
1161	2	1.31e-03	3.70e-03	-0.08	-1.84e-04	6.24e-05	0.0
1161	17	3.59e-03	2.44e-03	-0.06	-1.22e-04	5.15e-05	0.0
1161	21	1.48e-03	5.19e-03	-0.06	-1.30e-04	4.90e-05	0.0
1161	25	1.55e-03	4.93e-03	-0.06	-1.30e-04	4.93e-05	0.0
1161	49	5.17e-03	2.50e-03	-0.06	-1.25e-04	5.62e-05	0.0
1161	53	1.81e-03	6.88e-03	-0.06	-1.38e-04	5.22e-05	0.0
1161	57	1.92e-03	6.46e-03	-0.06	-1.38e-04	5.28e-05	0.0
1161	70	9.94e-04	2.78e-03	-0.06	-1.38e-04	4.72e-05	0.0
1161	72	9.29e-04	2.43e-03	-0.06	-1.21e-04	4.42e-05	0.0
1162	2	1.17e-03	-3.66e-03	-0.07	1.81e-04	5.54e-05	0.0
1162	10	3.47e-03	-2.41e-03	-0.05	1.20e-04	4.63e-05	0.0
1162	22	1.45e-03	-4.89e-03	-0.05	1.27e-04	4.35e-05	0.0
1162	26	1.39e-03	-5.15e-03	-0.05	1.27e-04	4.31e-05	0.0
1162	42	5.03e-03	-2.46e-03	-0.05	1.23e-04	5.07e-05	0.0
1162	54	1.83e-03	-6.41e-03	-0.06	1.35e-04	4.62e-05	0.0
1162	58	1.73e-03	-6.82e-03	-0.06	1.35e-04	4.56e-05	0.0
1162	70	8.83e-04	-2.74e-03	-0.06	1.36e-04	4.20e-05	0.0
1162	72	8.28e-04	-2.40e-03	-0.05	1.19e-04	3.94e-05	0.0
1163	2	9.61e-04	-3.34e-03	-0.07	1.65e-04	4.44e-05	0.0
1163	10	3.29e-03	-2.20e-03	-0.05	1.09e-04	3.81e-05	0.0
1163	22	1.32e-03	-4.65e-03	-0.05	1.15e-04	3.46e-05	0.0
1163	26	1.27e-03	-4.90e-03	-0.05	1.15e-04	3.43e-05	0.0
1163	42	4.83e-03	-2.25e-03	-0.05	1.12e-04	4.21e-05	0.0
1163	54	1.70e-03	-6.14e-03	-0.05	1.21e-04	3.66e-05	0.0
1163	58	1.62e-03	-6.55e-03	-0.05	1.21e-04	3.60e-05	0.0
1163	70	7.28e-04	-2.50e-03	-0.05	1.24e-04	3.36e-05	0.0
1163	72	6.86e-04	-2.19e-03	-0.05	1.08e-04	3.18e-05	0.0
1164	2	7.87e-04	-2.81e-03	-0.06	1.39e-04	3.54e-05	0.0
1164	10	3.12e-03	-1.86e-03	-0.04	9.19e-05	3.14e-05	0.0
1164	22	1.21e-03	-4.26e-03	-0.04	9.58e-05	2.77e-05	0.0
1164	26	1.17e-03	-4.52e-03	-0.04	9.56e-05	2.74e-05	0.0
1164	42	4.63e-03	-1.91e-03	-0.04	9.41e-05	3.50e-05	0.0
1164	54	1.59e-03	-5.73e-03	-0.04	1.00e-04	2.92e-05	0.0
1164	58	1.53e-03	-6.13e-03	-0.04	1.00e-04	2.86e-05	0.0
1164	70	5.95e-04	-2.10e-03	-0.04	1.04e-04	2.68e-05	0.0
1164	72	5.63e-04	-1.85e-03	-0.04	9.12e-05	2.55e-05	0.0
1165	2	6.55e-04	-2.14e-03	-0.05	1.05e-04	2.88e-05	0.0
1165	6	2.91e-03	-1.73e-03	-0.04	7.07e-05	2.59e-05	0.0
1165	10	2.98e-03	-1.43e-03	-0.04	7.01e-05	2.60e-05	0.0
1165	26	1.10e-03	-4.04e-03	-0.04	7.20e-05	2.15e-05	0.0
1165	38	4.35e-03	-1.95e-03	-0.04	7.29e-05	2.91e-05	0.0
1165	42	4.46e-03	-1.47e-03	-0.04	7.20e-05	2.91e-05	0.0
1165	58	1.48e-03	-5.63e-03	-0.04	7.51e-05	2.21e-05	0.0
1165	70	4.96e-04	-1.60e-03	-0.04	7.89e-05	2.18e-05	0.0
1165	72	4.70e-04	-1.41e-03	-0.04	6.93e-05	2.09e-05	0.0
1166	2	5.69e-04	-1.38e-03	-0.05	6.78e-05	2.45e-05	0.0
1166	6	2.83e-03	-1.24e-03	-0.04	4.59e-05	2.24e-05	0.0
1166	10	2.87e-03	-9.39e-04	-0.04	4.55e-05	2.25e-05	0.0
1166	26	1.07e-03	-3.53e-03	-0.04	4.64e-05	1.87e-05	0.0
1166	38	4.25e-03	-1.45e-03	-0.04	4.75e-05	2.53e-05	0.0
1166	42	4.32e-03	-9.74e-04	-0.04	4.69e-05	2.53e-05	0.0
1166	58	1.46e-03	-5.09e-03	-0.04	4.82e-05	1.93e-05	0.0
1166	70	4.30e-04	-1.03e-03	-0.04	5.09e-05	1.85e-05	0.0
1166	72	4.08e-04	-9.09e-04	-0.04	4.47e-05	1.78e-05	0.0
1167	2	5.24e-04	-5.79e-04	-0.04	2.82e-05	2.23e-05	0.0
1167	6	2.77e-03	-7.14e-04	-0.03	1.98e-05	2.05e-05	0.0
1167	10	2.79e-03	-4.19e-04	-0.03	1.95e-05	2.05e-05	0.0
1167	26	1.07e-03	-3.00e-03	-0.03	2.00e-05	1.72e-05	0.0
1167	38	4.19e-03	-9.20e-04	-0.03	2.08e-05	2.31e-05	0.0
1167	42	4.22e-03	-4.46e-04	-0.03	2.04e-05	2.31e-05	0.0
1167	58	1.48e-03	-4.55e-03	-0.03	2.13e-05	1.79e-05	0.0
1167	70	3.96e-04	-4.34e-04	-0.03	2.12e-05	1.68e-05	0.0
1167	72	3.76e-04	-3.81e-04	-0.03	1.86e-05	1.62e-05	0.0
1168	1	4.83e-04	1.97e-04	-0.04	-1.01e-05	2.07e-05	0.0
1168	2	5.18e-04	2.37e-04	-0.04	-1.22e-05	2.19e-05	0.0
1168	13	2.77e-03	4.98e-04	-0.03	-9.19e-06	2.01e-05	0.0
1168	17	2.78e-03	2.02e-04	-0.03	-8.94e-06	2.01e-05	0.0
1168	21	1.08e-03	2.78e-03	-0.03	-9.38e-06	1.70e-05	0.0
1168	45	4.18e-03	7.03e-04	-0.03	-1.00e-05	2.27e-05	0.0
1168	49	4.20e-03	2.30e-04	-0.03	-9.63e-06	2.27e-05	0.0



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1168	53	1.49e-03	4.32e-03	-0.03	-1.03e-05	1.77e-05	0.0
1168	69	3.67e-04	1.51e-04	-0.03	-7.76e-06	1.58e-05	0.0
1168	70	3.91e-04	1.78e-04	-0.03	-9.14e-06	1.65e-05	0.0
1168	71	3.67e-04	1.51e-04	-0.03	-7.76e-06	1.58e-05	0.0
1168	72	3.72e-04	1.56e-04	-0.03	-8.03e-06	1.59e-05	0.0
1169	2	5.52e-04	1.05e-03	-0.05	-5.22e-05	2.34e-05	0.0
1169	13	2.81e-03	1.03e-03	-0.04	-3.56e-05	2.15e-05	0.0
1169	17	2.84e-03	7.29e-04	-0.04	-3.52e-05	2.15e-05	0.0
1169	21	1.07e-03	3.31e-03	-0.04	-3.59e-05	1.79e-05	0.0
1169	45	4.23e-03	1.24e-03	-0.04	-3.69e-05	2.42e-05	0.0
1169	49	4.29e-03	7.64e-04	-0.04	-3.64e-05	2.43e-05	0.0
1169	53	1.47e-03	4.86e-03	-0.04	-3.74e-05	1.86e-05	0.0
1169	70	4.17e-04	7.85e-04	-0.04	-3.92e-05	1.77e-05	0.0
1169	72	3.96e-04	6.90e-04	-0.04	-3.44e-05	1.70e-05	0.0
1170	2	6.25e-04	1.82e-03	-0.05	-9.07e-05	2.68e-05	0.0
1170	13	2.88e-03	1.53e-03	-0.04	-6.10e-05	2.43e-05	0.0
1170	17	2.94e-03	1.23e-03	-0.04	-6.05e-05	2.44e-05	0.0
1170	21	1.09e-03	3.83e-03	-0.04	-6.19e-05	2.02e-05	0.0
1170	45	4.32e-03	1.75e-03	-0.04	-6.29e-05	2.74e-05	0.0
1170	49	4.41e-03	1.27e-03	-0.04	-6.21e-05	2.74e-05	0.0
1170	53	1.47e-03	5.41e-03	-0.04	-6.44e-05	2.08e-05	0.0
1170	70	4.73e-04	1.37e-03	-0.04	-6.80e-05	2.03e-05	0.0
1170	72	4.48e-04	1.20e-03	-0.04	-5.98e-05	1.94e-05	0.0
1171	2	7.42e-04	2.53e-03	-0.06	-1.26e-04	3.24e-05	0.0
1171	17	3.07e-03	1.69e-03	-0.04	-8.35e-05	2.87e-05	0.0
1171	21	1.14e-03	4.33e-03	-0.04	-8.65e-05	2.51e-05	0.0
1171	25	1.18e-03	4.07e-03	-0.04	-8.67e-05	2.54e-05	0.0
1171	49	4.57e-03	1.74e-03	-0.04	-8.55e-05	3.21e-05	0.0
1171	53	1.51e-03	5.93e-03	-0.04	-9.04e-05	2.62e-05	0.0
1171	57	1.57e-03	5.53e-03	-0.04	-9.07e-05	2.68e-05	0.0
1171	70	5.61e-04	1.90e-03	-0.04	-9.44e-05	2.46e-05	0.0
1171	72	5.31e-04	1.67e-03	-0.04	-8.29e-05	2.34e-05	0.0
1172	2	9.03e-04	3.13e-03	-0.06	-1.55e-04	4.05e-05	0.0
1172	17	3.23e-03	2.07e-03	-0.05	-1.03e-04	3.51e-05	0.0
1172	21	1.23e-03	4.75e-03	-0.05	-1.08e-04	3.12e-05	0.0
1172	25	1.28e-03	4.50e-03	-0.05	-1.08e-04	3.16e-05	0.0
1172	49	4.76e-03	2.13e-03	-0.05	-1.05e-04	3.89e-05	0.0
1172	53	1.58e-03	6.38e-03	-0.05	-1.13e-04	3.27e-05	0.0
1172	57	1.66e-03	5.98e-03	-0.05	-1.14e-04	3.33e-05	0.0
1172	70	6.83e-04	2.34e-03	-0.05	-1.16e-04	3.07e-05	0.0
1172	72	6.44e-04	2.05e-03	-0.05	-1.02e-04	2.91e-05	0.0
1173	2	1.10e-03	3.54e-03	-0.07	-1.76e-04	5.08e-05	0.0
1173	17	3.41e-03	2.34e-03	-0.05	-1.16e-04	4.28e-05	0.0
1173	21	1.35e-03	5.06e-03	-0.05	-1.23e-04	3.93e-05	0.0
1173	25	1.41e-03	4.80e-03	-0.05	-1.23e-04	3.97e-05	0.0
1173	49	4.96e-03	2.40e-03	-0.05	-1.19e-04	4.70e-05	0.0
1173	53	1.69e-03	6.72e-03	-0.05	-1.30e-04	4.15e-05	0.0
1173	57	1.79e-03	6.31e-03	-0.05	-1.30e-04	4.21e-05	0.0
1173	70	8.34e-04	2.65e-03	-0.05	-1.32e-04	3.85e-05	0.0
1173	72	7.82e-04	2.32e-03	-0.05	-1.15e-04	3.63e-05	0.0
1174	2	1.42e-03	3.60e-03	-0.09	-1.79e-04	6.90e-05	0.0
1174	17	3.70e-03	2.37e-03	-0.06	-1.18e-04	5.66e-05	0.0
1174	21	1.53e-03	5.13e-03	-0.07	-1.27e-04	5.47e-05	0.0
1174	25	1.61e-03	4.87e-03	-0.07	-1.26e-04	5.51e-05	0.0
1174	49	5.29e-03	2.42e-03	-0.06	-1.20e-04	6.17e-05	0.0
1174	53	1.85e-03	6.81e-03	-0.07	-1.35e-04	5.88e-05	0.0
1174	57	1.97e-03	6.40e-03	-0.07	-1.35e-04	5.93e-05	0.0
1174	70	1.08e-03	2.70e-03	-0.07	-1.34e-04	5.23e-05	0.0
1174	72	1.00e-03	2.36e-03	-0.06	-1.17e-04	4.88e-05	0.0
1175	2	2.12e-03	-4.02e-03	-0.09	1.97e-04	1.07e-04	0.0
1175	10	4.28e-03	-2.64e-03	-0.07	1.31e-04	8.73e-05	0.0
1175	22	2.10e-03	-5.20e-03	-0.07	1.42e-04	8.26e-05	0.0
1175	26	2.01e-03	-5.48e-03	-0.07	1.42e-04	8.18e-05	0.0
1175	42	5.96e-03	-2.68e-03	-0.07	1.35e-04	9.63e-05	0.0
1175	54	2.49e-03	-6.76e-03	-0.07	1.51e-04	8.88e-05	0.0
1175	58	2.35e-03	-7.20e-03	-0.07	1.51e-04	8.75e-05	0.0
1175	70	1.60e-03	-3.02e-03	-0.07	1.48e-04	8.05e-05	0.0
1175	72	1.47e-03	-2.64e-03	-0.07	1.29e-04	7.38e-05	0.0
1176	2	1.95e-03	-4.11e-03	-0.08	2.01e-04	9.62e-05	0.0
1176	10	4.14e-03	-2.70e-03	-0.06	1.34e-04	7.95e-05	0.0
1176	22	2.00e-03	-5.24e-03	-0.06	1.44e-04	7.37e-05	0.0
1176	26	1.92e-03	-5.52e-03	-0.06	1.44e-04	7.29e-05	0.0
1176	42	5.80e-03	-2.76e-03	-0.06	1.38e-04	8.79e-05	0.0
1176	54	2.40e-03	-6.80e-03	-0.06	1.53e-04	7.87e-05	0.0
1176	58	2.28e-03	-7.23e-03	-0.06	1.53e-04	7.74e-05	0.0
1176	70	1.47e-03	-3.08e-03	-0.06	1.51e-04	7.27e-05	0.0



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1176	72	1.36e-03	-2.70e-03	-0.06	1.32e-04	6.68e-05	0.0
1177	2	1.97e-03	4.08e-03	-0.08	-2.01e-04	9.61e-05	0.0
1177	17	4.14e-03	2.70e-03	-0.06	-1.34e-04	7.93e-05	0.0
1177	21	1.93e-03	5.50e-03	-0.06	-1.43e-04	7.28e-05	0.0
1177	25	2.01e-03	5.23e-03	-0.06	-1.43e-04	7.36e-05	0.0
1177	49	5.80e-03	2.76e-03	-0.06	-1.38e-04	8.76e-05	0.0
1177	53	2.28e-03	7.22e-03	-0.06	-1.53e-04	7.72e-05	0.0
1177	57	2.41e-03	6.78e-03	-0.06	-1.53e-04	7.86e-05	0.0
1177	70	1.49e-03	3.06e-03	-0.06	-1.51e-04	7.26e-05	0.0
1177	72	1.37e-03	2.68e-03	-0.06	-1.32e-04	6.67e-05	0.0
1178	2	1.75e-03	-4.02e-03	-0.08	1.97e-04	8.49e-05	0.0
1178	10	3.96e-03	-2.65e-03	-0.06	1.32e-04	7.06e-05	0.0
1178	22	1.87e-03	-5.16e-03	-0.06	1.40e-04	6.45e-05	0.0
1178	26	1.79e-03	-5.44e-03	-0.06	1.40e-04	6.37e-05	0.0
1178	42	5.59e-03	-2.70e-03	-0.06	1.35e-04	7.81e-05	0.0
1178	54	2.26e-03	-6.71e-03	-0.06	1.49e-04	6.84e-05	0.0
1178	58	2.15e-03	-7.14e-03	-0.06	1.49e-04	6.71e-05	0.0
1178	70	1.32e-03	-3.01e-03	-0.06	1.48e-04	6.42e-05	0.0
1178	72	1.22e-03	-2.64e-03	-0.06	1.30e-04	5.92e-05	0.0
1179	2	1.41e-03	-3.64e-03	-0.07	1.78e-04	6.68e-05	0.0
1179	10	3.68e-03	-2.40e-03	-0.05	1.19e-04	5.73e-05	0.0
1179	22	1.64e-03	-4.87e-03	-0.05	1.25e-04	5.06e-05	0.0
1179	26	1.58e-03	-5.14e-03	-0.05	1.25e-04	4.98e-05	0.0
1179	42	5.27e-03	-2.44e-03	-0.05	1.22e-04	6.40e-05	0.0
1179	54	2.04e-03	-6.38e-03	-0.05	1.32e-04	5.33e-05	0.0
1179	58	1.94e-03	-6.80e-03	-0.05	1.32e-04	5.21e-05	0.0
1179	70	1.07e-03	-2.73e-03	-0.05	1.34e-04	5.05e-05	0.0
1179	72	9.89e-04	-2.40e-03	-0.05	1.18e-04	4.68e-05	0.0
1180	2	1.12e-03	-3.03e-03	-0.06	1.49e-04	5.21e-05	0.0
1180	6	3.32e-03	-2.31e-03	-0.05	1.01e-04	4.60e-05	0.0
1180	10	3.42e-03	-2.01e-03	-0.05	1.00e-04	4.60e-05	0.0
1180	26	1.40e-03	-4.69e-03	-0.05	1.03e-04	3.91e-05	0.0
1180	38	4.83e-03	-2.54e-03	-0.05	1.04e-04	5.19e-05	0.0
1180	42	4.97e-03	-2.06e-03	-0.05	1.03e-04	5.18e-05	0.0
1180	58	1.77e-03	-6.32e-03	-0.05	1.08e-04	4.08e-05	0.0
1180	70	8.50e-04	-2.28e-03	-0.05	1.12e-04	3.94e-05	0.0
1180	72	7.91e-04	-2.00e-03	-0.04	9.83e-05	3.68e-05	0.0
1181	2	9.10e-04	-2.29e-03	-0.05	1.12e-04	4.14e-05	0.0
1181	6	3.13e-03	-1.83e-03	-0.04	7.66e-05	3.71e-05	0.0
1181	10	3.20e-03	-1.54e-03	-0.04	7.60e-05	3.71e-05	0.0
1181	26	1.28e-03	-4.16e-03	-0.04	7.72e-05	3.05e-05	0.0
1181	38	4.61e-03	-2.05e-03	-0.04	7.94e-05	4.18e-05	0.0
1181	42	4.72e-03	-1.58e-03	-0.04	7.85e-05	4.19e-05	0.0
1181	58	1.66e-03	-5.76e-03	-0.04	8.04e-05	3.14e-05	0.0
1181	70	6.87e-04	-1.72e-03	-0.04	8.44e-05	3.13e-05	0.0
1181	72	6.43e-04	-1.51e-03	-0.04	7.44e-05	2.94e-05	0.0
1182	2	7.68e-04	-1.47e-03	-0.05	7.21e-05	3.44e-05	0.0
1182	6	3.00e-03	-1.29e-03	-0.04	4.97e-05	3.12e-05	0.0
1182	10	3.04e-03	-1.00e-03	-0.04	4.93e-05	3.12e-05	0.0
1182	26	1.21e-03	-3.60e-03	-0.04	4.94e-05	2.58e-05	0.0
1182	38	4.45e-03	-1.50e-03	-0.04	5.17e-05	3.53e-05	0.0
1182	42	4.52e-03	-1.03e-03	-0.04	5.11e-05	3.54e-05	0.0
1182	58	1.61e-03	-5.17e-03	-0.04	5.14e-05	2.67e-05	0.0
1182	70	5.80e-04	-1.11e-03	-0.04	5.41e-05	2.60e-05	0.0
1182	72	5.45e-04	-9.74e-04	-0.04	4.77e-05	2.45e-05	0.0
1183	2	6.94e-04	-6.18e-04	-0.05	2.99e-05	3.07e-05	0.0
1183	6	2.92e-03	-7.29e-04	-0.04	2.14e-05	2.79e-05	0.0
1183	10	2.94e-03	-4.39e-04	-0.04	2.12e-05	2.79e-05	0.0
1183	26	1.19e-03	-3.03e-03	-0.04	2.13e-05	2.33e-05	0.0
1183	38	4.36e-03	-9.27e-04	-0.04	2.28e-05	3.16e-05	0.0
1183	42	4.39e-03	-4.63e-04	-0.04	2.23e-05	3.16e-05	0.0
1183	58	1.61e-03	-4.59e-03	-0.04	2.25e-05	2.43e-05	0.0
1183	70	5.24e-04	-4.64e-04	-0.04	2.25e-05	2.32e-05	0.0
1183	72	4.94e-04	-4.09e-04	-0.04	1.98e-05	2.20e-05	0.0
1184	2	6.84e-04	2.51e-04	-0.05	-1.29e-05	3.01e-05	0.0
1184	13	2.91e-03	4.94e-04	-0.04	-1.01e-05	2.74e-05	0.0
1184	17	2.92e-03	2.05e-04	-0.04	-9.82e-06	2.74e-05	0.0
1184	21	1.20e-03	2.79e-03	-0.04	-9.79e-06	2.30e-05	0.0
1184	45	4.35e-03	6.92e-04	-0.04	-1.11e-05	3.09e-05	0.0
1184	49	4.36e-03	2.29e-04	-0.04	-1.07e-05	3.10e-05	0.0
1184	53	1.62e-03	4.35e-03	-0.04	-1.07e-05	2.40e-05	0.0
1184	70	5.16e-04	1.88e-04	-0.04	-9.70e-06	2.27e-05	0.0
1184	72	4.86e-04	1.66e-04	-0.04	-8.56e-06	2.16e-05	0.0
1185	2	7.37e-04	1.11e-03	-0.05	-5.55e-05	3.26e-05	0.0
1185	13	2.97e-03	1.06e-03	-0.04	-3.85e-05	2.96e-05	0.0
1185	17	3.01e-03	7.72e-04	-0.04	-3.81e-05	2.97e-05	0.0



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1185	21	1.20e-03	3.36e-03	-0.04	-3.82e-05	2.45e-05	0.0
1185	45	4.42e-03	1.27e-03	-0.04	-4.02e-05	3.36e-05	0.0
1185	49	4.47e-03	8.05e-04	-0.04	-3.97e-05	3.36e-05	0.0
1185	53	1.61e-03	4.93e-03	-0.04	-3.97e-05	2.55e-05	0.0
1185	70	5.56e-04	8.36e-04	-0.04	-4.16e-05	2.46e-05	0.0
1185	72	5.23e-04	7.37e-04	-0.04	-3.67e-05	2.33e-05	0.0
1186	2	8.56e-04	1.95e-03	-0.05	-9.67e-05	3.82e-05	0.0
1186	13	3.08e-03	1.61e-03	-0.04	-6.60e-05	3.44e-05	0.0
1186	17	3.14e-03	1.32e-03	-0.04	-6.55e-05	3.45e-05	0.0
1186	21	1.25e-03	3.93e-03	-0.04	-6.62e-05	2.83e-05	0.0
1186	45	4.55e-03	1.83e-03	-0.04	-6.84e-05	3.90e-05	0.0
1186	49	4.65e-03	1.36e-03	-0.04	-6.76e-05	3.91e-05	0.0
1186	53	1.64e-03	5.52e-03	-0.04	-6.88e-05	2.93e-05	0.0
1186	70	6.46e-04	1.46e-03	-0.04	-7.26e-05	2.89e-05	0.0
1186	72	6.05e-04	1.29e-03	-0.04	-6.39e-05	2.72e-05	0.0
1187	2	1.04e-03	2.73e-03	-0.06	-1.35e-04	4.74e-05	0.0
1187	13	3.25e-03	2.12e-03	-0.04	-9.13e-05	4.22e-05	0.0
1187	17	3.34e-03	1.82e-03	-0.04	-9.07e-05	4.20e-05	0.0
1187	21	1.36e-03	4.47e-03	-0.04	-9.31e-05	3.56e-05	0.0
1187	45	4.75e-03	2.35e-03	-0.04	-9.44e-05	4.77e-05	0.0
1187	49	4.88e-03	1.87e-03	-0.04	-9.33e-05	4.73e-05	0.0
1187	53	1.73e-03	6.09e-03	-0.04	-9.72e-05	3.72e-05	0.0
1187	70	7.89e-04	2.05e-03	-0.04	-1.01e-04	3.58e-05	0.0
1187	72	7.35e-04	1.80e-03	-0.04	-8.91e-05	3.35e-05	0.0
1188	2	1.30e-03	3.39e-03	-0.06	-1.68e-04	6.04e-05	0.0
1188	13	3.47e-03	2.55e-03	-0.05	-1.13e-04	5.25e-05	0.0
1188	17	3.58e-03	2.25e-03	-0.05	-1.12e-04	5.24e-05	0.0
1188	21	1.51e-03	4.96e-03	-0.05	-1.17e-04	4.51e-05	0.0
1188	45	4.99e-03	2.79e-03	-0.05	-1.17e-04	5.88e-05	0.0
1188	49	5.16e-03	2.30e-03	-0.05	-1.15e-04	5.87e-05	0.0
1188	53	1.87e-03	6.61e-03	-0.05	-1.23e-04	4.71e-05	0.0
1188	70	9.86e-04	2.55e-03	-0.05	-1.26e-04	4.56e-05	0.0
1188	72	9.15e-04	2.24e-03	-0.05	-1.11e-04	4.25e-05	0.0
1189	2	1.63e-03	3.88e-03	-0.07	-1.91e-04	7.73e-05	0.0
1189	17	3.85e-03	2.56e-03	-0.05	-1.28e-04	6.48e-05	0.0
1189	21	1.71e-03	5.33e-03	-0.05	-1.35e-04	5.77e-05	0.0
1189	25	1.78e-03	5.06e-03	-0.05	-1.35e-04	5.85e-05	0.0
1189	49	5.47e-03	2.62e-03	-0.06	-1.31e-04	7.19e-05	0.0
1189	53	2.07e-03	7.02e-03	-0.06	-1.43e-04	6.05e-05	0.0
1189	57	2.18e-03	6.59e-03	-0.06	-1.43e-04	6.18e-05	0.0
1189	70	1.23e-03	2.91e-03	-0.06	-1.43e-04	5.84e-05	0.0
1189	72	1.14e-03	2.55e-03	-0.05	-1.26e-04	5.40e-05	0.0
1190	2	2.14e-03	4.00e-03	-0.09	-1.96e-04	1.07e-04	0.0
1190	17	4.29e-03	2.64e-03	-0.07	-1.31e-04	8.71e-05	0.0
1190	21	2.02e-03	5.46e-03	-0.07	-1.41e-04	8.16e-05	0.0
1190	25	2.11e-03	5.19e-03	-0.07	-1.41e-04	8.25e-05	0.0
1190	49	5.96e-03	2.69e-03	-0.07	-1.34e-04	9.60e-05	0.0
1190	53	2.36e-03	7.19e-03	-0.07	-1.51e-04	8.73e-05	0.0
1190	57	2.50e-03	6.75e-03	-0.07	-1.51e-04	8.86e-05	0.0
1190	70	1.62e-03	3.00e-03	-0.07	-1.47e-04	8.04e-05	0.0
1190	72	1.48e-03	2.63e-03	-0.07	-1.29e-04	7.37e-05	0.0
1191	2	2.46e-03	-4.46e-03	-0.10	2.18e-04	1.25e-04	0.0
1191	10	4.75e-03	-3.75e-03	-0.07	1.49e-04	1.10e-04	0.0
1191	22	2.39e-03	-5.78e-03	-0.07	1.59e-04	9.71e-05	0.0
1191	26	2.27e-03	-5.84e-03	-0.07	1.59e-04	9.53e-05	0.0
1191	42	6.58e-03	-4.29e-03	-0.08	1.55e-04	1.25e-04	0.0
1191	54	2.82e-03	-7.52e-03	-0.08	1.71e-04	1.05e-04	0.0
1191	58	2.64e-03	-7.61e-03	-0.08	1.71e-04	1.02e-04	0.0
1191	70	1.86e-03	-3.35e-03	-0.08	1.63e-04	9.42e-05	0.0
1191	72	1.70e-03	-2.93e-03	-0.07	1.43e-04	8.59e-05	0.0
1192	2	2.32e-03	-4.85e-03	-0.09	2.33e-04	1.15e-04	0.0
1192	10	4.51e-03	-3.20e-03	-0.07	1.58e-04	9.86e-05	0.0
1192	22	2.28e-03	-5.81e-03	-0.07	1.69e-04	8.83e-05	0.0
1192	26	2.19e-03	-6.10e-03	-0.07	1.69e-04	8.68e-05	0.0
1192	42	6.25e-03	-3.28e-03	-0.07	1.64e-04	1.11e-04	0.0
1192	54	2.70e-03	-7.43e-03	-0.07	1.81e-04	9.46e-05	0.0
1192	58	2.56e-03	-7.89e-03	-0.07	1.81e-04	9.22e-05	0.0
1192	70	1.75e-03	-3.63e-03	-0.07	1.74e-04	8.70e-05	0.0
1192	72	1.61e-03	-3.18e-03	-0.06	1.53e-04	7.95e-05	0.0
1193	2	2.33e-03	4.85e-03	-0.09	-2.33e-04	1.15e-04	0.0
1193	17	4.50e-03	3.22e-03	-0.07	-1.58e-04	9.80e-05	0.0
1193	21	2.19e-03	6.11e-03	-0.07	-1.69e-04	8.66e-05	0.0
1193	25	2.28e-03	5.82e-03	-0.07	-1.69e-04	8.80e-05	0.0
1193	49	6.22e-03	3.31e-03	-0.07	-1.64e-04	1.10e-04	0.0
1193	53	2.55e-03	7.90e-03	-0.07	-1.81e-04	9.20e-05	0.0
1193	57	2.70e-03	7.43e-03	-0.07	-1.81e-04	9.43e-05	0.0



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1193	70	1.76e-03	3.64e-03	-0.07	-1.75e-04	8.67e-05	0.0
1193	72	1.61e-03	3.19e-03	-0.06	-1.53e-04	7.93e-05	0.0
1194	2	2.03e-03	-4.65e-03	-0.08	2.24e-04	1.00e-04	0.0
1194	6	4.18e-03	-3.35e-03	-0.06	1.52e-04	8.85e-05	0.0
1194	10	4.32e-03	-3.03e-03	-0.06	1.51e-04	8.83e-05	0.0
1194	26	2.01e-03	-5.93e-03	-0.06	1.61e-04	7.48e-05	0.0
1194	38	5.83e-03	-3.58e-03	-0.06	1.57e-04	1.01e-04	0.0
1194	42	6.05e-03	-3.08e-03	-0.06	1.55e-04	1.00e-04	0.0
1194	58	2.37e-03	-7.68e-03	-0.06	1.72e-04	7.88e-05	0.0
1194	70	1.54e-03	-3.49e-03	-0.06	1.68e-04	7.57e-05	0.0
1194	72	1.41e-03	-3.06e-03	-0.06	1.48e-04	6.95e-05	0.0
1195	2	1.67e-03	-4.06e-03	-0.07	1.98e-04	7.95e-05	0.0
1195	6	3.84e-03	-2.99e-03	-0.05	1.35e-04	7.11e-05	0.0
1195	10	3.96e-03	-2.69e-03	-0.05	1.34e-04	7.10e-05	0.0
1195	26	1.77e-03	-5.45e-03	-0.05	1.39e-04	5.94e-05	0.0
1195	38	5.44e-03	-3.23e-03	-0.06	1.41e-04	8.09e-05	0.0
1195	42	5.62e-03	-2.74e-03	-0.06	1.39e-04	8.08e-05	0.0
1195	58	2.15e-03	-7.13e-03	-0.05	1.47e-04	6.24e-05	0.0
1195	70	1.26e-03	-3.04e-03	-0.05	1.48e-04	6.01e-05	0.0
1195	72	1.16e-03	-2.68e-03	-0.05	1.31e-04	5.55e-05	0.0
1196	2	1.31e-03	-3.34e-03	-0.06	1.63e-04	6.15e-05	0.0
1196	6	3.52e-03	-2.53e-03	-0.05	1.13e-04	5.59e-05	0.0
1196	10	3.62e-03	-2.23e-03	-0.05	1.12e-04	5.58e-05	0.0
1196	26	1.55e-03	-4.92e-03	-0.05	1.14e-04	4.61e-05	0.0
1196	38	5.07e-03	-2.76e-03	-0.05	1.17e-04	6.39e-05	0.0
1196	42	5.22e-03	-2.29e-03	-0.05	1.16e-04	6.37e-05	0.0
1196	58	1.93e-03	-6.56e-03	-0.05	1.19e-04	4.83e-05	0.0
1196	70	9.93e-04	-2.51e-03	-0.05	1.23e-04	4.65e-05	0.0
1196	72	9.20e-04	-2.21e-03	-0.05	1.08e-04	4.32e-05	0.0
1197	2	1.05e-03	-2.51e-03	-0.06	1.22e-04	4.83e-05	0.0
1197	6	3.28e-03	-1.98e-03	-0.04	8.51e-05	4.42e-05	0.0
1197	10	3.35e-03	-1.69e-03	-0.04	8.45e-05	4.43e-05	0.0
1197	26	1.38e-03	-4.32e-03	-0.04	8.44e-05	3.57e-05	0.0
1197	38	4.78e-03	-2.20e-03	-0.04	8.89e-05	5.05e-05	0.0
1197	42	4.89e-03	-1.73e-03	-0.04	8.80e-05	5.06e-05	0.0
1197	58	1.77e-03	-5.93e-03	-0.04	8.78e-05	3.69e-05	0.0
1197	70	7.90e-04	-1.88e-03	-0.04	9.19e-05	3.64e-05	0.0
1197	72	7.37e-04	-1.66e-03	-0.04	8.12e-05	3.41e-05	0.0
1198	2	8.69e-04	-1.60e-03	-0.05	7.82e-05	3.94e-05	0.0
1198	6	3.11e-03	-1.38e-03	-0.04	5.50e-05	3.65e-05	0.0
1198	10	3.15e-03	-1.09e-03	-0.04	5.46e-05	3.65e-05	0.0
1198	26	1.29e-03	-3.70e-03	-0.04	5.37e-05	2.96e-05	0.0
1198	38	4.58e-03	-1.58e-03	-0.04	5.78e-05	4.17e-05	0.0
1198	42	4.65e-03	-1.13e-03	-0.04	5.72e-05	4.18e-05	0.0
1198	58	1.69e-03	-5.28e-03	-0.04	5.57e-05	3.08e-05	0.0
1198	70	6.56e-04	-1.20e-03	-0.04	5.87e-05	2.98e-05	0.0
1198	72	6.15e-04	-1.06e-03	-0.04	5.19e-05	2.81e-05	0.0
1199	2	7.75e-04	-6.71e-04	-0.05	3.24e-05	3.48e-05	0.0
1199	6	3.01e-03	-7.56e-04	-0.04	2.38e-05	3.23e-05	0.0
1199	10	3.03e-03	-4.73e-04	-0.04	2.35e-05	3.23e-05	0.0
1199	26	1.26e-03	-3.08e-03	-0.04	2.29e-05	2.66e-05	0.0
1199	38	4.47e-03	-9.49e-04	-0.04	2.56e-05	3.68e-05	0.0
1199	42	4.49e-03	-4.96e-04	-0.04	2.51e-05	3.69e-05	0.0
1199	58	1.68e-03	-4.64e-03	-0.04	2.42e-05	2.78e-05	0.0
1199	70	5.85e-04	-5.04e-04	-0.04	2.43e-05	2.62e-05	0.0
1199	72	5.51e-04	-4.45e-04	-0.04	2.15e-05	2.48e-05	0.0
1200	2	7.62e-04	2.71e-04	-0.05	-1.40e-05	3.40e-05	0.0
1200	13	3.00e-03	4.98e-04	-0.04	-1.13e-05	3.15e-05	0.0
1200	17	3.00e-03	2.15e-04	-0.04	-1.11e-05	3.16e-05	0.0
1200	21	1.26e-03	2.82e-03	-0.04	-1.04e-05	2.61e-05	0.0
1200	45	4.45e-03	6.90e-04	-0.04	-1.27e-05	3.60e-05	0.0
1200	49	4.46e-03	2.37e-04	-0.04	-1.23e-05	3.60e-05	0.0
1200	53	1.69e-03	4.37e-03	-0.04	-1.12e-05	2.74e-05	0.0
1200	70	5.75e-04	2.04e-04	-0.04	-1.05e-05	2.57e-05	0.0
1200	72	5.42e-04	1.80e-04	-0.04	-9.29e-06	2.43e-05	0.0
1201	2	8.29e-04	1.21e-03	-0.05	-6.01e-05	3.72e-05	0.0
1201	13	3.07e-03	1.12e-03	-0.04	-4.26e-05	3.45e-05	0.0
1201	17	3.10e-03	8.38e-04	-0.04	-4.23e-05	3.46e-05	0.0
1201	21	1.27e-03	3.44e-03	-0.04	-4.14e-05	2.81e-05	0.0
1201	45	4.54e-03	1.33e-03	-0.04	-4.50e-05	3.95e-05	0.0
1201	49	4.59e-03	8.72e-04	-0.04	-4.44e-05	3.95e-05	0.0
1201	53	1.68e-03	5.01e-03	-0.04	-4.30e-05	2.93e-05	0.0
1201	70	6.26e-04	9.08e-04	-0.04	-4.51e-05	2.81e-05	0.0
1201	72	5.87e-04	8.02e-04	-0.04	-3.99e-05	2.65e-05	0.0
1202	2	9.79e-04	2.13e-03	-0.05	-1.05e-04	4.44e-05	0.0
1202	13	3.21e-03	1.73e-03	-0.04	-7.32e-05	4.09e-05	0.0



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1202	17	3.27e-03	1.44e-03	-0.04	-7.27e-05	4.09e-05	0.0
1202	21	1.35e-03	4.06e-03	-0.04	-7.22e-05	3.30e-05	0.0
1202	45	4.71e-03	1.95e-03	-0.04	-7.66e-05	4.67e-05	0.0
1202	49	4.80e-03	1.49e-03	-0.04	-7.58e-05	4.68e-05	0.0
1202	53	1.74e-03	5.66e-03	-0.04	-7.50e-05	3.42e-05	0.0
1202	70	7.39e-04	1.60e-03	-0.04	-7.89e-05	3.35e-05	0.0
1202	72	6.90e-04	1.41e-03	-0.04	-6.97e-05	3.14e-05	0.0
1203	2	1.22e-03	2.99e-03	-0.06	-1.47e-04	5.58e-05	0.0
1203	13	3.43e-03	2.30e-03	-0.05	-1.02e-04	5.11e-05	0.0
1203	17	3.51e-03	2.01e-03	-0.05	-1.01e-04	5.10e-05	0.0
1203	21	1.48e-03	4.67e-03	-0.05	-1.02e-04	4.20e-05	0.0
1203	45	4.96e-03	2.53e-03	-0.05	-1.06e-04	5.85e-05	0.0
1203	49	5.09e-03	2.07e-03	-0.05	-1.05e-04	5.83e-05	0.0
1203	53	1.87e-03	6.30e-03	-0.05	-1.07e-04	4.40e-05	0.0
1203	70	9.18e-04	2.25e-03	-0.05	-1.11e-04	4.22e-05	0.0
1203	72	8.52e-04	1.98e-03	-0.04	-9.77e-05	3.93e-05	0.0
1204	2	1.54e-03	3.76e-03	-0.07	-1.85e-04	7.18e-05	0.0
1204	13	3.72e-03	2.81e-03	-0.05	-1.27e-04	6.46e-05	0.0
1204	17	3.83e-03	2.51e-03	-0.05	-1.26e-04	6.45e-05	0.0
1204	21	1.69e-03	5.23e-03	-0.05	-1.29e-04	5.36e-05	0.0
1204	45	5.30e-03	3.04e-03	-0.05	-1.32e-04	7.37e-05	0.0
1204	49	5.47e-03	2.56e-03	-0.05	-1.30e-04	7.35e-05	0.0
1204	53	2.06e-03	6.90e-03	-0.05	-1.36e-04	5.62e-05	0.0
1204	70	1.16e-03	2.82e-03	-0.05	-1.39e-04	5.42e-05	0.0
1204	72	1.07e-03	2.49e-03	-0.05	-1.22e-04	5.02e-05	0.0
1205	2	1.86e-03	4.42e-03	-0.08	-2.16e-04	9.02e-05	0.0
1205	13	4.04e-03	3.21e-03	-0.06	-1.46e-04	8.08e-05	0.0
1205	17	4.18e-03	2.90e-03	-0.06	-1.45e-04	8.07e-05	0.0
1205	21	1.89e-03	5.74e-03	-0.06	-1.54e-04	6.72e-05	0.0
1205	45	5.68e-03	3.45e-03	-0.06	-1.51e-04	9.22e-05	0.0
1205	49	5.89e-03	2.95e-03	-0.06	-1.49e-04	9.20e-05	0.0
1205	53	2.26e-03	7.47e-03	-0.06	-1.63e-04	7.06e-05	0.0
1205	70	1.41e-03	3.32e-03	-0.06	-1.62e-04	6.82e-05	0.0
1205	72	1.30e-03	2.91e-03	-0.06	-1.42e-04	6.29e-05	0.0
1206	2	2.50e-03	4.46e-03	-0.10	-2.18e-04	1.25e-04	0.0
1206	17	4.77e-03	3.73e-03	-0.07	-1.49e-04	1.09e-04	0.0
1206	21	2.30e-03	5.84e-03	-0.07	-1.59e-04	9.52e-05	0.0
1206	25	2.41e-03	5.77e-03	-0.07	-1.59e-04	9.71e-05	0.0
1206	49	6.59e-03	4.26e-03	-0.08	-1.55e-04	1.24e-04	0.0
1206	53	2.65e-03	7.61e-03	-0.08	-1.71e-04	1.02e-04	0.0
1206	57	2.83e-03	7.51e-03	-0.08	-1.71e-04	1.05e-04	0.0
1206	70	1.89e-03	3.34e-03	-0.08	-1.63e-04	9.43e-05	0.0
1206	72	1.73e-03	2.93e-03	-0.07	-1.43e-04	8.60e-05	0.0
1207	2	2.01e-03	-4.84e-03	-0.11	2.37e-04	1.08e-04	0.0
1207	6	4.39e-03	-3.49e-03	-0.08	1.63e-04	1.03e-04	0.0
1207	10	4.57e-03	-3.18e-03	-0.08	1.61e-04	1.02e-04	0.0
1207	26	1.98e-03	-6.11e-03	-0.08	1.73e-04	8.37e-05	0.0
1207	38	6.17e-03	-3.74e-03	-0.08	1.70e-04	1.20e-04	0.0
1207	42	6.46e-03	-3.24e-03	-0.08	1.68e-04	1.20e-04	0.0
1207	58	2.34e-03	-7.91e-03	-0.08	1.86e-04	8.98e-05	0.0
1207	70	1.52e-03	-3.63e-03	-0.08	1.77e-04	8.18e-05	0.0
1207	72	1.40e-03	-3.18e-03	-0.08	1.56e-04	7.50e-05	0.0
1208	2	2.17e-03	-5.11e-03	-0.10	2.54e-04	1.07e-04	-3.83e-06
1208	6	4.49e-03	-3.67e-03	-0.07	1.76e-04	1.07e-04	-2.17e-06
1208	10	4.64e-03	-3.36e-03	-0.07	1.74e-04	1.07e-04	-2.32e-06
1208	26	2.13e-03	-6.33e-03	-0.07	1.88e-04	8.32e-05	-3.61e-06
1208	38	6.28e-03	-3.94e-03	-0.07	1.84e-04	1.28e-04	-2.06e-06
1208	42	6.51e-03	-3.43e-03	-0.07	1.81e-04	1.28e-04	-2.29e-06
1208	58	2.52e-03	-8.15e-03	-0.07	2.04e-04	8.98e-05	-4.34e-06
1208	70	1.64e-03	-3.83e-03	-0.07	1.90e-04	8.05e-05	-2.87e-06
1208	72	1.50e-03	-3.35e-03	-0.07	1.67e-04	7.38e-05	-2.46e-06
1209	2	2.11e-03	5.02e-03	-0.10	-2.52e-04	1.04e-04	1.84e-06
1209	13	4.42e-03	3.62e-03	-0.07	-1.74e-04	1.04e-04	0.0
1209	17	4.57e-03	3.31e-03	-0.07	-1.72e-04	1.04e-04	0.0
1209	21	2.08e-03	6.26e-03	-0.07	-1.86e-04	8.13e-05	1.87e-06
1209	45	6.18e-03	3.88e-03	-0.07	-1.82e-04	1.24e-04	0.0
1209	49	6.42e-03	3.38e-03	-0.07	-1.79e-04	1.24e-04	-1.20e-06
1209	53	2.46e-03	8.08e-03	-0.07	-2.01e-04	8.75e-05	2.33e-06
1209	70	1.59e-03	3.77e-03	-0.07	-1.89e-04	7.88e-05	1.37e-06
1209	72	1.46e-03	3.30e-03	-0.07	-1.65e-04	7.23e-05	1.13e-06
1210	2	2.27e-03	-4.99e-03	-0.09	2.44e-04	1.06e-04	0.0
1210	6	4.53e-03	-4.43e-03	-0.07	1.71e-04	1.02e-04	0.0
1210	10	4.66e-03	-4.12e-03	-0.07	1.69e-04	1.01e-04	0.0
1210	26	2.21e-03	-6.18e-03	-0.07	1.77e-04	8.17e-05	0.0
1210	38	6.31e-03	-5.16e-03	-0.07	1.79e-04	1.19e-04	0.0
1210	42	6.51e-03	-4.67e-03	-0.07	1.77e-04	1.19e-04	0.0



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1210	58	2.61e-03	-7.95e-03	-0.07	1.89e-04	8.74e-05	0.0
1210	70	1.71e-03	-3.75e-03	-0.07	1.83e-04	8.03e-05	0.0
1210	72	1.57e-03	-3.29e-03	-0.06	1.61e-04	7.36e-05	0.0
1211	2	1.72e-03	-4.47e-03	-0.08	2.18e-04	8.10e-05	0.0
1211	6	3.94e-03	-4.06e-03	-0.06	1.53e-04	7.54e-05	0.0
1211	10	4.06e-03	-3.77e-03	-0.06	1.52e-04	7.53e-05	0.0
1211	26	1.82e-03	-5.77e-03	-0.06	1.55e-04	6.10e-05	0.0
1211	38	5.58e-03	-4.77e-03	-0.06	1.61e-04	8.72e-05	0.0
1211	42	5.76e-03	-4.29e-03	-0.06	1.59e-04	8.71e-05	0.0
1211	58	2.20e-03	-7.48e-03	-0.06	1.64e-04	6.43e-05	0.0
1211	70	1.30e-03	-3.36e-03	-0.06	1.63e-04	6.12e-05	0.0
1211	72	1.19e-03	-2.96e-03	-0.06	1.44e-04	5.65e-05	0.0
1212	2	1.33e-03	-3.67e-03	-0.07	1.79e-04	6.22e-05	0.0
1212	6	3.58e-03	-3.52e-03	-0.05	1.27e-04	5.89e-05	0.0
1212	10	3.68e-03	-3.23e-03	-0.05	1.26e-04	5.88e-05	0.0
1212	26	1.56e-03	-5.17e-03	-0.05	1.25e-04	4.71e-05	0.0
1212	38	5.16e-03	-4.21e-03	-0.05	1.34e-04	6.83e-05	0.0
1212	42	5.31e-03	-3.75e-03	-0.05	1.33e-04	6.82e-05	0.0
1212	58	1.95e-03	-6.83e-03	-0.05	1.31e-04	4.96e-05	0.0
1212	70	1.00e-03	-2.76e-03	-0.05	1.35e-04	4.70e-05	0.0
1212	72	9.29e-04	-2.43e-03	-0.05	1.19e-04	4.37e-05	0.0
1213	2	1.03e-03	-2.74e-03	-0.06	1.34e-04	4.78e-05	0.0
1213	6	3.30e-03	-2.15e-03	-0.05	9.53e-05	4.55e-05	0.0
1213	10	3.37e-03	-1.86e-03	-0.05	9.47e-05	4.56e-05	0.0
1213	26	1.38e-03	-4.50e-03	-0.04	9.26e-05	3.58e-05	0.0
1213	38	4.82e-03	-2.38e-03	-0.05	1.01e-04	5.27e-05	0.0
1213	42	4.94e-03	-1.92e-03	-0.05	9.98e-05	5.29e-05	0.0
1213	58	1.78e-03	-6.12e-03	-0.04	9.64e-05	3.72e-05	0.0
1213	70	7.82e-04	-2.06e-03	-0.04	1.00e-04	3.61e-05	0.0
1213	72	7.31e-04	-1.82e-03	-0.04	8.90e-05	3.39e-05	0.0
1214	2	8.39e-04	-1.75e-03	-0.05	8.51e-05	3.81e-05	0.0
1214	6	3.11e-03	-1.48e-03	-0.04	6.14e-05	3.68e-05	0.0
1214	10	3.16e-03	-1.20e-03	-0.04	6.10e-05	3.69e-05	0.0
1214	26	1.28e-03	-3.81e-03	-0.04	5.86e-05	2.91e-05	0.0
1214	38	4.60e-03	-1.69e-03	-0.04	6.52e-05	4.27e-05	0.0
1214	42	4.67e-03	-1.24e-03	-0.04	6.46e-05	4.27e-05	0.0
1214	58	1.68e-03	-5.39e-03	-0.04	6.08e-05	3.04e-05	0.0
1214	70	6.34e-04	-1.31e-03	-0.04	6.40e-05	2.88e-05	0.0
1214	72	5.97e-04	-1.16e-03	-0.04	5.67e-05	2.73e-05	0.0
1215	2	7.35e-04	-7.30e-04	-0.05	3.52e-05	3.29e-05	0.0
1215	6	3.00e-03	-7.91e-04	-0.04	2.66e-05	3.20e-05	0.0
1215	10	3.02e-03	-5.16e-04	-0.04	2.64e-05	3.20e-05	0.0
1215	26	1.24e-03	-3.12e-03	-0.04	2.48e-05	2.56e-05	0.0
1215	38	4.47e-03	-9.82e-04	-0.04	2.90e-05	3.71e-05	0.0
1215	42	4.50e-03	-5.40e-04	-0.04	2.85e-05	3.71e-05	0.0
1215	58	1.66e-03	-4.69e-03	-0.04	2.61e-05	2.70e-05	0.0
1215	70	5.56e-04	-5.49e-04	-0.04	2.64e-05	2.48e-05	0.0
1215	72	5.26e-04	-4.85e-04	-0.04	2.34e-05	2.37e-05	0.0
1216	2	7.21e-04	2.94e-04	-0.05	-1.52e-05	3.21e-05	0.0
1216	13	2.99e-03	5.06e-04	-0.04	-1.29e-05	3.12e-05	0.0
1216	17	3.00e-03	2.31e-04	-0.04	-1.26e-05	3.12e-05	0.0
1216	21	1.24e-03	2.84e-03	-0.04	-1.19e-05	2.52e-05	0.0
1216	45	4.45e-03	6.94e-04	-0.04	-1.47e-05	3.61e-05	0.0
1216	49	4.46e-03	2.52e-04	-0.04	-1.43e-05	3.61e-05	0.0
1216	53	1.67e-03	4.40e-03	-0.04	-1.31e-05	2.66e-05	0.0
1216	70	5.45e-04	2.21e-04	-0.04	-1.15e-05	2.42e-05	0.0
1216	72	5.16e-04	1.96e-04	-0.04	-1.02e-05	2.31e-05	0.0
1217	2	7.95e-04	1.32e-03	-0.05	-6.55e-05	3.56e-05	0.0
1217	13	3.07e-03	1.20e-03	-0.04	-4.76e-05	3.46e-05	0.0
1217	17	3.10e-03	9.18e-04	-0.04	-4.73e-05	3.46e-05	0.0
1217	21	1.26e-03	3.52e-03	-0.04	-4.51e-05	2.74e-05	0.0
1217	45	4.55e-03	1.40e-03	-0.04	-5.09e-05	4.01e-05	0.0
1217	49	4.60e-03	9.58e-04	-0.04	-5.03e-05	4.02e-05	0.0
1217	53	1.67e-03	5.10e-03	-0.04	-4.68e-05	2.87e-05	0.0
1217	70	6.01e-04	9.88e-04	-0.04	-4.92e-05	2.69e-05	0.0
1217	72	5.67e-04	8.75e-04	-0.04	-4.36e-05	2.56e-05	0.0
1218	2	9.61e-04	2.32e-03	-0.06	-1.15e-04	4.36e-05	0.0
1218	13	3.23e-03	1.87e-03	-0.04	-8.20e-05	4.19e-05	0.0
1218	17	3.29e-03	1.59e-03	-0.04	-8.15e-05	4.19e-05	0.0
1218	21	1.34e-03	4.21e-03	-0.04	-7.91e-05	3.29e-05	0.0
1218	45	4.74e-03	2.10e-03	-0.04	-8.67e-05	4.85e-05	0.0
1218	49	4.84e-03	1.65e-03	-0.04	-8.59e-05	4.87e-05	0.0
1218	53	1.74e-03	5.81e-03	-0.04	-8.22e-05	3.43e-05	0.0
1218	70	7.26e-04	1.74e-03	-0.04	-8.62e-05	3.30e-05	0.0
1218	72	6.80e-04	1.54e-03	-0.04	-7.63e-05	3.11e-05	0.0
1219	2	1.22e-03	3.28e-03	-0.06	-1.62e-04	5.64e-05	0.0



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1219	13	3.48e-03	2.52e-03	-0.05	-1.15e-04	5.36e-05	0.0
1219	17	3.57e-03	2.23e-03	-0.05	-1.14e-04	5.35e-05	0.0
1219	21	1.50e-03	4.89e-03	-0.05	-1.12e-04	4.29e-05	0.0
1219	45	5.04e-03	2.76e-03	-0.05	-1.21e-04	6.22e-05	0.0
1219	49	5.17e-03	2.30e-03	-0.05	-1.20e-04	6.21e-05	0.0
1219	53	1.89e-03	6.53e-03	-0.05	-1.18e-04	4.52e-05	0.0
1219	70	9.25e-04	2.46e-03	-0.05	-1.21e-04	4.26e-05	0.0
1219	72	8.60e-04	2.18e-03	-0.05	-1.07e-04	3.97e-05	0.0
1220	2	1.60e-03	4.14e-03	-0.07	-2.03e-04	7.40e-05	0.0
1220	13	3.82e-03	3.84e-03	-0.05	-1.43e-04	6.91e-05	0.0
1220	17	3.93e-03	3.54e-03	-0.05	-1.42e-04	6.90e-05	0.0
1220	21	1.74e-03	5.52e-03	-0.05	-1.43e-04	5.57e-05	0.0
1220	45	5.44e-03	4.53e-03	-0.06	-1.51e-04	8.01e-05	0.0
1220	49	5.60e-03	4.06e-03	-0.06	-1.49e-04	7.99e-05	0.0
1220	53	2.12e-03	7.21e-03	-0.05	-1.51e-04	5.88e-05	0.0
1220	70	1.21e-03	3.11e-03	-0.05	-1.53e-04	5.59e-05	0.0
1220	72	1.11e-03	2.74e-03	-0.05	-1.35e-04	5.17e-05	0.0
1221	2	2.15e-03	4.76e-03	-0.08	-2.34e-04	9.92e-05	0.0
1221	13	4.37e-03	4.26e-03	-0.06	-1.64e-04	9.28e-05	0.0
1221	17	4.49e-03	3.96e-03	-0.06	-1.63e-04	9.26e-05	0.0
1221	21	2.12e-03	5.99e-03	-0.06	-1.68e-04	7.54e-05	0.0
1221	45	6.09e-03	4.98e-03	-0.06	-1.72e-04	1.08e-04	0.0
1221	49	6.28e-03	4.50e-03	-0.06	-1.70e-04	1.08e-04	0.0
1221	53	2.52e-03	7.73e-03	-0.06	-1.78e-04	8.03e-05	0.0
1221	70	1.63e-03	3.58e-03	-0.06	-1.76e-04	7.49e-05	0.0
1221	72	1.49e-03	3.15e-03	-0.06	-1.55e-04	6.87e-05	0.0
1222	2	2.05e-03	4.76e-03	-0.11	-2.35e-04	1.08e-04	0.0
1222	13	4.41e-03	3.44e-03	-0.08	-1.62e-04	1.02e-04	0.0
1222	17	4.59e-03	3.14e-03	-0.08	-1.60e-04	1.01e-04	0.0
1222	21	2.00e-03	6.06e-03	-0.08	-1.72e-04	8.30e-05	0.0
1222	45	6.18e-03	3.69e-03	-0.08	-1.69e-04	1.19e-04	0.0
1222	49	6.47e-03	3.20e-03	-0.08	-1.66e-04	1.18e-04	0.0
1222	53	2.36e-03	7.85e-03	-0.08	-1.85e-04	8.90e-05	0.0
1222	70	1.55e-03	3.57e-03	-0.08	-1.76e-04	8.13e-05	0.0
1222	72	1.43e-03	3.13e-03	-0.08	-1.55e-04	7.46e-05	0.0
1223	2	1.89e-03	-5.18e-03	-0.11	2.45e-04	1.04e-04	0.0
1223	6	4.33e-03	-3.70e-03	-0.08	1.71e-04	1.02e-04	0.0
1223	10	4.51e-03	-3.39e-03	-0.08	1.69e-04	1.02e-04	0.0
1223	26	1.91e-03	-6.41e-03	-0.08	1.81e-04	8.14e-05	0.0
1223	38	6.11e-03	-3.95e-03	-0.09	1.80e-04	1.21e-04	0.0
1223	42	6.41e-03	-3.46e-03	-0.09	1.78e-04	1.21e-04	0.0
1223	58	2.26e-03	-8.26e-03	-0.09	1.95e-04	8.79e-05	0.0
1223	70	1.43e-03	-3.89e-03	-0.09	1.83e-04	7.83e-05	0.0
1223	72	1.33e-03	-3.40e-03	-0.08	1.61e-04	7.19e-05	0.0
1224	2	2.07e-03	-5.29e-03	-0.10	2.52e-04	1.02e-04	0.0
1224	6	4.35e-03	-3.78e-03	-0.08	1.75e-04	9.75e-05	0.0
1224	10	4.50e-03	-3.47e-03	-0.08	1.74e-04	9.74e-05	0.0
1224	26	2.04e-03	-6.48e-03	-0.07	1.84e-04	7.82e-05	0.0
1224	38	6.09e-03	-4.03e-03	-0.08	1.84e-04	1.14e-04	0.0
1224	42	6.33e-03	-3.54e-03	-0.08	1.82e-04	1.14e-04	0.0
1224	58	2.42e-03	-8.32e-03	-0.08	1.98e-04	8.36e-05	0.0
1224	70	1.56e-03	-3.97e-03	-0.08	1.89e-04	7.69e-05	0.0
1224	72	1.43e-03	-3.47e-03	-0.07	1.66e-04	7.05e-05	0.0
1225	2	2.05e-03	5.11e-03	-0.10	-2.47e-04	1.01e-04	0.0
1225	13	4.31e-03	3.64e-03	-0.08	-1.71e-04	9.62e-05	0.0
1225	17	4.46e-03	3.34e-03	-0.08	-1.70e-04	9.60e-05	0.0
1225	21	2.02e-03	6.34e-03	-0.07	-1.80e-04	7.70e-05	0.0
1225	45	6.03e-03	3.89e-03	-0.08	-1.80e-04	1.13e-04	0.0
1225	49	6.28e-03	3.40e-03	-0.08	-1.77e-04	1.12e-04	0.0
1225	53	2.38e-03	8.17e-03	-0.08	-1.94e-04	8.22e-05	0.0
1225	70	1.55e-03	3.83e-03	-0.08	-1.86e-04	7.61e-05	0.0
1225	72	1.42e-03	3.35e-03	-0.07	-1.63e-04	6.98e-05	0.0
1226	2	2.07e-03	-5.35e-03	-0.09	2.56e-04	9.63e-05	0.0
1226	6	4.31e-03	-4.69e-03	-0.07	1.80e-04	9.23e-05	0.0
1226	10	4.44e-03	-4.38e-03	-0.07	1.78e-04	9.21e-05	0.0
1226	26	2.05e-03	-6.51e-03	-0.07	1.87e-04	7.37e-05	0.0
1226	38	6.03e-03	-5.45e-03	-0.07	1.90e-04	1.08e-04	0.0
1226	42	6.24e-03	-4.96e-03	-0.07	1.88e-04	1.08e-04	0.0
1226	58	2.44e-03	-8.34e-03	-0.07	2.01e-04	7.88e-05	0.0
1226	70	1.56e-03	-4.01e-03	-0.07	1.92e-04	7.27e-05	0.0
1226	72	1.43e-03	-3.52e-03	-0.07	1.69e-04	6.66e-05	0.0
1227	2	1.58e-03	-4.68e-03	-0.08	2.28e-04	7.41e-05	0.0
1227	6	3.90e-03	-4.19e-03	-0.06	1.64e-04	7.29e-05	0.0
1227	10	4.02e-03	-3.90e-03	-0.06	1.62e-04	7.28e-05	0.0
1227	26	1.74e-03	-5.94e-03	-0.06	1.63e-04	5.66e-05	0.0
1227	38	5.56e-03	-4.90e-03	-0.06	1.74e-04	8.59e-05	0.0



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1227	42	5.75e-03	-4.43e-03	-0.06	1.72e-04	8.57e-05	0.0
1227	58	2.12e-03	-7.67e-03	-0.06	1.73e-04	6.00e-05	0.0
1227	70	1.19e-03	-3.51e-03	-0.06	1.71e-04	5.60e-05	0.0
1227	72	1.10e-03	-3.10e-03	-0.06	1.51e-04	5.19e-05	0.0
1228	2	1.17e-03	-3.85e-03	-0.07	1.88e-04	5.48e-05	0.0
1228	6	3.49e-03	-3.64e-03	-0.05	1.36e-04	5.42e-05	0.0
1228	10	3.59e-03	-3.36e-03	-0.05	1.35e-04	5.43e-05	0.0
1228	26	1.46e-03	-5.31e-03	-0.05	1.32e-04	4.11e-05	0.0
1228	38	5.07e-03	-4.33e-03	-0.06	1.44e-04	6.36e-05	0.0
1228	42	5.23e-03	-3.87e-03	-0.06	1.43e-04	6.38e-05	0.0
1228	58	1.84e-03	-6.98e-03	-0.05	1.39e-04	4.28e-05	0.0
1228	70	8.89e-04	-2.89e-03	-0.05	1.41e-04	4.15e-05	0.0
1228	72	8.30e-04	-2.56e-03	-0.05	1.25e-04	3.88e-05	0.0
1229	2	8.71e-04	-2.87e-03	-0.06	1.40e-04	3.98e-05	0.0
1229	6	3.20e-03	-2.24e-03	-0.05	1.02e-04	4.06e-05	0.0
1229	10	3.27e-03	-1.96e-03	-0.05	1.01e-04	4.06e-05	0.0
1229	26	1.27e-03	-4.60e-03	-0.05	9.74e-05	3.04e-05	0.0
1229	38	4.73e-03	-2.47e-03	-0.05	1.08e-04	4.78e-05	0.0
1229	42	4.84e-03	-2.02e-03	-0.05	1.07e-04	4.80e-05	0.0
1229	58	1.66e-03	-6.23e-03	-0.05	1.01e-04	3.17e-05	0.0
1229	70	6.59e-04	-2.16e-03	-0.05	1.05e-04	3.01e-05	0.0
1229	72	6.23e-04	-1.91e-03	-0.05	9.35e-05	2.86e-05	0.0
1230	2	6.69e-04	-1.83e-03	-0.05	8.92e-05	2.97e-05	0.0
1230	6	3.00e-03	-1.53e-03	-0.04	6.53e-05	3.14e-05	0.0
1230	10	3.05e-03	-1.26e-03	-0.04	6.49e-05	3.14e-05	0.0
1230	26	1.16e-03	-3.88e-03	-0.04	6.14e-05	2.35e-05	0.0
1230	38	4.49e-03	-1.74e-03	-0.04	6.98e-05	3.72e-05	0.0
1230	42	4.56e-03	-1.30e-03	-0.04	6.92e-05	3.73e-05	0.0
1230	58	1.57e-03	-5.47e-03	-0.04	6.37e-05	2.46e-05	0.0
1230	70	5.06e-04	-1.38e-03	-0.04	6.71e-05	2.25e-05	0.0
1230	72	4.84e-04	-1.22e-03	-0.04	5.95e-05	2.17e-05	0.0
1231	2	5.62e-04	-7.65e-04	-0.05	3.68e-05	2.44e-05	0.0
1231	6	2.89e-03	-8.05e-04	-0.04	2.84e-05	2.64e-05	0.0
1231	10	2.91e-03	-5.37e-04	-0.04	2.81e-05	2.64e-05	0.0
1231	26	1.12e-03	-3.15e-03	-0.04	2.59e-05	2.01e-05	0.0
1231	38	4.36e-03	-9.90e-04	-0.04	3.11e-05	3.14e-05	0.0
1231	42	4.39e-03	-5.60e-04	-0.04	3.06e-05	3.14e-05	0.0
1231	58	1.54e-03	-4.72e-03	-0.04	2.72e-05	2.13e-05	0.0
1231	70	4.26e-04	-5.75e-04	-0.04	2.77e-05	1.85e-05	0.0
1231	72	4.11e-04	-5.09e-04	-0.04	2.45e-05	1.81e-05	0.0
1232	2	5.48e-04	3.07e-04	-0.05	-1.60e-05	2.36e-05	0.0
1232	13	2.88e-03	5.03e-04	-0.04	-1.39e-05	2.56e-05	0.0
1232	17	2.88e-03	2.36e-04	-0.04	-1.36e-05	2.56e-05	0.0
1232	21	1.13e-03	2.85e-03	-0.04	-1.24e-05	1.97e-05	0.0
1232	45	4.34e-03	6.85e-04	-0.04	-1.60e-05	3.05e-05	0.0
1232	49	4.35e-03	2.55e-04	-0.04	-1.55e-05	3.05e-05	0.0
1232	53	1.56e-03	4.42e-03	-0.04	-1.37e-05	2.10e-05	0.0
1232	70	4.15e-04	2.31e-04	-0.04	-1.20e-05	1.78e-05	0.0
1232	72	4.01e-04	2.05e-04	-0.04	-1.07e-05	1.75e-05	0.0
1233	2	6.24e-04	1.38e-03	-0.05	-6.86e-05	2.72e-05	0.0
1233	13	2.96e-03	1.23e-03	-0.04	-5.07e-05	2.91e-05	0.0
1233	17	2.99e-03	9.60e-04	-0.04	-5.04e-05	2.92e-05	0.0
1233	21	1.14e-03	3.57e-03	-0.04	-4.73e-05	2.19e-05	0.0
1233	45	4.44e-03	1.43e-03	-0.04	-5.45e-05	3.46e-05	0.0
1233	49	4.49e-03	1.00e-03	-0.04	-5.39e-05	3.47e-05	0.0
1233	53	1.55e-03	5.15e-03	-0.04	-4.91e-05	2.31e-05	0.0
1233	70	4.72e-04	1.03e-03	-0.04	-5.16e-05	2.06e-05	0.0
1233	72	4.53e-04	9.16e-04	-0.04	-4.57e-05	2.00e-05	0.0
1234	2	7.96e-04	2.43e-03	-0.06	-1.20e-04	3.56e-05	0.0
1234	13	3.13e-03	1.94e-03	-0.05	-8.73e-05	3.67e-05	0.0
1234	17	3.19e-03	1.67e-03	-0.05	-8.68e-05	3.68e-05	0.0
1234	21	1.23e-03	4.30e-03	-0.04	-8.32e-05	2.75e-05	0.0
1234	45	4.64e-03	2.17e-03	-0.05	-9.30e-05	4.34e-05	0.0
1234	49	4.74e-03	1.73e-03	-0.05	-9.22e-05	4.36e-05	0.0
1234	53	1.63e-03	5.91e-03	-0.04	-8.65e-05	2.88e-05	0.0
1234	70	6.02e-04	1.82e-03	-0.04	-9.05e-05	2.69e-05	0.0
1234	72	5.71e-04	1.62e-03	-0.04	-8.02e-05	2.57e-05	0.0
1235	2	1.07e-03	3.43e-03	-0.07	-1.70e-04	4.89e-05	0.0
1235	13	3.39e-03	3.37e-03	-0.05	-1.22e-04	4.88e-05	0.0
1235	17	3.48e-03	3.09e-03	-0.05	-1.22e-04	4.89e-05	0.0
1235	21	1.40e-03	5.01e-03	-0.05	-1.19e-04	3.69e-05	0.0
1235	45	4.95e-03	4.05e-03	-0.05	-1.30e-04	5.74e-05	0.0
1235	49	5.09e-03	3.60e-03	-0.05	-1.29e-04	5.75e-05	0.0
1235	53	1.78e-03	6.66e-03	-0.05	-1.24e-04	3.84e-05	0.0
1235	70	8.10e-04	2.58e-03	-0.05	-1.28e-04	3.70e-05	0.0
1235	72	7.58e-04	2.28e-03	-0.05	-1.13e-04	3.48e-05	0.0



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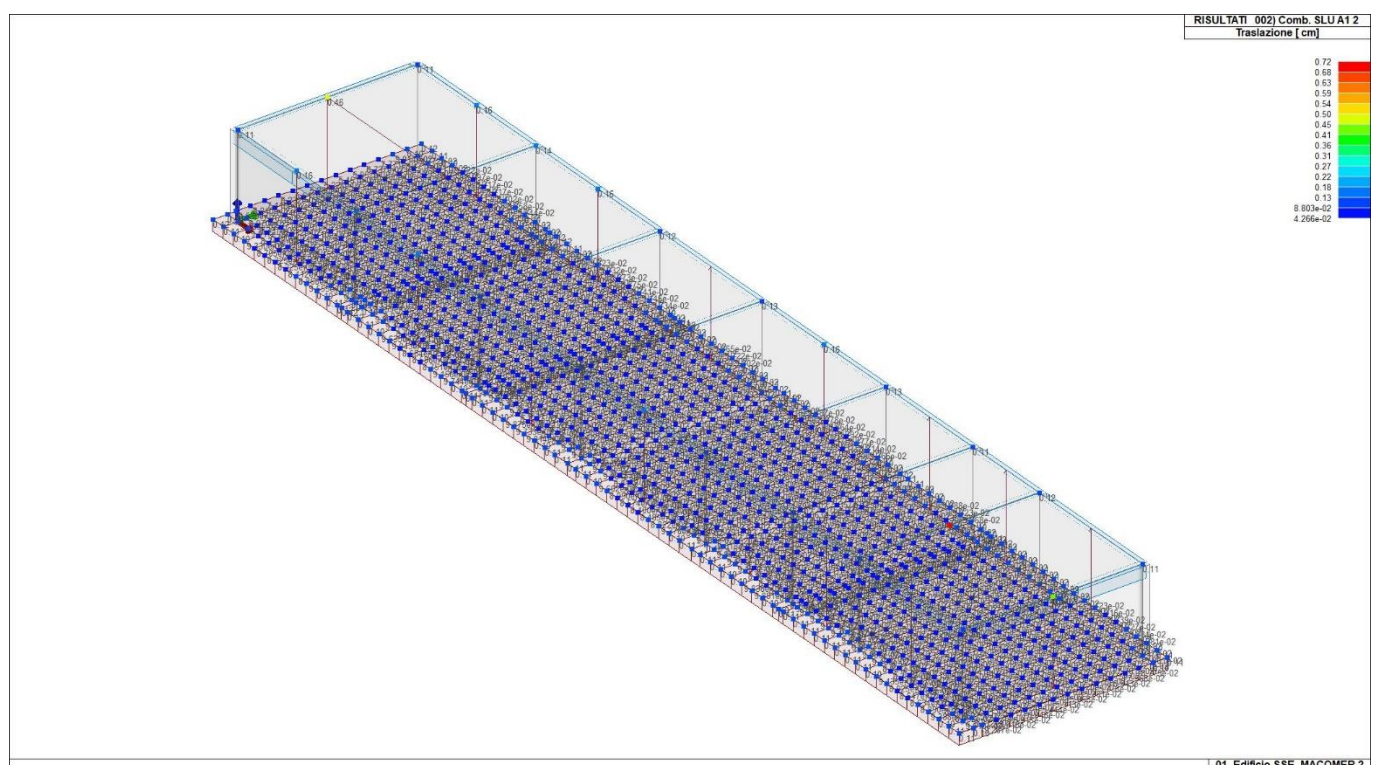
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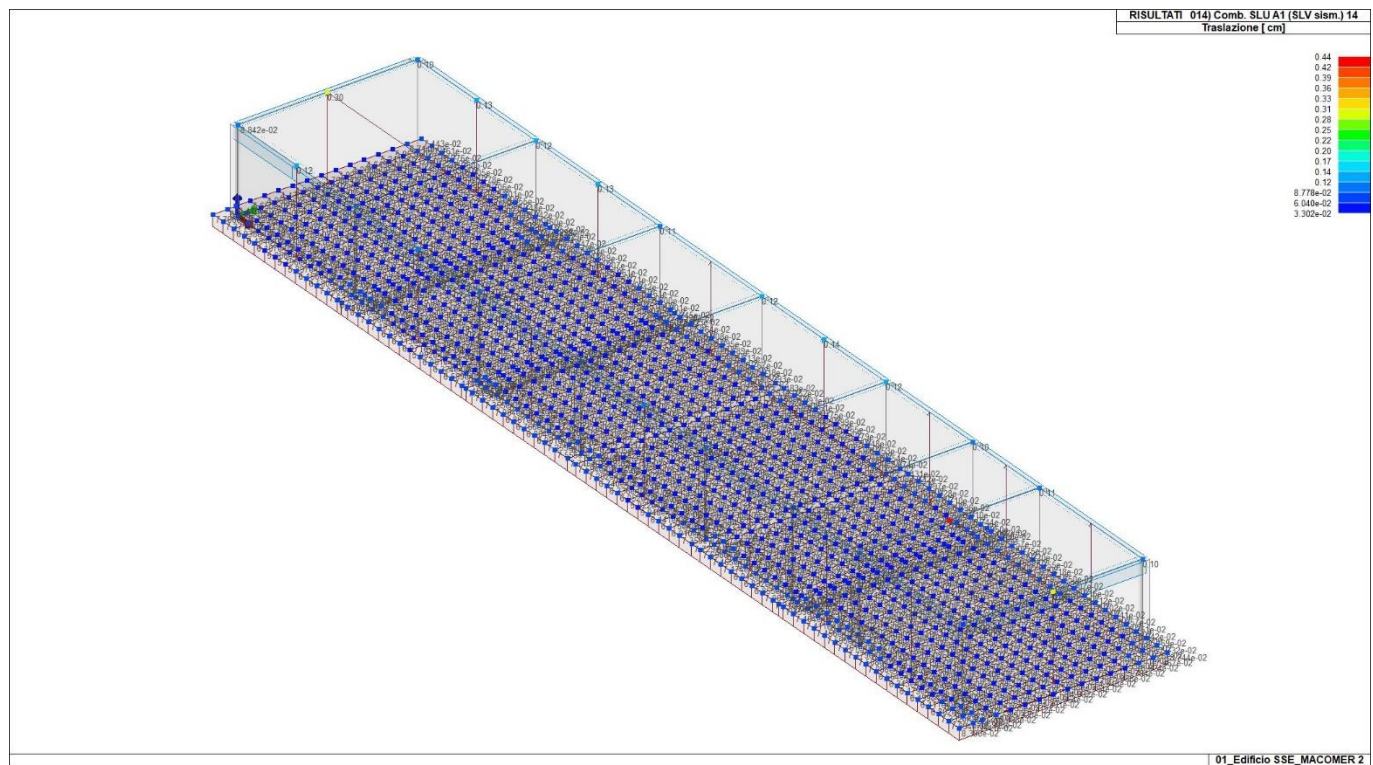
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1236	2	1.47e-03	4.33e-03	-0.08	-2.13e-04	6.73e-05	0.0
1236	13	3.77e-03	3.96e-03	-0.06	-1.53e-04	6.61e-05	0.0
1236	17	3.88e-03	3.67e-03	-0.06	-1.52e-04	6.60e-05	0.0
1236	21	1.66e-03	5.67e-03	-0.06	-1.51e-04	5.15e-05	0.0
1236	45	5.41e-03	4.65e-03	-0.06	-1.62e-04	7.78e-05	0.0
1236	49	5.58e-03	4.19e-03	-0.06	-1.61e-04	7.76e-05	0.0
1236	53	2.04e-03	7.38e-03	-0.06	-1.60e-04	5.45e-05	0.0
1236	70	1.11e-03	3.25e-03	-0.06	-1.60e-04	5.09e-05	0.0
1236	72	1.02e-03	2.87e-03	-0.06	-1.42e-04	4.73e-05	0.0
1237	2	2.04e-03	5.13e-03	-0.09	-2.48e-04	9.25e-05	0.0
1237	13	4.30e-03	4.52e-03	-0.07	-1.75e-04	8.74e-05	0.0
1237	17	4.35e-03	4.22e-03	-0.07	-1.74e-04	8.73e-05	0.0
1237	21	2.26e-03	6.32e-03	-0.07	-1.80e-04	7.07e-05	0.0
1237	45	6.03e-03	5.26e-03	-0.07	-1.85e-04	1.02e-04	0.0
1237	49	6.11e-03	4.78e-03	-0.07	-1.83e-04	1.02e-04	0.0
1237	53	2.79e-03	8.12e-03	-0.07	-1.92e-04	7.55e-05	0.0
1237	70	1.54e-03	3.85e-03	-0.07	-1.86e-04	6.98e-05	0.0
1237	72	1.40e-03	3.38e-03	-0.06	-1.64e-04	6.39e-05	0.0
1238	2	1.94e-03	5.01e-03	-0.11	-2.41e-04	1.03e-04	0.0
1238	13	4.35e-03	3.58e-03	-0.08	-1.68e-04	1.01e-04	0.0
1238	17	4.54e-03	3.27e-03	-0.08	-1.66e-04	1.01e-04	0.0
1238	21	1.93e-03	6.28e-03	-0.08	-1.78e-04	8.07e-05	0.0
1238	45	6.13e-03	3.81e-03	-0.09	-1.77e-04	1.19e-04	0.0
1238	49	6.43e-03	3.32e-03	-0.09	-1.74e-04	1.19e-04	0.0
1238	53	2.29e-03	8.11e-03	-0.09	-1.92e-04	8.70e-05	0.0
1238	70	1.47e-03	3.76e-03	-0.09	-1.81e-04	7.80e-05	0.0
1238	72	1.36e-03	3.29e-03	-0.08	-1.59e-04	7.16e-05	0.0
1239	2	-3.78e-03	0.03	-0.10	-1.39e-03	-1.91e-04	-2.40e-06
1239	6	0.06	9.33e-03	-0.08	-8.29e-04	-2.75e-05	-1.84e-05
1239	11	-0.07	0.02	-0.07	-8.51e-04	-2.50e-04	1.43e-05
1239	21	0.02	0.07	-0.07	-9.25e-04	-1.03e-04	-4.03e-05
1239	38	0.10	4.61e-03	-0.08	-8.21e-04	3.77e-05	-2.75e-05
1239	43	-0.11	0.03	-0.06	-8.56e-04	-3.16e-04	2.26e-05
1239	53	0.03	0.09	-0.07	-9.73e-04	-8.22e-05	-6.27e-05
1239	70	-2.89e-03	0.02	-0.08	-1.04e-03	-1.46e-04	-1.78e-06
1239	72	-2.78e-03	0.02	-0.07	-8.81e-04	-1.40e-04	-1.45e-06
1240	2	-3.77e-03	-0.03	-0.10	1.39e-03	-1.90e-04	1.98e-06
1240	13	0.06	-9.58e-03	-0.08	8.30e-04	-2.73e-05	1.79e-05
1240	20	-0.07	-0.02	-0.07	8.51e-04	-2.49e-04	-1.48e-05
1240	24	-0.02	-0.07	-0.07	9.19e-04	-1.60e-04	1.94e-05
1240	45	0.10	-4.82e-03	-0.08	8.22e-04	3.78e-05	2.70e-05
1240	52	-0.11	-0.03	-0.06	8.56e-04	-3.15e-04	-2.32e-05
1240	56	-0.02	-0.09	-0.07	9.64e-04	-1.73e-04	3.00e-05
1240	70	-2.88e-03	-0.02	-0.08	1.04e-03	-1.45e-04	1.47e-06
1240	72	-2.77e-03	-0.02	-0.07	8.82e-04	-1.39e-04	1.18e-06
1241	2	-3.43e-03	-2.34e-04	-0.44	0.0	-1.91e-04	0.0
1241	6	0.07	-7.82e-03	-0.28	-1.38e-06	-1.87e-05	4.16e-05
1241	15	-0.07	0.02	-0.27	1.21e-05	-2.57e-04	5.01e-05
1241	24	-0.02	-0.05	-0.27	-2.44e-05	-1.74e-04	-3.03e-05
1241	38	0.11	-0.01	-0.28	-2.23e-06	5.15e-05	6.62e-05
1241	47	-0.11	0.03	-0.27	1.92e-05	-3.27e-04	7.94e-05
1241	56	-0.04	-0.07	-0.27	-3.87e-05	-1.95e-04	-4.79e-05
1241	70	-2.63e-03	-1.76e-04	-0.33	0.0	-1.45e-04	0.0
1241	72	-2.57e-03	-1.53e-04	-0.29	0.0	-1.39e-04	0.0

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-0.12	-0.23	-0.72	-3.06e-03	-3.27e-04	-2.66e-04
	0.14	0.23	-0.03	3.06e-03	3.75e-04	2.67e-04

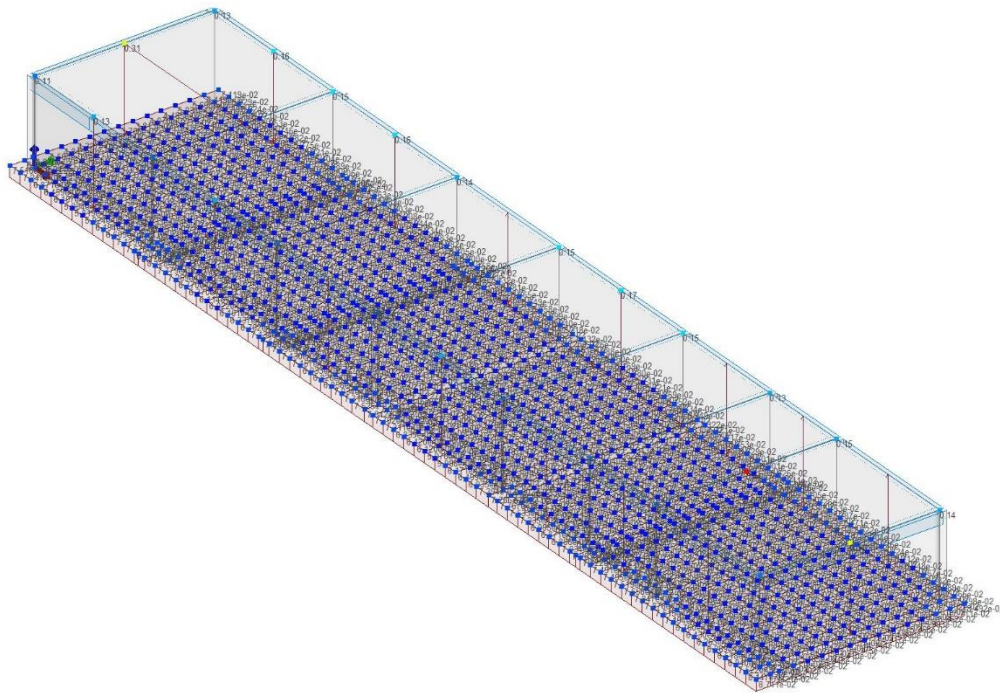


41_RIS_SPOSTAMENTI_002_Comb. SLU A1 2



41_RIS_SPOSTAMENTI_014_Comb. SLU A1 (SLV sism.) 14

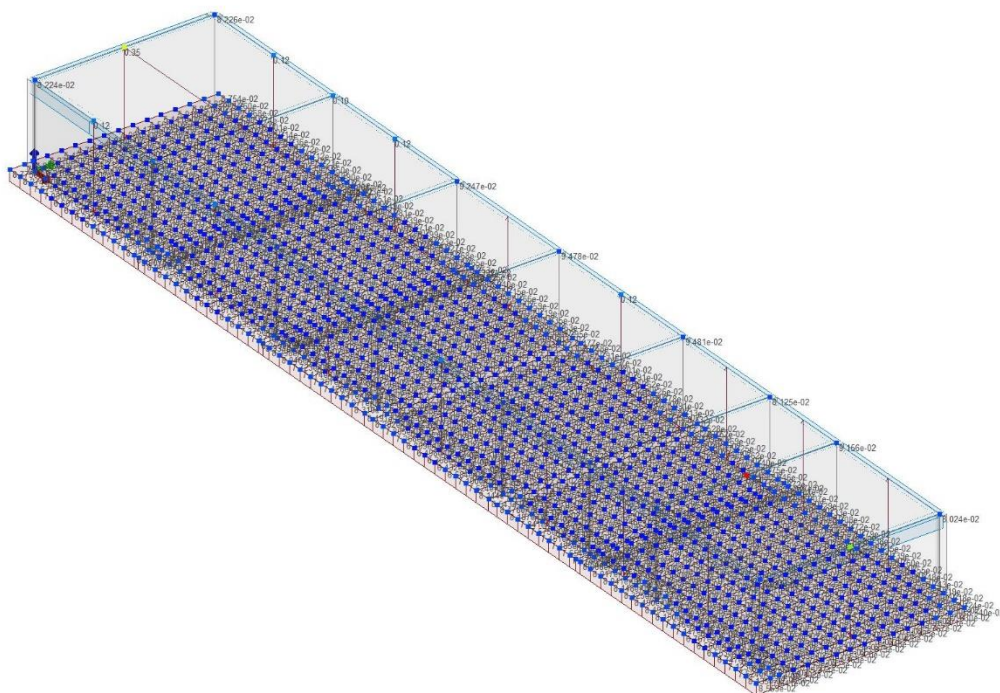
RISULTATI 048) Comb. SLE (SLD Danno sism.) 46
Traslazione [cm]



01_Edificio SSE_MACOMER 2

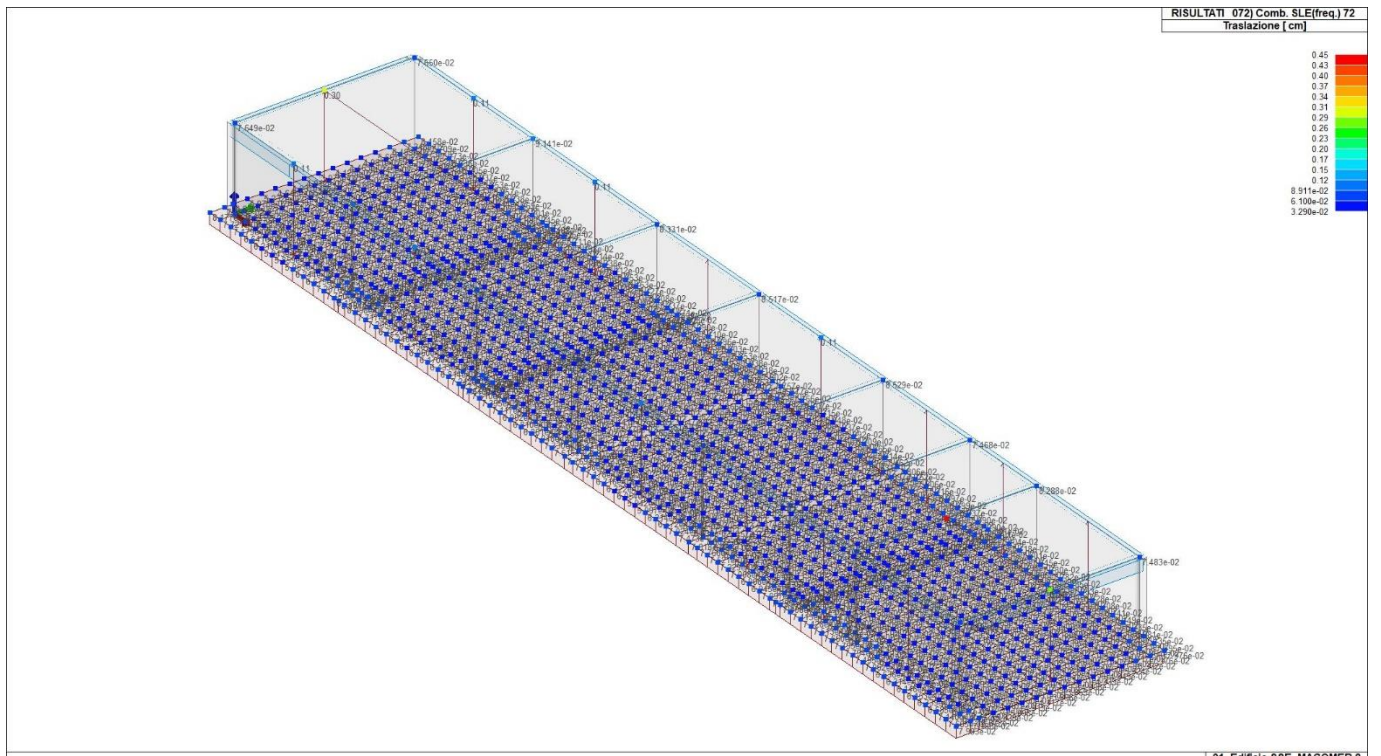
41_RIS_SPOSTAMENTI_046_Comb. SLE (SLD Danno sism.) 46

RISULTATI 070) Comb. SLE(rara) 70
Traslazione [cm]



01_Edificio SSE_MACOMER 2

41_RIS_SPOSTAMENTI_070_Comb. SLE(rara) 70



41_RIS_SPOSTAMENTI_072_Comb. SLE(freq.) 72

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



15. RISULTATI OPERE DI FONDAZIONE

15.1. LEGENDA RISULTATI OPERE DI FONDAZIONE

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

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (esprese 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 (<i>PALO</i>) 4) plinto su palo 5) plinto su due pali (<i>PL.2P</i>) 6) plinto su tre pali (<i>PL.3P</i>) 7) plinto su quattro pali (<i>PL.4P</i>) 8) plinto rettangolare su cinque pali (<i>PL.5P.R</i>) 9) plinto pentagonale su cinque pali (<i>PL.5P</i>) 10) plinto su sei pali (<i>PL.6P</i>)
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 F_z (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



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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.



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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



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Nodo (G)	Pt 1/12 daN/cm2	Pt 2/13 daN/cm2	Pt 3... daN/cm2	Pt 4... daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-0.30	-0.22	-0.23	-0.23	-0.21					
3	-0.30	-0.22	-0.23	-0.23	-0.21					
9	-0.28	-0.21	-0.21	-0.22	-0.20					
11	-0.30	-0.21	-0.22	-0.22	-0.21					
12	-0.30	-0.22	-0.22	-0.23	-0.21					
13	-0.30	-0.22	-0.22	-0.23	-0.21					
15	-0.30	-0.22	-0.22	-0.23	-0.21					
17	-0.28	-0.21	-0.21	-0.22	-0.20					
21	-0.30	-0.21	-0.22	-0.22	-0.21					
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86	-0.17	-0.13	-0.13	-0.13	-0.13					



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321	-0.20	-0.15	-0.15	-0.15	-0.15
322	-0.18	-0.13	-0.13	-0.13	-0.13
323	-0.16	-0.12	-0.12	-0.12	-0.12
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331	-0.22	-0.16	-0.16	-0.17	-0.16
332	-0.25	-0.18	-0.18	-0.19	-0.18
333	-0.26	-0.19	-0.19	-0.20	-0.19
334	-0.24	-0.18	-0.18	-0.18	-0.17
335	-0.21	-0.15	-0.16	-0.16	-0.15
336	-0.18	-0.14	-0.14	-0.14	-0.13
337	-0.16	-0.12	-0.12	-0.12	-0.12
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374	-0.29	-0.21	-0.21	-0.22	-0.20
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387	-0.29	-0.21	-0.21	-0.22	-0.20
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390	-0.19	-0.14	-0.14	-0.15	-0.14



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596	-0.22	-0.16	-0.16	-0.17	-0.16
597	-0.19	-0.14	-0.14	-0.15	-0.14
598	-0.17	-0.13	-0.13	-0.13	-0.13
599	-0.15	-0.11	-0.12	-0.12	-0.11
600	-0.14	-0.11	-0.11	-0.11	-0.11
601	-0.13	-0.10	-0.10	-0.10	-0.10
602	-0.13	-0.10	-0.10	-0.10	-0.10
603	-0.14	-0.10	-0.10	-0.10	-0.10
604	-0.15	-0.11	-0.11	-0.11	-0.11
605	-0.16	-0.12	-0.12	-0.12	-0.12
606	-0.18	-0.14	-0.14	-0.14	-0.13
607	-0.21	-0.15	-0.15	-0.15	-0.15
608	-0.23	-0.17	-0.17	-0.18	-0.17
609	-0.23	-0.17	-0.17	-0.17	-0.16
610	-0.21	-0.16	-0.16	-0.16	-0.15
611	-0.19	-0.14	-0.14	-0.14	-0.14
612	-0.17	-0.13	-0.13	-0.13	-0.12
613	-0.15	-0.11	-0.11	-0.12	-0.11
614	-0.14	-0.11	-0.11	-0.11	-0.11
615	-0.13	-0.10	-0.10	-0.10	-0.10
616	-0.13	-0.10	-0.10	-0.10	-0.10
617	-0.13	-0.10	-0.10	-0.10	-0.10
618	-0.14	-0.11	-0.11	-0.11	-0.11



619	-0.16	-0.12	-0.12	-0.12	-0.12
620	-0.18	-0.13	-0.14	-0.14	-0.13
621	-0.20	-0.15	-0.15	-0.16	-0.15
622	-0.23	-0.17	-0.17	-0.17	-0.16
623	-0.23	-0.17	-0.17	-0.17	-0.17
624	-0.22	-0.16	-0.16	-0.16	-0.16
625	-0.19	-0.14	-0.14	-0.15	-0.14
626	-0.17	-0.13	-0.13	-0.13	-0.13
627	-0.15	-0.11	-0.12	-0.12	-0.11
628	-0.14	-0.11	-0.11	-0.11	-0.11
629	-0.13	-0.10	-0.10	-0.10	-0.10
630	-0.13	-0.10	-0.10	-0.10	-0.10
631	-0.13	-0.10	-0.10	-0.10	-0.10
632	-0.15	-0.11	-0.11	-0.11	-0.11
633	-0.16	-0.12	-0.12	-0.12	-0.12
634	-0.18	-0.13	-0.14	-0.14	-0.13
635	-0.21	-0.15	-0.15	-0.16	-0.15
636	-0.23	-0.17	-0.17	-0.17	-0.17
637	-0.24	-0.17	-0.18	-0.18	-0.17
638	-0.22	-0.16	-0.17	-0.17	-0.16
639	-0.20	-0.14	-0.15	-0.15	-0.14
640	-0.17	-0.13	-0.13	-0.13	-0.13
641	-0.15	-0.12	-0.12	-0.12	-0.12
642	-0.14	-0.11	-0.11	-0.11	-0.11
643	-0.13	-0.10	-0.10	-0.10	-0.10
644	-0.13	-0.10	-0.10	-0.10	-0.10
645	-0.14	-0.11	-0.11	-0.11	-0.10
646	-0.15	-0.11	-0.11	-0.11	-0.11
647	-0.16	-0.12	-0.12	-0.13	-0.12
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649	-0.21	-0.16	-0.16	-0.16	-0.15
650	-0.24	-0.17	-0.18	-0.18	-0.17
651	-0.25	-0.18	-0.19	-0.19	-0.18
652	-0.23	-0.17	-0.17	-0.18	-0.17
653	-0.20	-0.15	-0.15	-0.16	-0.15
654	-0.18	-0.13	-0.13	-0.14	-0.13
655	-0.16	-0.12	-0.12	-0.12	-0.12
656	-0.14	-0.11	-0.11	-0.11	-0.11
657	-0.14	-0.10	-0.10	-0.10	-0.10
658	-0.13	-0.10	-0.10	-0.10	-0.10
659	-0.14	-0.11	-0.11	-0.11	-0.11
660	-0.15	-0.11	-0.12	-0.12	-0.11
661	-0.17	-0.13	-0.13	-0.13	-0.13
662	-0.19	-0.14	-0.15	-0.15	-0.14
663	-0.22	-0.16	-0.17	-0.17	-0.16
664	-0.25	-0.18	-0.19	-0.19	-0.18
665	-0.27	-0.20	-0.20	-0.20	-0.19
666	-0.25	-0.18	-0.18	-0.19	-0.18
667	-0.21	-0.16	-0.16	-0.16	-0.15
668	-0.19	-0.14	-0.14	-0.14	-0.14
669	-0.16	-0.12	-0.12	-0.12	-0.12
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672	-0.14	-0.11	-0.11	-0.11	-0.10
673	-0.14	-0.11	-0.11	-0.11	-0.11
674	-0.16	-0.12	-0.12	-0.12	-0.12
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676	-0.20	-0.15	-0.15	-0.15	-0.15
677	-0.23	-0.17	-0.17	-0.18	-0.17
678	-0.27	-0.20	-0.20	-0.20	-0.19
679	-0.29	-0.21	-0.21	-0.22	-0.20
680	-0.26	-0.19	-0.19	-0.20	-0.19
681	-0.22	-0.16	-0.17	-0.17	-0.16
682	-0.19	-0.14	-0.14	-0.15	-0.14
683	-0.17	-0.13	-0.13	-0.13	-0.12
684	-0.15	-0.11	-0.11	-0.12	-0.11
685	-0.14	-0.11	-0.11	-0.11	-0.11
686	-0.14	-0.11	-0.11	-0.11	-0.11
687	-0.15	-0.11	-0.11	-0.11	-0.11
688	-0.16	-0.12	-0.12	-0.12	-0.12
689	-0.18	-0.13	-0.14	-0.14	-0.13
690	-0.21	-0.15	-0.16	-0.16	-0.15
691	-0.25	-0.18	-0.18	-0.18	-0.18
692	-0.29	-0.21	-0.21	-0.22	-0.20
693	-0.26	-0.18	-0.19	-0.20	-0.18
694	-0.27	-0.20	-0.20	-0.21	-0.19



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695	-0.23	-0.17	-0.17	-0.18	-0.17
696	-0.20	-0.14	-0.15	-0.15	-0.14
697	-0.17	-0.13	-0.13	-0.13	-0.13
698	-0.15	-0.12	-0.12	-0.12	-0.12
699	-0.14	-0.11	-0.11	-0.11	-0.11
700	-0.14	-0.11	-0.11	-0.11	-0.11
701	-0.15	-0.11	-0.11	-0.11	-0.11
702	-0.16	-0.12	-0.12	-0.12	-0.12
703	-0.19	-0.14	-0.14	-0.14	-0.14
704	-0.22	-0.16	-0.16	-0.16	-0.16
705	-0.26	-0.18	-0.19	-0.19	-0.18
706	-0.30	-0.21	-0.22	-0.23	-0.21
707	-0.27	-0.20	-0.20	-0.21	-0.19
708	-0.23	-0.17	-0.17	-0.18	-0.17
709	-0.20	-0.14	-0.15	-0.15	-0.14
710	-0.17	-0.13	-0.13	-0.13	-0.13
711	-0.15	-0.12	-0.12	-0.12	-0.12
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713	-0.14	-0.11	-0.11	-0.11	-0.11
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716	-0.19	-0.14	-0.14	-0.14	-0.14
717	-0.22	-0.16	-0.16	-0.16	-0.16
718	-0.26	-0.18	-0.19	-0.19	-0.18
719	-0.30	-0.21	-0.22	-0.23	-0.21
720	-0.27	-0.20	-0.20	-0.21	-0.19
721	-0.23	-0.17	-0.17	-0.18	-0.17
722	-0.20	-0.14	-0.15	-0.15	-0.14
723	-0.17	-0.13	-0.13	-0.13	-0.13
724	-0.15	-0.12	-0.12	-0.12	-0.12
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726	-0.14	-0.11	-0.11	-0.11	-0.11
727	-0.15	-0.11	-0.11	-0.11	-0.11
728	-0.16	-0.12	-0.12	-0.13	-0.12
729	-0.19	-0.14	-0.14	-0.14	-0.14
730	-0.22	-0.16	-0.16	-0.17	-0.16
731	-0.26	-0.18	-0.19	-0.19	-0.18
732	-0.30	-0.21	-0.22	-0.23	-0.21
733	-0.29	-0.21	-0.21	-0.22	-0.20
734	-0.27	-0.19	-0.20	-0.20	-0.19
735	-0.23	-0.17	-0.17	-0.17	-0.16
736	-0.20	-0.14	-0.15	-0.15	-0.14
737	-0.17	-0.13	-0.13	-0.13	-0.13
738	-0.15	-0.12	-0.12	-0.12	-0.12
739	-0.14	-0.11	-0.11	-0.11	-0.11
740	-0.14	-0.11	-0.11	-0.11	-0.11
741	-0.15	-0.11	-0.11	-0.11	-0.11
742	-0.16	-0.12	-0.12	-0.12	-0.12
743	-0.18	-0.14	-0.14	-0.14	-0.14
744	-0.21	-0.16	-0.16	-0.16	-0.15
745	-0.25	-0.18	-0.18	-0.19	-0.18
746	-0.29	-0.21	-0.21	-0.22	-0.20
747	-0.28	-0.20	-0.21	-0.21	-0.20
748	-0.26	-0.19	-0.19	-0.19	-0.18
749	-0.22	-0.16	-0.16	-0.17	-0.16
750	-0.19	-0.14	-0.14	-0.15	-0.14
751	-0.17	-0.13	-0.13	-0.13	-0.13
752	-0.15	-0.12	-0.12	-0.12	-0.11
753	-0.14	-0.11	-0.11	-0.11	-0.11
754	-0.14	-0.11	-0.11	-0.11	-0.11
755	-0.15	-0.11	-0.11	-0.11	-0.11
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757	-0.18	-0.14	-0.14	-0.14	-0.13
758	-0.21	-0.15	-0.16	-0.16	-0.15
759	-0.24	-0.18	-0.18	-0.18	-0.17
760	-0.28	-0.20	-0.21	-0.21	-0.20
761	-0.27	-0.20	-0.20	-0.20	-0.19
762	-0.25	-0.18	-0.19	-0.19	-0.18
763	-0.22	-0.16	-0.16	-0.17	-0.16
764	-0.19	-0.14	-0.14	-0.14	-0.14
765	-0.17	-0.12	-0.13	-0.13	-0.12
766	-0.15	-0.11	-0.11	-0.12	-0.11
767	-0.14	-0.11	-0.11	-0.11	-0.11
768	-0.14	-0.11	-0.11	-0.11	-0.11
769	-0.15	-0.11	-0.11	-0.11	-0.11
770	-0.16	-0.12	-0.12	-0.12	-0.12



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771	-0.18	-0.13	-0.13	-0.14	-0.13
772	-0.21	-0.15	-0.15	-0.16	-0.15
773	-0.24	-0.17	-0.18	-0.18	-0.17
774	-0.27	-0.20	-0.20	-0.20	-0.19
775	-0.27	-0.19	-0.20	-0.20	-0.19
776	-0.25	-0.18	-0.18	-0.19	-0.18
777	-0.21	-0.16	-0.16	-0.16	-0.16
778	-0.19	-0.14	-0.14	-0.14	-0.14
779	-0.17	-0.12	-0.13	-0.13	-0.12
780	-0.15	-0.11	-0.11	-0.11	-0.11
781	-0.14	-0.11	-0.11	-0.11	-0.11
782	-0.14	-0.11	-0.11	-0.11	-0.11
783	-0.15	-0.11	-0.11	-0.11	-0.11
784	-0.16	-0.12	-0.12	-0.12	-0.12
785	-0.18	-0.13	-0.13	-0.14	-0.13
786	-0.20	-0.15	-0.15	-0.15	-0.15
787	-0.23	-0.17	-0.17	-0.18	-0.17
788	-0.27	-0.19	-0.20	-0.20	-0.19
789	-0.27	-0.19	-0.20	-0.20	-0.19
790	-0.25	-0.18	-0.18	-0.19	-0.18
791	-0.21	-0.16	-0.16	-0.16	-0.16
792	-0.19	-0.14	-0.14	-0.14	-0.14
793	-0.16	-0.12	-0.12	-0.13	-0.12
794	-0.15	-0.11	-0.11	-0.11	-0.11
795	-0.14	-0.11	-0.11	-0.11	-0.11
796	-0.14	-0.11	-0.11	-0.11	-0.11
797	-0.14	-0.11	-0.11	-0.11	-0.11
798	-0.16	-0.12	-0.12	-0.12	-0.12
799	-0.18	-0.13	-0.13	-0.14	-0.13
800	-0.20	-0.15	-0.15	-0.15	-0.15
801	-0.23	-0.17	-0.17	-0.18	-0.17
802	-0.27	-0.19	-0.20	-0.20	-0.19
803	-0.27	-0.20	-0.20	-0.21	-0.19
804	-0.25	-0.18	-0.19	-0.19	-0.18
805	-0.22	-0.16	-0.16	-0.16	-0.16
806	-0.19	-0.14	-0.14	-0.14	-0.14
807	-0.17	-0.12	-0.13	-0.13	-0.12
808	-0.15	-0.11	-0.11	-0.11	-0.11
809	-0.14	-0.11	-0.11	-0.11	-0.11
810	-0.14	-0.11	-0.11	-0.11	-0.11
811	-0.15	-0.11	-0.11	-0.11	-0.11
812	-0.16	-0.12	-0.12	-0.12	-0.12
813	-0.18	-0.13	-0.13	-0.14	-0.13
814	-0.20	-0.15	-0.15	-0.16	-0.15
815	-0.24	-0.17	-0.18	-0.18	-0.17
816	-0.27	-0.20	-0.20	-0.21	-0.19
817	-0.28	-0.20	-0.21	-0.21	-0.20
818	-0.26	-0.19	-0.19	-0.19	-0.18
819	-0.22	-0.16	-0.16	-0.17	-0.16
820	-0.19	-0.14	-0.14	-0.15	-0.14
821	-0.17	-0.13	-0.13	-0.13	-0.12
822	-0.15	-0.11	-0.11	-0.12	-0.11
823	-0.14	-0.11	-0.11	-0.11	-0.11
824	-0.14	-0.11	-0.11	-0.11	-0.11
825	-0.15	-0.11	-0.11	-0.11	-0.11
826	-0.16	-0.12	-0.12	-0.12	-0.12
827	-0.18	-0.13	-0.14	-0.14	-0.13
828	-0.21	-0.15	-0.15	-0.16	-0.15
829	-0.24	-0.18	-0.18	-0.18	-0.17
830	-0.28	-0.20	-0.21	-0.21	-0.20
831	-0.26	-0.19	-0.19	-0.20	-0.18
832	-0.22	-0.16	-0.17	-0.17	-0.16
833	-0.19	-0.14	-0.14	-0.15	-0.14
834	-0.17	-0.13	-0.13	-0.13	-0.13
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836	-0.14	-0.11	-0.11	-0.11	-0.11
837	-0.14	-0.11	-0.11	-0.11	-0.11
838	-0.15	-0.11	-0.11	-0.11	-0.11
839	-0.16	-0.12	-0.12	-0.12	-0.12
840	-0.18	-0.13	-0.14	-0.14	-0.13
841	-0.21	-0.15	-0.16	-0.16	-0.15
842	-0.24	-0.18	-0.18	-0.18	-0.17
843	-0.28	-0.21	-0.21	-0.22	-0.20
844	-0.26	-0.19	-0.19	-0.20	-0.19
845	-0.22	-0.16	-0.17	-0.17	-0.16
846	-0.19	-0.14	-0.14	-0.15	-0.14



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847	-0.17	-0.13	-0.13	-0.13	-0.13
848	-0.15	-0.12	-0.12	-0.12	-0.11
849	-0.14	-0.11	-0.11	-0.11	-0.11
850	-0.14	-0.11	-0.11	-0.11	-0.11
851	-0.15	-0.11	-0.11	-0.11	-0.11
852	-0.16	-0.12	-0.12	-0.12	-0.12
853	-0.18	-0.14	-0.14	-0.14	-0.13
854	-0.21	-0.15	-0.16	-0.16	-0.15
855	-0.24	-0.18	-0.18	-0.19	-0.18
856	-0.28	-0.21	-0.21	-0.22	-0.20
857	-0.28	-0.21	-0.21	-0.22	-0.20
858	-0.26	-0.19	-0.19	-0.20	-0.19
859	-0.22	-0.16	-0.17	-0.17	-0.16
860	-0.19	-0.14	-0.14	-0.15	-0.14
861	-0.17	-0.13	-0.13	-0.13	-0.13
862	-0.15	-0.12	-0.12	-0.12	-0.12
863	-0.14	-0.11	-0.11	-0.11	-0.11
864	-0.14	-0.11	-0.11	-0.11	-0.11
865	-0.15	-0.11	-0.11	-0.11	-0.11
866	-0.16	-0.12	-0.12	-0.12	-0.12
867	-0.18	-0.14	-0.14	-0.14	-0.14
868	-0.21	-0.16	-0.16	-0.16	-0.15
869	-0.25	-0.18	-0.18	-0.19	-0.18
870	-0.28	-0.21	-0.21	-0.21	-0.20
871	-0.28	-0.21	-0.21	-0.22	-0.20
872	-0.26	-0.19	-0.19	-0.20	-0.19
873	-0.23	-0.17	-0.17	-0.17	-0.16
874	-0.20	-0.14	-0.15	-0.15	-0.14
875	-0.17	-0.13	-0.13	-0.13	-0.13
876	-0.15	-0.12	-0.12	-0.12	-0.12
877	-0.14	-0.11	-0.11	-0.11	-0.11
878	-0.14	-0.11	-0.11	-0.11	-0.11
879	-0.15	-0.11	-0.11	-0.11	-0.11
880	-0.16	-0.12	-0.12	-0.13	-0.12
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882	-0.21	-0.16	-0.16	-0.16	-0.16
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886	-0.27	-0.19	-0.20	-0.20	-0.19
887	-0.23	-0.17	-0.17	-0.17	-0.16
888	-0.20	-0.15	-0.15	-0.15	-0.14
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890	-0.16	-0.12	-0.12	-0.12	-0.12
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892	-0.14	-0.11	-0.11	-0.11	-0.11
893	-0.15	-0.11	-0.11	-0.12	-0.11
894	-0.16	-0.12	-0.12	-0.13	-0.12
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897	-0.25	-0.18	-0.18	-0.19	-0.18
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899	-0.29	-0.21	-0.22	-0.22	-0.21
900	-0.27	-0.19	-0.20	-0.20	-0.19
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902	-0.20	-0.15	-0.15	-0.15	-0.15
903	-0.17	-0.13	-0.13	-0.13	-0.13
904	-0.16	-0.12	-0.12	-0.12	-0.12
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912	-0.33	-0.24	-0.25	-0.25	-0.23
913	-0.34	-0.24	-0.25	-0.26	-0.24
914	-0.34	-0.25	-0.25	-0.26	-0.24
915	-0.32	-0.23	-0.24	-0.24	-0.22
916	-0.34	-0.24	-0.25	-0.26	-0.24
917	-0.31	-0.23	-0.23	-0.23	-0.22
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919	-0.26	-0.19	-0.20	-0.20	-0.19
920	-0.25	-0.19	-0.19	-0.19	-0.18
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922	-0.26	-0.19	-0.19	-0.19	-0.18



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1168	-0.14	-0.10	-0.11	-0.10	-0.10
1169	-0.14	-0.11	-0.11	-0.11	-0.11
1170	-0.15	-0.12	-0.12	-0.12	-0.11
1171	-0.17	-0.13	-0.13	-0.13	-0.13
1172	-0.19	-0.14	-0.14	-0.14	-0.14
1173	-0.21	-0.16	-0.16	-0.16	-0.16
1174	-0.27	-0.20	-0.20	-0.20	-0.19
1175	-0.29	-0.21	-0.22	-0.22	-0.20
1176	-0.25	-0.19	-0.19	-0.19	-0.18
1177	-0.25	-0.19	-0.19	-0.19	-0.18
1178	-0.24	-0.18	-0.18	-0.18	-0.17
1179	-0.21	-0.15	-0.16	-0.16	-0.15
1180	-0.18	-0.14	-0.14	-0.14	-0.14
1181	-0.16	-0.12	-0.13	-0.12	-0.12
1182	-0.15	-0.11	-0.12	-0.11	-0.11
1183	-0.14	-0.11	-0.11	-0.11	-0.11
1184	-0.14	-0.11	-0.11	-0.11	-0.11
1185	-0.14	-0.11	-0.11	-0.11	-0.11
1186	-0.16	-0.12	-0.12	-0.12	-0.12
1187	-0.17	-0.13	-0.13	-0.13	-0.13
1188	-0.20	-0.15	-0.15	-0.15	-0.15
1189	-0.22	-0.17	-0.17	-0.17	-0.16
1190	-0.29	-0.21	-0.22	-0.22	-0.20
1191	-0.31	-0.23	-0.23	-0.23	-0.22
1192	-0.27	-0.20	-0.21	-0.21	-0.19
1193	-0.27	-0.20	-0.21	-0.21	-0.19
1194	-0.25	-0.19	-0.19	-0.19	-0.18
1195	-0.22	-0.16	-0.17	-0.17	-0.16
1196	-0.19	-0.15	-0.15	-0.15	-0.14
1197	-0.17	-0.13	-0.13	-0.13	-0.13
1198	-0.15	-0.12	-0.12	-0.12	-0.12
1199	-0.15	-0.11	-0.12	-0.11	-0.11
1200	-0.14	-0.11	-0.11	-0.11	-0.11
1201	-0.15	-0.12	-0.12	-0.12	-0.11
1202	-0.16	-0.13	-0.13	-0.12	-0.12
1203	-0.18	-0.14	-0.14	-0.14	-0.14
1204	-0.21	-0.16	-0.16	-0.16	-0.15
1205	-0.24	-0.18	-0.18	-0.18	-0.17
1206	-0.31	-0.23	-0.23	-0.23	-0.22
1207	-0.33	-0.24	-0.25	-0.25	-0.23
1208	-0.29	-0.22	-0.23	-0.22	-0.21
1209	-0.29	-0.22	-0.23	-0.22	-0.21
1210	-0.27	-0.20	-0.21	-0.20	-0.19
1211	-0.23	-0.18	-0.18	-0.18	-0.17
1212	-0.20	-0.15	-0.16	-0.15	-0.15
1213	-0.18	-0.14	-0.14	-0.14	-0.13
1214	-0.16	-0.13	-0.13	-0.12	-0.12
1215	-0.15	-0.12	-0.12	-0.12	-0.12
1216	-0.15	-0.12	-0.12	-0.11	-0.11
1217	-0.16	-0.12	-0.13	-0.12	-0.12
1218	-0.17	-0.13	-0.14	-0.13	-0.13
1219	-0.19	-0.15	-0.15	-0.15	-0.14
1220	-0.22	-0.17	-0.17	-0.17	-0.16
1221	-0.25	-0.19	-0.20	-0.19	-0.18
1222	-0.33	-0.24	-0.25	-0.25	-0.23
1223	-0.34	-0.26	-0.27	-0.26	-0.24
1224	-0.31	-0.23	-0.24	-0.23	-0.22
1225	-0.31	-0.23	-0.24	-0.23	-0.22
1226	-0.28	-0.22	-0.22	-0.21	-0.20
1227	-0.24	-0.19	-0.20	-0.19	-0.18
1228	-0.21	-0.16	-0.17	-0.16	-0.15
1229	-0.18	-0.14	-0.15	-0.14	-0.14
1230	-0.17	-0.13	-0.13	-0.13	-0.13
1231	-0.16	-0.12	-0.13	-0.12	-0.12
1232	-0.15	-0.12	-0.13	-0.12	-0.12
1233	-0.16	-0.13	-0.13	-0.12	-0.12
1234	-0.18	-0.14	-0.14	-0.13	-0.13



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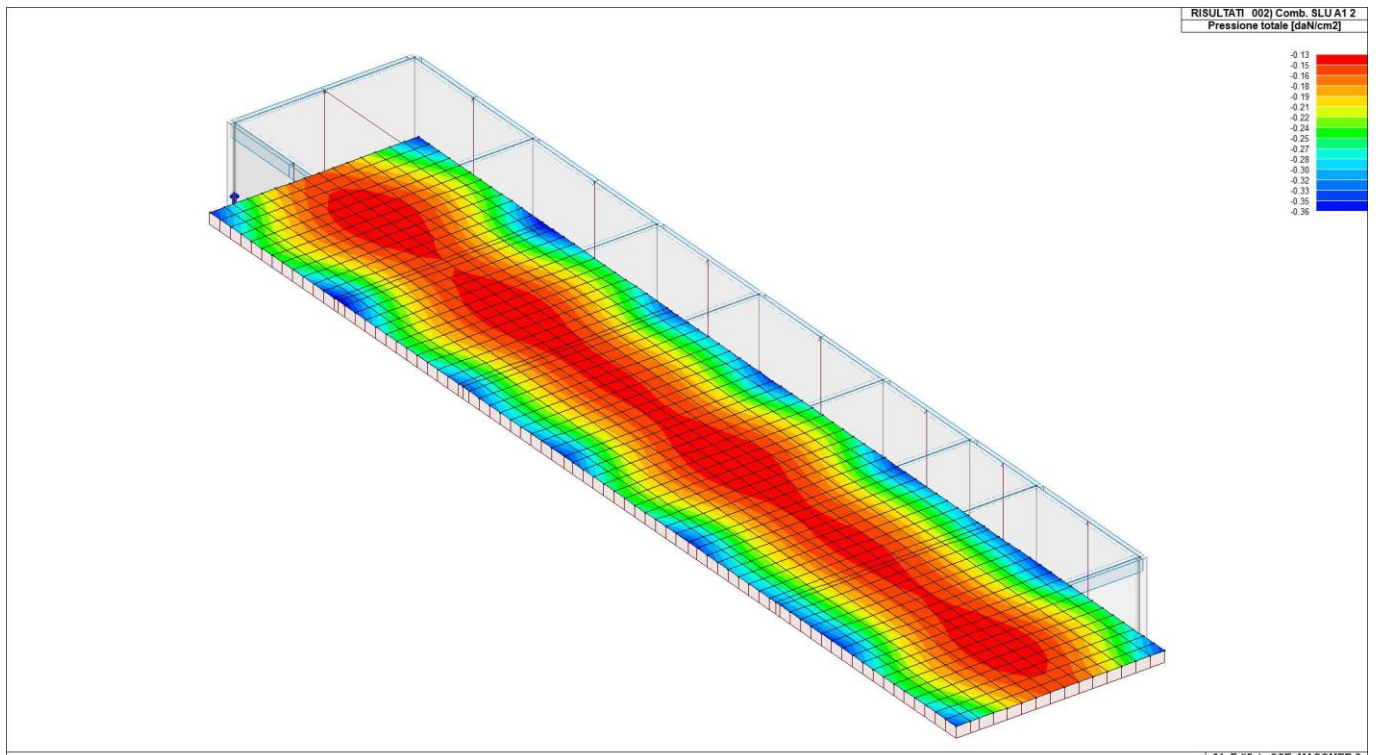
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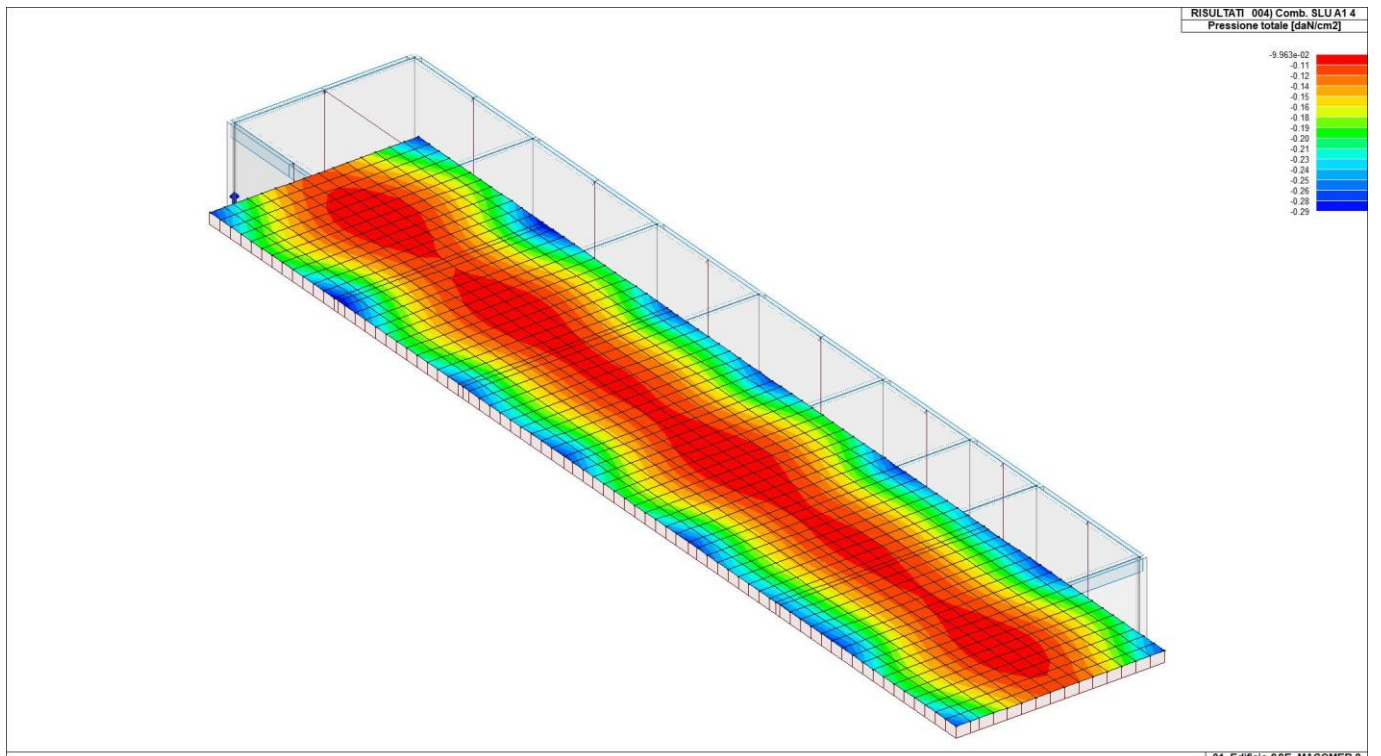
1235	-0.20	-0.16	-0.16	-0.15	-0.15
1236	-0.23	-0.18	-0.18	-0.17	-0.17
1237	-0.27	-0.20	-0.21	-0.20	-0.19
1238	-0.34	-0.26	-0.27	-0.26	-0.24

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
	-0.36			
	-0.10			

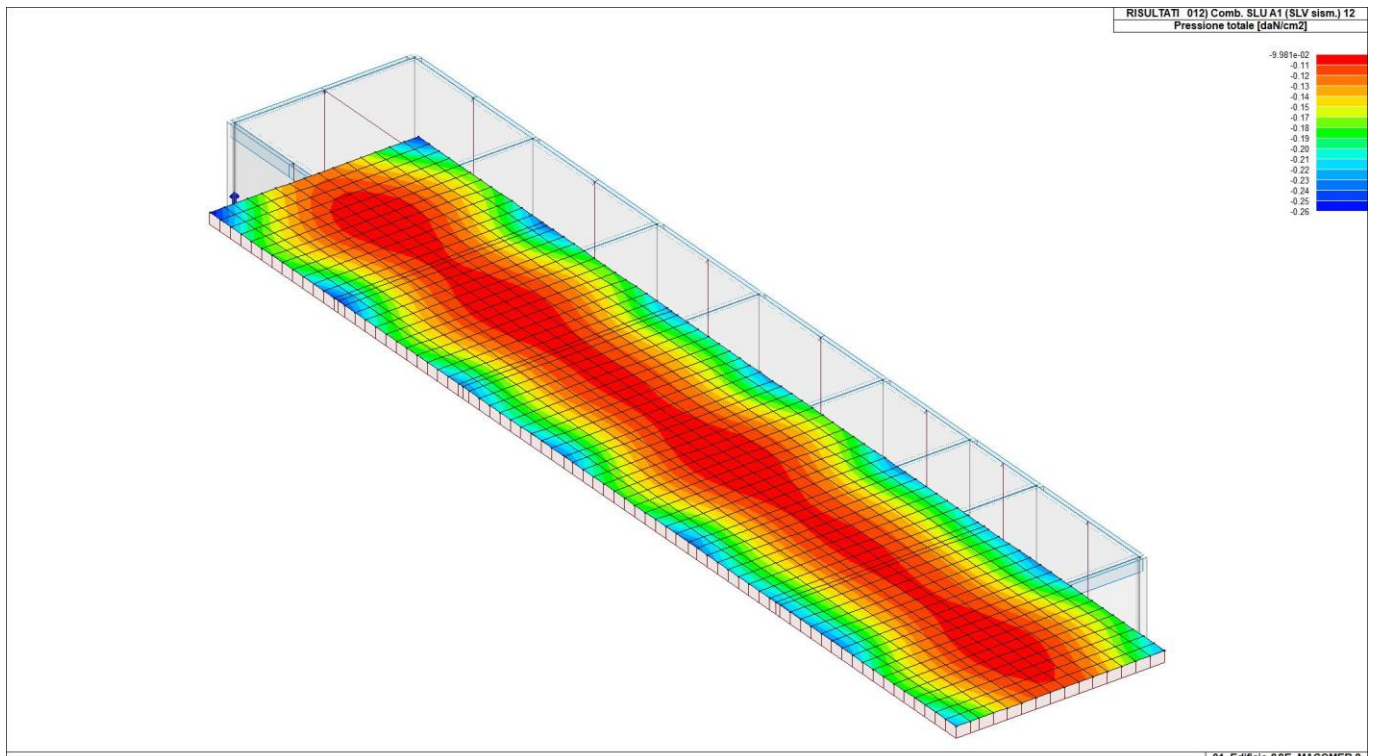


01_Edificio SSE_MACOMER 2

46_RIS_PRESSIONI_002_Comb. SLU A1 2

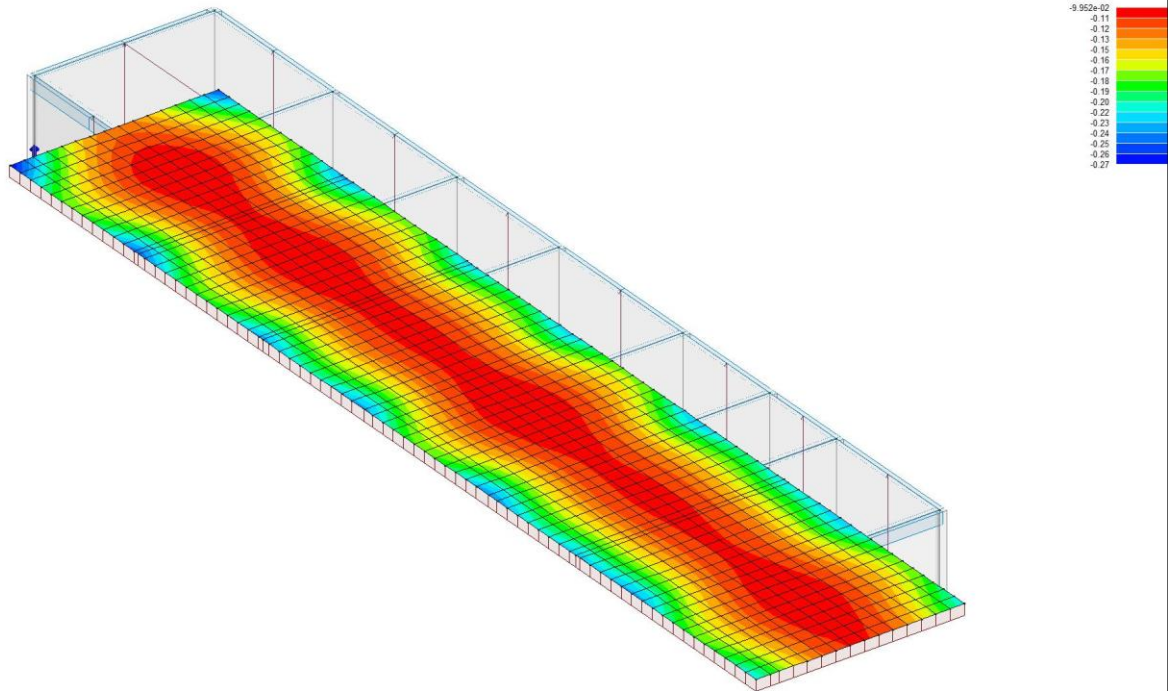


46_RIS_PRESSIONI_004_Comb. SLU A1 4



46_RIS_PRESSIONI_012_Comb. SLU A1 (SLV sism.) 12

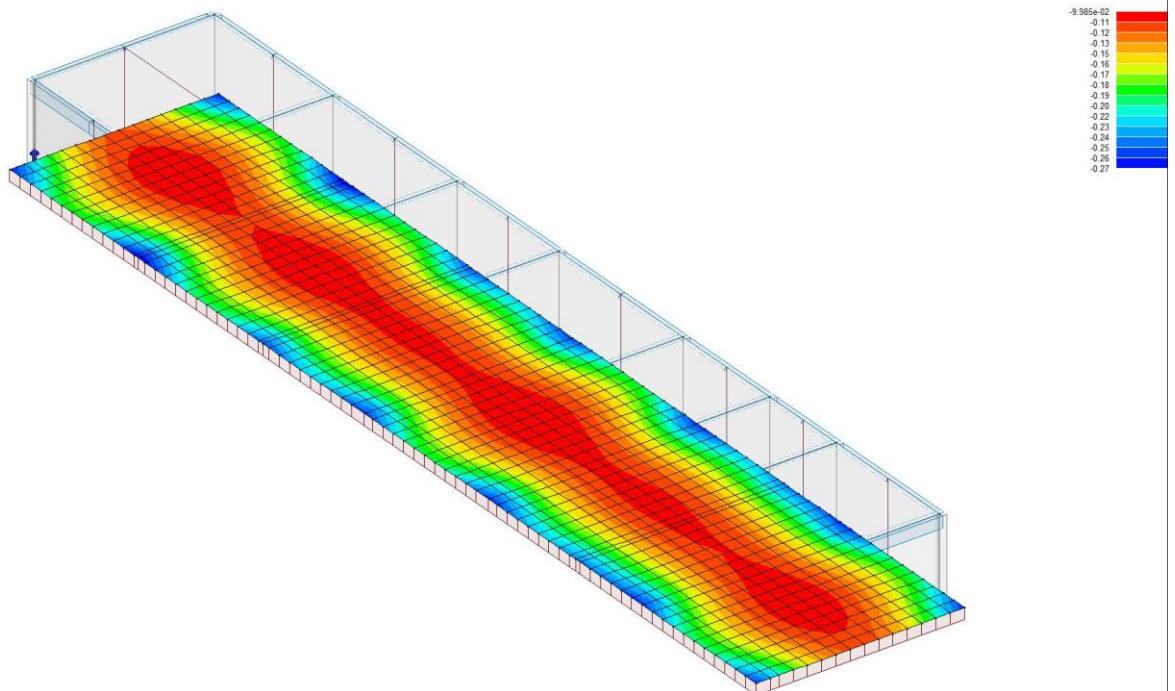
RISULTATI 044) Comb. SLE (SLD Danno sism.) 44
Pressione totale [daN/cm²]



01_Edificio SSE_MACOMER 2

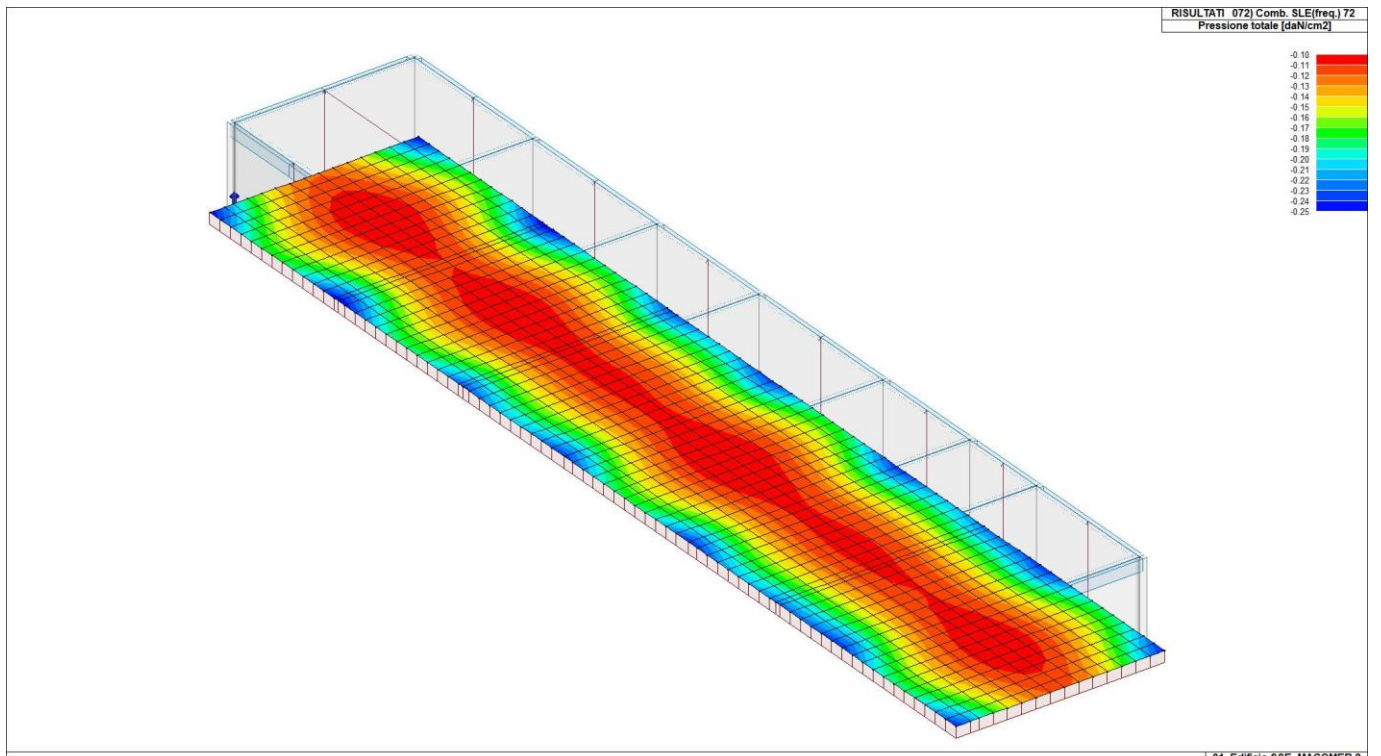
46_RIS_PRESSIONI_044_Comb. SLE (SLD Danno sism.) 44

RISULTATI 070) Comb. SLE(rara) 70
Pressione totale [daN/cm²]



01_Edificio SSE_MACOMER 2

46_RIS_PRESSIONI_070_Comb. SLE(rara) 70



46_RIS_PRESSIONI_072_Comb. SLE(freq.) 72

RISULTATI ELEMENTI TIPO TRAVE

15.2. LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

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

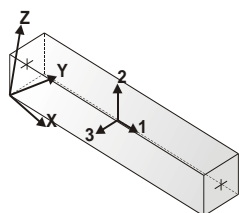
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



orientamento elementi 2D
non verticali



orientamento elementi 2D
verticali



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Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1.486e+04	1	2-1.486e+04	8.844e+04	9.64e-03	0.0	0.0	-6689.83	-81.99	-1481.08	-86.34	8.844e+04	-
3.945e+04	1	-3.945e+04	-3.559e+05	0.05	0.0	300.0	-5812.33	-81.99	-1481.08	-86.34	-3.559e+05	-
2.982e+04	1	3 -8552.78	5.113e+04	6.78e-03	0.0	0.0	-4356.96	-70.88	-881.28	-58.45	5.113e+04	-8552.78
8.609e+04	1	-2.982e+04	-2.133e+05	0.03	0.0	300.0	-3681.96	-70.88	-881.28	-58.45	-2.133e+05	-
7.659e+04	1	8 5.943e+04	5.343e+04	0.06	0.0	0.0	-4557.13	-482.48	-897.85	1757.69	5.343e+04	5.943e+04
8.596e+04	1	-8.609e+04	-2.158e+05	0.03	0.0	300.0	-3882.13	-482.48	-897.85	1757.69	-2.158e+05	-
3.068e+04	1	9 2.586e+04	4.105e+04	-0.07	0.0	0.0	-4150.12	341.60	-820.15	-1335.19	4.105e+04	-
8.543e+04	1	-7.659e+04	-2.051e+05	-0.03	0.0	300.0	-3475.12	341.60	-820.15	-1335.19	-2.051e+05	2.586e+04
1.193e+05	1	11 6.024e+04	3.050e+04	0.06	0.0	0.0	-4493.64	-487.23	-759.39	3680.64	3.050e+04	6.024e+04
1.167e+05	1	-8.596e+04	-1.972e+05	-0.04	0.0	300.0	-3818.64	-487.23	-759.39	3680.64	-1.972e+05	-
1.191e+05	1	12 5.933e+04	6.131e+04	0.06	0.0	0.0	-4573.63	-482.60	-945.21	1218.39	6.131e+04	5.933e+04
4.368e+04	1	-8.543e+04	-2.221e+05	0.04	0.0	300.0	-3898.63	-482.60	-945.21	1218.39	-2.221e+05	-
3.030e+04	1	30 -1.212e+04	1.041e+05	-0.03	0.0	0.0	-4443.68	61.53	-1201.50	-4914.51	1.041e+05	-
2.978e+04	1	-3.068e+04	-2.564e+05	0.06	0.0	300.0	-3768.68	61.53	-1201.50	-4914.51	-2.564e+05	-
1.100e+04	1	40 9.964e+04	5.418e+04	0.10	0.0	0.0	-4670.90	-725.81	-903.59	2716.96	5.418e+04	9.964e+04
3.976e+04	2	-1.193e+05	-2.167e+05	0.03	0.0	300.0	-3995.90	-725.81	-903.59	2716.96	-2.167e+05	-
3.018e+04	2	41 5.868e+04	3.501e+04	-0.11	0.0	0.0	-4026.20	584.69	-782.46	-1962.37	3.501e+04	-
8.619e+04	2	-1.167e+05	-1.999e+05	-0.04	0.0	300.0	-3351.20	584.69	-782.46	-1962.37	-1.999e+05	5.868e+04
7.621e+04	2	43 1.009e+05	1.845e+04	0.10	0.0	0.0	-4570.40	-733.03	-687.98	5759.12	1.845e+04	1.009e+05
8.608e+04	2	-1.191e+05	-1.878e+05	-0.05	0.0	300.0	-3895.40	-733.03	-687.98	5759.12	-1.878e+05	-
3.018e+04	2	44 9.942e+04	6.734e+04	0.10	0.0	0.0	-4697.56	-725.70	-982.90	1845.57	6.734e+04	9.942e+04
8.553e+04	2	-1.182e+05	-2.274e+05	0.04	0.0	300.0	-4022.56	-725.70	-982.90	1845.57	-2.274e+05	-
3.018e+04	2	62 -1714.91	1.352e+05	-0.04	0.0	0.0	-4492.18	139.38	-1388.39	-7739.21	1.352e+05	-
8.619e+04	2	-4.368e+04	-2.814e+05	0.08	0.0	300.0	-3817.18	139.38	-1388.39	-7739.21	-2.814e+05	-1714.91
3.018e+04	2	69 -8631.01	5.118e+04	6.79e-03	0.0	0.0	-4361.88	-70.50	-882.68	-58.40	5.118e+04	-8631.01
3.018e+04	2	-2.978e+04	-2.136e+05	0.03	0.0	300.0	-3686.88	-70.50	-882.68	-58.40	-2.136e+05	-
3.018e+04	2	70 -1.100e+04	6.575e+04	7.33e-03	0.0	0.0	-5038.20	-64.31	-1104.14	-65.38	6.575e+04	-
3.018e+04	2	-3.030e+04	-2.655e+05	0.04	0.0	300.0	-4363.20	-64.31	-1104.14	-65.38	-2.655e+05	-
3.018e+04	2	71 -8631.01	5.118e+04	6.79e-03	0.0	0.0	-4361.88	-70.50	-882.68	-58.40	5.118e+04	-8631.01
3.018e+04	2	-2.978e+04	-2.136e+05	0.03	0.0	300.0	-3686.88	-70.50	-882.68	-58.40	-2.136e+05	-
3.018e+04	2	72 -9105.52	5.409e+04	6.90e-03	0.0	0.0	-4497.14	-69.26	-926.97	-59.79	5.409e+04	-9105.52
3.018e+04	2	-2.988e+04	-2.240e+05	0.03	0.0	300.0	-3822.14	-69.26	-926.97	-59.79	-2.240e+05	-
3.018e+04	2	2 -1.409e+04	3.558e+05	9.57e-03	0.0	0.0	-6690.01	-85.58	1481.62	7.90	-8.867e+04	-
3.018e+04	2	-3.976e+04	-8.867e+04	-0.05	0.0	300.0	-5812.51	-85.58	1481.62	7.90	3.558e+05	-
3.018e+04	2	3 -8050.80	2.132e+05	6.73e-03	0.0	0.0	-4357.08	-73.21	881.61	7.19	-5.127e+04	-8050.80
3.018e+04	2	-3.001e+04	-5.127e+04	-0.03	0.0	300.0	-3682.08	-73.21	881.61	7.19	2.132e+05	-
3.018e+04	2	15 6.005e+04	2.158e+05	0.06	0.0	0.0	-4556.93	-484.92	898.43	-1851.28	-5.363e+04	6.005e+04
3.018e+04	2	-8.619e+04	-5.363e+04	-0.03	0.0	300.0	-3881.93	-484.92	898.43	-1851.28	2.158e+05	-
3.018e+04	2	18 2.557e+04	2.050e+05	-0.07	0.0	0.0	-4150.57	339.36	820.13	1322.25	-4.111e+04	-
3.018e+04	2	-7.621e+04	-4.111e+04	0.03	0.0	300.0	-3475.57	339.36	820.13	1322.25	2.050e+05	2.557e+04
3.018e+04	2	19 5.995e+04	2.221e+05	0.06	0.0	0.0	-4573.42	-485.03	945.90	-1307.85	-6.152e+04	5.995e+04
3.018e+04	2	-8.553e+04	-6.152e+04	-0.04	0.0	300.0	-3898.42	-485.03	945.90	-1307.85	2.221e+05	-
3.018e+04	2	20 6.084e+04	1.972e+05	0.06	0.0	0.0	-4493.28	-489.61	759.71	-3765.92	-3.064e+04	6.084e+04
3.018e+04	2	-8.608e+04	-3.064e+04	0.04	0.0	300.0	-3818.28	-489.61	759.71	-3765.92	1.972e+05	-
3.018e+04	2	33 -1.233e+04	2.564e+05	-0.03	0.0	0.0	-4444.16	59.16	1202.40	4867.21	-1.044e+05	-



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1.233e+04		-3.018e+04	-1.044e+05	-0.06	0.0	300.0	-3769.16	59.16	1202.40	4867.21	2.564e+05	-
2	47	1.003e+05	2.167e+05	0.10	0.0	0.0	-4670.56	-728.29	904.25	-2837.88	-5.441e+04	1.003e+05
		-1.193e+05	-5.441e+04	-0.03	0.0	300.0	-3995.56	-728.29	904.25	-2837.88	2.167e+05	-
1.193e+05												
2	50	5.834e+04	1.998e+05	-0.11	0.0	0.0	-4026.83	582.50	782.28	1975.11	-3.504e+04	-
1.164e+05												
		-1.164e+05	-3.504e+04	0.04	0.0	300.0	-3351.83	582.50	782.28	1975.11	1.998e+05	5.834e+04
2	51	1.001e+05	2.274e+05	0.10	0.0	0.0	-4697.16	-728.17	983.75	-1960.71	-6.760e+04	1.001e+05
		-1.183e+05	-6.760e+04	-0.04	0.0	300.0	-4022.16	-728.17	983.75	-1960.71	2.274e+05	-
1.183e+05												
2	52	1.015e+05	1.877e+05	0.10	0.0	0.0	-4569.78	-735.45	688.23	-5867.51	-1.858e+04	1.015e+05
		-1.192e+05	-1.858e+04	0.05	0.0	300.0	-3894.78	-735.45	688.23	-5867.51	1.877e+05	-
1.192e+05												
2	65	-1921.89	2.815e+05	-0.04	0.0	0.0	-4492.86	136.99	1389.65	7694.92	-1.355e+05	-
4.318e+04												
		-4.318e+04	-1.355e+05	-0.08	0.0	300.0	-3817.86	136.99	1389.65	7694.92	2.815e+05	-1921.89
2	69	-8129.67	2.136e+05	6.74e-03	0.0	0.0	-4362.00	-72.83	883.02	7.20	-5.132e+04	-8129.67
		-2.998e+04	-5.132e+04	-0.03	0.0	300.0	-3687.00	-72.83	883.02	7.20	2.136e+05	-
2.998e+04												
2	70	-1.042e+04	2.654e+05	7.27e-03	0.0	0.0	-5038.33	-67.02	1104.55	6.22	-6.592e+04	-
1.042e+04												
		-3.053e+04	-6.592e+04	-0.04	0.0	300.0	-4363.33	-67.02	1104.55	6.22	2.654e+05	-
3.053e+04												
2	71	-8129.67	2.136e+05	6.74e-03	0.0	0.0	-4362.00	-72.83	883.02	7.20	-5.132e+04	-8129.67
		-2.998e+04	-5.132e+04	-0.03	0.0	300.0	-3687.00	-72.83	883.02	7.20	2.136e+05	-
2.998e+04												
2	72	-8588.05	2.240e+05	6.85e-03	0.0	0.0	-4497.26	-71.67	927.32	7.00	-5.424e+04	-8588.05
		-3.009e+04	-5.424e+04	-0.03	0.0	300.0	-3822.26	-71.67	927.32	7.00	2.240e+05	-
3.009e+04												
5	2	5674.77	1.142e+05	-1.31e-03	0.0	0.0	-7816.44	-16.39	-1795.22	58.25	1.142e+05	5674.77
		758.10	-4.244e+05	0.06	0.0	300.0	-6938.94	-16.39	-1795.22	58.25	-4.244e+05	758.10
		3148.17	6.587e+04	-8.93e-04	0.0	0.0	-5029.04	-5.73	-1057.30	32.85	6.587e+04	3148.17
		1430.01	-2.513e+05	0.03	0.0	300.0	-4354.04	-5.73	-1057.30	32.85	-2.513e+05	1430.01
		4726.48	9.432e+04	-1.04e-03	0.0	0.0	-6293.61	-14.67	-1474.28	48.29	9.432e+04	4726.48
		325.29	-3.480e+05	0.05	0.0	300.0	-5618.61	-14.67	-1474.28	48.29	-3.480e+05	325.29
		8.019e+04	8.131e+04	-0.06	0.0	0.0	-5020.78	532.37	-1151.66	1915.08	8.131e+04	-
7.952e+04												
		-7.952e+04	-2.642e+05	0.04	0.0	300.0	-4345.78	532.37	-1151.66	1915.08	-2.642e+05	8.019e+04
		8.582e+04	5.052e+04	0.06	0.0	0.0	-5049.57	-543.82	-966.20	-1849.29	5.052e+04	8.582e+04
		-7.733e+04	-2.393e+05	-0.04	0.0	300.0	-4374.57	-543.82	-966.20	-1849.29	-2.393e+05	-
7.733e+04												
5	21	2.610e+04	-3363.14	-0.02	0.0	0.0	-4827.03	162.80	-641.82	-2224.64	-3363.14	-
2.275e+04												
		-2.275e+04	-1.959e+05	-0.09	0.0	300.0	-4152.03	162.80	-641.82	-2224.64	-1.959e+05	2.610e+04
		2.377e+04	1.368e+05	-0.02	0.0	0.0	-5206.05	146.90	-1485.56	3041.88	1.368e+05	-
2.029e+04												
		-2.029e+04	-3.089e+05	0.08	0.0	300.0	-4531.05	146.90	-1485.56	3041.88	-3.089e+05	2.377e+04
		2.905e+04	1.352e+05	0.02	0.0	0.0	-5243.32	-174.25	-1476.04	2290.43	1.352e+05	2.905e+04
		-2.323e+04	-3.076e+05	0.08	0.0	300.0	-4568.32	-174.25	-1476.04	2290.43	-3.076e+05	-
2.323e+04												
5	42	1.267e+05	9.036e+04	-0.10	0.0	0.0	-5012.55	849.86	-1206.16	3017.90	9.036e+04	-
1.283e+05												
		-1.283e+05	-2.715e+05	0.05	0.0	300.0	-4337.55	849.86	-1206.16	3017.90	-2.715e+05	1.267e+05
		1.346e+05	4.147e+04	0.10	0.0	0.0	-5057.80	-861.31	-911.70	-2952.11	4.147e+04	1.346e+05
		-1.238e+05	-2.320e+05	-0.05	0.0	300.0	-4382.80	-861.31	-911.70	-2952.11	-2.320e+05	-
1.238e+05												
5	53	4.062e+04	-4.424e+04	-0.03	0.0	0.0	-4704.87	261.99	-395.73	-3554.25	-4.424e+04	-
3.799e+04												
		-3.799e+04	-1.630e+05	-0.13	0.0	300.0	-4029.87	261.99	-395.73	-3554.25	-1.630e+05	4.062e+04
		3.699e+04	1.786e+05	-0.03	0.0	0.0	-5306.37	237.20	-1737.24	4811.92	1.786e+05	-
3.416e+04												
		-3.416e+04	-3.426e+05	0.11	0.0	300.0	-4631.37	237.20	-1737.24	4811.92	-3.426e+05	3.699e+04
		4.429e+04	1.761e+05	0.03	0.0	0.0	-5365.48	-273.45	-1722.13	3620.04	1.761e+05	4.429e+04
		-3.775e+04	-3.406e+05	0.11	0.0	300.0	-4690.48	-273.45	-1722.13	3620.04	-3.406e+05	-
3.775e+04												
5	69	3149.84	6.592e+04	-8.94e-04	0.0	0.0	-5035.18	-5.73	-1058.93	32.90	6.592e+04	3149.84
		1431.66	-2.518e+05	0.03	0.0	300.0	-4360.18	-5.73	-1058.93	32.90	-2.518e+05	1431.66
		4202.04	8.488e+04	-9.89e-04	0.0	0.0	-5878.22	-11.69	-1336.92	43.19	8.488e+04	4202.04
		695.19	-3.162e+05	0.04	0.0	300.0	-5203.22	-11.69	-1336.92	43.19	-3.162e+05	695.19
		3149.84	6.592e+04	-8.94e-04	0.0	0.0	-5035.18	-5.73	-1058.93	32.90	6.592e+04	3149.84
		1431.66	-2.518e+05	0.03	0.0	300.0	-4360.18	-5.73	-1058.93	32.90	-2.518e+05	1431.66
		3360.28	6.971e+04	-9.13e-04	0.0	0.0	-5203.79	-6.92	-1114.53	34.95	6.971e+04	3360.28
		1284.37	-2.646e+05	0.04	0.0	300.0	-4528.79	-6.92	-1114.53	34.95	-2.646e+05	1284.37
		1.259e+04	4.882e+05	-2.10e-03	0.0	0.0	-1.030e+04	48.37	2118.81	82.84	-1.474e+05	-1921.91
		-1921.91	-1.474e+05	-0.06	0.0	300.0	-9418.39	48.37	2118.81	82.84	4.882e+05	1.259e+04



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6	2	1.284e+04	6.463e+05	-2.27e-03	0.0	0.0	-1.266e+04	46.95	2817.80	109.17	-1.990e+05	-1248.89
		-1248.89	-1.990e+05	-0.08	0.0	300.0	-1.178e+04	46.95	2817.80	109.17	6.463e+05	1.284e+04
6	3	9688.92	3.742e+05	-1.62e-03	0.0	0.0	-7899.36	37.26	1624.51	63.54	-1.131e+05	-1487.94
		-1487.94	-1.131e+05	-0.05	0.0	300.0	-7224.36	37.26	1624.51	63.54	3.742e+05	9688.92
6	17	8.383e+04	3.981e+05	-0.06	0.0	0.0	-7939.09	554.34	1800.75	-1523.86	-1.421e+05	-
8.248e+04		-8.248e+04	-1.421e+05	-0.06	0.0	300.0	-7264.09	554.34	1800.75	-1523.86	3.981e+05	8.383e+04
6	29	2.641e+04	4.471e+05	-0.01	0.0	0.0	-8156.43	153.02	2166.91	-3421.92	-2.040e+05	-
1.950e+04		-1.950e+04	-2.040e+05	-0.10	0.0	300.0	-7481.43	153.02	2166.91	-3421.92	4.471e+05	2.641e+04
6	33	3.335e+04	4.479e+05	-0.02	0.0	0.0	-8152.23	201.38	2173.20	-3784.63	-2.040e+05	-
2.707e+04		-2.707e+04	-2.040e+05	-0.10	0.0	300.0	-7477.23	201.38	2173.20	-3784.63	4.479e+05	3.335e+04
6	34	3.023e+04	3.028e+05	-0.02	0.0	0.0	-7640.54	181.56	1088.14	3626.41	-2.360e+04	-
2.423e+04		-2.423e+04	-2.360e+04	0.12	0.0	300.0	-6965.54	181.56	1088.14	3626.41	3.028e+05	3.023e+04
6	35	2.127e+04	4.471e+05	0.02	0.0	0.0	-8181.41	-107.10	2166.92	-3499.13	-2.030e+05	2.127e+04
1.086e+04		-1.086e+04	-2.030e+05	-0.10	0.0	300.0	-7506.41	-107.10	2166.92	-3499.13	4.471e+05	-
6	49	1.276e+05	4.118e+05	-0.10	0.0	0.0	-7955.80	859.43	1902.87	-2457.69	-1.591e+05	-
1.303e+05		-1.303e+05	-1.591e+05	-0.07	0.0	300.0	-7280.80	859.43	1902.87	-2457.69	4.118e+05	1.276e+05
6	61	3.626e+04	4.897e+05	-0.02	0.0	0.0	-8301.23	221.21	2485.22	-5479.37	-2.576e+05	-
3.012e+04		-3.012e+04	-2.576e+05	-0.14	0.0	300.0	-7626.23	221.21	2485.22	-5479.37	4.897e+05	3.626e+04
6	65	4.730e+04	4.910e+05	-0.03	0.0	0.0	-8294.49	298.23	2495.17	-6054.58	-2.576e+05	-
4.217e+04		-4.217e+04	-2.576e+05	-0.14	0.0	300.0	-7619.49	298.23	2495.17	-6054.58	4.910e+05	4.730e+04
6	66	4.235e+04	2.603e+05	-0.03	0.0	0.0	-7481.16	266.72	769.82	5729.64	2.934e+04	-
3.765e+04		-3.765e+04	2.934e+04	0.17	0.0	300.0	-6806.16	266.72	769.82	5729.64	2.603e+05	4.235e+04
6	67	3.469e+04	4.896e+05	0.03	0.0	0.0	-8340.79	-192.26	2485.24	-5602.36	-2.559e+05	3.469e+04
2.298e+04		-2.298e+04	-2.559e+05	-0.14	0.0	300.0	-7665.79	-192.26	2485.24	-5602.36	4.896e+05	-
6	69	9686.15	3.750e+05	-1.62e-03	0.0	0.0	-7910.98	37.23	1627.53	63.64	-1.133e+05	-1482.54
		-1482.54	-1.133e+05	-0.05	0.0	300.0	-7235.98	37.23	1627.53	63.64	3.750e+05	9686.15
6	70	9850.87	4.804e+05	-1.73e-03	0.0	0.0	-9484.06	36.28	2093.52	81.20	-1.477e+05	-1033.86
		-1033.86	-1.477e+05	-0.06	0.0	300.0	-8809.06	36.28	2093.52	81.20	4.804e+05	9850.87
6	71	9686.15	3.750e+05	-1.62e-03	0.0	0.0	-7910.98	37.23	1627.53	63.64	-1.133e+05	-1482.54
		-1482.54	-1.133e+05	-0.05	0.0	300.0	-7235.98	37.23	1627.53	63.64	3.750e+05	9686.15
6	72	9719.09	3.960e+05	-1.64e-03	0.0	0.0	-8225.59	37.04	1720.73	67.15	-1.202e+05	-1392.81
		-1392.81	-1.202e+05	-0.05	0.0	300.0	-7550.59	37.04	1720.73	67.15	3.960e+05	9719.09
7	1	1684.57	5.048e+05	2.24e-03	0.0	0.0	-1.082e+04	-54.57	2199.17	-86.99	-1.550e+05	1684.57
1.469e+04		-1.469e+04	-1.550e+05	-0.06	0.0	300.0	-9939.13	-54.57	2199.17	-86.99	5.048e+05	-
7	2	828.69	6.693e+05	2.42e-03	0.0	0.0	-1.334e+04	-52.31	2928.57	-113.79	-2.093e+05	828.69
1.486e+04		-1.486e+04	-2.093e+05	-0.08	0.0	300.0	-1.246e+04	-52.31	2928.57	-113.79	6.693e+05	-
7	3	1303.10	3.869e+05	1.72e-03	0.0	0.0	-8298.35	-42.00	1686.06	-66.71	-1.189e+05	1303.10
1.130e+04		-1.130e+04	-1.189e+05	-0.05	0.0	300.0	-7623.35	-42.00	1686.06	-66.71	3.869e+05	-
7	20	8.235e+04	3.711e+05	0.06	0.0	0.0	-8185.55	-558.56	1565.16	1343.74	-9.840e+04	8.235e+04
8.523e+04		-8.523e+04	-9.840e+04	0.06	0.0	300.0	-7510.55	-558.56	1565.16	1343.74	3.711e+05	-
7	27	2.615e+04	4.662e+05	0.02	0.0	0.0	-8550.23	-200.98	2276.88	2174.42	-2.169e+05	2.615e+04
3.415e+04		-3.415e+04	-2.169e+05	-0.11	0.0	300.0	-7875.23	-200.98	2276.88	2174.42	4.662e+05	-
7	33	1.254e+04	4.480e+05	-0.02	0.0	0.0	-8585.16	123.83	2141.11	-3207.16	-1.943e+05	-
2.463e+04		-2.463e+04	-1.943e+05	-0.09	0.0	300.0	-7910.16	123.83	2141.11	-3207.16	4.480e+05	1.254e+04
7	36	2.723e+04	3.274e+05	0.02	0.0	0.0	-8036.56	-207.81	1237.35	3073.51	-4.381e+04	2.723e+04
3.513e+04		-3.513e+04	-4.381e+04	0.11	0.0	300.0	-7361.56	-207.81	1237.35	3073.51	3.274e+05	-
7	52	1.302e+05	3.614e+05	0.10	0.0	0.0	-8111.83	-863.35	1491.84	2173.74	-8.619e+04	1.302e+05
1.288e+05		-1.288e+05	-8.619e+04	0.07	0.0	300.0	-7436.83	-863.35	1491.84	2173.74	3.614e+05	-
7	59	4.075e+04	5.125e+05	0.03	0.0	0.0	-8690.69	-294.36	2623.57	3495.97	-2.746e+05	4.075e+04
4.758e+04		-4.758e+04	-2.746e+05	-0.15	0.0	300.0	-8015.69	-294.36	2623.57	3495.97	5.125e+05	-
7	65	2.660e+04	4.836e+05	-0.03	0.0	0.0	-8746.70	221.67	2407.77	-5059.11	-2.388e+05	-
3.992e+04		-3.992e+04	-2.388e+05	-0.12	0.0	300.0	-8071.70	221.67	2407.77	-5059.11	4.836e+05	2.660e+04
7	68	4.252e+04	2.918e+05	0.03	0.0	0.0	-7875.02	-305.64	970.69	4925.46	608.08	4.252e+04
4.920e+04		-4.920e+04	608.08	0.15	0.0	300.0	-7200.02	-305.64	970.69	4925.46	2.918e+05	-
7	69	1298.99	3.877e+05	1.72e-03	0.0	0.0	-8310.86	-41.99	1689.23	-66.82	-1.191e+05	1298.99



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1.130e+04		-1.130e+04	-1.191e+05	-0.05	0.0	300.0	-7635.86	-41.99	1689.23	-66.82	3.877e+05	-
7	70	728.40	4.973e+05	1.84e-03	0.0	0.0	-9994.26	-40.48	2175.50	-84.69	-1.553e+05	728.40
		-1.141e+04	-1.553e+05	-0.06	0.0	300.0	-9319.26	-40.48	2175.50	-84.69	4.973e+05	-
1.141e+04												
7	71	1298.99	3.877e+05	1.72e-03	0.0	0.0	-8310.86	-41.99	1689.23	-66.82	-1.191e+05	1298.99
		-1.130e+04	-1.191e+05	-0.05	0.0	300.0	-7635.86	-41.99	1689.23	-66.82	3.877e+05	-
1.130e+04												
7	72	1184.87	4.096e+05	1.75e-03	0.0	0.0	-8647.54	-41.69	1786.48	-70.40	-1.263e+05	1184.87
		-1.132e+04	-1.263e+05	-0.05	0.0	300.0	-7972.54	-41.69	1786.48	-70.40	4.096e+05	-
1.132e+04												
8	1	1.763e+04	4.921e+05	-2.65e-03	0.0	0.0	-1.089e+04	70.18	2138.38	-24.87	-1.494e+05	-3429.22
		-3429.22	-1.494e+05	-0.06	0.0	300.0	-1.001e+04	70.18	2138.38	-24.87	4.921e+05	1.763e+04
8	2	1.889e+04	6.518e+05	-2.90e-03	0.0	0.0	-1.344e+04	74.07	2845.44	-27.83	-2.018e+05	-3332.20
		-3332.20	-2.018e+05	-0.08	0.0	300.0	-1.256e+04	74.07	2845.44	-27.83	6.518e+05	1.889e+04
8	3	1.355e+04	3.772e+05	-2.03e-03	0.0	0.0	-8352.09	53.94	1639.50	-19.15	-1.146e+05	-2636.61
		-2636.61	-1.146e+05	-0.05	0.0	300.0	-7677.09	53.94	1639.50	-19.15	3.772e+05	1.355e+04
8	17	8.780e+04	3.980e+05	-0.06	0.0	0.0	-8376.91	571.87	1791.92	-1129.29	-1.396e+05	-
8.377e+04												
8	25	-8.377e+04	-1.396e+05	-0.06	0.0	300.0	-7701.91	571.87	1791.92	-1129.29	3.980e+05	8.780e+04
		3.487e+04	4.617e+05	-0.02	0.0	0.0	-8613.55	202.36	2268.72	-2313.48	-2.189e+05	-
2.583e+04												
8	26	-2.583e+04	-2.189e+05	-0.11	0.0	300.0	-7938.55	202.36	2268.72	-2313.48	4.617e+05	3.487e+04
		3.652e+04	2.962e+05	-0.02	0.0	0.0	-8075.72	214.56	1030.49	2060.86	-1.297e+04	-
2.786e+04												
8	27	-2.786e+04	-1.297e+04	0.13	0.0	300.0	-7400.72	214.56	1030.49	2060.86	2.962e+05	3.652e+04
		2.258e+04	4.598e+05	0.02	0.0	0.0	-8653.75	-106.63	2254.62	-2099.14	-2.166e+05	2.258e+04
		-9414.66	-2.166e+05	-0.11	0.0	300.0	-7978.75	-106.63	2254.62	-2099.14	4.598e+05	-9414.66
8	49	1.316e+05	4.097e+05	-0.10	0.0	0.0	-8384.53	877.44	1879.84	-1780.65	-1.543e+05	-
1.316e+05												
8	57	-1.316e+05	-1.543e+05	-0.07	0.0	300.0	-7709.53	877.44	1879.84	-1780.65	4.097e+05	1.316e+05
		4.746e+04	5.111e+05	-0.03	0.0	0.0	-8759.48	290.12	2638.14	-3666.28	-2.804e+05	-
3.956e+04												
8	58	-3.956e+04	-2.804e+05	-0.15	0.0	300.0	-8084.48	290.12	2638.14	-3666.28	5.111e+05	4.746e+04
		5.005e+04	2.479e+05	-0.03	0.0	0.0	-7906.36	309.12	669.27	3288.25	4.711e+04	-
4.270e+04												
8	59	-4.270e+04	4.711e+04	0.18	0.0	300.0	-7231.36	309.12	669.27	3288.25	2.479e+05	5.005e+04
		3.743e+04	5.081e+05	0.03	0.0	0.0	-8823.11	-201.19	2615.85	-3326.52	-2.767e+05	3.743e+04
		-2.294e+04	-2.767e+05	-0.15	0.0	300.0	-8148.11	-201.19	2615.85	-3326.52	5.081e+05	-
2.294e+04												
8	69	1.355e+04	3.780e+05	-2.04e-03	0.0	0.0	-8364.74	53.97	1642.56	-19.14	-1.148e+05	-2637.32
		-2637.32	-1.148e+05	-0.05	0.0	300.0	-7689.74	53.97	1642.56	-19.14	3.780e+05	1.355e+04
8	70	1.440e+04	4.844e+05	-2.21e-03	0.0	0.0	-1.007e+04	56.56	2113.93	-21.11	-1.497e+05	-2572.64
		-2572.64	-1.497e+05	-0.06	0.0	300.0	-9393.20	56.56	2113.93	-21.11	4.844e+05	1.440e+04
8	71	1.355e+04	3.780e+05	-2.04e-03	0.0	0.0	-8364.74	53.97	1642.56	-19.14	-1.148e+05	-2637.32
		-2637.32	-1.148e+05	-0.05	0.0	300.0	-7689.74	53.97	1642.56	-19.14	3.780e+05	1.355e+04
8	72	1.372e+04	3.993e+05	-2.07e-03	0.0	0.0	-8705.43	54.49	1736.83	-19.53	-1.218e+05	-2624.38
		-2624.38	-1.218e+05	-0.05	0.0	300.0	-8030.43	54.49	1736.83	-19.53	3.993e+05	1.372e+04
9	2	5553.59	4.243e+05	-1.29e-03	0.0	0.0	-7815.75	-15.78	1794.81	-34.00	-1.141e+05	5553.59
		818.58	-1.141e+05	-0.06	0.0	300.0	-6938.25	-15.78	1794.81	-34.00	4.243e+05	818.58
9	3	3073.52	2.513e+05	-8.84e-04	0.0	0.0	-5028.68	-5.36	1057.03	-18.00	-6.584e+04	3073.52
		1466.60	-6.584e+04	-0.03	0.0	300.0	-4353.68	-5.36	1057.03	-18.00	2.513e+05	1466.60
9	4	4627.91	3.479e+05	-1.02e-03	0.0	0.0	-6293.03	-14.18	1473.95	-28.53	-9.429e+04	4627.91
		374.67	-9.429e+04	-0.05	0.0	300.0	-5618.03	-14.18	1473.95	-28.53	3.479e+05	374.67
9	17	8.004e+04	2.642e+05	-0.06	0.0	0.0	-5020.36	531.86	1151.80	-1856.98	-8.135e+04	-
7.952e+04												
9	20	-7.952e+04	-8.135e+04	-0.04	0.0	300.0	-4345.36	531.86	1151.80	-1856.98	2.642e+05	8.004e+04
		8.567e+04	2.392e+05	0.06	0.0	0.0	-5049.26	-542.58	965.54	1820.93	-5.042e+04	8.567e+04
		-7.710e+04	-5.042e+04	0.04	0.0	300.0	-4374.26	-542.58	965.54	1820.93	2.392e+05	-
7.710e+04												
9	25	2.375e+04	3.089e+05	-0.02	0.0	0.0	-5205.68	147.06	1485.49	-3009.20	-1.368e+05	-
2.036e+04												
9	26	-2.036e+04	-1.368e+05	-0.08	0.0	300.0	-4530.68	147.06	1485.49	-3009.20	3.089e+05	2.375e+04
		2.607e+04	1.959e+05	-0.02	0.0	0.0	-4826.67	162.83	641.60	2245.62	3396.10	-
2.279e+04												
9	27	-2.279e+04	3396.10	0.09	0.0	300.0	-4151.67	162.83	641.60	2245.62	1.959e+05	2.607e+04
		2.894e+04	3.076e+05	0.02	0.0	0.0	-5242.95	-173.54	1475.74	-2281.67	-1.352e+05	2.894e+04
		-2.313e+04	-1.352e+05	-0.08	0.0	300.0	-4567.95	-173.54	1475.74	-2281.67	3.076e+05	-
2.313e+04												
9	49	1.264e+05	2.715e+05	-0.10	0.0	0.0	-5012.11	848.83	1206.54	-2934.06	-9.044e+04	-
1.283e+05												
9	52	-1.283e+05	-9.044e+04	-0.05	0.0	300.0	-4337.11	848.83	1206.54	-2934.06	2.715e+05	1.264e+05
		1.344e+05	2.319e+05	0.10	0.0	0.0	-5057.51	-859.55	910.80	2898.00	-4.133e+04	1.344e+05
		-1.235e+05	-4.133e+04	0.05	0.0	300.0	-4382.51	-859.55	910.80	2898.00	2.319e+05	-
1.235e+05												
9	57	3.694e+04	3.426e+05	-0.03	0.0	0.0	-5305.98	237.24	1737.29	-4768.83	-1.786e+05	-



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1.946e+04														
	15	36	-1.946e+04-4.471e+05	0.10	0.0	300.0	-7481.54	152.90	-2166.95	3419.89-4.471e+05	2.641e+04			
			1.385e+04 2.030e+05	0.01	0.0	0.0	-8177.32	-59.76	-2173.56	3844.07 2.030e+05	1.385e+04			
			-4072.32-4.479e+05	0.10	0.0	300.0	-7502.32	-59.76	-2173.56	3844.07-4.479e+05	-4072.32			
	15	42	1.278e+05 1.590e+05	-0.10	0.0	0.0	-7955.85	860.25	-1902.22	2499.64 1.590e+05	-			
1.303e+05			-1.303e+05-4.117e+05	0.07	0.0	300.0	-7280.85	860.25	-1902.22	2499.64-4.117e+05	1.278e+05			
	15	61	4.242e+04-2.931e+04	-0.03	0.0	0.0	-7480.88	266.77	-769.71	-5715.34-2.931e+04	-			
3.760e+04			-3.760e+04-2.602e+05	-0.17	0.0	300.0	-6805.88	266.77	-769.71	-5715.34-2.602e+05	4.242e+04			
	15	64	3.482e+04 2.560e+05	0.03	0.0	0.0	-8340.98	-193.29	-2485.70	5575.36 2.560e+05	3.482e+04			
			-2.316e+04-4.897e+05	0.14	0.0	300.0	-7665.98	-193.29	-2485.70	5575.36-4.897e+05	-			
2.316e+04			66 3.630e+04 2.577e+05	-0.02	0.0	0.0	-8301.42	221.31	-2485.17	5479.89 2.577e+05	-			
	15		-3.011e+04-4.896e+05	0.14	0.0	300.0	-7626.42	221.31	-2485.17	5479.89-4.896e+05	3.630e+04			
			68 2.282e+04 2.559e+05	0.02	0.0	0.0	-8334.26	-116.59	-2495.64	6153.05 2.559e+05	2.282e+04			
			-1.214e+04-4.910e+05	0.14	0.0	300.0	-7659.26	-116.59	-2495.64	6153.05-4.910e+05	-			
1.214e+04			69 9631.65 1.134e+05	-1.62e-03	0.0	0.0	-7910.93	36.74	-1627.70	-69.99 1.134e+05	-1391.61			
	15		-1391.61-3.749e+05	0.05	0.0	300.0	-7235.93	36.74	-1627.70	-69.99-3.749e+05	9631.65			
			70 9786.71 1.478e+05	-1.73e-03	0.0	0.0	-9484.02	35.72	-2093.73	-90.30 1.478e+05	-928.21			
	15		-928.21-4.804e+05	0.06	0.0	300.0	-8809.02	35.72	-2093.73	-90.30-4.804e+05	9786.71			
			71 9631.65 1.134e+05	-1.62e-03	0.0	0.0	-7910.93	36.74	-1627.70	-69.99 1.134e+05	-1391.61			
	15		-1391.61-3.749e+05	0.05	0.0	300.0	-7235.93	36.74	-1627.70	-69.99-3.749e+05	9631.65			
			72 9662.66 1.202e+05	-1.64e-03	0.0	0.0	-8225.55	36.54	-1720.91	-74.05 1.202e+05	-1298.93			
	15		-1298.93-3.960e+05	0.05	0.0	300.0	-7550.55	36.54	-1720.91	-74.05-3.960e+05	9662.66			
			1 1572.20 1.549e+05	2.26e-03	0.0	0.0	-1.082e+04	-54.10	-2198.88	63.00 1.549e+05	1572.20			
	16		-1.466e+04-5.048e+05	0.06	0.0	300.0	-9939.02	-54.10	-2198.88	63.00-5.048e+05	-			
1.466e+04			2 695.41 2.092e+05	2.45e-03	0.0	0.0	-1.334e+04	-51.76	-2928.21	84.64 2.092e+05	695.41			
	16		-1.483e+04-6.692e+05	0.08	0.0	300.0	-1.246e+04	-51.76	-2928.21	84.64-6.692e+05	-			
1.483e+04			3 1216.79 1.189e+05	1.74e-03	0.0	0.0	-8298.27	-41.64	-1685.84	48.31 1.189e+05	1216.79			
	16		-1.127e+04-3.869e+05	0.05	0.0	300.0	-7623.27	-41.64	-1685.84	48.31-3.869e+05	-			
1.127e+04			11 8.227e+04 9.828e+04	0.06	0.0	0.0	-8185.39	-558.75	-1564.49	-1396.71 9.828e+04	8.227e+04			
	16		-8.536e+04-3.711e+05	-0.06	0.0	300.0	-7510.39	-558.75	-1564.49	-1396.71-3.711e+05	-			
8.536e+04			24 2.605e+04 2.168e+05	0.02	0.0	0.0	-8550.16	-200.71	-2276.35	-2202.03 2.168e+05	2.605e+04			
	16		-3.417e+04-4.661e+05	0.11	0.0	300.0	-7875.16	-200.71	-2276.35	-2202.03-4.661e+05	-			
3.417e+04			30 1.259e+04 1.943e+05	-0.02	0.0	0.0	-8584.71	124.27	-2140.91	3197.12 1.943e+05	-			
	16		-2.470e+04-4.480e+05	0.09	0.0	300.0	-7909.71	124.27	-2140.91	3197.12-4.480e+05	1.259e+04			
			31 2.713e+04 4.376e+04	0.02	0.0	0.0	-8036.84	-207.52	-1237.11	-3100.32 4.376e+04	2.713e+04			
	16		-3.514e+04-3.274e+05	-0.11	0.0	300.0	-7361.84	-207.52	-1237.11	-3100.32-3.274e+05	-			
3.514e+04			43 1.301e+05 8.602e+04	0.10	0.0	0.0	-8111.63	-863.86	-1490.92	-2247.20 8.602e+04	1.301e+05			
	16		-1.291e+05-3.613e+05	-0.07	0.0	300.0	-7436.63	-863.86	-1490.92	-2247.20-3.613e+05	-			
1.291e+05			56 4.064e+04 2.745e+05	0.03	0.0	0.0	-8690.63	-294.15	-2622.87	-3529.02 2.745e+05	4.064e+04			
	16		-4.762e+04-5.124e+05	0.15	0.0	300.0	-8015.63	-294.15	-2622.87	-3529.02-5.124e+05	-			
4.762e+04			62 2.668e+04 2.387e+05	-0.03	0.0	0.0	-8746.04	222.15	-2407.58	5054.06 2.387e+05	-			
	16		-4.000e+04-4.836e+05	0.12	0.0	300.0	-8071.04	222.15	-2407.58	5054.06-4.836e+05	2.668e+04			
			63 4.242e+04 -652.31	0.03	0.0	0.0	-7875.51	-305.40	-970.44	-4957.26 -652.31	4.242e+04			
	16		-4.923e+04-2.918e+05	-0.15	0.0	300.0	-7200.51	-305.40	-970.44	-4957.26-2.918e+05	-			
4.923e+04			69 1212.61 1.190e+05	1.74e-03	0.0	0.0	-8310.77	-41.63	-1689.01	48.40 1.190e+05	1212.61			
	16		-1.127e+04-3.877e+05	0.05	0.0	300.0	-7635.77	-41.63	-1689.01	48.40-3.877e+05	-			
1.127e+04			70 628.08 1.552e+05	1.86e-03	0.0	0.0	-9994.15	-40.06	-2175.23	62.82 1.552e+05	628.08			
	16		-1.139e+04-4.973e+05	0.06	0.0	300.0	-9319.15	-40.06	-2175.23	62.82-4.973e+05	-			
1.139e+04			71 1212.61 1.190e+05	1.74e-03	0.0	0.0	-8310.77	-41.63	-1689.01	48.40 1.190e+05	1212.61			
	16		-1.127e+04-3.877e+05	0.05	0.0	300.0	-7635.77	-41.63	-1689.01	48.40-3.877e+05	-			
1.127e+04			72 1095.70 1.263e+05	1.76e-03	0.0	0.0	-8647.45	-41.31	-1786.25	51.28 1.263e+05	1095.70			
	16		-1.130e+04-4.096e+05	0.05	0.0	300.0	-7972.45	-41.31	-1786.25	51.28-4.096e+05	-			
1.130e+04			1 1.757e+04 1.493e+05	-2.66e-03	0.0	0.0	-1.089e+04	69.53	-2138.24	40.51 1.493e+05	-3285.94			
	17		-3285.94-4.922e+05	0.06	0.0	300.0	-1.001e+04	69.53	-2138.24	40.51-4.922e+05	1.757e+04			
			2 1.883e+04 2.017e+05	-2.92e-03	0.0	0.0	-1.344e+04	73.33	-2845.27	46.10 2.017e+05	-3166.18			
	17		-3166.18-6.518e+05	0.08	0.0	300.0	-1.256e+04	73.33	-2845.27	46.10-6.518e+05	1.883e+04			



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17	3	1.351e+04	1.146e+05	-2.05e-03	0.0	0.0	-8352.01	53.44	-1639.39	31.16	1.146e+05	-2526.60	
		-2526.60	-3.772e+05	0.05	0.0	300.0	-7677.01	53.44	-1639.39	31.16	-3.772e+05	1.351e+04	
8.367e+04	17	10	8.792e+04	1.397e+05	-0.06	0.0	0.0	-8376.97	571.94	-1792.24	1176.03	1.397e+05	-
			-8.367e+04	-3.980e+05	0.06	0.0	300.0	-7701.97	571.94	-1792.24	1176.03	-3.980e+05	8.792e+04
2.775e+04	17	21	3.652e+04	1.300e+04	-0.02	0.0	0.0	-8075.60	214.21	-1030.72	-2039.09	1.300e+04	-
			-2.775e+04	-2.962e+05	-0.13	0.0	300.0	-7400.60	214.21	-1030.72	-2039.09	-2.962e+05	3.652e+04
2.573e+04	17	22	3.489e+04	2.189e+05	-0.02	0.0	0.0	-8613.40	202.08	-2268.56	2336.93	2.189e+05	-
			-2.573e+04	-4.617e+05	0.11	0.0	300.0	-7938.40	202.08	-2268.56	2336.93	-4.617e+05	3.489e+04
	17	24	2.270e+04	2.165e+05	0.02	0.0	0.0	-8653.72	-107.28	-2254.18	2101.41	2.165e+05	2.270e+04
			-9494.41	-4.598e+05	0.11	0.0	300.0	-7978.72	-107.28	-2254.18	2101.41	-4.598e+05	-9494.41
1.315e+05	17	42	1.318e+05	1.543e+05	-0.10	0.0	0.0	-8384.69	877.84	-1880.41	1847.94	1.543e+05	-
			-1.315e+05	-4.098e+05	0.07	0.0	300.0	-7709.69	877.84	-1880.41	1847.94	-4.098e+05	1.318e+05
4.261e+04	17	53	5.007e+04	-4.704e+04	-0.03	0.0	0.0	-7906.18	308.87	-669.69	-3260.69	-4.704e+04	-
			-4.261e+04	-2.479e+05	-0.18	0.0	300.0	-7231.18	308.87	-669.69	-3260.69	-2.479e+05	5.007e+04
3.945e+04	17	54	4.752e+04	2.803e+05	-0.03	0.0	0.0	-8759.34	289.96	-2637.94	3696.48	2.803e+05	-
			-3.945e+04	-5.111e+05	0.15	0.0	300.0	-8084.34	289.96	-2637.94	3696.48	-5.111e+05	4.752e+04
	17	56	3.755e+04	2.765e+05	0.03	0.0	0.0	-8823.14	-201.94	-2615.21	3323.01	2.765e+05	3.755e+04
			-2.305e+04	-5.080e+05	0.15	0.0	300.0	-8148.14	-201.94	-2615.21	3323.01	-5.080e+05	-
2.305e+04	17	69	1.351e+04	1.147e+05	-2.05e-03	0.0	0.0	-8364.66	53.47	-1642.45	31.16	1.147e+05	-2527.19
			-2527.19	-3.780e+05	0.05	0.0	300.0	-7689.66	53.47	-1642.45	31.16	-3.780e+05	1.351e+04
	17	70	1.435e+04	1.497e+05	-2.22e-03	0.0	0.0	-1.007e+04	56.00	-2113.80	34.89	1.497e+05	-2447.35
			-2447.35	-4.845e+05	0.06	0.0	300.0	-9393.07	56.00	-2113.80	34.89	-4.845e+05	1.435e+04
	17	71	1.351e+04	1.147e+05	-2.05e-03	0.0	0.0	-8364.66	53.47	-1642.45	31.16	1.147e+05	-2527.19
			-2527.19	-3.780e+05	0.05	0.0	300.0	-7689.66	53.47	-1642.45	31.16	-3.780e+05	1.351e+04
	17	72	1.368e+04	1.217e+05	-2.08e-03	0.0	0.0	-8705.34	53.97	-1736.72	31.91	1.217e+05	-2511.22
			-2511.22	-3.993e+05	0.05	0.0	300.0	-8030.34	53.97	-1736.72	31.91	-3.993e+05	1.368e+04
	18	1	4457.47	5.631e+05	-8.46e-04	0.0	0.0	-1.264e+04	19.47	2452.54	53.32	-1.727e+05	-1384.93
			-1384.93	-1.727e+05	-0.07	0.0	300.0	-1.176e+04	19.47	2452.54	53.32	5.631e+05	4457.47
	18	2	3870.26	7.500e+05	-8.00e-04	0.0	0.0	-1.572e+04	16.07	3280.79	69.26	-2.342e+05	-949.27
			-949.27	-2.342e+05	-0.09	0.0	300.0	-1.484e+04	16.07	3280.79	69.26	7.500e+05	3870.26
	18	3	3416.08	4.315e+05	-6.50e-04	0.0	0.0	-9695.07	14.94	1880.08	40.86	-1.325e+05	-1066.48
			-1066.48	-1.325e+05	-0.05	0.0	300.0	-9020.07	14.94	1880.08	40.86	4.315e+05	3416.08
8.218e+04	18	14	7.772e+04	4.154e+05	-0.06	0.0	0.0	-9703.51	532.99	1756.80	-1734.83	-1.117e+05	-
			-8.218e+04	-1.117e+05	0.06	0.0	300.0	-9028.51	532.99	1756.80	-1734.83	4.154e+05	7.772e+04
	18	15	8.005e+04	4.495e+05	0.06	0.0	0.0	-9717.42	-503.06	2010.70	1816.72	-1.537e+05	8.005e+04
			-7.087e+04	-1.537e+05	-0.07	0.0	300.0	-9042.42	-503.06	2010.70	1816.72	4.495e+05	-
7.087e+04	18	33	2.629e+04	5.369e+05	-0.02	0.0	0.0	-1.006e+04	174.55	2660.24	1408.37	-2.612e+05	-
2.608e+04			-2.608e+04	-2.612e+05	-0.13	0.0	300.0	-9381.52	174.55	2660.24	1408.37	5.369e+05	2.629e+04
	18	35	2.239e+04	5.377e+05	0.02	0.0	0.0	-1.002e+04	-134.90	2666.56	2137.53	-2.622e+05	2.239e+04
			-1.808e+04	-2.622e+05	-0.13	0.0	300.0	-9348.57	-134.90	2666.56	2137.53	5.377e+05	-
1.808e+04	18	36	2.395e+04	3.280e+05	0.02	0.0	0.0	-9364.41	-144.63	1107.26	-1326.47	-4162.27	2.395e+04
			-1.944e+04	-4162.27	0.16	0.0	300.0	-8689.41	-144.63	1107.26	-1326.47	3.280e+05	-
1.944e+04	18	46	1.215e+05	4.053e+05	-0.10	0.0	0.0	-9699.56	838.52	1681.91	-2759.89	-9.927e+04	-
1.300e+05			-1.300e+05	-9.927e+04	0.07	0.0	300.0	-9024.56	838.52	1681.91	-2759.89	4.053e+05	1.215e+05
	18	47	1.279e+05	4.596e+05	0.10	0.0	0.0	-9721.37	-808.59	2085.59	2841.78	-1.661e+05	1.279e+05
			-1.147e+05	-1.661e+05	-0.07	0.0	300.0	-9046.37	-808.59	2085.59	2841.78	4.596e+05	-
1.147e+05	18	65	3.978e+04	5.985e+05	-0.03	0.0	0.0	-1.026e+04	268.72	3118.44	2214.82	-3.370e+05	-
4.084e+04			-4.084e+04	-3.370e+05	-0.19	0.0	300.0	-9585.42	268.72	3118.44	2214.82	5.985e+05	3.978e+04
	18	67	3.622e+04	5.999e+05	0.03	0.0	0.0	-1.021e+04	-223.33	3128.48	3367.64	-3.387e+05	3.622e+04
			-3.077e+04	-3.387e+05	-0.19	0.0	300.0	-9533.29	-223.33	3128.48	3367.64	5.999e+05	-
3.077e+04	18	68	3.871e+04	2.664e+05	0.03	0.0	0.0	-9160.50	-238.79	649.05	-2132.93	7.168e+04	3.871e+04
			-3.293e+04	7.168e+04	0.23	0.0	300.0	-8485.50	-238.79	649.05	-2132.93	2.664e+05	-
3.293e+04	18	69	3423.28	4.324e+05	-6.51e-04	0.0	0.0	-9710.46	14.96	1883.75	40.95	-1.327e+05	-1065.83
			-1065.83	-1.327e+05	-0.06	0.0	300.0	-9035.46	14.96	1883.75	40.95	4.324e+05	3423.28
	18	70	3031.81	5.571e+05	-6.20e-04	0.0	0.0	-1.176e+04	12.69	2435.92	51.58	-1.737e+05	-775.39
			-775.39	-1.737e+05	-0.07	0.0	300.0	-1.109e+04	12.69	2435.92	51.58	5.571e+05	3031.81
	18	71	3423.28	4.324e+05	-6.51e-04	0.0	0.0	-9710.46	14.96	1883.75	40.95	-1.327e+05	-1065.83
			-1065.83	-1.327e+05	-0.06	0.0	300.0	-9035.46	14.96	1883.75	40.95	4.324e+05	3423.28
	18	72	3344.99	4.574e+05	-6.44e-04	0.0	0.0	-1.012e+04	14.51	1994.18	43.07	-1.409e+05	-1007.74



30	60	4.032e+04	2.402e+05	0.03	0.0	0.0	-7280.38	-306.69	752.00	1814.04	1.458e+04	4.032e+04
		-5.171e+04	1.458e+04	0.13	0.0	300.0	-6605.38	-306.69	752.00	1814.04	2.402e+05	-
5.171e+04												
30	69	-244.63	3.304e+05	2.45e-03	0.0	0.0	-7635.96	-43.41	1420.01	-8.26	-9.557e+04	-244.63
		-1.327e+04	-9.557e+04	-0.04	0.0	300.0	-6960.96	-43.41	1420.01	-8.26	3.304e+05	-
1.327e+04												
30	70	-1174.61	4.211e+05	2.64e-03	0.0	0.0	-9166.56	-40.69	1818.67	-11.61	-1.245e+05	-1174.61
		-1.338e+04	-1.245e+05	-0.05	0.0	300.0	-8491.56	-40.69	1818.67	-11.61	4.211e+05	-
1.338e+04												
30	71	-244.63	3.304e+05	2.45e-03	0.0	0.0	-7635.96	-43.41	1420.01	-8.26	-9.557e+04	-244.63
		-1.327e+04	-9.557e+04	-0.04	0.0	300.0	-6960.96	-43.41	1420.01	-8.26	3.304e+05	-
1.327e+04												
30	72	-430.63	3.486e+05	2.49e-03	0.0	0.0	-7942.08	-42.86	1499.74	-8.93	-1.013e+05	-430.63
		-1.329e+04	-1.013e+05	-0.05	0.0	300.0	-7267.08	-42.86	1499.74	-8.93	3.486e+05	-
1.329e+04												
42	2	3.238e+04	7.622e+04	-8.19e-03	0.0	0.0	-6369.05	65.91	-1334.76	76.27	7.622e+04	1.260e+04
		1.260e+04	-3.242e+05	0.04	0.0	300.0	-5491.55	65.91	-1334.76	76.27	-3.242e+05	3.238e+04
42	3	2.423e+04	4.424e+04	-5.76e-03	0.0	0.0	-4163.21	55.80	-799.80	52.65	4.424e+04	7493.01
		7493.01	-1.957e+05	0.03	0.0	300.0	-3488.21	55.80	-799.80	52.65	-1.957e+05	2.423e+04
42	5	8.093e+04	2.303e+04	-0.06	0.0	0.0	-4315.07	473.01	-673.95	-1832.34	2.303e+04	-
6.098e+04												
42	6	-6.098e+04	-1.791e+05	-0.04	0.0	300.0	-3640.07	473.01	-673.95	-1832.34	-1.791e+05	8.093e+04
		8.031e+04	5.028e+04	-0.06	0.0	0.0	-4398.31	467.70	-839.32	-839.38	5.028e+04	-
5.999e+04												
42	7	-5.999e+04	-2.014e+05	0.03	0.0	300.0	-3723.31	467.70	-839.32	-839.38	-2.014e+05	8.031e+04
		7.513e+04	3.827e+04	0.07	0.0	0.0	-3937.18	-356.85	-762.70	944.54	3.827e+04	7.513e+04
		-3.192e+04	-1.906e+05	-0.03	0.0	300.0	-3262.18	-356.85	-762.70	944.54	-1.906e+05	-
3.192e+04												
42	10	8.098e+04	4.805e+04	-0.06	0.0	0.0	-4380.01	467.67	-826.22	-782.97	4.805e+04	-
6.004e+04												
42	24	-6.004e+04	-1.997e+05	0.03	0.0	300.0	-3705.01	467.67	-826.22	-782.97	-1.997e+05	8.098e+04
		2.963e+04	9.197e+04	0.02	0.0	0.0	-4249.80	-77.91	-1089.94	2124.05	9.197e+04	2.963e+04
		6237.84	-2.350e+05	0.06	0.0	300.0	-3574.80	-77.91	-1089.94	2124.05	-2.350e+05	6237.84
42	37	1.144e+05	1.059e+04	-0.10	0.0	0.0	-4400.78	719.37	-599.72	-2887.85	1.059e+04	-
1.014e+05												
42	38	-1.014e+05	-1.692e+05	-0.05	0.0	300.0	-3725.78	719.37	-599.72	-2887.85	-1.692e+05	1.144e+05
		1.134e+05	5.383e+04	-0.10	0.0	0.0	-4533.12	710.94	-862.12	-1318.36	5.383e+04	-
9.986e+04												
42	39	-9.986e+04	-2.047e+05	0.03	0.0	300.0	-3858.12	710.94	-862.12	-1318.36	-2.047e+05	1.134e+05
		1.150e+05	3.472e+04	0.11	0.0	0.0	-3802.37	-600.09	-739.90	1423.52	3.472e+04	1.150e+05
		-6.502e+04	-1.874e+05	-0.03	0.0	300.0	-3127.37	-600.09	-739.90	1423.52	-1.874e+05	-
6.502e+04												
42	40	1.166e+05	7.796e+04	0.11	0.0	0.0	-3934.71	-608.52	-1002.30	2993.01	7.796e+04	1.166e+05
		-6.600e+04	-2.229e+05	0.05	0.0	300.0	-3259.71	-608.52	-1002.30	2993.01	-2.229e+05	-
6.600e+04												
42	56	4.264e+04	1.200e+05	0.04	0.0	0.0	-4298.55	-156.53	-1259.37	3315.10	1.200e+05	4.264e+04
		-4350.43	-2.579e+05	0.08	0.0	300.0	-3623.55	-156.53	-1259.37	3315.10	-2.579e+05	-4350.43
42	69	2.420e+04	4.428e+04	-5.77e-03	0.0	0.0	-4167.75	55.42	-801.01	52.58	4.428e+04	7568.26
		7568.26	-1.960e+05	0.03	0.0	300.0	-3492.75	55.42	-801.01	52.58	-1.960e+05	2.420e+04
42	70	2.484e+04	5.669e+04	-6.22e-03	0.0	0.0	-4798.71	51.58	-995.83	57.90	5.669e+04	9361.96
		9361.96	-2.421e+05	0.03	0.0	300.0	-4123.71	51.58	-995.83	57.90	-2.421e+05	2.484e+04
42	71	2.420e+04	4.428e+04	-5.77e-03	0.0	0.0	-4167.75	55.42	-801.01	52.58	4.428e+04	7568.26
		7568.26	-1.960e+05	0.03	0.0	300.0	-3492.75	55.42	-801.01	52.58	-1.960e+05	2.420e+04
42	72	2.432e+04	4.676e+04	-5.86e-03	0.0	0.0	-4293.94	54.66	-839.97	53.65	4.676e+04	7927.00
		7927.00	-2.052e+05	0.03	0.0	300.0	-3618.94	54.66	-839.97	53.65	-2.052e+05	2.432e+04
43	2	3.262e+04	3.241e+05	-8.11e-03	0.0	0.0	-6368.82	68.96	1334.96	7.79	-7.638e+04	1.193e+04
		1.193e+04	-7.638e+04	-0.04	0.0	300.0	-5491.32	68.96	1334.96	7.79	3.241e+05	3.262e+04
43	3	2.439e+04	1.956e+05	-5.72e-03	0.0	0.0	-4163.09	57.81	799.92	1.74	-4.434e+04	7052.04
		7052.04	-4.434e+04	-0.03	0.0	300.0	-3488.09	57.81	799.92	1.74	1.956e+05	2.439e+04
43	13	8.040e+04	2.015e+05	-0.06	0.0	0.0	-4397.65	469.87	840.31	897.21	-5.054e+04	-
6.056e+04												
43	14	-6.056e+04	-5.054e+04	-0.03	0.0	300.0	-3722.65	469.87	840.31	897.21	2.015e+05	8.040e+04
		8.099e+04	1.791e+05	-0.06	0.0	0.0	-4315.04	474.97	674.68	1889.50	-2.323e+04	-
6.151e+04												
43	16	-6.151e+04	-2.323e+04	0.04	0.0	300.0	-3640.04	474.97	674.68	1889.50	1.791e+05	8.099e+04
		7.481e+04	1.905e+05	0.07	0.0	0.0	-3937.60	-355.02	761.96	-893.71	-3.821e+04	7.481e+04
		-3.169e+04	-3.821e+04	0.03	0.0	300.0	-3262.60	-355.02	761.96	-893.71	1.905e+05	-
3.169e+04												
43	17	8.104e+04	1.998e+05	-0.06	0.0	0.0	-4379.26	469.80	827.16	859.61	-4.830e+04	-
6.059e+04												
43	27	-6.059e+04	-4.830e+04	-0.03	0.0	300.0	-3704.26	469.80	827.16	859.61	1.998e+05	8.104e+04
		2.916e+04	2.350e+05	0.02	0.0	0.0	-4248.68	-75.59	1090.27	-2069.55	-9.215e+04	2.916e+04
		6464.32	-9.215e+04	-0.05	0.0	300.0	-3573.68	-75.59	1090.27	-2069.55	2.350e+05	6464.32
43	45	1.135e+05	2.048e+05	-0.10	0.0	0.0	-4532.18	713.21	863.60	1379.63	-5.418e+04	-
1.005e+05												
		-1.005e+05	-5.418e+04	-0.03	0.0	300.0	-3857.18	713.21	863.60	1379.63	2.048e+05	1.135e+05



43	46	1.144e+05	1.693e+05	-0.10	0.0	0.0	-4400.84	721.31	600.80	2945.65	-1.084e+04	-
1.020e+05												
		-1.020e+05	-1.084e+04	0.05	0.0	300.0	-3725.84	721.31	600.80	2945.65	1.693e+05	1.144e+05
43	47	1.163e+05	2.227e+05	0.11	0.0	0.0	-3934.41	-606.46	1001.47	-2942.15	-7.792e+04	1.163e+05
6.569e+04												
		-6.569e+04	-7.792e+04	-0.04	0.0	300.0	-3259.41	-606.46	1001.47	-2942.15	2.227e+05	-
43	48	1.147e+05	1.871e+05	0.11	0.0	0.0	-3803.07	-598.36	738.67	-1376.13	-3.458e+04	1.147e+05
6.475e+04												
		-6.475e+04	-3.458e+04	0.03	0.0	300.0	-3128.07	-598.36	738.67	-1376.13	1.871e+05	-
43	59	4.215e+04	2.578e+05	0.04	0.0	0.0	-4296.87	-154.02	1259.81	-3256.55	-1.202e+05	4.215e+04
		-4085.98	-1.202e+05	-0.08	0.0	300.0	-3621.87	-154.02	1259.81	-3256.55	2.578e+05	-4085.98
43	69	2.436e+04	1.960e+05	-5.72e-03	0.0	0.0	-4167.63	57.42	801.14	1.75	-4.438e+04	7128.03
		7128.03	-4.438e+04	-0.03	0.0	300.0	-3492.63	57.42	801.14	1.75	1.960e+05	2.436e+04
43	70	2.502e+04	2.420e+05	-6.17e-03	0.0	0.0	-4798.54	53.88	995.98	5.42	-5.682e+04	8853.45
		8853.45	-5.682e+04	-0.03	0.0	300.0	-4123.54	53.88	995.98	5.42	2.420e+05	2.502e+04
43	71	2.436e+04	1.960e+05	-5.72e-03	0.0	0.0	-4167.63	57.42	801.14	1.75	-4.438e+04	7128.03
		7128.03	-4.438e+04	-0.03	0.0	300.0	-3492.63	57.42	801.14	1.75	1.960e+05	2.436e+04
43	72	2.449e+04	2.052e+05	-5.81e-03	0.0	0.0	-4293.81	56.72	840.10	2.48	-4.686e+04	7473.11
		7473.11	-4.686e+04	-0.03	0.0	300.0	-3618.81	56.72	840.10	2.48	2.052e+05	2.449e+04
Pilas.		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-1.369e+05	7.500e+05	-0.23	0.0		-1.572e+04	-891.14	-3281.43	-7739.21		
		1.346e+05	7.500e+05	0.23	0.0		-3127.37	877.84	3280.79	7694.92		
Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN	cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
3	2	5.126e+05	337.35	-0.36	-4856.32	0.0	-1482.28	4856.42	-0.34	-25.86	337.35	-
2.523e+05												
		-2.523e+05	230.16	-3.77e-04	0.0	315.0	-1482.28	0.10	-0.34	-25.86	230.16	1.26e+05
3	3	3.102e+05	196.79	-0.22	-2951.92	0.0	-881.95	2951.99	-0.21	-16.67	196.79	-
1.547e+05												
		-1.547e+05	129.88	-2.13e-04	0.0	315.0	-881.95	0.06	-0.21	-16.67	129.88	3.102e+05
3	12	3.141e+05	2.579e+04	-0.22	-2956.91	0.0	-884.65	2983.98	135.76	-1845.00	-1.739e+04	-
1.645e+05												
		-1.645e+05	-1.739e+04	-0.01	0.0	315.0	-884.65	27.08	135.76	-1845.00	2.579e+04	3.141e+05
3	30	3.119e+05	-7387.97	-0.22	-2956.91	0.0	-994.95	3103.56	37.00	154.88	-1.909e+04	-
1.989e+05												
		-1.989e+05	-1.909e+04	6.18e-03	0.0	315.0	-994.95	146.65	37.00	154.88	-7387.97	3.119e+05
3	31	3.095e+05	1.949e+04	-0.22	-2956.91	0.0	-771.76	2810.39	-37.42	-188.19	1.949e+04	-
1.111e+05												
		-1.111e+05	7648.25	-6.53e-03	0.0	315.0	-771.76	-146.52	-37.42	-188.19	7648.25	3.095e+05
3	33	3.079e+05	2.814e+04	-0.22	-2956.91	0.0	-788.41	2810.62	-113.22	1504.82	2.814e+04	-
1.112e+05												
		-1.112e+05	-7731.57	9.86e-03	0.0	315.0	-788.41	-146.29	-113.22	1504.82	-7731.57	3.079e+05
3	36	3.136e+05	7991.85	-0.22	-2956.91	0.0	-978.30	3103.33	112.79	-1538.13	-2.775e+04	-
1.987e+05												
		-1.987e+05	-2.775e+04	-0.01	0.0	315.0	-978.30	146.42	112.79	-1538.13	7991.85	3.136e+05
3	44	3.155e+05	4.023e+04	-0.22	-2956.91	0.0	-885.21	3002.79	212.42	-2825.95	-2.734e+04	-
1.704e+05												
		-1.704e+05	-2.734e+04	-0.02	0.0	315.0	-885.21	45.88	212.42	-2825.95	4.023e+04	3.155e+05
3	62	3.128e+05	-1.162e+04	-0.21	-2956.91	0.0	-1060.02	3188.83	59.96	228.65	-3.059e+04	-
2.246e+05												
		-2.246e+05	-3.059e+04	9.91e-03	0.0	315.0	-1060.02	231.92	59.96	228.65	-1.162e+04	3.128e+05
3	63	3.112e+05	3.098e+04	-0.22	-2956.91	0.0	-706.69	2725.11	-60.39	-261.96	3.098e+04	-
8.537e+04												
		-8.537e+04	1.188e+04	-0.01	0.0	315.0	-706.69	-231.79	-60.39	-261.96	1.188e+04	3.087e+05
3	65	3.091e+05	4.452e+04	-0.22	-2956.91	0.0	-733.08	2724.94	-178.88	2386.63	4.452e+04	-
8.551e+04												
		-8.551e+04	-1.216e+04	0.02	0.0	315.0	-733.08	-231.97	-178.88	2386.63	-1.216e+04	3.064e+05
3	68	3.151e+05	1.242e+04	-0.21	-2956.91	0.0	-1033.63	3189.00	178.45	-2419.94	-4.413e+04	-
2.244e+05												
		-2.244e+05	-4.413e+04	-0.02	0.0	315.0	-1033.63	232.10	178.45	-2419.94	1.242e+04	3.151e+05
3	69	3.107e+05	197.07	-0.22	-2956.91	0.0	-883.36	2956.97	-0.21	-16.66	197.07	-
1.550e+05												
		-1.550e+05	130.14	-2.14e-04	0.0	315.0	-883.36	0.06	-0.21	-16.66	130.14	3.107e+05
3	70	3.828e+05	250.99	-0.27	-3628.48	0.0	-1105.03	3628.55	-0.26	-19.47	250.99	-
1.887e+05												
		-1.887e+05	170.62	-2.80e-04	0.0	315.0	-1105.03	0.08	-0.26	-19.47	170.62	3.828e+05
3	71	3.107e+05	197.07	-0.22	-2956.91	0.0	-883.36	2956.97	-0.21	-16.66	197.07	-
1.550e+05												
		-1.550e+05	130.14	-2.14e-04	0.0	315.0	-883.36	0.06	-0.21	-16.66	130.14	3.107e+05
3	72	3.252e+05	207.86	-0.23	-3091.22	0.0	-927.69	3091.29	-0.22	-17.22	207.86	-
1.617e+05												
		-1.617e+05	138.23	-2.27e-04	0.0	315.0	-927.69	0.07	-0.22	-17.22	138.23	3.252e+05
4	2	1.006e+06	-153.53	-0.68	-2.102e+04	0.0	-2842.35	1.051e+04	-2.28e-03	7.57	-153.53	-



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2.840e+05												
	-2.840e+05	-1.60	-1.85e-05	0.0	630.0	-1801.43	-5593.86	0.04	1.04	25.66	-	
2.839e+05												
10	3 3.568e+05	15.06	-0.25	-6720.01	0.0	-1060.70	3360.08	0.03	0.73	-1.93	-	
1.724e+05												
	-1.724e+05	-1.93	-1.02e-05	0.0	630.0	-1060.70	-3359.93	0.03	0.73	15.06	-	
1.723e+05												
10	6 3.575e+05	4232.10	-0.25	-6732.01	0.0	-1143.35	3425.84	9.91	-649.23	-2052.87	-	
1.915e+05												
	-1.915e+05	-2052.87	-0.02	0.0	630.0	-1143.35	-3306.17	9.91	-649.23	4232.10	-	
1.538e+05												
10	13 3.575e+05	3998.79	-0.25	-6732.01	0.0	-1144.55	3306.14	-9.17	633.15	3998.79	-	
1.538e+05												
	-1.915e+05	-1820.95	0.02	0.0	630.0	-1144.55	-3425.87	-9.17	633.15	-1820.95	-	
1.915e+05												
10	16 3.575e+05	1851.08	-0.25	-6732.01	0.0	-980.14	3426.02	9.23	-631.70	-4002.59	-	
1.915e+05												
	-1.915e+05	-4002.59	-0.02	0.0	630.0	-980.14	-3305.99	9.23	-631.70	1851.08	-	
1.537e+05												
10	21 3.575e+05	1.653e+04	-0.25	-6732.01	0.0	-1088.45	3188.98	51.44	-352.62	-1.588e+04	-	
1.169e+05												
	-2.284e+05	-1.588e+04	-9.60e-03	0.0	630.0	-1088.45	-3543.03	51.44	-352.62	1.653e+04	-	
2.284e+05												
10	24 3.575e+05	1.588e+04	-0.25	-6732.01	0.0	-1036.24	3543.18	-51.38	354.07	1.588e+04	-	
2.284e+05												
	-2.284e+05	-1.650e+04	9.59e-03	0.0	630.0	-1036.24	-3188.83	-51.38	354.07	-1.650e+04	-	
1.168e+05												
10	28 3.575e+05	1.154e+04	-0.25	-6732.01	0.0	-1036.18	3546.88	-37.66	-56.80	1.154e+04	-	
2.296e+05												
	-2.296e+05	-1.217e+04	-4.55e-03	0.0	630.0	-1036.18	-3185.13	-37.66	-56.80	-1.217e+04	-	
1.156e+05												
10	45 3.575e+05	6334.00	-0.25	-6732.01	0.0	-1191.49	3270.79	-14.55	1004.86	6334.00	-	
1.426e+05												
	-2.026e+05	-2893.08	0.03	0.0	630.0	-1191.49	-3461.22	-14.55	1004.86	-2893.08	-	
2.026e+05												
10	48 3.575e+05	2923.21	-0.25	-6732.01	0.0	-933.19	3461.37	14.60	-1003.41	-6337.80	-	
2.027e+05												
	-2.027e+05	-6337.80	-0.03	0.0	630.0	-933.19	-3270.64	14.60	-1003.41	2923.21	-	
1.426e+05												
10	53 3.603e+05	2.626e+04	-0.25	-6732.01	0.0	-1103.11	3084.50	81.71	-560.48	-2.524e+04	-	
8.395e+04												
	-2.613e+05	-2.524e+04	-0.02	0.0	630.0	-1103.11	-3647.51	81.71	-560.48	2.626e+04	-	
2.613e+05												
10	56 3.603e+05	2.523e+04	-0.24	-6732.01	0.0	-1021.58	3647.66	-81.66	561.93	2.523e+04	-	
2.613e+05												
	-2.613e+05	-2.623e+04	0.02	0.0	630.0	-1021.58	-3084.35	-81.66	561.93	-2.623e+04	-	
8.389e+04												
10	60 3.606e+05	1.835e+04	-0.24	-6732.01	0.0	-1021.48	3653.54	-59.87	-90.44	1.835e+04	-	
2.632e+05												
	-2.632e+05	-1.935e+04	-7.32e-03	0.0	630.0	-1021.48	-3078.47	-59.87	-90.44	-1.935e+04	-	
8.204e+04												
10	69 3.575e+05	15.07	-0.25	-6732.01	0.0	-1062.34	3366.08	0.03	0.73	-1.90	-	
1.726e+05												
	-1.726e+05	-1.90	-1.02e-05	0.0	630.0	-1062.34	-3365.93	0.03	0.73	15.07	-	
1.726e+05												
10	70 4.453e+05	19.11	-0.31	-8348.25	0.0	-1341.51	4174.22	0.03	0.79	-1.34	-	
2.122e+05												
	-2.122e+05	-1.34	-1.37e-05	0.0	630.0	-1341.51	-4174.03	0.03	0.79	19.11	-	
2.121e+05												
10	71 3.575e+05	15.07	-0.25	-6732.01	0.0	-1062.34	3366.08	0.03	0.73	-1.90	-	
1.726e+05												
	-1.726e+05	-1.90	-1.02e-05	0.0	630.0	-1062.34	-3365.93	0.03	0.73	15.07	-	
1.726e+05												
10	72 3.751e+05	15.88	-0.26	-7055.26	0.0	-1118.17	3527.71	0.03	0.74	-1.79	-	
1.805e+05												
	-1.805e+05	-1.79	-1.09e-05	0.0	630.0	-1118.17	-3527.55	0.03	0.74	15.88	-	
1.805e+05												
11	2 1.171e+06	134.74	-0.79	-2.474e+04	0.0	-3279.26	1.237e+04	-0.17	7.70	134.74	-	
7.772e+05												
	-7.772e+05	28.25	-1.28e-04	0.0	630.0	-3279.26	-1.237e+04	-0.17	7.70	28.25	-	
7.772e+05												
11	3 6.745e+05	77.83	-0.45	-1.422e+04	0.0	-1879.25	7109.52	-0.10	4.92	77.83	-	
4.453e+05												
	-4.453e+05	12.31	-7.05e-05	0.0	630.0	-1879.25	-7109.58	-0.10	4.92	12.31	-	
4.453e+05												
11	13 6.759e+05	1.104e+04	-0.45	-1.425e+04	0.0	-1847.71	7081.08	-31.85	1014.22	1.104e+04	-	



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4.325e+05												
	-4.600e+05	-9109.72	0.02	0.0	630.0	-1847.71	-7168.64	-31.85	1014.22	-9109.72	-	
4.600e+05												
11	16 6.760e+05	9134.52	-0.45	-1.425e+04	0.0	-1918.13	7168.59	31.64	-1004.39	-1.089e+04	-	
4.599e+05												
	-4.599e+05	-1.089e+04	-0.02	0.0	630.0	-1918.13	-7081.14	31.64	-1004.39	9134.52	-	
4.324e+05												
11	19 6.760e+05	3337.49	-0.46	-1.425e+04	0.0	-1918.03	7027.07	13.24	-1069.62	-5090.41	-	
4.154e+05												
	-4.770e+05	-5090.41	-0.02	0.0	630.0	-1918.03	-7222.65	13.24	-1069.62	3337.49	-	
4.770e+05												
11	29 6.759e+05	7895.81	-0.46	-1.425e+04	0.0	-1872.23	6810.17	-24.09	-431.38	7895.81	-	
3.471e+05												
	-5.453e+05	-7253.22	-4.15e-03	0.0	630.0	-1872.23	-7439.55	-24.09	-431.38	-7253.22	-	
5.453e+05												
11	30 6.759e+05	1.230e+04	-0.45	-1.425e+04	0.0	-1872.55	7437.22	37.99	-199.04	-1.166e+04	-	
5.446e+05												
	-5.446e+05	-1.166e+04	-9.57e-03	0.0	630.0	-1872.55	-6812.50	37.99	-199.04	1.230e+04	-	
3.478e+05												
11	31 6.759e+05	1.181e+04	-0.46	-1.425e+04	0.0	-1893.29	6812.45	-38.20	208.87	1.181e+04	-	
3.478e+05												
	-5.446e+05	-1.227e+04	9.53e-03	0.0	630.0	-1893.29	-7437.28	-38.20	208.87	-1.227e+04	-	
5.446e+05												
11	49 6.759e+05	1.758e+04	-0.46	-1.425e+04	0.0	-1828.25	6981.17	-50.85	1600.49	1.758e+04	-	
4.010e+05												
	-4.915e+05	-1.458e+04	0.03	0.0	630.0	-1828.25	-7268.56	-50.85	1600.49	-1.458e+04	-	
4.915e+05												
11	52 6.760e+05	1.460e+04	-0.45	-1.425e+04	0.0	-1937.59	7268.51	50.64	-1590.66	-1.743e+04	-	
4.914e+05												
	-4.914e+05	-1.743e+04	-0.03	0.0	630.0	-1937.59	-6981.22	50.64	-1590.66	1.460e+04	-	
4.009e+05												
11	61 6.781e+05	1.249e+04	-0.46	-1.425e+04	0.0	-1866.33	6624.49	-38.19	-687.43	1.249e+04	-	
2.886e+05												
	-6.038e+05	-1.153e+04	-6.61e-03	0.0	630.0	-1866.33	-7625.23	-38.19	-687.43	-1.153e+04	-	
6.038e+05												
11	62 6.779e+05	1.952e+04	-0.45	-1.425e+04	0.0	-1866.81	7621.56	60.38	-319.31	-1.856e+04	-	
6.027e+05												
	-6.027e+05	-1.856e+04	-0.02	0.0	630.0	-1866.81	-6628.16	60.38	-319.31	1.952e+04	-	
2.898e+05												
11	63 6.780e+05	1.871e+04	-0.46	-1.425e+04	0.0	-1899.03	6628.11	-60.59	329.14	1.871e+04	-	
2.897e+05												
	-6.027e+05	-1.949e+04	0.02	0.0	630.0	-1899.03	-7621.62	-60.59	329.14	-1.949e+04	-	
6.027e+05												
11	67 6.781e+05	1.175e+04	-0.46	-1.425e+04	0.0	-1899.06	6624.53	-38.60	-674.38	1.175e+04	-	
2.886e+05												
	-6.038e+05	-1.253e+04	-6.33e-03	0.0	630.0	-1899.06	-7625.19	-38.60	-674.38	-1.253e+04	-	
6.038e+05												
11	69 6.759e+05	77.95	-0.45	-1.425e+04	0.0	-1882.92	7124.84	-0.10	4.92	77.95	-	
4.462e+05												
	-4.462e+05	12.40	-7.06e-05	0.0	630.0	-1882.92	-7124.89	-0.10	4.92	12.40	-	
4.462e+05												
11	70 8.700e+05	100.14	-0.58	-1.838e+04	0.0	-2434.78	9187.63	-0.13	5.79	100.14	-	
5.770e+05												
	-5.770e+05	20.43	-9.47e-05	0.0	630.0	-2434.78	-9187.69	-0.13	5.79	20.43	-	
5.770e+05												
11	71 6.759e+05	77.95	-0.45	-1.425e+04	0.0	-1882.92	7124.84	-0.10	4.92	77.95	-	
4.462e+05												
	-4.462e+05	12.40	-7.06e-05	0.0	630.0	-1882.92	-7124.89	-0.10	4.92	12.40	-	
4.462e+05												
11	72 7.147e+05	82.39	-0.48	-1.507e+04	0.0	-1993.29	7537.39	-0.11	5.09	82.39	-	
4.724e+05												
	-4.724e+05	14.00	-7.55e-05	0.0	630.0	-1993.29	-7537.45	-0.11	5.09	14.00	-	
4.724e+05												
12	1 7.617e+05	34.95	-0.52	-1.559e+04	0.0	-2199.27	7797.44	0.07	-5.36	-6.38	-	
4.663e+05												
	-4.664e+05	-6.38	-2.24e-05	0.0	630.0	-2199.27	-7797.49	0.07	-5.36	34.95	-	
4.664e+05												
12	2 1.007e+06	46.83	-0.68	-2.065e+04	0.0	-2928.72	1.032e+04	0.08	-6.67	-5.62	-	
6.184e+05												
	-6.184e+05	-5.62	-3.24e-05	0.0	630.0	-2928.72	-1.032e+04	0.08	-6.67	46.83	-	
6.184e+05												
12	3 5.837e+05	26.77	-0.40	-1.195e+04	0.0	-1686.14	5975.92	0.05	-4.11	-4.91	-	
3.574e+05												
	-3.574e+05	-4.91	-1.71e-05	0.0	630.0	-1686.14	-5975.96	0.05	-4.11	26.77	-	
3.574e+05												
12	6 5.850e+05	1.205e+04	-0.40	-1.198e+04	0.0	-1688.50	6056.87	37.97	-1087.68	-1.187e+04	-	



3.797e+05													
	-3.797e+05	-1.187e+04	-0.02	0.0	630.0	-1688.50	-5920.01	37.97	-1087.68	1.205e+04	-		
3.366e+05	7 5.850e+05	1.186e+04	-0.40	-1.198e+04	0.0	-1690.12	5919.97	-37.87	1079.44	1.186e+04	-		
3.366e+05			-3.798e+05	-1.200e+04	0.02	0.0	630.0	-1690.12	-6056.91	-37.87	1079.44	-1.200e+04	-
3.798e+05	12 27 5.850e+05	8740.55	-0.40	-1.198e+04	0.0	-1689.63	5744.90	-27.79	-225.62	8740.55	-		
2.815e+05			-4.349e+05	-8765.21	-7.40e-03	0.0	630.0	-1689.63	-6231.98	-27.79	-225.62	-8765.21	-
4.349e+05	12 30 5.850e+05	1.816e+04	-0.39	-1.198e+04	0.0	-1689.01	6177.30	57.56	-109.92	-1.810e+04	-		
4.177e+05			-4.177e+05	-1.810e+04	-0.01	0.0	630.0	-1689.01	-5799.58	57.56	-109.92	1.816e+04	-
2.987e+05	12 31 5.850e+05	1.809e+04	-0.40	-1.198e+04	0.0	-1689.60	5799.54	-57.46	101.68	1.809e+04	-		
2.987e+05			-4.177e+05	-1.811e+04	0.01	0.0	630.0	-1689.60	-6177.34	-57.46	101.68	-1.811e+04	-
4.177e+05	12 38 5.850e+05	1.912e+04	-0.40	-1.198e+04	0.0	-1688.03	6097.29	60.28	-1724.53	-1.886e+04	-		
3.924e+05			-3.924e+05	-1.886e+04	-0.03	0.0	630.0	-1688.03	-5879.59	60.28	-1724.53	1.912e+04	-
3.239e+05	12 39 5.850e+05	1.885e+04	-0.40	-1.198e+04	0.0	-1690.59	5879.55	-60.18	1716.29	1.885e+04	-		
3.239e+05			-3.925e+05	-1.907e+04	0.03	0.0	630.0	-1690.59	-6097.33	-60.18	1716.29	-1.907e+04	-
3.925e+05	12 58 5.855e+05	1.401e+04	-0.39	-1.198e+04	0.0	-1688.81	6375.60	44.34	347.68	-1.392e+04	-		
4.801e+05			-4.801e+05	-1.392e+04	0.01	0.0	630.0	-1688.81	-5601.27	44.34	347.68	1.401e+04	-
2.362e+05	12 59 5.855e+05	1.391e+04	-0.40	-1.198e+04	0.0	-1689.81	5601.23	-44.23	-355.92	1.391e+04	-		
2.362e+05			-4.802e+05	-1.396e+04	-0.01	0.0	630.0	-1689.81	-6375.65	-44.23	-355.92	-1.396e+04	-
4.802e+05	12 62 5.850e+05	2.886e+04	-0.39	-1.198e+04	0.0	-1688.84	6288.76	91.46	-172.11	-2.876e+04	-		
4.528e+05			-4.528e+05	-2.876e+04	-0.02	0.0	630.0	-1688.84	-5688.11	91.46	-172.11	2.886e+04	-
2.636e+05	12 63 5.850e+05	2.875e+04	-0.40	-1.198e+04	0.0	-1689.77	5688.07	-91.36	163.87	2.875e+04	-		
2.636e+05			-4.528e+05	-2.880e+04	0.02	0.0	630.0	-1689.77	-6288.80	-91.36	163.87	-2.880e+04	-
4.528e+05	12 69 5.850e+05	26.84	-0.40	-1.198e+04	0.0	-1689.31	5988.42	0.05	-4.12	-4.91	-		
3.582e+05			-3.582e+05	-4.91	-1.72e-05	0.0	630.0	-1689.31	-5988.46	0.05	-4.12	26.84	-
3.582e+05	12 70 7.488e+05	34.75	-0.51	-1.534e+04	0.0	-2175.61	7671.88	0.06	-4.99	-4.40	-		
4.595e+05			-4.595e+05	-4.40	-2.39e-05	0.0	630.0	-2175.61	-7671.93	0.06	-4.99	34.75	-
4.595e+05	12 71 5.850e+05	26.84	-0.40	-1.198e+04	0.0	-1689.31	5988.42	0.05	-4.12	-4.91	-		
3.582e+05			-3.582e+05	-4.91	-1.72e-05	0.0	630.0	-1689.31	-5988.46	0.05	-4.12	26.84	-
3.582e+05	12 72 6.177e+05	28.42	-0.42	-1.265e+04	0.0	-1786.57	6325.11	0.05	-4.29	-4.81	-		
3.784e+05			-3.785e+05	-4.81	-1.85e-05	0.0	630.0	-1786.57	-6325.15	0.05	-4.29	28.42	-
3.785e+05	14 2 9.596e+05	14.56	-0.65	-1.938e+04	0.0	-2819.11	9688.74	0.11	1.13	-54.00	-		
5.664e+05			-5.664e+05	-54.00	3.86e-05	0.0	630.0	-2819.11	-9688.82	0.11	1.13	14.56	-
5.664e+05	14 3 5.573e+05	10.72	-0.38	-1.125e+04	0.0	-1625.25	5625.25	0.07	0.83	-31.17	-		
3.286e+05			-3.287e+05	-31.17	2.08e-05	0.0	630.0	-1625.25	-5625.29	0.07	0.83	10.72	-
3.287e+05	14 6 5.585e+05	4033.00	-0.38	-1.127e+04	0.0	-1635.83	5695.63	13.40	-965.97	-4409.80	-		
3.478e+05			-3.478e+05	-4409.80	-0.02	0.0	630.0	-1635.83	-5578.16	13.40	-965.97	4033.00	-
3.108e+05	14 7 5.585e+05	4347.30	-0.38	-1.127e+04	0.0	-1620.71	5578.12	-13.26	967.63	4347.30	-		
3.108e+05			-3.478e+05	-4011.55	0.02	0.0	630.0	-1620.71	-5695.67	-13.26	967.63	-4011.55	-
3.478e+05	14 9 5.585e+05	1.356e+04	-0.38	-1.127e+04	0.0	-1635.81	5572.61	43.64	-1057.10	-1.394e+04	-		



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19	-1.117e+05	-1.963e+04	5.72e-03	0.0	285.0	-284.40	141.60	53.58	3.864e+04	-4560.215.048e+04	
49	9.090e+04	9464.93	-0.04	-855.00	0.0	190.43	463.39	29.65	3.830e+04	441.265.450e+04	
	5.450e+04	441.26	-0.01	0.0	285.0	190.43	-391.61	29.65	3.830e+04	9464.936.594e+04	
19	52	4.956e+04	-329.25	-0.02	-855.00	0.0	-335.67	996.92	-30.33	4.368e+04	-329.25 -
1.115e+05											
19	-1.115e+05	-9546.62	0.03	0.0	285.0	-335.67	141.92	-30.33	4.368e+04	-9546.624.956e+04	
62	6.310e+04	4.903e+04	-0.03	-855.00	0.0	-164.50	686.06	-202.51	5.186e+04	4.903e+04 -	
1.227e+04											
19	-1.227e+04	-9021.59	0.06	0.0	285.0	-164.50	-168.94	-202.51	5.186e+04	-9021.595.777e+04	
63	5.850e+04	8939.90	-0.03	-855.00	0.0	19.26	774.25	201.83	3.011e+04	-4.892e+04 -	
4.474e+04											
19	-4.474e+04	-4.892e+04	-0.05	0.0	285.0	19.26	-80.75	201.83	3.011e+04	8939.905.773e+04	
69	6.030e+04	56.00	-0.03	-855.00	0.0	-72.62	730.15	-0.34	4.099e+04	56.00 -	
2.851e+04											
19	-2.851e+04	-40.85	8.93e-03	0.0	285.0	-72.62	-124.85	-0.34	4.099e+04	-40.855.775e+04	
70	6.082e+04	84.02	-0.04	-855.00	0.0	-66.76	734.93	-0.48	5.471e+04	84.02 -	
2.917e+04											
19	-2.917e+04	-53.72	0.01	0.0	285.0	-66.76	-120.07	-0.48	5.471e+04	-53.725.845e+04	
71	6.030e+04	56.00	-0.03	-855.00	0.0	-72.62	730.15	-0.34	4.099e+04	56.00 -	
2.851e+04											
19	-2.851e+04	-40.85	8.93e-03	0.0	285.0	-72.62	-124.85	-0.34	4.099e+04	-40.855.775e+04	
72	6.039e+04	61.61	-0.03	-855.00	0.0	-71.45	731.11	-0.37	4.373e+04	61.61 -	
2.864e+04											
20	-2.864e+04	-43.42	9.53e-03	0.0	285.0	-71.45	-123.89	-0.37	4.373e+04	-43.425.789e+04	
1	7.847e+04	69.07	-0.04	-1111.50	0.0	-91.56	948.80	0.88	-5.340e+04	-180.61 -	
3.688e+04											
20	-3.688e+04	-180.61	-0.01	0.0	285.0	-91.56	-162.70	0.88	-5.340e+04	69.077.514e+04	
2	7.926e+04	91.81	-0.05	-1111.50	0.0	-82.33	955.91	1.20	-7.397e+04	-251.01 -	
3.784e+04											
20	-3.784e+04	-251.01	-0.02	0.0	285.0	-82.33	-155.59	1.20	-7.397e+04	91.817.621e+04	
4	6.114e+04	75.72	-0.04	-855.00	0.0	-61.87	737.08	1.00	-6.147e+04	-208.74 -	
2.938e+04											
20	-2.938e+04	-208.74	-0.01	0.0	285.0	-61.87	-117.92	1.00	-6.147e+04	75.725.885e+04	
8	5.324e+04	1.238e+04	-0.03	-855.00	0.0	-207.50	897.90	-33.40	-3.950e+04	1.238e+04 -	
8.076e+04											
20	-8.076e+04	2980.54	-6.12e-03	0.0	285.0	-207.50	42.90	-33.40	-3.950e+04	2980.545.324e+04	
10	7.700e+04	-475.20	-0.04	-855.00	0.0	98.12	561.90	-18.12	-3.930e+04	-475.202.389e+04	
	2.389e+04	-6015.98	4.13e-03	0.0	285.0	98.12	-293.10	-18.12	-3.930e+04	-6015.986.294e+04	
20	11	5.266e+04	6122.10	-0.03	-855.00	0.0	-239.55	897.91	19.47	-4.269e+04	197.85 -
8.067e+04											
20	-8.067e+04	197.85	-0.02	0.0	285.0	-239.55	42.91	19.47	-4.269e+04	6122.105.266e+04	
33	6.212e+04	5671.51	-0.03	-855.00	0.0	-126.34	701.87	127.83	-4.785e+04	-3.097e+04 -	
1.816e+04											
20	-1.816e+04	-3.097e+04	-0.04	0.0	285.0	-126.34	-153.13	127.83	-4.785e+04	5671.515.788e+04	
36	5.901e+04	3.069e+04	-0.03	-855.00	0.0	-15.09	757.94	-126.48	-3.414e+04	3.069e+04 -	
3.861e+04											
20	-3.861e+04	-5565.39	0.03	0.0	285.0	-15.09	-97.06	-126.48	-3.414e+04	-5565.395.772e+04	
40	5.057e+04	1.938e+04	-0.02	-855.00	0.0	-283.56	996.80	-52.88	-3.864e+04	1.938e+04 -	
1.116e+05											
20	-1.116e+05	4535.54	-5.73e-03	0.0	285.0	-283.56	141.80	-52.88	-3.864e+04	4535.545.057e+04	
42	9.101e+04	-384.36	-0.04	-855.00	0.0	193.00	462.82	-29.62	-3.830e+04	-384.365.473e+04	
	5.473e+04	-9422.25	0.01	0.0	285.0	193.00	-392.18	-29.62	-3.830e+04	-9422.256.594e+04	
20	43	4.965e+04	9528.36	-0.02	-855.00	0.0	-334.43	996.99	30.97	-4.369e+04	107.01 -
1.115e+05											
20	-1.115e+05	107.01	-0.03	0.0	285.0	-334.43	141.99	30.97	-4.369e+04	9528.364.965e+04	
65	6.325e+04	9039.41	-0.03	-855.00	0.0	-162.64	685.32	202.70	-5.188e+04	-4.907e+04 -	
1.213e+04											
20	-1.213e+04	-4.907e+04	-0.06	0.0	285.0	-162.64	-169.68	202.70	-5.188e+04	9039.415.792e+04	
68	5.845e+04	4.879e+04	-0.03	-855.00	0.0	21.21	774.48	-201.36	-3.011e+04	4.879e+04 -	
4.464e+04											
20	-4.464e+04	-8933.29	0.05	0.0	285.0	21.21	-80.52	-201.36	-3.011e+04	-8933.295.767e+04	
69	6.035e+04	53.06	-0.03	-855.00	0.0	-70.72	729.90	0.67	-4.099e+04	-138.68 -	
2.839e+04											
20	-2.839e+04	-138.68	-9.13e-03	0.0	285.0	-70.72	-125.10	0.67	-4.099e+04	53.065.780e+04	
70	6.088e+04	68.22	-0.04	-855.00	0.0	-64.57	734.64	0.89	-5.471e+04	-185.61 -	
2.903e+04											
20	-2.903e+04	-185.61	-0.01	0.0	285.0	-64.57	-120.36	0.89	-5.471e+04	68.225.851e+04	
71	6.035e+04	53.06	-0.03	-855.00	0.0	-70.72	729.90	0.67	-4.099e+04	-138.68 -	
2.839e+04											
20	-2.839e+04	-138.68	-9.13e-03	0.0	285.0	-70.72	-125.10	0.67	-4.099e+04	53.065.780e+04	
72	6.045e+04	56.09	-0.03	-855.00	0.0	-69.49	730.85	0.72	-4.374e+04	-148.06 -	
2.852e+04											
21	-2.852e+04	-148.06	-9.73e-03	0.0	285.0	-69.49	-124.15	0.72	-4.374e+04	56.095.794e+04	
1	6.197e+04	-25.80	-0.02	-1170.00	0.0	-74.42	1209.96	0.64	-1.363e+04	-216.53 -	
1.255e+05											
	-1.255e+05	-216.53	-3.09e-03	0.0	300.0	-74.42	39.96	0.64	-1.363e+04	-25.806.197e+04	



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21 1.229e+05	2	6.238e+04	-37.97	-0.02	-1170.00	0.0	-69.01	1202.77	0.88	-1.886e+04	-301.08	-	
21 9.654e+04	3	-1.229e+05 4.767e+04	-301.08 -19.74	-4.27e-03 -0.02	0.0 -900.00	300.0 0.0	-69.01 -57.95	32.77 930.72	0.88	-1.886e+04 0.49	-37.97 -1.044e+04	6.238e+04 -165.84	-
21 9.397e+04	4	-9.654e+04 4.809e+04	-165.84 -31.90	-2.36e-03 -0.02	0.0 -900.00	300.0 0.0	-57.95 -52.54	30.72 923.54	0.49	-1.044e+04 0.73	-19.74 -1.566e+04	4.767e+04 -250.39	-
21 1.310e+05	20	-9.397e+04 4.866e+04	-250.39 1483.48	-3.54e-03 -0.02	0.0 -900.00	300.0 0.0	-52.54 -37.86	23.54 1048.39	0.73	-1.566e+04 -19.65	-31.90 -1.115e+04	4.809e+04 1483.48	-
21 8.796e+04	34	-1.310e+05 4.828e+04	-2290.88 -1.112e+04	-8.51e-03 -0.02	0.0 -900.00	300.0 0.0	-37.86 -176.26	148.39 903.02	-19.65	-1.115e+04 -11.09	-2290.88 -1.298e+04	4.866e+04 -1.464e+04	-
21 1.051e+05	35	-8.796e+04 4.706e+04	-1.464e+04 1.431e+04	-9.59e-03 -0.02	0.0 -900.00	300.0 0.0	-176.26 61.15	3.02 958.44	-11.09	-1.298e+04 12.07	-1.112e+04 -7949.61	4.828e+04 1.431e+04	-
21 1.083e+05	36	-1.051e+05 4.872e+04	1.108e+04 -1.054e+04	4.85e-03 -0.02	0.0 -900.00	300.0 0.0	61.15 -145.81	58.44 972.36	12.07	-7949.61 -20.26	1.108e+04 -1.294e+04	4.706e+04 -1.134e+04	-
21 4.231e+04	46	-1.083e+05 5.056e+04	-1.134e+04 -4240.19	-0.01 -0.02	0.0 -900.00	300.0 0.0	-145.81 -163.17	72.36 745.16	-20.26	-1.294e+04 10.97	-1.054e+04 -9266.77	4.872e+04 -4680.40	-
21 1.513e+05	52	-4.231e+04 4.925e+04	-4680.40 2425.69	6.22e-03 -0.02	0.0 -900.00	300.0 0.0	-163.17 -29.27	-154.84 1117.79	10.97	-9266.77 -31.47	-4240.19 -1.156e+04	4.678e+04 2425.69	-
21 8.289e+04	66	-1.513e+05 4.863e+04	-3654.82 -1.767e+04	-0.01 -0.02	0.0 -900.00	300.0 0.0	-29.27 -245.27	217.79 886.66	-31.47	-1.156e+04 -17.92	-3654.82 -1.447e+04	4.925e+04 -2.317e+04	-
21 1.102e+05	67	-8.289e+04 4.671e+04	-2.317e+04 2.283e+04	-0.01 -0.02	0.0 -900.00	300.0 0.0	-245.27 130.16	-13.34 974.80	-17.92	-1.447e+04 18.90	-1.767e+04 -6464.86	4.863e+04 2.283e+04	-
21 9.655e+04	69	-1.102e+05 4.767e+04	1.763e+04 -19.80	9.11e-03 -0.02	0.0 -900.00	300.0 0.0	130.16 -57.55	74.80 930.73	18.90	-6464.86 0.49	1.763e+04 -1.047e+04	4.671e+04 -166.25	-
21 9.483e+04	70	-9.655e+04 4.795e+04	-166.25 -27.91	-2.37e-03 -0.02	0.0 -900.00	300.0 0.0	-57.55 -53.94	30.73 925.94	0.49	-1.047e+04 0.65	-19.80 -1.395e+04	4.767e+04 -222.61	-
21 9.655e+04	71	-9.483e+04 4.767e+04	-222.61 -19.80	-3.16e-03 -0.02	0.0 -900.00	300.0 0.0	-53.94 -57.55	25.94 930.73	0.65	-1.395e+04 0.49	-27.91 -1.047e+04	4.795e+04 -166.25	-
21 9.621e+04	72	-9.655e+04 4.772e+04	-166.25 -21.42	-2.37e-03 -0.02	0.0 -900.00	300.0 0.0	-57.55 -56.83	30.73 929.77	0.49	-1.047e+04 0.52	-19.80 -1.116e+04	4.767e+04 -177.52	-
22 8.996e+04	1	-9.621e+04 2.545e+04	-177.52 -9.84	-2.53e-03 -4.35e-03	0.0 -1911.00	300.0 0.0	-56.83 -24.79	29.77 948.82	0.52	-1.116e+04 0.04	-21.42 -3412.76	4.772e+04 -28.92	-
22 9.324e+04		-9.324e+04	-28.92	-1.20e-03	0.0	490.0	-24.79	-962.18	0.04	-3412.76	-9.84	-	
22 9.144e+04	2	2.478e+04	-9.72	-4.31e-03	-1911.00	0.0	-20.63	952.10	0.07	-4730.68	-45.97	-	
22 9.310e+04		-9.310e+04	-45.97	-1.67e-03	0.0	490.0	-20.63	-958.90	0.07	-4730.68	-9.72	-	
22 7.067e+04	4	1.891e+04	-7.42	-3.30e-03	-1470.00	0.0	-15.56	733.13	0.06	-3931.44	-39.15	-	
22 7.159e+04		-7.159e+04	-39.15	-1.39e-03	0.0	490.0	-15.56	-736.87	0.06	-3931.44	-7.42	-	
22 2.993e+04	9	2.391e+04	-427.02	-4.52e-03	-1470.00	0.0	-169.86	569.12	-28.48	-1323.16	-427.02	-	
22 1.112e+05		-1.112e+05	-7151.56	3.94e-03	0.0	490.0	-169.86	-900.88	-28.48	-1323.16	-7151.56	-	
22 2.929e+04	10	2.412e+04	6879.93	-4.52e-03	-1470.00	0.0	-122.94	566.77	2.06	-4104.90	6879.93	-	
22 1.117e+05		-1.117e+05	618.70	-8.63e-03	0.0	490.0	-122.94	-903.23	2.06	-4104.90	618.70	-	
22 1.085e+05	12	2.329e+04	7136.44	-4.08e-03	-1470.00	0.0	131.15	890.59	28.54	-3917.07	382.65	-	
22 3.225e+04		-1.085e+05	382.65	-4.98e-03	0.0	490.0	131.15	-579.41	28.54	-3917.07	7136.44	-	
22 5.840e+04	29	1.987e+04	-1.123e+04	-3.56e-03	-1470.00	0.0	-135.66	685.21	-54.83	1987.94	-1.123e+04	-	
22 8.274e+04		-8.274e+04	-1.394e+04	0.02	0.0	490.0	-135.66	-784.79	-54.83	1987.94	-1.394e+04	-	
22 8.001e+04	32	1.969e+04	1.392e+04	-3.27e-03	-1470.00	0.0	96.95	774.51	54.89	-7228.17	1.118e+04	-	
		-8.001e+04	1.118e+04	-0.02	0.0	490.0	96.95	-695.49	54.89	-7228.17	1.392e+04	-	



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6.070e+04	22	41	3.002e+04	-671.01	-5.73e-03	-1470.00	0.0	-258.59	474.30	-45.26	-557.89	-671.01	-6765.66
			-1.345e+05	-1.136e+04	6.58e-03	0.0	490.0	-258.59	-995.70	-45.26	-557.89	-1.136e+04	-
1.345e+05	22	42	3.035e+04	1.094e+04	-5.72e-03	-1470.00	0.0	-184.14	470.55	3.27	-4980.57	1.094e+04	-5743.04
			-1.353e+05	994.32	-0.01	0.0	490.0	-184.14	-999.45	3.27	-4980.57	994.32	-
1.353e+05	22	43	3.043e+04	-1009.44	-5.30e-03	-1470.00	0.0	145.43	989.16	-3.21	-259.67	-1.098e+04	-
1.327e+05	22	44	-1.327e+05	-1.098e+04	0.01	0.0	490.0	145.43	-480.84	-3.21	-259.67	-1009.44	-8097.40
			3.018e+04	1.134e+04	-5.12e-03	-1470.00	0.0	219.88	985.42	45.32	-4682.35	626.64	-
1.316e+05	22	61	-1.316e+05	626.64	-7.60e-03	0.0	490.0	219.88	-484.58	45.32	-4682.35	1.134e+04	-8956.68
			2.021e+04	-1.783e+04	-3.73e-03	-1470.00	0.0	-204.05	658.86	-87.15	4706.29	-1.783e+04	-
5.202e+04	22	64	-8.925e+04	-2.214e+04	0.03	0.0	490.0	-204.05	-811.14	-87.15	4706.29	-2.214e+04	-
8.925e+04	22	64	2.021e+04	2.213e+04	-3.31e-03	-1470.00	0.0	165.34	800.85	87.21	-9946.52	1.778e+04	-
8.638e+04	22	69	-8.638e+04	1.778e+04	-0.03	0.0	490.0	165.34	-669.15	87.21	-9946.52	2.213e+04	-
5.420e+04	22	69	1.958e+04	-7.56	-3.35e-03	-1470.00	0.0	-19.35	729.86	0.03	-2620.12	-22.18	-
6.920e+04	22	70	-7.172e+04	-22.18	-9.18e-04	0.0	490.0	-19.35	-740.14	0.03	-2620.12	-7.56	-
7.172e+04	22	70	1.913e+04	-7.47	-3.32e-03	-1470.00	0.0	-16.58	732.04	0.05	-3498.74	-33.55	-
7.018e+04	22	71	-7.163e+04	-33.55	-1.23e-03	0.0	490.0	-16.58	-737.96	0.05	-3498.74	-7.47	-
7.163e+04	22	71	1.958e+04	-7.56	-3.35e-03	-1470.00	0.0	-19.35	729.86	0.03	-2620.12	-22.18	-
6.920e+04	22	71	-7.172e+04	-22.18	-9.18e-04	0.0	490.0	-19.35	-740.14	0.03	-2620.12	-7.56	-
7.172e+04	22	72	1.949e+04	-7.54	-3.34e-03	-1470.00	0.0	-18.80	730.29	0.03	-2795.84	-24.46	-
6.940e+04	22	72	-7.170e+04	-24.46	-9.81e-04	0.0	490.0	-18.80	-739.71	0.03	-2795.84	-7.54	-
7.170e+04	23	1	6.195e+04	260.77	-0.02	-1170.00	0.0	-72.62	1210.05	-0.70	1.363e+04	260.77	-
1.256e+05	23	2	-1.256e+05	50.02	3.06e-03	0.0	300.0	-72.62	40.05	-0.70	1.363e+04	50.02	6.195e+04
			6.237e+04	358.14	-0.02	-1170.00	0.0	-66.93	1202.88	-0.97	1.885e+04	358.14	-
1.230e+05	23	3	-1.230e+05	68.30	4.24e-03	0.0	300.0	-66.93	32.88	-0.97	1.885e+04	68.30	6.237e+04
			4.766e+04	199.79	-0.02	-900.00	0.0	-56.56	930.79	-0.54	1.044e+04	199.79	-
9.657e+04	23	4	-9.657e+04	38.32	2.35e-03	0.0	300.0	-56.56	30.79	-0.54	1.044e+04	38.32	4.766e+04
			4.808e+04	297.16	-0.02	-900.00	0.0	-50.87	923.62	-0.80	1.566e+04	297.16	-
9.401e+04	23	11	-9.401e+04	56.61	3.52e-03	0.0	300.0	-50.87	23.62	-0.80	1.566e+04	56.61	4.808e+04
			4.865e+04	2314.90	-0.02	-900.00	0.0	-36.48	1048.80	19.98	1.116e+04	-1562.08	-
1.311e+05	23	29	-1.311e+05	-1562.08	8.49e-03	0.0	300.0	-36.48	148.80	19.98	1.116e+04	2314.90	4.865e+04
			4.826e+04	1.470e+04	-0.02	-900.00	0.0	-175.77	902.95	10.88	1.298e+04	1.470e+04	-
8.795e+04	23	31	-8.795e+04	1.114e+04	9.57e-03	0.0	300.0	-175.77	2.95	10.88	1.298e+04	1.114e+04	4.826e+04
			4.871e+04	1.134e+04	-0.02	-900.00	0.0	-145.18	972.50	20.29	1.294e+04	1.134e+04	-
1.084e+05	23	32	-1.084e+05	1.056e+04	0.01	0.0	300.0	-145.18	72.50	20.29	1.294e+04	1.056e+04	4.871e+04
			4.706e+04	-1.107e+04	-0.02	-900.00	0.0	63.44	958.65	-11.96	7950.80	-1.430e+04	-
1.052e+05	23	37	-1.052e+05	-1.430e+04	-4.87e-03	0.0	300.0	63.44	58.65	-11.96	7950.80	-1.107e+04	4.706e+04
			5.059e+04	4899.03	-0.02	-900.00	0.0	-161.84	744.68	-11.66	9249.57	4899.03	-
4.218e+04	23	43	-4.218e+04	4250.73	-6.24e-03	0.0	300.0	-161.84	-155.32	-11.66	9249.57	4250.73	4.678e+04
			4.923e+04	3681.38	-0.02	-900.00	0.0	-27.87	1118.40	32.02	1.157e+04	-2572.32	-
1.514e+05	23	61	-1.514e+05	-2572.32	0.01	0.0	300.0	-27.87	218.40	32.02	1.157e+04	3681.38	4.923e+04
			4.861e+04	2.324e+04	-0.02	-900.00	0.0	-245.30	886.51	17.62	1.446e+04	2.324e+04	-
8.286e+04	23	64	-8.286e+04	1.769e+04	0.01	0.0	300.0	-245.30	-13.49	17.62	1.446e+04	1.769e+04	4.861e+04
			4.671e+04	-1.761e+04	-0.02	-900.00	0.0	132.97	975.10	-18.70	6467.97	-2.284e+04	-
1.103e+05	23	69	-1.103e+05	-2.284e+04	-9.13e-03	0.0	300.0	132.97	75.10	-18.70	6467.97	-1.761e+04	4.671e+04
			4.766e+04	200.24	-0.02	-900.00	0.0	-56.16	930.80	-0.54	1.046e+04	200.24	-
9.658e+04	23	69	-9.658e+04	38.41	2.35e-03	0.0	300.0	-56.16	30.80	-0.54	1.046e+04	38.41	4.766e+04



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7.171e+04 25	1	2.248e+04	263.11	8.82e-03	-1638.00	0.0	-9.30	915.82	-1.67	4.138e+04	263.11	-
8.499e+04		-8.499e+04	-439.24	0.01	0.0	420.0	-9.30	-722.18	-1.67	4.138e+04	-439.24	-
4.433e+04 25	2	2.092e+04	369.72	0.01	-1638.00	0.0	1.02	896.88	-2.34	5.733e+04	369.72	-
8.201e+04		-8.201e+04	-612.26	0.02	0.0	420.0	1.02	-741.12	-2.34	5.733e+04	-612.26	-
4.930e+04 25	4	1.575e+04	308.08	0.01	-1260.00	0.0	2.45	685.70	-1.95	4.763e+04	308.08	-
6.242e+04		-6.242e+04	-509.40	0.02	0.0	420.0	2.45	-574.30	-1.95	4.763e+04	-509.40	-
3.903e+04 25	5	2.039e+04	8836.56	6.82e-03	-1260.00	0.0	-314.89	521.38	-48.06	3.270e+04	8836.56	-
2.453e+04		-7.015e+04	-1.141e+04	0.02	0.0	420.0	-314.89	-738.62	-48.06	3.270e+04	-1.141e+04	-
7.015e+04 25	8	2.503e+04	1.074e+04	6.94e-03	-1260.00	0.0	299.96	887.71	45.49	3.085e+04	-8432.57	-
1.063e+05		-1.063e+05	-8432.57	2.83e-03	0.0	420.0	299.96	-372.29	45.49	3.085e+04	1.074e+04	1982.41
1.062e+05	11	2.508e+04	1613.18	6.70e-03	-1260.00	0.0	253.50	887.60	2.45	3.311e+04	603.26	-
25		-1.062e+05	603.26	0.02	0.0	420.0	253.50	-372.40	2.45	3.311e+04	1613.18	2018.52
1.062e+05	29	1.720e+04	1.610e+04	6.21e-03	-1260.00	0.0	-167.16	653.31	-79.89	3.545e+04	1.610e+04	-
5.385e+04		-5.385e+04	-1.753e+04	0.03	0.0	420.0	-167.16	-606.69	-79.89	3.545e+04	-1.753e+04	-
4.406e+04 25	32	1.805e+04	1.685e+04	7.33e-03	-1260.00	0.0	152.23	755.78	77.33	2.809e+04	-1.569e+04	-
7.693e+04		-7.693e+04	-1.569e+04	-0.01	0.0	420.0	152.23	-504.22	77.33	2.809e+04	1.685e+04	-
2.411e+04 25	37	2.804e+04	1.390e+04	7.24e-03	-1260.00	0.0	-493.26	413.36	-75.46	3.325e+04	1.390e+04	-425.27
9.142e+04 25		-9.142e+04	-1.789e+04	0.02	0.0	420.0	-493.26	-846.64	-75.46	3.325e+04	-1.789e+04	-
1.304e+05	40	3.479e+04	1.722e+04	7.04e-03	-1260.00	0.0	478.33	995.73	72.89	3.030e+04	-1.350e+04	-
1.302e+05		-1.304e+05	-1.350e+04	-3.59e-03	0.0	420.0	478.33	-264.27	72.89	3.030e+04	1.722e+04	2.325e+04
1.302e+05	43	3.487e+04	2729.15	6.66e-03	-1260.00	0.0	404.59	995.57	4.54	3.389e+04	853.54	-
25		-1.302e+05	853.54	0.02	0.0	420.0	404.59	-264.43	4.54	3.389e+04	2729.15	2.331e+04
4.704e+04	61	1.766e+04	2.543e+04	5.88e-03	-1260.00	0.0	-260.33	623.07	-126.05	3.761e+04	2.543e+04	-
4.994e+04 25		-4.994e+04	-2.762e+04	0.05	0.0	420.0	-260.33	-636.93	-126.05	3.761e+04	-2.762e+04	-
8.374e+04	64	1.850e+04	2.694e+04	7.66e-03	-1260.00	0.0	245.40	786.02	123.48	2.593e+04	-2.503e+04	-
1.822e+04 25		-8.374e+04	-2.503e+04	-0.03	0.0	420.0	245.40	-473.98	123.48	2.593e+04	2.694e+04	-
6.539e+04	69	1.730e+04	201.99	6.77e-03	-1260.00	0.0	-7.47	704.55	-1.28	3.177e+04	201.99	-
3.408e+04 25		-6.539e+04	-337.23	0.01	0.0	420.0	-7.47	-555.45	-1.28	3.177e+04	-337.23	-
6.340e+04	70	1.626e+04	273.07	8.97e-03	-1260.00	0.0	-0.58	691.92	-1.73	4.240e+04	273.07	-
3.739e+04 25		-6.340e+04	-452.57	0.01	0.0	420.0	-0.58	-568.08	-1.73	4.240e+04	-452.57	-
6.539e+04	71	1.730e+04	201.99	6.77e-03	-1260.00	0.0	-7.47	704.55	-1.28	3.177e+04	201.99	-
3.408e+04 25		-6.539e+04	-337.23	0.01	0.0	420.0	-7.47	-555.45	-1.28	3.177e+04	-337.23	-
6.499e+04	72	1.709e+04	216.21	7.21e-03	-1260.00	0.0	-6.09	702.02	-1.37	3.390e+04	216.21	-
3.474e+04 26		-6.499e+04	-360.29	0.01	0.0	420.0	-6.09	-557.98	-1.37	3.390e+04	-360.29	-
1.068e+05	1	7.150e+04	62.60	-0.04	-1170.00	0.0	-78.83	1179.40	0.43	2145.80	-66.46	-
1.069e+05		-1.068e+05	-66.46	4.17e-04	0.0	300.0	-78.83	9.40	0.43	2145.80	62.60	7.150e+04
26	2	7.236e+04	86.78	-0.04	-1170.00	0.0	-72.30	1182.55	0.59	2983.31	-88.74	-
1.069e+05		-1.069e+05	-88.74	5.78e-04	0.0	300.0	-72.30	12.55	0.59	2983.31	86.78	7.236e+04
8.225e+04 26	4	5.585e+04	72.13	-0.03	-900.00	0.0	-54.78	910.35	0.48	2480.73	-73.22	-
4.778e+04		-8.225e+04	-73.22	4.80e-04	0.0	300.0	-54.78	10.35	0.48	2480.73	72.13	5.585e+04
26	5	5.660e+04	3377.94	-0.03	-900.00	0.0	-264.58	790.57	-0.35	1638.85	3119.27	-
4.778e+04		-4.778e+04	3119.27	-3.18e-03	0.0	300.0	-264.58	-109.43	-0.35	1638.85	3377.94	5.470e+04



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26 1.166e+05	8	5.529e+04	-3221.36	-0.03	-900.00	0.0	142.73	1023.86	1.01	1655.96	-3221.36	-
26 4.765e+04	10	-1.166e+05 5.682e+04	-3281.81 6452.02	3.72e-03 -0.03	0.0 -900.00	300.0 0.0	142.73 -199.38	123.86 789.50	1.01 -29.20	1655.96 1166.83	-3281.81 6452.02	5.529e+04 -
26 1.167e+05	11	-4.765e+04 5.506e+04	-2346.25 2442.39	1.20e-03 -0.03	0.0 -900.00	300.0 0.0	-199.38 77.52	-110.50 1024.93	-29.20 29.86	1166.83 2127.98	-2346.25 2127.98	5.493e+04 -
26 7.441e+04	25	-1.167e+05 5.547e+04	-6554.11 1.010e+04	6.60e-04 -0.03	0.0 -900.00	300.0 0.0	77.52 -199.56	124.93 879.33	29.86 55.74	2127.98 508.93	2442.39 508.93	5.506e+04 -
26 8.993e+04	28	-7.441e+04 5.454e+04	-6798.02 6695.94	-0.01 -0.03	0.0 -900.00	300.0 0.0	-199.56 77.71	-20.67 935.10	55.74 -55.08	508.93 2785.88	1.010e+04 6695.94	5.545e+04 -
26 2.751e+04	37	-8.993e+04 5.971e+04	-1.001e+04 5331.64	0.01 -0.03	0.0 -900.00	300.0 0.0	77.71 -384.16	35.10 721.87	-55.08 -0.70	2785.88 1630.05	-1.001e+04 4976.53	5.454e+04 -
26 1.368e+05	40	-2.751e+04 5.548e+04	4976.53 -5078.62	-5.21e-03 -0.03	0.0 -900.00	300.0 0.0	-384.16 262.30	-178.13 1092.56	-0.70 1.36	1630.05 1664.76	5331.64 -5078.62	5.451e+04 -
26 2.728e+04	42	-1.368e+05 6.006e+04	-5235.51 1.027e+04	5.74e-03 -0.03	0.0 -900.00	300.0 0.0	262.30 -280.63	192.56 720.06	1.36 -46.54	1664.76 879.08	-5235.51 1.027e+04	5.548e+04 -
26 1.371e+05	43	-2.728e+04 5.510e+04	-3765.68 3861.81	1.73e-03 -0.03	0.0 -900.00	300.0 0.0	-280.63 158.77	-179.94 1094.37	-46.54 47.20	879.08 2415.73	-3765.68 -1.037e+04	5.490e+04 -
26 6.989e+04	57	-1.371e+05 5.583e+04	-1.037e+04 1.603e+04	-1.09e-03 -0.03	0.0 -900.00	300.0 0.0	158.77 -280.20	194.37 863.31	47.20 88.36	2415.73 -162.52	3861.81 -1.076e+04	5.510e+04 -
26 9.444e+04	60	-6.989e+04 5.433e+04	-1.076e+04 1.066e+04	-0.02 -0.03	0.0 -900.00	300.0 0.0	-280.20 158.34	-36.69 951.12	88.36 -87.70	-162.52 3457.33	1.603e+04 1.066e+04	5.566e+04 -
26 8.217e+04	69	-9.444e+04 5.500e+04	-1.594e+04 48.07	0.02 -0.03	0.0 -900.00	300.0 0.0	158.34 -60.93	51.12 907.21	-87.70 0.33	3457.33 1647.40	-1.594e+04 -51.04	5.433e+04 -
26 8.223e+04	70	-8.217e+04 5.557e+04	-51.04 64.18	3.20e-04 -0.03	0.0 -900.00	300.0 0.0	-60.93 -56.58	7.21 909.32	0.33 0.43	1647.40 2205.74	48.07 -65.90	5.500e+04 -
26 8.217e+04	71	-8.223e+04 5.500e+04	-65.90 48.07	4.27e-04 -0.03	0.0 -900.00	300.0 0.0	-56.58 -60.93	9.32 907.21	0.43 0.33	2205.74 1647.40	64.18 -51.04	5.557e+04 -
26 8.218e+04	72	-8.217e+04 5.511e+04	-51.04 51.29	3.20e-04 -0.03	0.0 -900.00	300.0 0.0	-60.93 -60.06	7.21 907.63	0.33 0.35	1647.40 1759.07	48.07 -54.01	5.500e+04 -
27 1.068e+05	1	-8.218e+04 7.148e+04	-54.01 58.27	3.41e-04 -0.04	0.0 -1170.00	300.0 0.0	-60.06 -80.77	7.63 1179.37	0.35 -0.43	1759.07 -2142.87	51.29 58.27	5.511e+04 -
27 1.069e+05	2	-1.068e+05 7.233e+04	-70.55 78.09	-3.79e-04 -0.04	0.0 -1170.00	300.0 0.0	-80.77 -74.55	9.37 1182.51	-0.43 -0.58	-2142.87 -2979.56	-70.55 78.09	5.148e+04 -
27 8.227e+04	4	-1.069e+05 5.583e+04	-96.81 64.50	-5.30e-04 -0.03	0.0 -900.00	300.0 0.0	-74.55 -56.59	12.51 910.32	-0.58 -0.48	-2979.56 -2477.66	-96.81 64.50	7.233e+04 -
27 4.787e+04	14	-8.227e+04 5.658e+04	-80.29 -3023.29	-4.41e-04 -0.03	0.0 -900.00	300.0 0.0	-56.59 -264.84	10.32 790.82	-0.48 -0.02	-2477.66 -1636.93	-80.29 -3023.29	5.658e+04 -
27 1.165e+05	15	-4.787e+04 5.528e+04	-3379.33 3271.00	3.11e-03 -0.03	0.0 -900.00	300.0 0.0	-264.84 139.98	-109.18 1023.56	-0.02 -0.64	-1636.93 -1653.36	-3379.33 3112.81	5.468e+04 -
27 4.839e+04	18	-1.165e+05 5.674e+04	3112.81 -2865.26	-3.59e-03 -0.03	0.0 -900.00	300.0 0.0	139.98 -260.99	123.56 794.23	-0.64 1.29	-1653.36 -2855.33	3271.00 -2865.26	5.528e+04 -
27 1.166e+05	20	-4.839e+04 5.583e+04	-3132.79 6446.68	1.18e-03 -0.03	0.0 -900.00	300.0 0.0	-260.99 76.39	-105.77 1024.64	1.29 -29.50	-2855.33 -2125.45	-3132.79 6446.68	5.492e+04 -
27 7.445e+04	22	-1.166e+05 5.544e+04	-2455.00 6823.54	6.98e-04 -0.03	0.0 -900.00	300.0 0.0	76.39 -200.29	124.64 879.46	-29.50 -55.86	-2125.45 -506.03	-2455.00 6823.54	5.583e+04 -
27 8.991e+04	23	-7.445e+04 5.454e+04	-1.011e+04 1.001e+04	0.01 -0.03	0.0 -900.00	300.0 0.0	-200.29 75.43	-20.54 934.92	-55.86 55.20	-506.03 -2784.26	-1.011e+04 -6734.02	5.542e+04 -
27 2.764e+04	46	-8.991e+04 5.966e+04	-6734.02 -4820.28	-0.01 -0.03	0.0 -900.00	300.0 0.0	75.43 -383.65	34.92 722.29	55.20 0.11	-2784.26 -1628.35	1.001e+04 -4820.28	5.454e+04 -
27	47	-2.764e+04 5.547e+04	-5330.37 5222.03	5.08e-03 -0.03	0.0 -900.00	300.0 0.0	-383.65 258.79	-177.71 1092.09	0.11 -0.77	-1628.35 -1661.94	-5330.37 4909.80	5.449e+04 -



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3.405e+04 28	70	1.628e+04	484.73	8.93e-03	-1260.00	0.0	-1.72	692.03	1.86-4.240e+04	-294.94	-
6.341e+04		-6.341e+04	-294.94	-0.01	0.0	420.0	-1.72	-567.97	1.86-4.240e+04	484.73	-
3.736e+04 28	71	1.731e+04	364.51	6.74e-03	-1260.00	0.0	-8.46	704.62	1.39-3.178e+04	-220.78	-
6.540e+04		-6.540e+04	-220.78	-0.01	0.0	420.0	-8.46	-555.38	1.39-3.178e+04	364.51	-
3.405e+04 28	72	1.711e+04	388.55	7.17e-03	-1260.00	0.0	-7.11	702.10	1.49-3.390e+04	-235.62	-
6.500e+04		-6.500e+04	-235.62	-0.01	0.0	420.0	-7.11	-557.90	1.49-3.390e+04	388.55	-
3.472e+04 31	1	-948.34	517.83	-7.65e-03	-1248.00	0.0	-17.59	570.10	-2.97 3.409e+04	517.83	-
4.224e+04		-5.949e+04	-432.76	8.40e-03	0.0	320.0	-17.59	-677.90	-2.97 3.409e+04	-432.76	-
5.949e+04 31	2	-1484.84	714.76	-0.01	-1248.00	0.0	-16.30	603.42	-4.11 4.718e+04	714.76	-
4.811e+04		-5.470e+04	-600.40	0.01	0.0	320.0	-16.30	-644.58	-4.11 4.718e+04	-600.40	-
5.470e+04 31	3	-707.39	396.65	-5.86e-03	-960.00	0.0	-14.26	438.45	-2.28 2.611e+04	396.65	-
3.246e+04		-4.575e+04	-331.47	6.43e-03	0.0	320.0	-14.26	-521.55	-2.28 2.611e+04	-331.47	-
4.575e+04 31	4	-1243.89	593.58	-8.56e-03	-960.00	0.0	-12.97	471.77	-3.41 3.920e+04	593.58	-
3.833e+04		-4.096e+04	-499.11	9.65e-03	0.0	320.0	-12.97	-488.23	-3.41 3.920e+04	-499.11	-
4.096e+04 31	6	6045.79	1.132e+04	-6.70e-03	-960.00	0.0	-140.45	268.64	-111.60 2.732e+04 1.132e+04	-5845.22	-
7.348e+04 31		-7.348e+04	-2.445e+04	3.47e-03	0.0	320.0	-140.45	-691.36	-111.60 2.732e+04 -2.445e+04	-	-
5.912e+04	7	2558.09	2.379e+04	-5.04e-03	-960.00	0.0	112.76	608.36	107.04 2.503e+04 -1.052e+04	-	-
1.804e+04 31		-5.912e+04	-1.052e+04	0.01	0.0	320.0	112.76	-351.64	107.04 2.503e+04 2.379e+04	-	-
8.513e+04 31	14	1.221e+04	6078.84	-6.96e-03	-960.00	0.0	-149.20	195.64	-76.87 2.742e+04 6078.84	5861.33	-
7.082e+04 31		-8.513e+04	-1.877e+04	0.01	0.0	320.0	-149.20	-764.36	-76.87 2.742e+04 -1.877e+04	-	-
8.513e+04 31	15	6478.79	1.811e+04	-4.78e-03	-960.00	0.0	121.51	681.37	72.31 2.493e+04 -5283.63	-	-
7.082e+04 31		-7.082e+04	-5283.63	-2.17e-03	0.0	320.0	121.51	-278.63	72.31 2.493e+04 1.811e+04	-6384.64	-
8.548e+04 31	17	1.238e+04	1869.59	-6.77e-03	-960.00	0.0	-120.82	193.57	-47.88 2.711e+04 1869.59	6182.46	-
8.548e+04 31		-8.548e+04	-1.359e+04	0.01	0.0	320.0	-120.82	-766.43	-47.88 2.711e+04 -1.359e+04	-	-
8.548e+04 31	38	1.429e+04	1.762e+04	-7.19e-03	-960.00	0.0	-195.41	168.51	-174.48 2.798e+04 1.762e+04	9846.84	-
8.983e+04 31		-8.983e+04	-3.830e+04	-3.16e-03	0.0	320.0	-195.41	-791.49	-174.48 2.798e+04 -3.830e+04	-	-
7.481e+04	39	8832.51	3.764e+04	-4.55e-03	-960.00	0.0	167.72	708.49	169.92 2.437e+04 -1.682e+04	-	-
1.084e+05 31		-7.481e+04	-1.682e+04	0.02	0.0	320.0	167.72	-251.51	169.92 2.437e+04 3.764e+04	-1687.60	-
9.345e+04	46	2.893e+04	9272.79	-7.60e-03	-960.00	0.0	-213.86	52.28	-119.17 2.815e+04 9272.79	2.849e+04	-
1.089e+05 31		-1.084e+05	-2.926e+04	0.02	0.0	320.0	-213.86	-907.72	-119.17 2.815e+04 -2.926e+04	-	-
9.345e+04	47	1.988e+04	2.860e+04	-4.20e-03	-960.00	0.0	186.17	824.72	114.61 2.420e+04 -8477.59	-	-
1.089e+05 31		-9.345e+04	-8477.59	-5.78e-03	0.0	320.0	186.17	-135.28	114.61 2.420e+04 2.860e+04	1.686e+04	-
3.248e+04	49	2.939e+04	2629.93	-7.30e-03	-960.00	0.0	-168.91	49.05	-73.44 2.766e+04 2629.93	2.899e+04	-
4.576e+04 31		-1.089e+05	-2.108e+04	0.02	0.0	320.0	-168.91	-910.95	-73.44 2.766e+04 -2.108e+04	-	-
3.248e+04	69	-719.88	397.60	-5.87e-03	-960.00	0.0	-13.84	438.50	-2.28 2.618e+04 397.60	-	-
4.576e+04 31		-4.576e+04	-332.27	6.45e-03	0.0	320.0	-13.84	-521.50	-2.28 2.618e+04 -332.27	-	-
3.639e+04	70	-1077.55	528.89	-7.67e-03	-960.00	0.0	-12.99	460.72	-3.04 3.490e+04 528.89	-	-
4.256e+04 31		-4.256e+04	-444.03	8.59e-03	0.0	320.0	-12.99	-499.28	-3.04 3.490e+04 -444.03	-	-
3.248e+04	71	-719.88	397.60	-5.87e-03	-960.00	0.0	-13.84	438.50	-2.28 2.618e+04 397.60	-	-
4.576e+04 31		-4.576e+04	-332.27	6.45e-03	0.0	320.0	-13.84	-521.50	-2.28 2.618e+04 -332.27	-	-
3.326e+04	72	-791.41	423.86	-6.23e-03	-960.00	0.0	-13.67	442.94	-2.43 2.792e+04 423.86	-	-
4.512e+04		-4.512e+04	-354.63	6.88e-03	0.0	320.0	-13.67	-517.06	-2.43 2.792e+04 -354.63	-	-



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32	1	-991.43	407.76	-7.69e-03	-1248.00	0.0	-16.71	570.28	2.77	-3.409e+04	-479.61	-
4.232e+04		-5.951e+04	-479.61	-8.34e-03	0.0	320.0	-16.71	-677.72	2.77	-3.409e+04	407.76	-
5.951e+04	2	-1537.25	570.38	-0.01	-1248.00	0.0	-15.32	603.70	3.87	-4.718e+04	-668.91	-
4.821e+04		-5.470e+04	-668.91	-0.01	0.0	320.0	-15.32	-644.30	3.87	-4.718e+04	570.38	-
5.470e+04	3	-740.50	312.31	-5.89e-03	-960.00	0.0	-13.57	438.59	2.12	-2.611e+04	-367.30	-
3.252e+04		-4.577e+04	-367.30	-6.39e-03	0.0	320.0	-13.57	-521.41	2.12	-2.611e+04	312.31	-
4.577e+04	4	-1286.32	474.94	-8.61e-03	-960.00	0.0	-12.18	472.02	3.22	-3.920e+04	-556.59	-
3.841e+04		-4.096e+04	-556.59	-9.60e-03	0.0	320.0	-12.18	-487.98	3.22	-3.920e+04	474.94	-
4.096e+04	9	1.220e+04	1.656e+04	-7.04e-03	-960.00	0.0	-150.04	195.45	63.66	-2.605e+04	-4162.49	5864.19
8.519e+04		-8.519e+04	-4162.49	-0.01	0.0	320.0	-150.04	-764.55	63.66	-2.605e+04	1.656e+04	-
8.519e+04	10	1.238e+04	1.346e+04	-6.82e-03	-960.00	0.0	-120.86	193.20	47.17	-2.711e+04	-1784.86	6210.71
8.557e+04		-8.557e+04	-1784.86	-0.01	0.0	320.0	-120.86	-766.80	47.17	-2.711e+04	1.346e+04	-
7.093e+04	12	6465.42	3426.04	-4.78e-03	-960.00	0.0	123.70	681.83	-59.40	-2.630e+04	3426.04	-
7.093e+04		-7.093e+04	-1.593e+04	2.02e-03	0.0	320.0	123.70	-278.17	-59.40	-2.630e+04	-1.593e+04	-6352.69
7.362e+04	13	6063.44	2.447e+04	-6.75e-03	-960.00	0.0	-138.86	268.00	111.37	-2.732e+04	-1.123e+04	-5776.38
5.929e+04		-7.362e+04	-1.123e+04	-3.33e-03	0.0	320.0	-138.86	-692.00	111.37	-2.732e+04	2.447e+04	-
1.792e+04	16	2561.93	1.049e+04	-5.06e-03	-960.00	0.0	112.53	609.27	-107.11	-2.503e+04	1.049e+04	-
1.792e+04		-5.929e+04	-2.384e+04	-0.01	0.0	320.0	112.53	-350.73	-107.11	-2.503e+04	-2.384e+04	-
1.085e+05	41	2.896e+04	2.581e+04	-7.70e-03	-960.00	0.0	-215.87	51.94	98.57	-2.597e+04	-6290.38	2.852e+04
1.085e+05		-1.085e+05	-6290.38	-0.02	0.0	320.0	-215.87	-908.06	98.57	-2.597e+04	2.581e+04	-
1.091e+05	42	2.946e+04	2.089e+04	-7.36e-03	-960.00	0.0	-169.51	48.38	72.40	-2.767e+04	-2513.22	2.907e+04
9.359e+04		-1.091e+05	-2513.22	-0.02	0.0	320.0	-169.51	-911.62	72.40	-2.767e+04	2.089e+04	-
9.359e+04	44	1.990e+04	5553.94	-4.17e-03	-960.00	0.0	189.54	825.34	-94.31	-2.637e+04	5553.94	-
9.359e+04		-9.359e+04	-2.518e+04	5.41e-03	0.0	320.0	189.54	-134.66	-94.31	-2.637e+04	-2.518e+04	1.691e+04
9.004e+04	45	1.436e+04	3.834e+04	-7.25e-03	-960.00	0.0	-193.24	167.40	174.21	-2.797e+04	-1.749e+04	9990.49
7.506e+04		-9.004e+04	-1.749e+04	3.48e-03	0.0	320.0	-193.24	-792.60	174.21	-2.797e+04	3.834e+04	-
7.506e+04	48	8910.82	1.676e+04	-4.57e-03	-960.00	0.0	166.91	709.88	-169.95	-2.437e+04	1.676e+04	-
7.506e+04		-7.506e+04	-3.772e+04	-0.02	0.0	320.0	166.91	-250.12	-169.95	-2.437e+04	-3.772e+04	-1498.57
3.254e+04	69	-753.01	313.07	-5.91e-03	-960.00	0.0	-13.17	438.64	2.13	-2.617e+04	-368.22	-
3.254e+04		-4.577e+04	-368.22	-6.40e-03	0.0	320.0	-13.17	-521.36	2.13	-2.617e+04	313.07	-
4.577e+04	70	-1116.89	421.49	-7.72e-03	-960.00	0.0	-12.24	460.92	2.86	-3.490e+04	-494.42	-
3.646e+04		-4.257e+04	-494.42	-8.54e-03	0.0	320.0	-12.24	-499.08	2.86	-3.490e+04	421.49	-
4.257e+04	71	-753.01	313.07	-5.91e-03	-960.00	0.0	-13.17	438.64	2.13	-2.617e+04	-368.22	-
3.254e+04		-4.577e+04	-368.22	-6.40e-03	0.0	320.0	-13.17	-521.36	2.13	-2.617e+04	313.07	-
4.577e+04	72	-825.79	334.76	-6.27e-03	-960.00	0.0	-12.98	443.10	2.28	-2.792e+04	-393.46	-
3.332e+04		-4.513e+04	-393.46	-6.83e-03	0.0	320.0	-12.98	-516.90	2.28	-2.792e+04	334.76	-
4.513e+04	2	9.050e+05	66.10	-0.61	-9657.53	0.0	-2441.13	9657.57	0.08	-12.45	40.13	-
6.160e+05		-6.160e+05	40.13	-1.10e-04	0.0	315.0	-2441.13	0.04	0.08	-12.45	66.10	9.050e+05
3.560e+05	3	5.272e+05	37.08	-0.36	-5607.98	0.0	-1414.49	5608.01	0.05	-7.80	20.62	-
3.560e+05		-3.560e+05	20.62	-6.22e-05	0.0	315.0	-1414.49	0.03	0.05	-7.80	37.08	5.272e+05
3.433e+05	13	5.280e+05	3.959e+04	-0.36	-5619.56	0.0	-1342.85	5574.74	-273.71	5897.57	3.959e+04	-
3.433e+05		-3.433e+05	-4.697e+04	0.04	0.0	315.0	-1342.85	-44.82	-273.71	5897.57	-4.697e+04	5.280e+05
3.703e+05	16	5.286e+05	4.704e+04	-0.36	-5619.56	0.0	-1491.20	5664.44	273.81	-5913.17	-3.955e+04	-
3.703e+05		-3.703e+05	-3.955e+04	-0.04	0.0	315.0	-1491.20	44.88	273.81	-5913.17	4.704e+04	5.286e+05
3.703e+05	21	5.249e+05	-840.59	-0.36	-5619.56	0.0	-1218.54	5433.90	-40.85	1590.67	-840.59	-



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36	31	5.748e+04	2.513e+04	0.02	-855.00	0.0	-10.79	-96.18	71.84	3.530e+04	5574.205.748e+04	-
		-9.190e+04	5574.20	-0.02	0.0	285.0	-10.79	-951.18	71.84	3.530e+04	2.513e+04	-
9.190e+04	36	49	6.802e+04	9464.93	0.03	-855.00	0.0	88.40	-394.26	-4.52	3.905e+04	9464.936.802e+04
			-1.663e+05	7045.56	-2.28e-03	0.0	285.0	88.40	-1249.26	-4.52	3.905e+04	7045.56
1.663e+05	36	52	5.087e+04	-7320.95	0.02	-855.00	0.0	-233.65	144.57	3.84	4.293e+04	-9546.624.748e+04
			-3.304e+04	-9546.62	0.02	0.0	285.0	-233.65	-710.43	3.84	4.293e+04	-7320.95
3.304e+04	36	62	5.817e+04	-9021.59	0.03	-855.00	0.0	-175.03	-170.43	-114.63	5.001e+04	-9021.595.817e+04
			-1.120e+05	-4.025e+04	0.06	0.0	285.0	-175.03	-1025.43	-114.63	5.001e+04	-4.025e+04
1.120e+05	36	63	5.732e+04	3.997e+04	0.02	-855.00	0.0	29.79	-79.27	113.95	3.197e+04	8939.905.732e+04
			-8.733e+04	8939.90	-0.04	0.0	285.0	29.79	-934.27	113.95	3.197e+04	3.997e+04
8.733e+04	36	69	5.775e+04	-40.85	0.03	-855.00	0.0	-72.62	-124.85	-0.34	4.099e+04	-40.855.775e+04
			-9.967e+04	-137.70	8.82e-03	0.0	285.0	-72.62	-979.85	-0.34	4.099e+04	-137.70
9.967e+04	36	70	5.845e+04	-53.72	0.02	-855.00	0.0	-66.76	-120.07	-0.48	5.471e+04	-53.725.845e+04
			-9.761e+04	-191.46	0.01	0.0	285.0	-66.76	-975.07	-0.48	5.471e+04	-191.46
9.761e+04	36	71	5.775e+04	-40.85	0.03	-855.00	0.0	-72.62	-124.85	-0.34	4.099e+04	-40.855.775e+04
			-9.967e+04	-137.70	8.82e-03	0.0	285.0	-72.62	-979.85	-0.34	4.099e+04	-137.70
9.967e+04	36	72	5.789e+04	-43.42	0.02	-855.00	0.0	-71.45	-123.89	-0.37	4.373e+04	-43.425.789e+04
			-9.926e+04	-148.45	9.42e-03	0.0	285.0	-71.45	-978.89	-0.37	4.373e+04	-148.45
9.926e+04	37	1	7.514e+04	318.74	0.03	-1111.50	0.0	-91.56	-162.70	0.88	-5.340e+04	69.077.514e+04
			-1.296e+05	69.07	-0.01	0.0	285.0	-91.56	-1274.20	0.88	-5.340e+04	318.74
1.296e+05	37	2	7.621e+04	434.63	0.03	-1111.50	0.0	-82.33	-155.59	1.20	-7.397e+04	91.817.621e+04
			-1.265e+05	91.81	-0.02	0.0	285.0	-82.33	-1267.09	1.20	-7.397e+04	434.63
1.265e+05	37	3	5.779e+04	244.28	0.03	-855.00	0.0	-71.09	-125.03	0.67	-4.089e+04	52.975.779e+04
			-9.968e+04	52.97	-8.96e-03	0.0	285.0	-71.09	-980.03	0.67	-4.089e+04	244.28
9.968e+04	37	4	5.885e+04	360.17	0.02	-855.00	0.0	-61.87	-117.92	1.00	-6.147e+04	75.725.885e+04
			-9.659e+04	75.72	-0.01	0.0	285.0	-61.87	-972.92	1.00	-6.147e+04	360.17
9.659e+04	37	10	6.424e+04	-4209.78	0.03	-855.00	0.0	34.60	-294.63	3.71	-3.977e+04	-6015.986.424e+04
			-1.416e+05	-6015.98	-4.03e-03	0.0	285.0	34.60	-1149.63	3.71	-3.977e+04	-4209.78
1.416e+05	37	11	5.168e+04	6122.10	0.02	-855.00	0.0	-176.03	44.43	-2.36	-4.221e+04	6122.105.135e+04
			-5.774e+04	4699.36	-0.01	0.0	285.0	-176.03	-810.57	-2.36	-4.221e+04	4699.36
5.774e+04	37	33	5.812e+04	2.548e+04	0.03	-855.00	0.0	-132.71	-154.26	72.74	-4.669e+04	5671.515.812e+04
			-1.075e+05	5671.51	-0.04	0.0	285.0	-132.71	-1009.26	72.74	-4.669e+04	2.548e+04
1.075e+05	37	36	5.747e+04	-5565.39	0.02	-855.00	0.0	-8.72	-95.93	-71.39	-3.530e+04	-5565.395.747e+04
			-9.186e+04	-2.499e+04	0.02	0.0	285.0	-8.72	-950.93	-71.39	-3.530e+04	-2.499e+04
9.186e+04	37	42	6.803e+04	-6953.03	0.03	-855.00	0.0	90.76	-394.67	4.43	-3.904e+04	-9422.256.803e+04
			-1.664e+05	-9422.25	2.27e-03	0.0	285.0	90.76	-1249.67	4.43	-3.904e+04	-6953.03
1.664e+05	37	43	5.094e+04	9528.36	0.02	-855.00	0.0	-232.19	144.48	-3.08	-4.294e+04	9528.364.756e+04
			-3.298e+04	7442.62	-0.02	0.0	285.0	-232.19	-710.52	-3.08	-4.294e+04	7442.62
3.298e+04	37	65	5.832e+04	4.030e+04	0.03	-855.00	0.0	-173.37	-171.47	114.78	-5.002e+04	9039.415.832e+04
			-1.121e+05	9039.41	-0.06	0.0	285.0	-173.37	-1026.47	114.78	-5.002e+04	4.030e+04
1.121e+05	37	68	5.728e+04	-8933.29	0.02	-855.00	0.0	31.94	-78.73	-113.44	-3.197e+04	-8933.295.728e+04
			-8.724e+04	-3.981e+04	0.04	0.0	285.0	31.94	-933.73	-113.44	-3.197e+04	-3.981e+04
8.724e+04	37	69	5.780e+04	244.79	0.03	-855.00	0.0	-70.72	-125.10	0.67	-4.099e+04	53.065.780e+04
			-9.969e+04	53.06	-8.98e-03	0.0	285.0	-70.72	-980.10	0.67	-4.099e+04	244.79
9.969e+04	37	70	5.851e+04	322.05	0.02	-855.00	0.0	-64.57	-120.36	0.89	-5.471e+04	68.225.851e+04
			-9.763e+04	68.22	-0.01	0.0	285.0	-64.57	-975.36	0.89	-5.471e+04	322.05
9.763e+04	37	71	5.780e+04	244.79	0.03	-855.00	0.0	-70.72	-125.10	0.67	-4.099e+04	53.065.780e+04
			-9.969e+04	53.06	-8.98e-03	0.0	285.0	-70.72	-980.10	0.67	-4.099e+04	244.79
9.969e+04	37	72	5.794e+04	260.25	0.02	-855.00	0.0	-69.49	-124.15	0.72	-4.374e+04	56.095.794e+04
			-9.928e+04	56.09	-9.58e-03	0.0	285.0	-69.49	-979.15	0.72	-4.374e+04	260.25
9.928e+04	38	1	6.197e+04	164.93	0.03	-1170.00	0.0	-74.42	39.96	0.64	-1.363e+04	-25.806.197e+04



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1.015e+05	-1.015e+05	-25.80	-3.16e-03	0.0	300.0	-74.42	-1130.04	0.64	-1.363e+04	164.93	-
38	2 6.238e+04	225.15	0.03	-1170.00	0.0	-69.01	32.77	0.88	-1.886e+04	-37.976.238e+04	-
	-1.033e+05	-37.97	-4.38e-03	0.0	300.0	-69.01	-1137.23	0.88	-1.886e+04	225.15	-
1.033e+05	4 4.809e+04	186.59	0.03	-900.00	0.0	-52.54	23.54	0.73	-1.566e+04	-31.904.809e+04	-
38	-7.985e+04	-31.90	-3.64e-03	0.0	300.0	-52.54	-876.46	0.73	-1.566e+04	186.59	-
7.985e+04	17 4.813e+04	2251.28	0.03	-900.00	0.0	-139.02	-86.54	-7.86	-9363.23	2251.284.813e+04	-
38	-1.124e+05	-33.45	1.63e-03	0.0	300.0	-139.02	-986.54	-7.86	-9363.23	-33.45	-
1.124e+05	18 4.862e+04	8896.92	0.03	-900.00	0.0	-200.81	-83.47	43.50	-1.166e+04	-4236.244.862e+04	-
38	-1.119e+05	-4236.24	-0.01	0.0	300.0	-200.81	-983.47	43.50	-1.166e+04	8896.92	-
1.119e+05	19 5.011e+04	4196.64	0.02	-900.00	0.0	85.70	144.93	-42.52	-9270.10	4196.644.672e+04	-
38	-4.433e+04	-8643.62	9.58e-03	0.0	300.0	85.70	-755.07	-42.52	-9270.10	-8643.62	-
4.433e+04	20 5.060e+04	286.74	0.02	-900.00	0.0	23.91	148.00	8.84	-1.157e+04	-2290.884.720e+04	-
38	-4.382e+04	-2290.88	-6.49e-03	0.0	300.0	23.91	-752.00	8.84	-1.157e+04	286.74	-
4.382e+04	34 4.870e+04	1.630e+04	0.02	-900.00	0.0	-194.24	1.14	91.29	-1.431e+04	-1.112e+044.870e+04	-
38	-8.748e+04	-1.112e+04	-0.03	0.0	300.0	-194.24	-898.86	91.29	-1.431e+04	1.630e+04	-
8.748e+04	35 4.725e+04	1.108e+04	0.03	-900.00	0.0	79.14	60.32	-90.31	-6620.81	1.108e+044.664e+04	-
38	-6.875e+04	-1.605e+04	0.03	0.0	300.0	79.14	-839.68	-90.31	-6620.81	-1.605e+04	-
6.875e+04	49 4.840e+04	3615.23	0.03	-900.00	0.0	-186.55	-155.71	-12.87	-8711.94	3615.234.840e+04	-
38	-1.326e+05	-141.25	4.05e-03	0.0	300.0	-186.55	-1055.71	-12.87	-8711.94	-141.25	-
1.326e+05	50 4.917e+04	1.405e+04	0.03	-900.00	0.0	-284.73	-150.84	68.78	-1.237e+04	-6699.454.917e+04	-
38	-1.318e+05	-6699.45	-0.02	0.0	300.0	-284.73	-1050.84	68.78	-1.237e+04	1.405e+04	-
1.318e+05	51 5.375e+04	6659.86	0.02	-900.00	0.0	169.62	212.30	-67.80	-8564.92	6659.864.616e+04	-
38	-2.439e+04	-1.380e+04	0.02	0.0	300.0	169.62	-687.70	-67.80	-8564.92	-1.380e+04	-
2.439e+04	52 5.453e+04	394.55	0.02	-900.00	0.0	71.44	217.17	13.85	-1.222e+04	-3654.824.694e+04	-
38	-2.359e+04	-3654.82	-8.91e-03	0.0	300.0	71.44	-682.83	13.85	-1.222e+04	394.55	-
2.359e+04	66 4.929e+04	2.584e+04	0.02	-900.00	0.0	-274.61	-16.36	144.81	-1.658e+04	-1.767e+044.929e+04	-
38	-9.300e+04	-1.767e+04	-0.05	0.0	300.0	-274.61	-916.36	144.81	-1.658e+04	2.584e+04	-
9.300e+04	67 4.727e+04	1.763e+04	0.03	-900.00	0.0	159.50	77.82	-143.83	-4351.94	1.763e+044.604e+04	-
38	-6.322e+04	-2.558e+04	0.04	0.0	300.0	159.50	-822.18	-143.83	-4351.94	-2.558e+04	-
6.322e+04	69 4.767e+04	126.65	0.03	-900.00	0.0	-57.55	30.73	0.49	-1.047e+04	-19.804.767e+04	-
38	-7.811e+04	-19.80	-2.43e-03	0.0	300.0	-57.55	-869.27	0.49	-1.047e+04	126.65	-
7.811e+04	70 4.795e+04	166.80	0.03	-900.00	0.0	-53.94	25.94	0.65	-1.395e+04	-27.914.795e+04	-
38	-7.927e+04	-27.91	-3.24e-03	0.0	300.0	-53.94	-874.06	0.65	-1.395e+04	166.80	-
7.927e+04	71 4.767e+04	126.65	0.03	-900.00	0.0	-57.55	30.73	0.49	-1.047e+04	-19.804.767e+04	-
38	-7.811e+04	-19.80	-2.43e-03	0.0	300.0	-57.55	-869.27	0.49	-1.047e+04	126.65	-
7.811e+04	72 4.772e+04	134.68	0.03	-900.00	0.0	-56.83	29.77	0.52	-1.116e+04	-21.424.772e+04	-
38	-7.834e+04	-21.42	-2.59e-03	0.0	300.0	-56.83	-870.23	0.52	-1.116e+04	134.68	-
7.834e+04	1 6.195e+04	50.02	0.03	-1170.00	0.0	-72.62	40.05	-0.70	1.363e+04	50.026.195e+04	-
39	-1.015e+05	-160.73	3.21e-03	0.0	300.0	-72.62	-1129.95	-0.70	1.363e+04	-160.73	-
1.015e+05	2 6.237e+04	68.30	0.03	-1170.00	0.0	-66.93	32.88	-0.97	1.885e+04	68.306.237e+04	-
39	-1.033e+05	-221.54	4.44e-03	0.0	300.0	-66.93	-1137.12	-0.97	1.885e+04	-221.54	-
1.033e+05	4 4.808e+04	56.61	0.03	-900.00	0.0	-50.87	23.62	-0.80	1.566e+04	56.614.808e+04	-
39	-7.983e+04	-183.94	3.69e-03	0.0	300.0	-50.87	-876.38	-0.80	1.566e+04	-183.94	-
7.983e+04	9 4.862e+04	4249.84	0.03	-900.00	0.0	-200.17	-83.75	-43.93	1.166e+04	4249.844.862e+04	-
39	-1.120e+05	-9015.69	0.01	0.0	300.0	-200.17	-983.75	-43.93	1.166e+04	-9015.69	-
1.120e+05	10 4.813e+04	-86.25	0.03	-900.00	0.0	-137.90	-86.78	7.42	9357.72	-2238.094.813e+04	-
39	-1.125e+05	-2238.09	-1.70e-03	0.0	300.0	-137.90	-986.78	7.42	9357.72	-86.25	-
1.125e+05	11 5.061e+04	2314.90	0.02	-900.00	0.0	25.57	148.39	-8.50	1.157e+04	2314.904.719e+04	-
39	-4.371e+04	-160.60	6.63e-03	0.0	300.0	25.57	-751.61	-8.50	1.157e+04	-160.60	-
4.371e+04	12 5.012e+04	8768.84	0.02	-900.00	0.0	87.84	145.36	42.85	9271.34	-4173.024.670e+04	-
39	-4.421e+04	-4173.02	-9.44e-03	0.0	300.0	87.84	-754.64	42.85	9271.34	8768.84	-



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40	44	5.971e+04	1.073e+04	0.03	-900.00	0.0	371.00	188.46	41.18	-233.09	-4840.335.405e+04	-
		-2.458e+04	-4840.33	-0.01	0.0	300.0	371.00	-711.54	41.18	-233.09	1.073e+04	-
2.458e+04	40	57	5.605e+04	1.603e+04	0.03	-900.00	0.0	-297.15	-34.46	-40.92	2455.91	1.603e+045.605e+04
			-8.963e+04	-1193.05	9.25e-03	0.0	300.0	-297.15	-934.46	-40.92	2455.91	-1193.05
8.963e+04	40	60	5.425e+04	1487.40	0.03	-900.00	0.0	175.30	48.89	41.58	838.90	-1.594e+045.394e+04
			-6.605e+04	-1.594e+04	-8.33e-03	0.0	300.0	175.30	-851.11	41.58	838.90	1487.40
6.605e+04	40	69	5.500e+04	147.18	0.03	-900.00	0.0	-60.93	7.21	0.33	1647.40	48.075.500e+04
			-7.784e+04	48.07	4.63e-04	0.0	300.0	-60.93	-892.79	0.33	1647.40	147.18
7.784e+04	40	70	5.557e+04	194.26	0.03	-900.00	0.0	-56.58	9.31	0.43	2205.74	64.185.557e+04
			-7.664e+04	64.18	6.18e-04	0.0	300.0	-56.58	-890.69	0.43	2205.74	194.26
7.664e+04	40	71	5.500e+04	147.18	0.03	-900.00	0.0	-60.93	7.21	0.33	1647.40	48.075.500e+04
			-7.784e+04	48.07	4.63e-04	0.0	300.0	-60.93	-892.79	0.33	1647.40	147.18
7.784e+04	40	72	5.511e+04	156.59	0.03	-900.00	0.0	-60.06	7.63	0.35	1759.07	51.295.511e+04
			-7.760e+04	51.29	4.94e-04	0.0	300.0	-60.06	-892.37	0.35	1759.07	156.59
7.760e+04	41	1	7.148e+04	-70.55	0.04	-1170.00	0.0	-80.77	9.37	-0.43	-2142.87	-70.557.148e+04
			-1.012e+05	-199.36	-5.89e-04	0.0	300.0	-80.77	-1160.63	-0.43	-2142.87	-199.36
1.012e+05	41	2	7.233e+04	-96.81	0.04	-1170.00	0.0	-74.55	12.51	-0.58	-2979.56	-96.817.233e+04
			-9.942e+04	-271.70	-8.18e-04	0.0	300.0	-74.55	-1157.49	-0.58	-2979.56	-271.70
9.942e+04	41	3	5.497e+04	-54.03	0.03	-900.00	0.0	-62.81	7.17	-0.33	-1640.97	-54.035.497e+04
			-7.787e+04	-152.74	-4.51e-04	0.0	300.0	-62.81	-892.83	-0.33	-1640.97	-152.74
7.787e+04	41	4	5.583e+04	-80.29	0.03	-900.00	0.0	-56.59	10.32	-0.48	-2477.66	-80.295.583e+04
			-7.608e+04	-225.08	-6.80e-04	0.0	300.0	-56.59	-889.68	-0.48	-2477.66	-225.08
7.608e+04	41	14	5.612e+04	4870.28	0.03	-900.00	0.0	-335.97	-109.01	23.44	-2107.84	-3379.335.612e+04
			-1.117e+05	-3379.33	-6.95e-03	0.0	300.0	-335.97	-1009.01	23.44	-2107.84	4870.28
1.117e+05	41	15	5.639e+04	3271.00	0.03	-900.00	0.0	211.11	123.40	-24.10	-1182.45	3271.005.384e+04
			-4.407e+04	-5176.46	6.05e-03	0.0	300.0	211.11	-776.60	-24.10	-1182.45	-5176.46
4.407e+04	41	17	5.557e+04	2346.67	0.03	-900.00	0.0	-271.94	-110.09	3.39	-1134.31	2346.675.557e+04
			-1.118e+05	1913.65	-2.64e-03	0.0	300.0	-271.94	-1010.09	3.39	-1134.31	1913.65
1.118e+05	41	20	5.688e+04	-2219.84	0.03	-900.00	0.0	147.08	124.47	-4.05	-2155.98	-2455.005.439e+04
			-4.393e+04	-2455.00	1.93e-03	0.0	300.0	147.08	-775.53	-4.05	-2155.98	-2219.84
4.393e+04	41	22	5.567e+04	661.06	0.03	-900.00	0.0	-211.08	-18.98	25.51	-2153.63	-1.011e+045.567e+04
			-8.524e+04	-1.011e+04	-5.97e-03	0.0	300.0	-211.08	-918.98	25.51	-2153.63	661.06
8.524e+04	41	23	5.429e+04	1.001e+04	0.03	-900.00	0.0	86.22	33.36	-26.17	-1136.66	1.001e+045.429e+04
			-7.049e+04	-967.24	5.07e-03	0.0	300.0	86.22	-866.64	-26.17	-1136.66	-967.24
7.049e+04	41	46	5.677e+04	7811.67	0.03	-900.00	0.0	-496.45	-177.50	37.41	-2377.16	-5330.375.677e+04
			-1.316e+05	-5330.37	-0.01	0.0	300.0	-496.45	-1077.50	37.41	-2377.16	7811.67
1.316e+05	41	47	5.917e+04	5222.03	0.03	-900.00	0.0	371.59	191.89	-38.07	-913.13	5222.035.319e+04
			-2.413e+04	-8117.85	9.83e-03	0.0	300.0	371.59	-708.11	-38.07	-913.13	-8117.85
2.413e+04	41	49	5.592e+04	3769.83	0.03	-900.00	0.0	-394.82	-179.26	5.53	-829.67	3769.835.592e+04
			-1.318e+05	3110.52	-3.90e-03	0.0	300.0	-394.82	-1079.26	5.53	-829.67	3110.52
1.318e+05	41	52	5.986e+04	-3416.70	0.03	-900.00	0.0	269.96	193.64	-6.19	-2460.62	-3878.165.404e+04
			-2.391e+04	-3878.16	3.21e-03	0.0	300.0	269.96	-706.36	-6.19	-2460.62	-3416.70
2.391e+04	41	54	5.602e+04	1145.38	0.03	-900.00	0.0	-297.32	-34.18	40.76	-2452.27	-1.604e+045.602e+04
			-8.958e+04	-1.604e+04	-9.24e-03	0.0	300.0	-297.32	-934.18	40.76	-2452.27	1145.38
8.958e+04	41	55	5.424e+04	1.594e+04	0.03	-900.00	0.0	172.46	48.56	-41.42	-838.02	1.594e+045.394e+04
			-6.615e+04	-1451.57	8.33e-03	0.0	300.0	172.46	-851.44	-41.42	-838.02	-1451.57
6.615e+04	41	69	5.498e+04	-54.17	0.03	-900.00	0.0	-62.43	7.19	-0.33	-1645.15	-54.175.498e+04
			-7.786e+04	-153.09	-4.52e-04	0.0	300.0	-62.43	-892.81	-0.33	-1645.15	-153.09
7.786e+04	41	70	5.555e+04	-71.67	0.03	-900.00	0.0	-58.28	9.29	-0.43	-2202.94	-71.675.555e+04
			-7.667e+04	-201.32	-6.05e-04	0.0	300.0	-58.28	-890.71	-0.43	-2202.94	-201.32
7.667e+04	41	71	5.498e+04	-54.17	0.03	-900.00	0.0	-62.43	7.19	-0.33	-1645.15	-54.175.498e+04



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7.786e+04		-7.786e+04	-153.09	-4.52e-04	0.0	300.0	-62.43	-892.81	-0.33	-1645.15	-153.09	-
41	72	5.509e+04	-57.67	0.03	-900.00	0.0	-61.60	7.61	-0.35	-1756.70	-57.675.509e+04	-
7.763e+04		-7.763e+04	-162.74	-4.83e-04	0.0	300.0	-61.60	-892.39	-0.35	-1756.70	-162.74	-
44	2	4.779e+05	-210.33	-0.33	-4596.20	0.0	-1336.26	4596.37	0.19	26.97	-270.39	-
2.460e+05		-2.460e+05	-270.39	3.51e-04	0.0	315.0	-1336.26	0.17	0.19	26.97	-210.334.779e+05	-
44	3	2.910e+05	-118.82	-0.20	-2808.03	0.0	-800.63	2808.13	0.12	17.16	-157.26	-
1.512e+05		-1.512e+05	-157.26	1.98e-04	0.0	315.0	-800.63	0.11	0.12	17.16	-118.822.910e+05	-
44	10	2.948e+05	1.400e+04	-0.20	-2812.65	0.0	-764.59	2822.80	-107.22	1570.64	1.400e+04	-
1.551e+05		-1.551e+05	-2.017e+04	4.10e-03	0.0	315.0	-764.59	10.14	-107.22	1570.64	-2.017e+04	2.948e+05
44	18	2.947e+05	2.124e+04	-0.21	-2812.65	0.0	-770.66	2861.01	-130.20	3419.74	2.124e+04	-
1.647e+05		-1.647e+05	-2.019e+04	0.02	0.0	315.0	-770.66	48.35	-130.20	3419.74	-2.019e+04	2.947e+05
44	19	2.883e+05	1.996e+04	-0.20	-2812.65	0.0	-833.02	2764.51	130.44	-3385.42	-2.156e+04	-
1.383e+05		-1.383e+05	-2.156e+04	-0.02	0.0	315.0	-833.02	-48.14	130.44	-3385.42	1.996e+04	2.883e+05
44	24	2.924e+05	5593.36	-0.20	-2812.65	0.0	-905.06	2939.05	0.53	-297.68	5593.36	-
1.893e+05		-1.893e+05	5511.53	-2.19e-03	0.0	315.0	-905.06	126.40	0.53	-297.68	5511.532.924e+05	-
44	29	2.903e+05	-5779.42	-0.21	-2812.65	0.0	-684.60	2709.23	1.31	698.79	-6700.68	-
1.211e+05		-1.211e+05	-6700.68	4.01e-03	0.0	315.0	-684.60	-103.42	1.31	698.79	-5779.422.903e+05	-
44	32	2.928e+05	6385.77	-0.20	-2812.65	0.0	-919.09	2916.29	-1.07	-664.47	6385.77	-
1.818e+05		-1.818e+05	5541.30	-3.67e-03	0.0	315.0	-919.09	103.64	-1.07	-664.47	5541.302.928e+05	-
44	42	2.963e+05	2.192e+04	-0.20	-2812.65	0.0	-742.88	2830.20	-167.63	2412.92	2.192e+04	-
1.573e+05		-1.573e+05	-3.150e+04	6.35e-03	0.0	315.0	-742.88	17.54	-167.63	2412.92	-3.150e+04	2.963e+05
44	50	2.962e+05	3.358e+04	-0.21	-2812.65	0.0	-752.99	2888.23	-204.62	5391.27	3.358e+04	-
1.724e+05		-1.724e+05	-3.154e+04	0.04	0.0	315.0	-752.99	75.58	-204.62	5391.27	-3.154e+04	2.962e+05
44	51	2.869e+05	3.130e+04	-0.20	-2812.65	0.0	-850.69	2737.29	204.87	-5356.96	-3.389e+04	-
1.306e+05		-1.306e+05	-3.389e+04	-0.04	0.0	315.0	-850.69	-75.36	204.87	-5356.96	3.130e+04	2.869e+05
44	56	2.931e+05	8983.48	-0.20	-2812.65	0.0	-964.32	3012.68	0.38	-471.72	8983.48	-
2.114e+05		-2.114e+05	8740.58	-3.59e-03	0.0	315.0	-964.32	200.02	0.38	-471.72	8740.582.931e+05	-
44	61	2.900e+05	-8977.26	-0.21	-2812.65	0.0	-616.62	2649.86	2.88	1078.53	-1.068e+04	-
1.036e+05		-1.036e+05	-1.068e+04	6.26e-03	0.0	315.0	-616.62	-162.80	2.88	1078.53	-8977.262.895e+05	-
44	64	2.936e+05	1.037e+04	-0.20	-2812.65	0.0	-987.06	2975.66	-2.63	-1044.21	1.037e+04	-
1.994e+05		-1.994e+05	8739.14	-5.92e-03	0.0	315.0	-987.06	163.01	-2.63	-1044.21	8739.142.936e+05	-
44	69	2.915e+05	-119.06	-0.20	-2812.65	0.0	-801.84	2812.76	0.12	17.16	-157.45	-
1.515e+05		-1.515e+05	-157.45	1.99e-04	0.0	315.0	-801.84	0.11	0.12	17.16	-119.062.915e+05	-
44	70	3.572e+05	-155.93	-0.25	-3436.07	0.0	-996.94	3436.20	0.14	20.27	-201.13	-
1.840e+05		-1.840e+05	-201.13	2.60e-04	0.0	315.0	-996.94	0.13	0.14	20.27	-155.933.572e+05	-
44	71	2.915e+05	-119.06	-0.20	-2812.65	0.0	-801.84	2812.76	0.12	17.16	-157.45	-
1.515e+05		-1.515e+05	-157.45	1.99e-04	0.0	315.0	-801.84	0.11	0.12	17.16	-119.062.915e+05	-
44	72	3.047e+05	-126.43	-0.21	-2937.34	0.0	-840.86	2937.45	0.13	17.78	-166.19	-
1.580e+05		-1.580e+05	-166.19	2.11e-04	0.0	315.0	-840.86	0.11	0.13	17.78	-126.433.047e+05	-
45	2	4.779e+05	-150.26	0.33	-4596.20	0.0	-1336.26	0.17	0.19	26.97	-210.334.779e+05	-
2.459e+05		-2.459e+05	-210.33	-3.39e-04	0.0	315.0	-1336.26	-4596.03	0.19	26.97	-150.26	-
45	3	2.910e+05	-80.38	0.20	-2808.03	0.0	-800.63	0.11	0.12	17.16	-118.822.910e+05	-
1.512e+05		-1.512e+05	-118.82	-1.92e-04	0.0	315.0	-800.63	-2807.92	0.12	17.16	-80.38	-
45	9	2.947e+05	2.154e+04	0.21	-2812.65	0.0	-770.74	-48.12	131.52	-3396.01	-1.998e+04	2.947e+05
1.647e+05		-1.647e+05	-1.998e+04	-0.02	0.0	315.0	-770.74	-2860.78	131.52	-3396.01	2.154e+04	-
45	12	2.884e+05	1.974e+04	0.20	-2812.65	0.0	-832.94	48.34	-131.28	3430.33	1.974e+04	2.884e+05
1.381e+05		-1.381e+05	-2.171e+04	0.02	0.0	315.0	-832.94	-2764.31	-131.28	3430.33	-2.171e+04	-
45	17	2.948e+05	1.428e+04	0.20	-2812.65	0.0	-764.63	-10.12	108.75	-1512.67	-2.000e+04	2.948e+05
1.551e+05		-1.551e+05	-2.000e+04	-3.48e-03	0.0	315.0	-764.63	-2822.77	108.75	-1512.67	1.428e+04	-
45	27	2.924e+05	6229.82	0.20	-2812.65	0.0	-905.56	-125.89	-0.69	343.67	6229.822.924e+05	-
1.551e+05		-1.551e+05	6229.82	-2.14e-03	0.0	315.0	-905.56	-2938.54	-0.69	343.67	5608.05	-



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1.892e+05 45	34	2.909e+05 -1.211e+05	-6438.16 -6845.63	0.21 -2.18e-03	-2812.65 0.0	0.0 315.0	-683.95 -683.95	103.10 -2709.55	-3.33 -3.33	-705.92 -705.92	-6438.16 -6845.63	2.905e+05 -
1.211e+05 45	35	2.926e+05 -1.817e+05	6684.31 6200.05	0.20 -1.81e-03	-2812.65 0.0	0.0 315.0	-919.73 -919.73	-102.88 -2915.54	3.58 3.58	740.23 740.23	6200.05 6684.31	2.926e+05 -
1.817e+05 45	41	2.961e+05 -1.724e+05	3.401e+04 -3.120e+04	0.21 -0.04	-2812.65 0.0	0.0 315.0	-753.12 -753.12	-75.35 -2888.00	206.58 206.58	-5373.82 -5373.82	-3.120e+04 3.401e+04	2.961e+05 -
1.724e+05 45	44	2.872e+05 -1.304e+05	3.096e+04 -3.418e+04	0.20 0.04	-2812.65 0.0	0.0 315.0	-850.56 -850.56	75.56 -2737.09	-206.34 -206.34	5408.14 5408.14	3.096e+04 -3.418e+04	2.870e+05 -
1.304e+05 45	49	2.962e+05 -1.574e+05	2.233e+04 -3.123e+04	0.20 -5.39e-03	-2812.65 0.0	0.0 315.0	-742.95 -742.95	-17.63 -2830.28	169.92 169.92	-2340.58 -2340.58	-3.123e+04 2.233e+04	2.962e+05 -
1.574e+05 45	59	2.930e+05 -2.113e+05	9771.29 8978.52	0.20 -3.34e-03	-2812.65 0.0	0.0 315.0	-965.13 -965.13	-199.32 -3011.97	-0.62 -0.62	518.96 518.96	9771.29 8978.52	2.930e+05 -
2.113e+05 45	66	2.910e+05 -1.036e+05	-1.001e+04 -1.096e+04	0.21 -3.34e-03	-2812.65 0.0	0.0 315.0	-615.60 -615.60	162.15 -2650.50	-6.22 -6.22	-1109.82 -1109.82	-1.001e+04 -1.096e+04	2.897e+05 -
1.036e+05 45	67	2.934e+05 -1.992e+05	1.080e+04 9772.73	0.20 2.96e-03	-2812.65 0.0	0.0 315.0	-988.08 -988.08	-161.94 -2974.59	6.46 6.46	1144.14 1144.14	9772.73 1.080e+04	2.934e+05 -
1.992e+05 45	69	2.915e+05 -1.514e+05	-80.66 -119.06	0.20 -1.92e-04	-2812.65 0.0	0.0 315.0	-801.84 -801.84	0.11 -2812.55	0.12 0.12	17.16 17.16	-119.06 -80.66	2.915e+05 -
1.514e+05 45	70	3.572e+05 -1.840e+05	-110.74 -155.93	0.25 -2.52e-04	-3436.07 0.0	0.0 315.0	-996.94 -996.94	0.13 -3435.94	0.14 0.14	20.27 20.27	-155.93 -110.74	3.572e+05 -
1.840e+05 45	71	2.915e+05 -1.514e+05	-80.66 -119.06	0.20 -1.92e-04	-2812.65 0.0	0.0 315.0	-801.84 -801.84	0.11 -2812.55	0.12 0.12	17.16 17.16	-119.06 -80.66	2.915e+05 -
1.514e+05 45	72	3.047e+05 -1.579e+05	-86.68 -126.43	0.21 -2.04e-04	-2937.34 0.0	0.0 315.0	-840.86 -840.86	0.11 -2937.22	0.13 0.13	17.78 17.78	-126.43 -86.68	3.047e+05 -
1.579e+05 46	1	6.901e+04	107.42	-0.03	-1950.00	0.0	-74.11	1065.99	0.92	-3.717e+04	-352.24	-
7.561e+04		-7.561e+04	-352.24	-0.01	0.0	500.0	-74.11	-884.01	0.92	-3.717e+04	107.42	-
3.012e+04 46	2	7.074e+04	158.05	-0.02	-1950.00	0.0	-68.77	1054.71	1.30	-5.151e+04	-492.55	-
7.107e+04		-7.107e+04	-492.55	-0.02	0.0	500.0	-68.77	-895.29	1.30	-5.151e+04	158.05	-
3.121e+04 46	4	5.480e+04	132.74	-0.02	-1500.00	0.0	-52.34	808.55	1.09	-4.280e+04	-410.00	-
5.359e+04		-5.359e+04	-410.00	-0.02	0.0	500.0	-52.34	-691.45	1.09	-4.280e+04	132.74	-
2.432e+04 46	9	4.784e+04	2.237e+04	-0.02	-1500.00	0.0	-108.09	688.20	-84.31	-2.725e+04	2.237e+04	-
3.046e+04		-6.136e+04	-1.981e+04	-0.01	0.0	500.0	-108.09	-811.80	-84.31	-2.725e+04	-1.981e+04	-
6.136e+04 46	12	6.465e+04	1.998e+04	-0.02	-1500.00	0.0	-6.51	951.64	85.72	-2.983e+04	-2.292e+04	-
8.584e+04 46	14	-8.584e+04	-2.292e+04	-9.79e-03	0.0	500.0	-6.51	-548.36	85.72	-2.983e+04	1.998e+04	1.498e+04
1.959e+04		4.785e+04	9602.80	-0.02	-1500.00	0.0	-207.29	637.22	-32.74	-2.895e+04	9602.80	-
7.598e+04 46		-7.598e+04	-6917.67	-0.01	0.0	500.0	-207.29	-862.78	-32.74	-2.895e+04	-6917.67	-
9.671e+04	15	7.046e+04	7082.49	-0.02	-1500.00	0.0	92.68	1002.62	34.15	-2.813e+04	-1.014e+04	-
9.681e+04 46		-9.671e+04	-1.014e+04	-7.17e-03	0.0	500.0	92.68	-497.38	34.15	-2.813e+04	7082.49	2.960e+04
1.414e+04	20	7.048e+04	1.388e+04	-0.02	-1500.00	0.0	74.37	1002.97	62.47	-2.983e+04	-1.757e+04	-
8.385e+04 46		-9.681e+04	-1.757e+04	-0.01	0.0	500.0	74.37	-497.03	62.47	-2.983e+04	1.388e+04	2.968e+04
1.022e+05	41	4.798e+04	3.544e+04	-0.02	-1500.00	0.0	-132.78	610.58	-133.35	-2.651e+04	3.544e+04	-
1.071e+05		-8.385e+04	-3.129e+04	-0.01	0.0	500.0	-132.78	-889.42	-133.35	-2.651e+04	-3.129e+04	-
1.071e+05	44	7.433e+04	3.145e+04	-0.02	-1500.00	0.0	18.17	1029.26	134.76	-3.057e+04	-3.598e+04	-
1.071e+05		-1.022e+05	-3.598e+04	-9.88e-03	0.0	500.0	18.17	-470.74	134.76	-3.057e+04	3.145e+04	3.747e+04
1.071e+05	46	4.904e+04	1.512e+04	-0.02	-1500.00	0.0	-293.64	529.42	-51.20	-2.920e+04	1.512e+04	3162.49
1.071e+05		-1.071e+05	-1.072e+04	-0.02	0.0	500.0	-293.64	-970.58	-51.20	-2.920e+04	-1.072e+04	-



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46 1.195e+05	47	8.544e+04	1.089e+04	-0.02	-1500.00	0.0	179.04	1110.43	52.61	-2.788e+04	-1.566e+04	-
46 1.196e+05	52	-1.195e+05	-1.566e+04	-4.97e-03	0.0	500.0	179.04	-389.57	52.61	-2.788e+04	1.089e+04	6.076e+04
46 5.815e+04	69	8.548e+04	2.166e+04	-0.02	-1500.00	0.0	150.03	1110.98	97.42	-3.057e+04	-2.740e+04	-
46 2.319e+04	69	-1.196e+05	-2.740e+04	-0.02	0.0	500.0	150.03	-389.02	97.42	-3.057e+04	2.166e+04	6.087e+04
46 5.512e+04	70	5.308e+04	82.41	-0.02	-1500.00	0.0	-57.30	819.92	0.71	-2.854e+04	-270.40	-
46 2.392e+04	70	-5.815e+04	-270.40	-0.01	0.0	500.0	-57.30	-680.08	0.71	-2.854e+04	82.41	-
46 5.815e+04	70	5.423e+04	116.16	-0.02	-1500.00	0.0	-53.74	812.40	0.96	-3.810e+04	-363.94	-
46 2.319e+04	71	-5.512e+04	-363.94	-0.01	0.0	500.0	-53.74	-687.60	0.96	-3.810e+04	116.16	-
46 5.754e+04	71	5.308e+04	82.41	-0.02	-1500.00	0.0	-57.30	819.92	0.71	-2.854e+04	-270.40	-
46 2.334e+04	71	-5.815e+04	-270.40	-0.01	0.0	500.0	-57.30	-680.08	0.71	-2.854e+04	82.41	-
46 7.556e+04	72	5.331e+04	89.16	-0.02	-1500.00	0.0	-56.59	818.42	0.76	-3.045e+04	-289.11	-
46 3.001e+04	72	-5.754e+04	-289.11	-0.01	0.0	500.0	-56.59	-681.58	0.76	-3.045e+04	89.16	-
46 7.100e+04	1	6.909e+04	404.44	-0.03	-1950.00	0.0	-71.83	1066.11	-1.08	3.717e+04	404.44	-
46 3.109e+04	1	-7.556e+04	-136.59	0.01	0.0	500.0	-71.83	-883.89	-1.08	3.717e+04	-136.59	-
46 5.353e+04	2	7.083e+04	556.19	-0.02	-1950.00	0.0	-66.10	1054.82	-1.50	5.151e+04	556.19	-
46 2.422e+04	2	-7.100e+04	-194.13	0.02	0.0	500.0	-66.10	-895.18	-1.50	5.151e+04	-194.13	-
46 1.950e+04	4	5.488e+04	461.67	-0.02	-1500.00	0.0	-50.19	808.63	-1.25	4.280e+04	461.67	-
46 7.596e+04	4	-5.353e+04	-162.15	0.02	0.0	500.0	-50.19	-691.37	-1.25	4.280e+04	-162.15	-
46 9.672e+04	5	4.792e+04	6783.49	-0.02	-1500.00	0.0	-206.13	637.09	32.11	2.895e+04	-9434.92	-
46 9.683e+04	5	-7.596e+04	-9434.92	0.01	0.0	500.0	-206.13	-862.91	32.11	2.895e+04	6783.49	-
46 3.030e+04	8	7.056e+04	1.006e+04	-0.02	-1500.00	0.0	95.03	1002.94	-33.77	2.812e+04	1.006e+04	-
46 6.141e+04	8	-9.672e+04	-6993.23	7.46e-03	0.0	500.0	95.03	-497.06	-33.77	2.812e+04	-6993.23	2.975e+04
46 8.592e+04	11	7.058e+04	1.750e+04	-0.02	-1500.00	0.0	77.18	1003.29	-62.03	2.982e+04	1.750e+04	-
46 1.071e+05	11	-9.683e+04	-1.374e+04	0.01	0.0	500.0	77.18	-496.71	-62.03	2.982e+04	-1.374e+04	2.982e+04
46 1.195e+05	18	4.789e+04	1.962e+04	-0.02	-1500.00	0.0	-107.27	687.79	83.72	2.726e+04	-2.227e+04	-
46 1.197e+05	18	-6.141e+04	-2.227e+04	0.01	0.0	500.0	-107.27	-812.21	83.72	2.726e+04	1.962e+04	-
46 8.398e+04	19	6.475e+04	2.289e+04	-0.02	-1500.00	0.0	-3.83	952.24	-85.38	2.982e+04	2.289e+04	-
46 1.023e+05	19	-8.592e+04	-1.983e+04	0.01	0.0	500.0	-3.83	-547.76	-85.38	2.982e+04	-1.983e+04	1.520e+04
46 5.811e+04	37	4.911e+04	1.052e+04	-0.02	-1500.00	0.0	-292.78	529.14	50.26	2.920e+04	-1.487e+04	3286.77
46 2.310e+04	37	-1.071e+05	-1.487e+04	0.02	0.0	500.0	-292.78	-970.86	50.26	2.920e+04	1.052e+04	-
46 5.507e+04	40	8.555e+04	1.549e+04	-0.02	-1500.00	0.0	181.69	1110.88	-51.92	2.787e+04	1.549e+04	-
46 2.382e+04	40	-1.195e+05	-1.073e+04	5.33e-03	0.0	500.0	181.69	-389.12	-51.92	2.787e+04	-1.073e+04	6.094e+04
46 5.811e+04	43	8.558e+04	2.725e+04	-0.02	-1500.00	0.0	153.47	1111.43	-96.63	3.056e+04	2.725e+04	-
46 1.391e+04	43	-1.197e+05	-2.142e+04	0.02	0.0	500.0	153.47	-388.57	-96.63	3.056e+04	-2.142e+04	6.105e+04
46 8.398e+04	50	4.806e+04	3.100e+04	-0.02	-1500.00	0.0	-132.55	609.87	132.49	2.652e+04	-3.530e+04	-
46 1.023e+05	50	-8.398e+04	-3.530e+04	0.01	0.0	500.0	-132.55	-890.13	132.49	2.652e+04	3.100e+04	-
46 5.811e+04	51	7.450e+04	3.592e+04	-0.02	-1500.00	0.0	21.45	1030.16	-134.15	3.055e+04	3.592e+04	-
46 2.310e+04	51	-1.023e+05	-3.121e+04	0.01	0.0	500.0	21.45	-469.84	-134.15	3.055e+04	-3.121e+04	3.778e+04
46 5.507e+04	69	5.314e+04	310.59	-0.02	-1500.00	0.0	-55.55	820.01	-0.83	2.854e+04	310.59	-
46 2.310e+04	69	-5.811e+04	-104.87	0.01	0.0	500.0	-55.55	-679.99	-0.83	2.854e+04	-104.87	-
46 5.507e+04	70	5.430e+04	411.76	-0.02	-1500.00	0.0	-51.72	812.49	-1.11	3.810e+04	411.76	-
46 2.382e+04	70	-5.507e+04	-143.23	0.01	0.0	500.0	-51.72	-687.51	-1.11	3.810e+04	-143.23	-
46 5.811e+04	71	5.314e+04	310.59	-0.02	-1500.00	0.0	-55.55	820.01	-0.83	2.854e+04	310.59	-



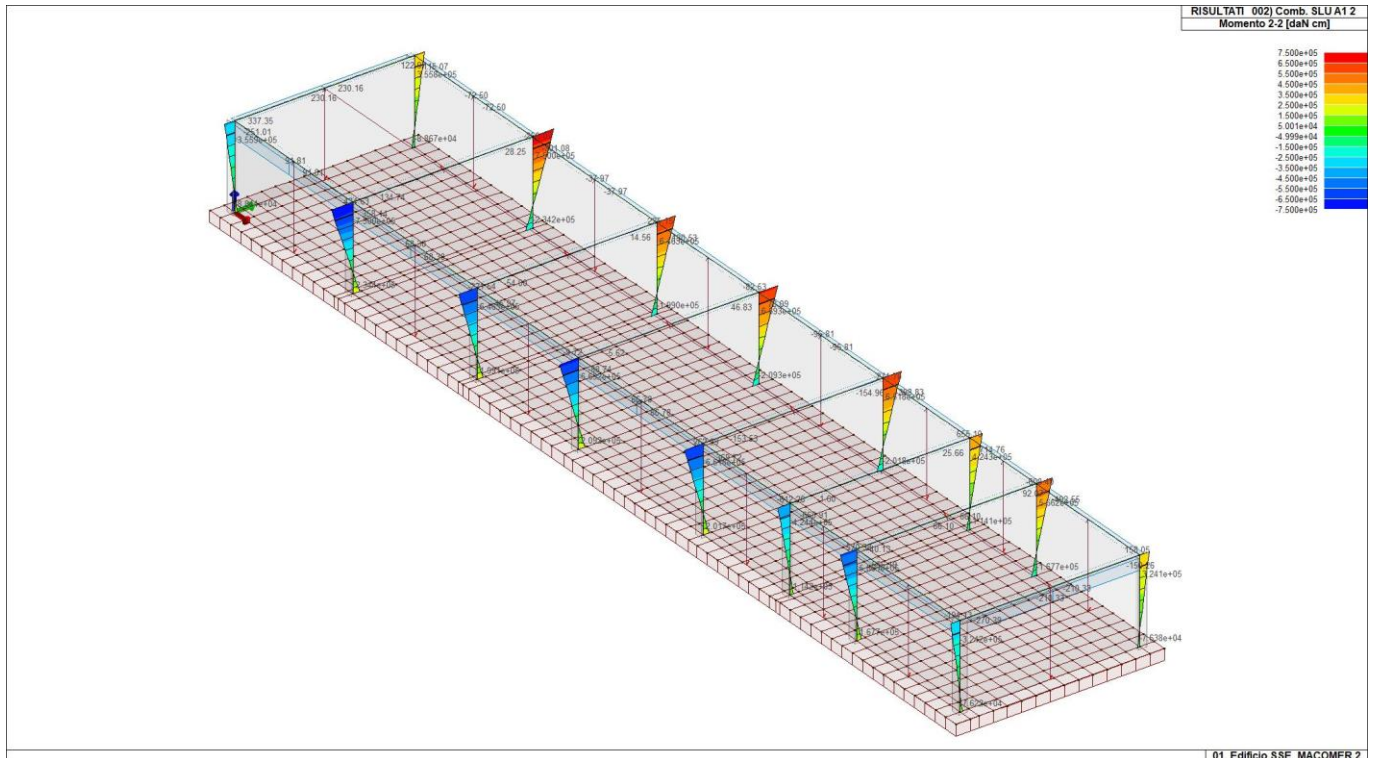
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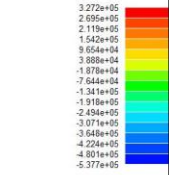
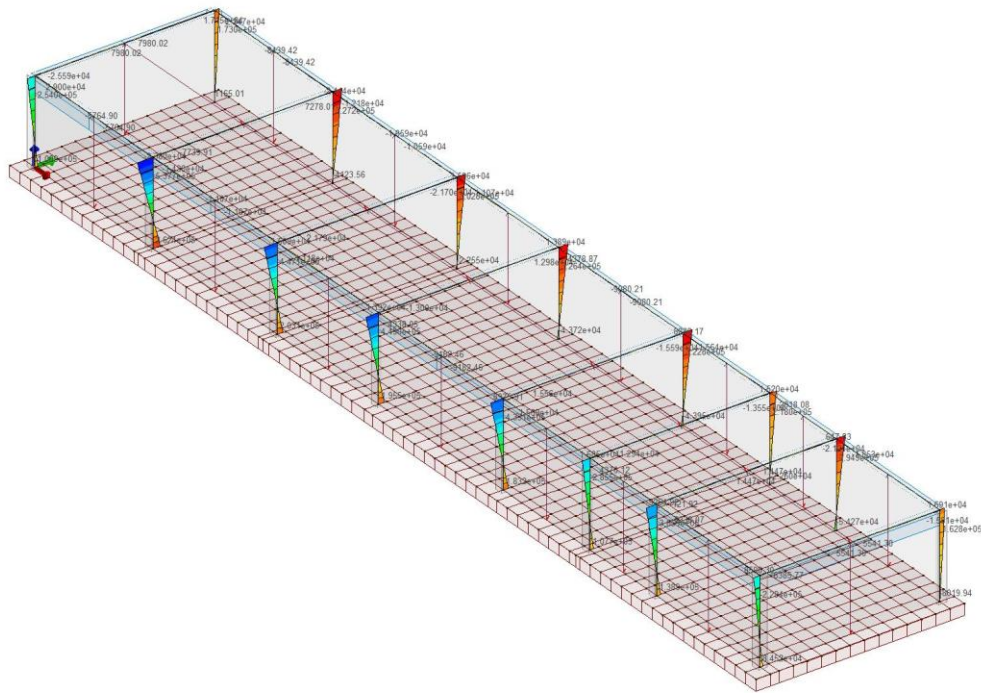
300 di/of 486

5.811e+04	-5.811e+04	-104.87	0.01	0.0	500.0	-55.55	-679.99	-0.83	2.854e+04	-104.87	-	
2.310e+04	72	5.337e+04	330.83	-0.02	-1500.00	0.0	-54.78	818.51	-0.89	3.045e+04	330.83	-
5.750e+04												
2.325e+04	-5.750e+04	-112.54	0.01	0.0	500.0	-54.78	-681.49	-0.89	3.045e+04	-112.54	-	
Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T			
	-7.772e+05	-7.377e+04	-0.79	-2.474e+04		-3279.26	-1.237e+04	-430.39	-7.397e+04			
	1.171e+06	7.385e+04	0.61	0.0		478.33	1.237e+04	430.50	7.397e+04			



43_RIS_M2_002_Comb. SLU A1 2

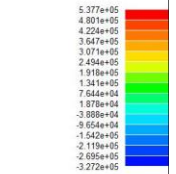
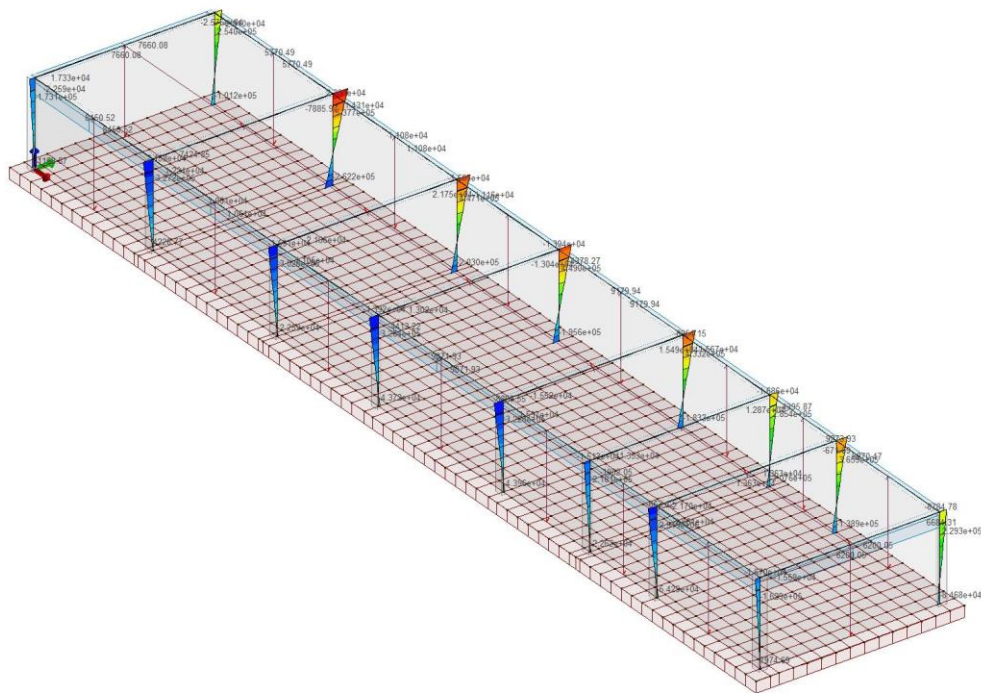
RISULTATI 032 Comb. SLU A1 (SLV sism.) 32
Momento 2-2 [daN cm]



01_Edificio SSE_MACOMER 2

43_RIS_M2_032_Comb. SLU A1 (SLV sism.) 32

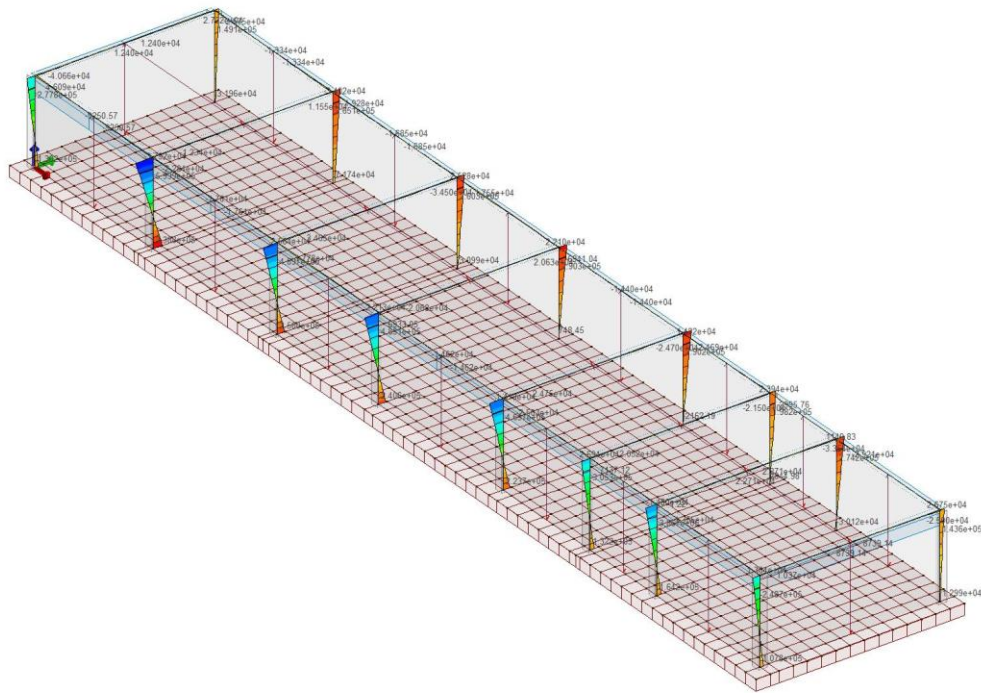
RISULTATI 035 Comb. SLU A1 (SLV sism.) 35
Momento 2-2 [daN cm]



01_Edificio SSE_MACOMER 2

43_RIS_M2_035_Comb. SLU A1 (SLV sism.) 35

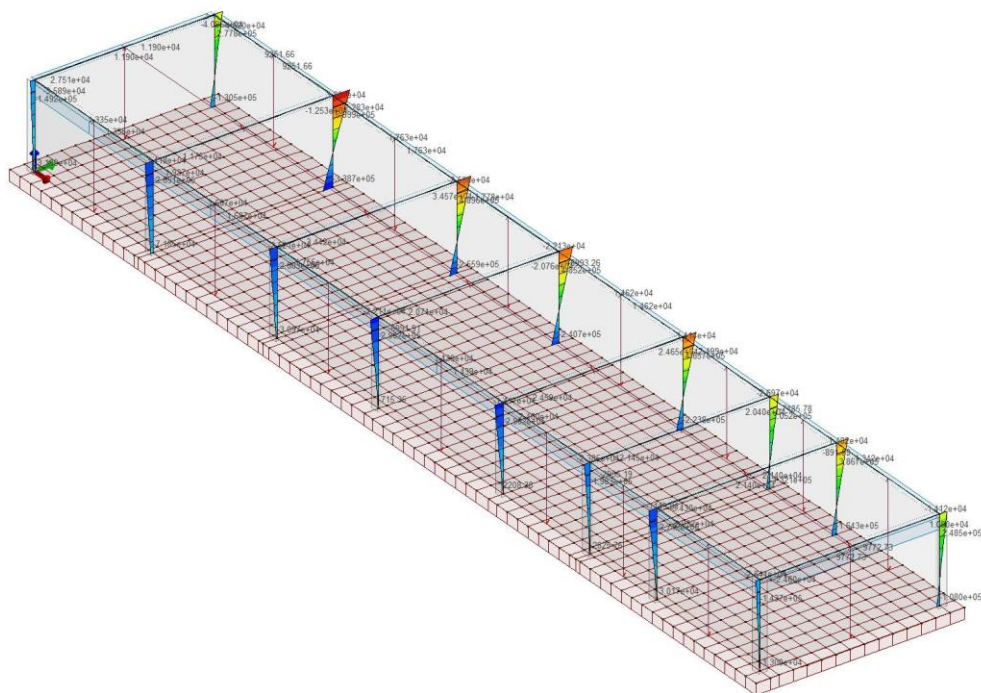
RISULTATI 064) Comb. SLE (SLD Danno sism.) 64
Momento 2-2 [daN cm]



01_Edificio SSE_MACOMER 2

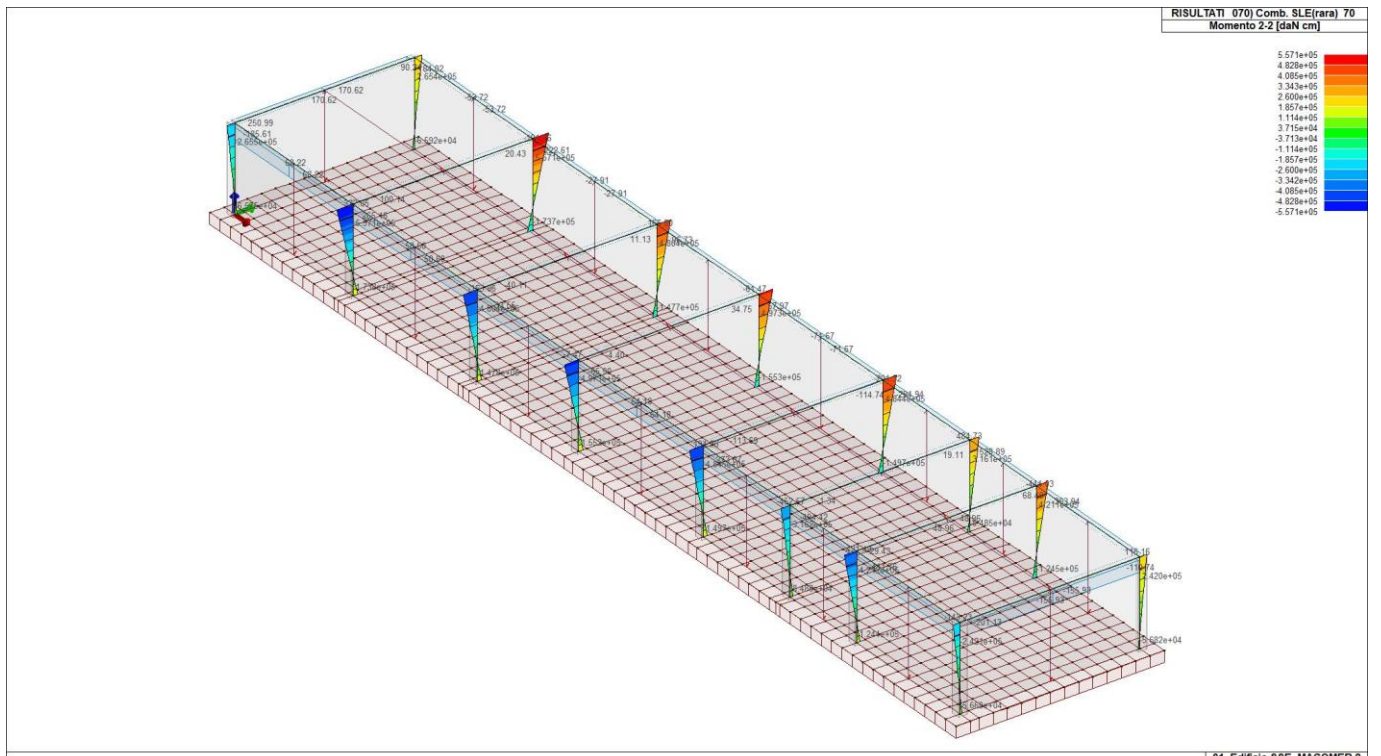
43_RIS_M2_064_Comb. SLE (SLD Danno sism.) 64

RISULTATI 067) Comb. SLE (SLD Danno sism.) 67
Momento 2-2 [daN cm]

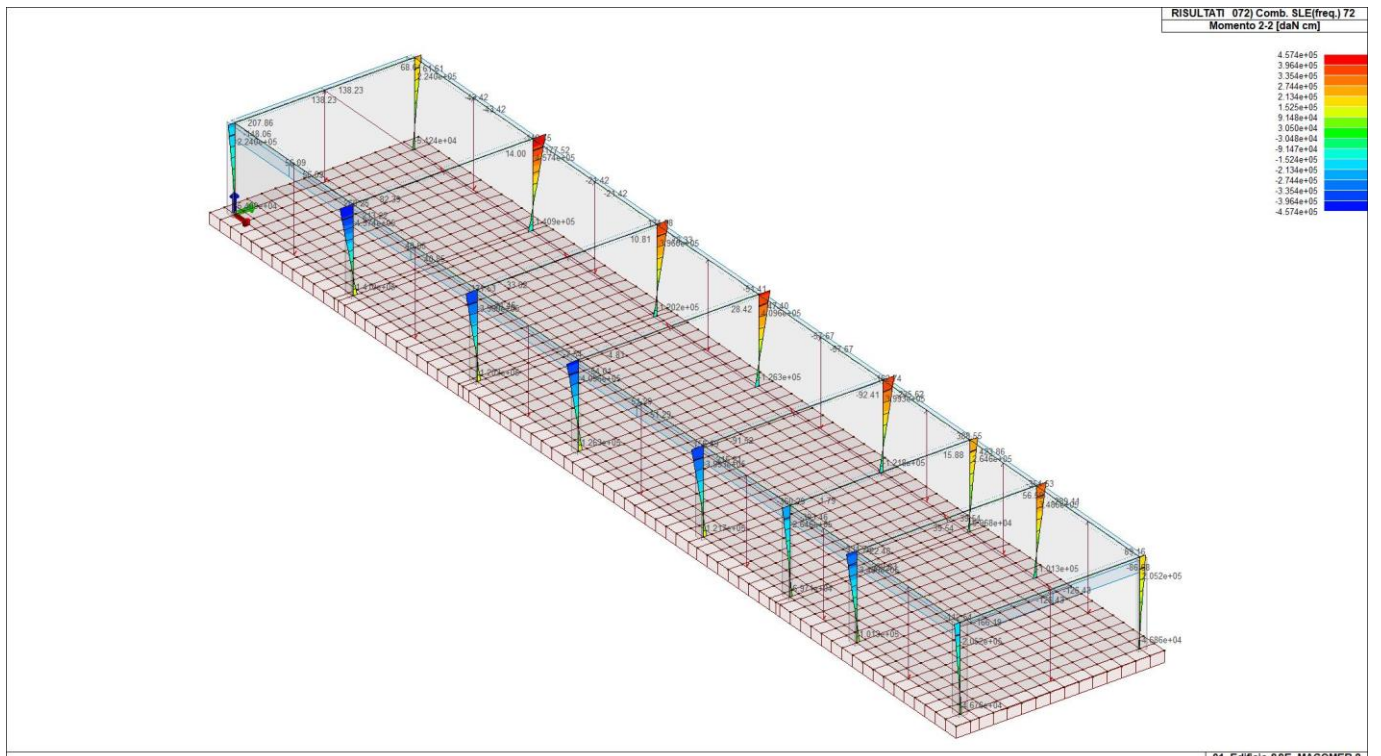


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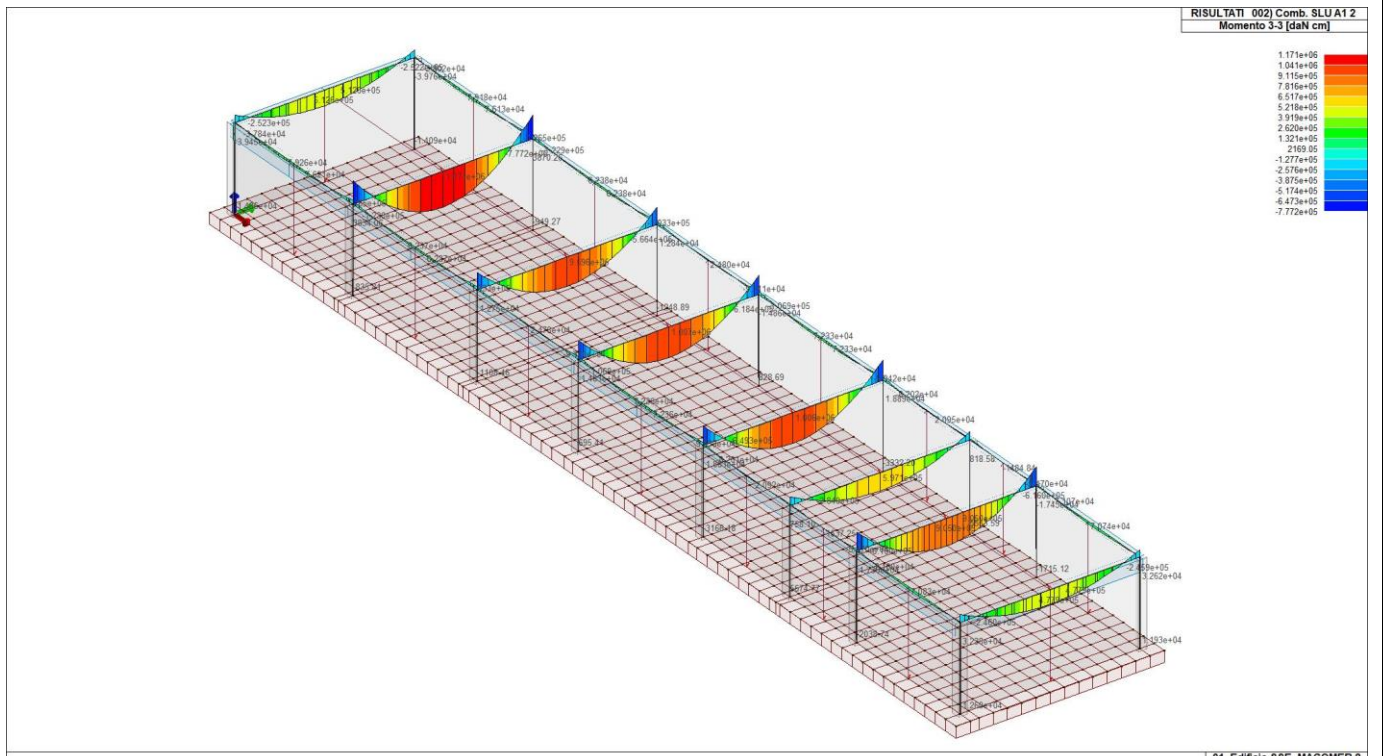
43_RIS_M2_067_Comb. SLE (SLD Danno sism.) 67



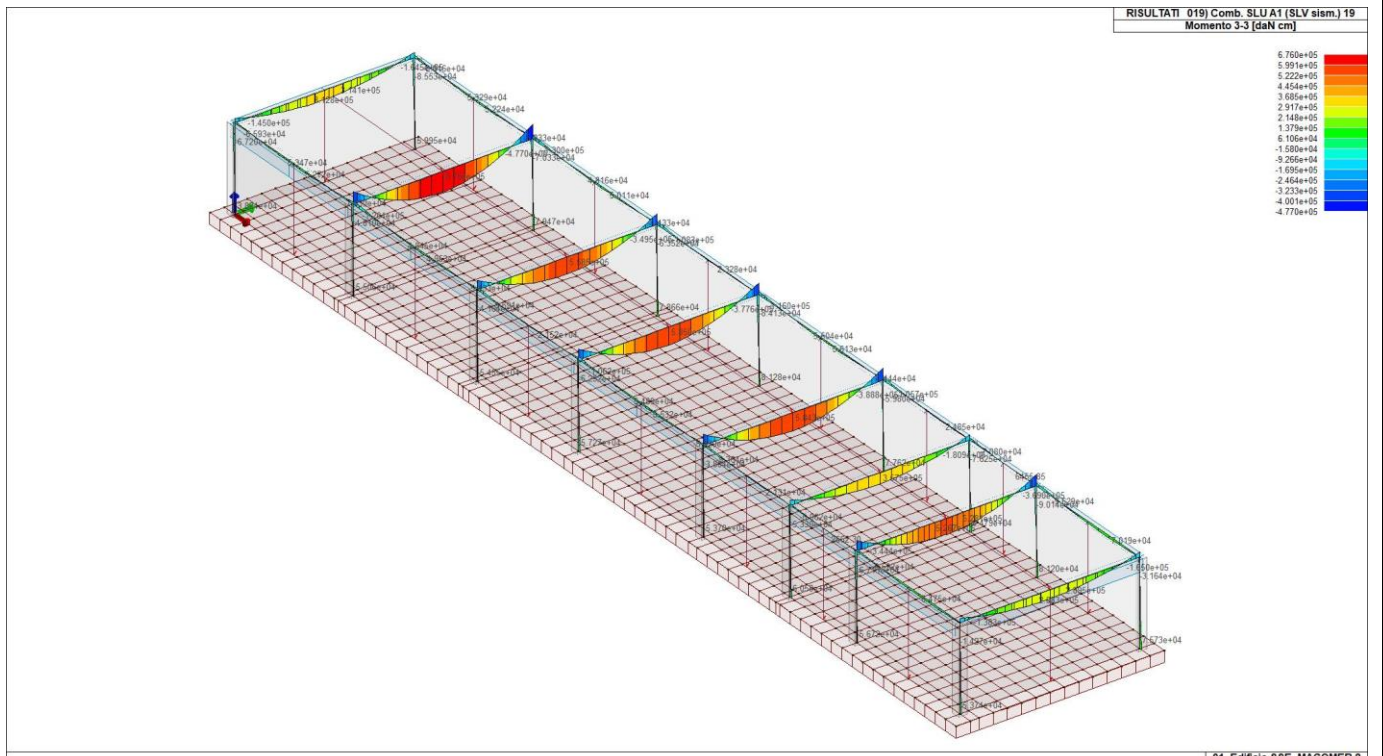
43_RIS_M2_070_Comb. SLE(rara) 70



43_RIS_M2_072_Comb. SLE(freq.) 72

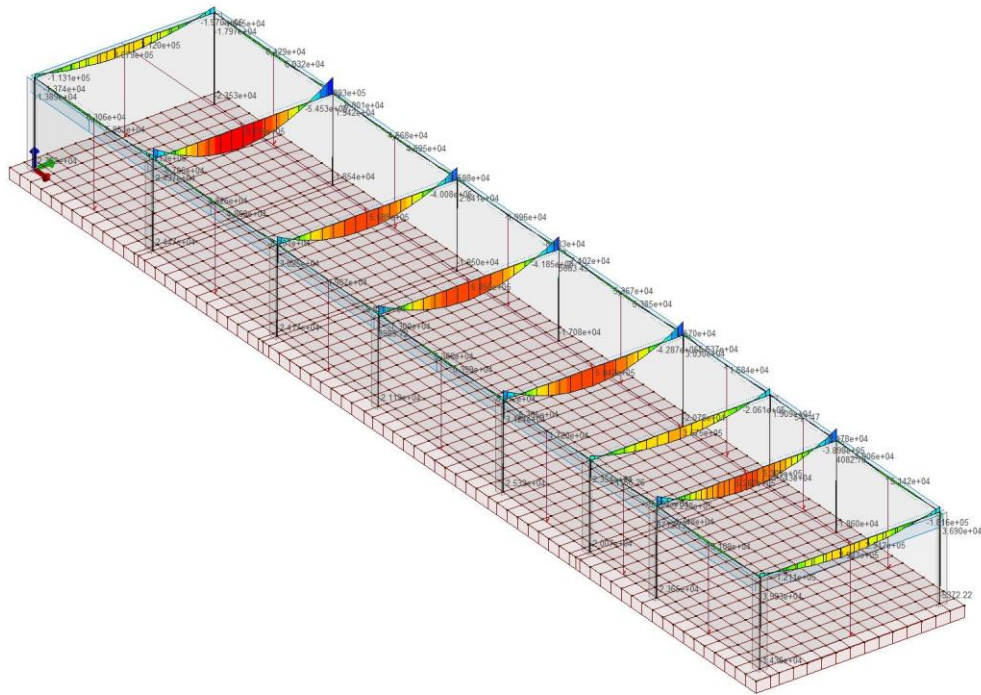


43_RIS_M3_002_Comb. SLU A1 2



43_RIS_M3_019_Comb. SLU A1 (SLV sism.) 19

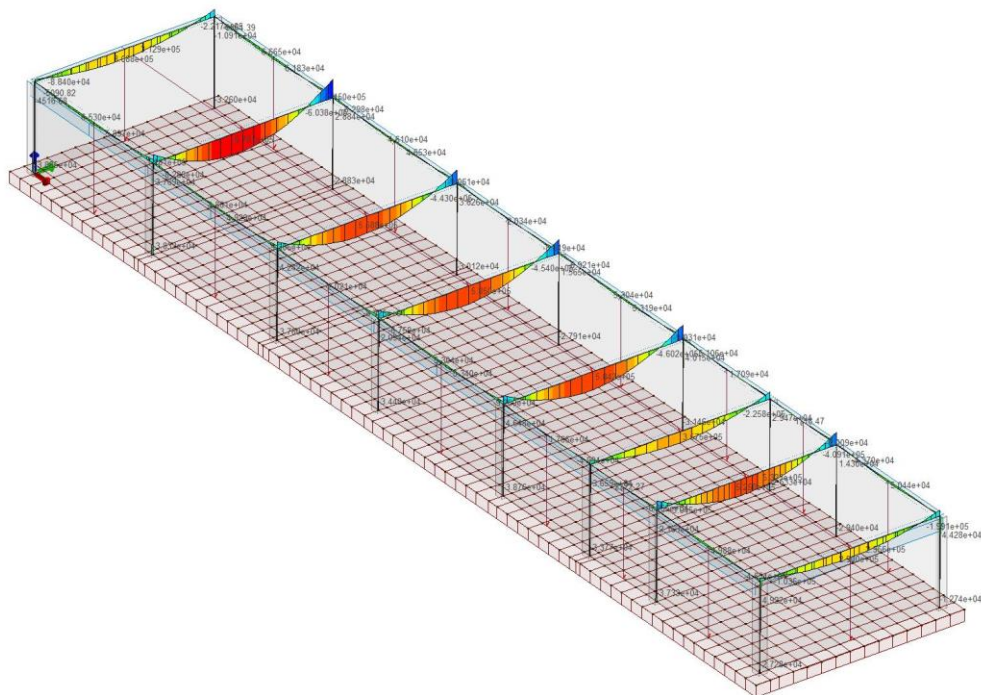
RISULTATI 029) Comb. SLU A1 (SLV sism.) 29
Momento 3-3 [daN cm]



01_Edificio SSE_MACOMER 2

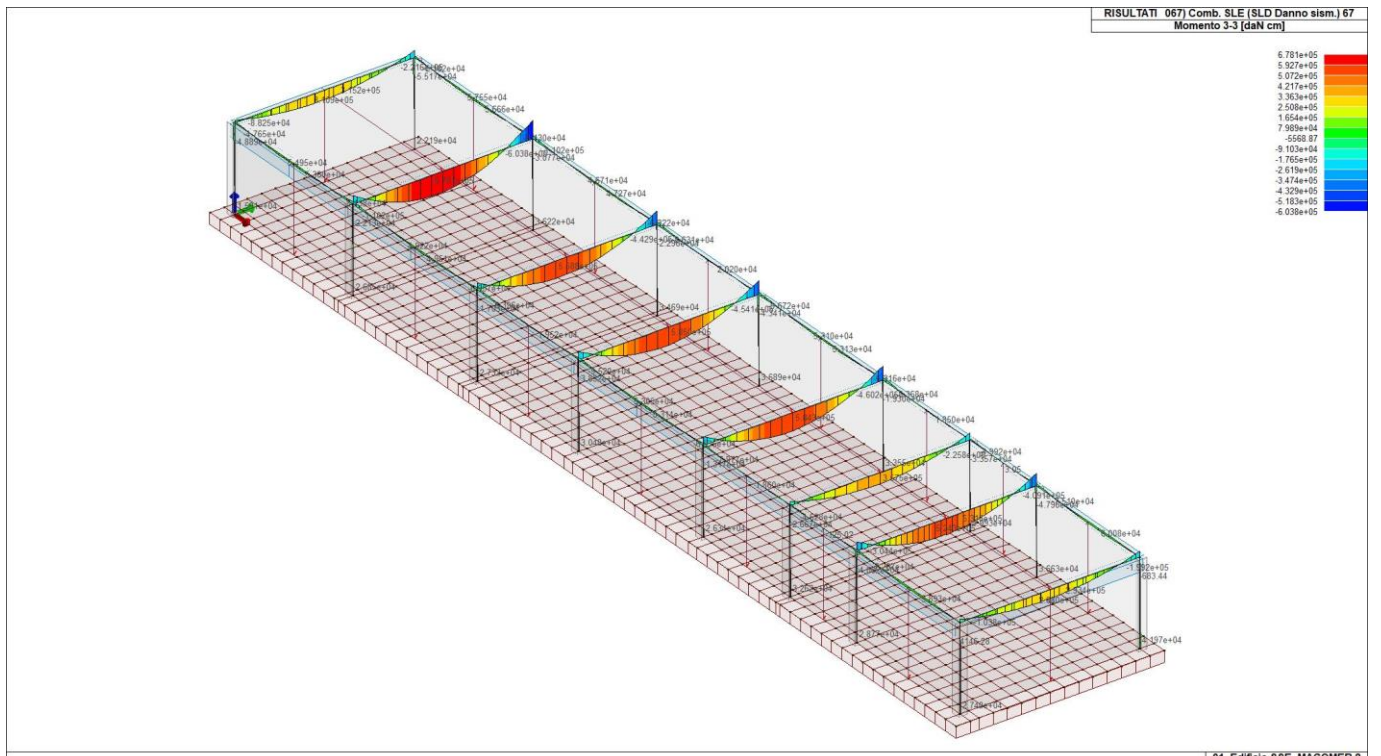
43_RIS_M3_029_Comb. SLU A1 (SLV sism.) 29

RISULTATI 061) Comb. SLE (SLD Danno sism.) 61
Momento 3-3 [daN cm]

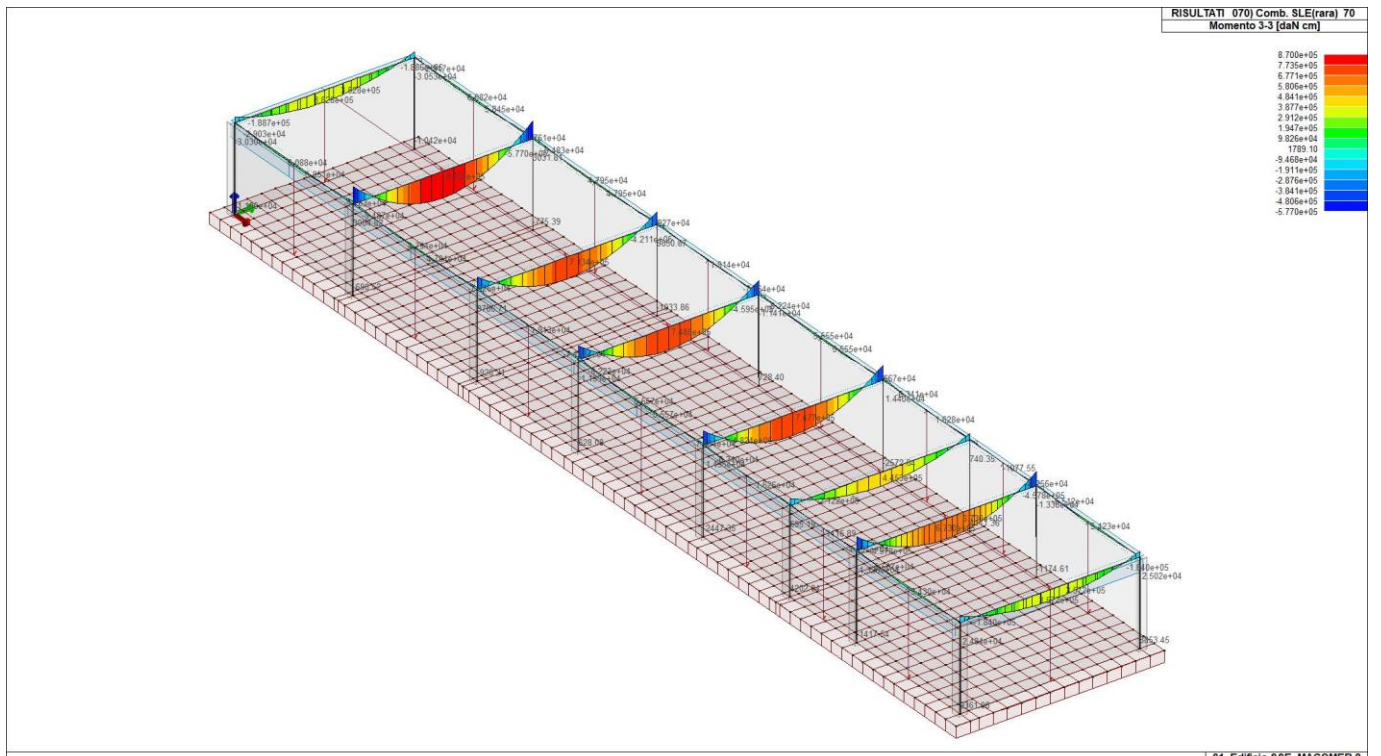


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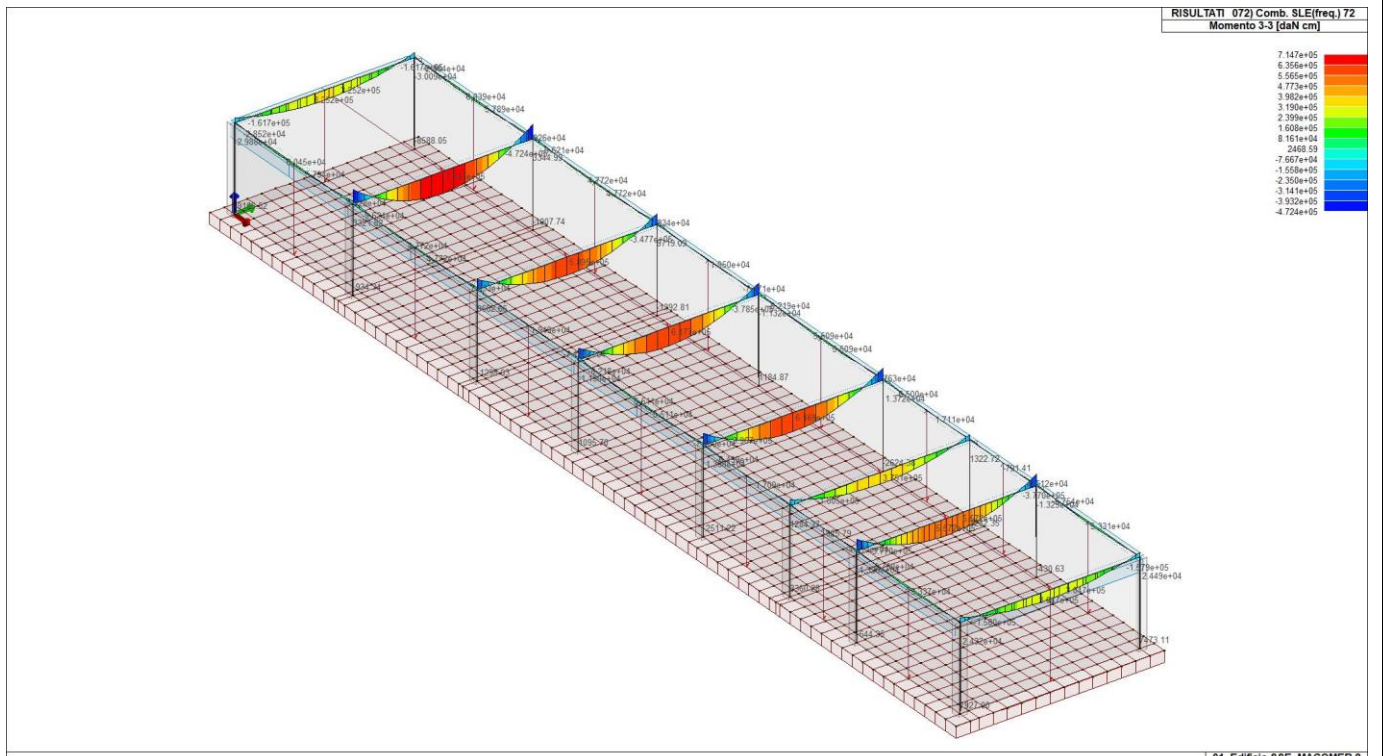
43_RIS_M3_061_Comb. SLE (SLD Danno sism.) 61



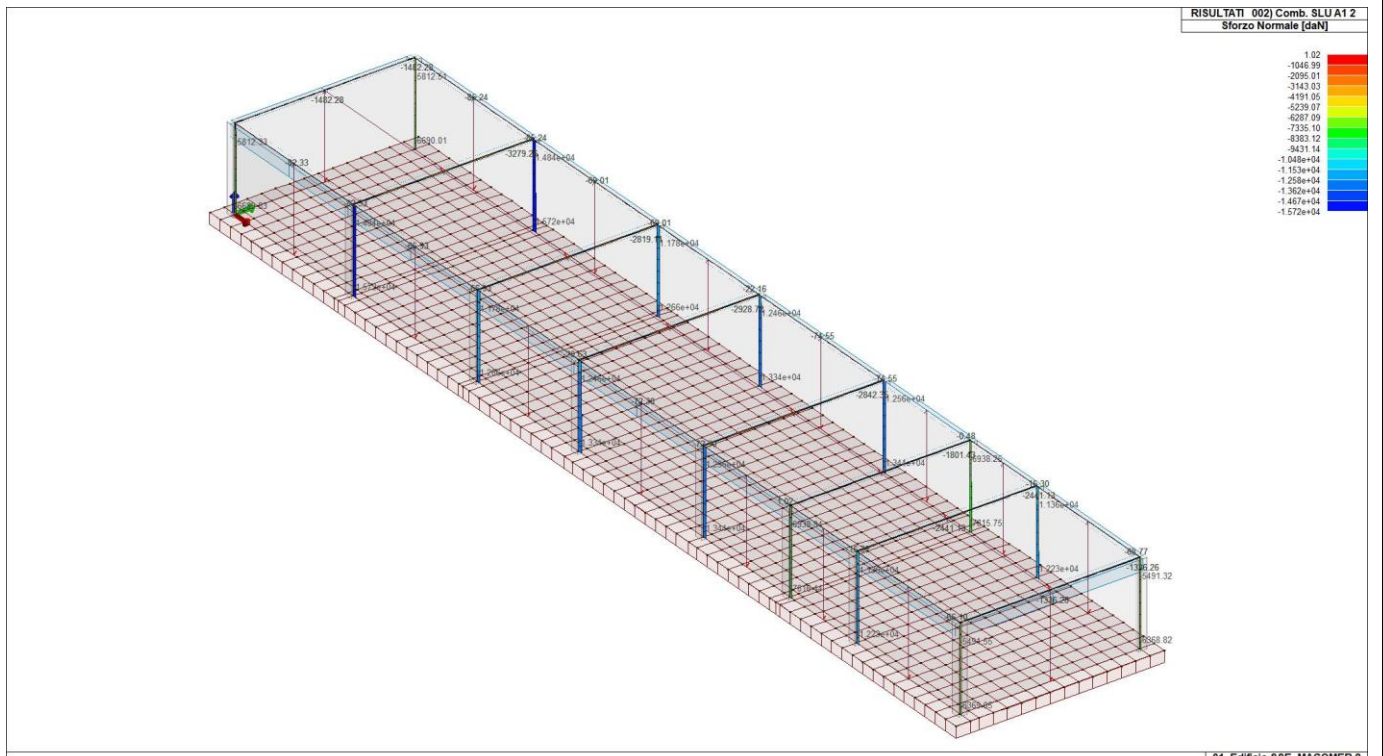
43_RIS_M3_067_Comb. SLE (SLD Danno sism.) 67



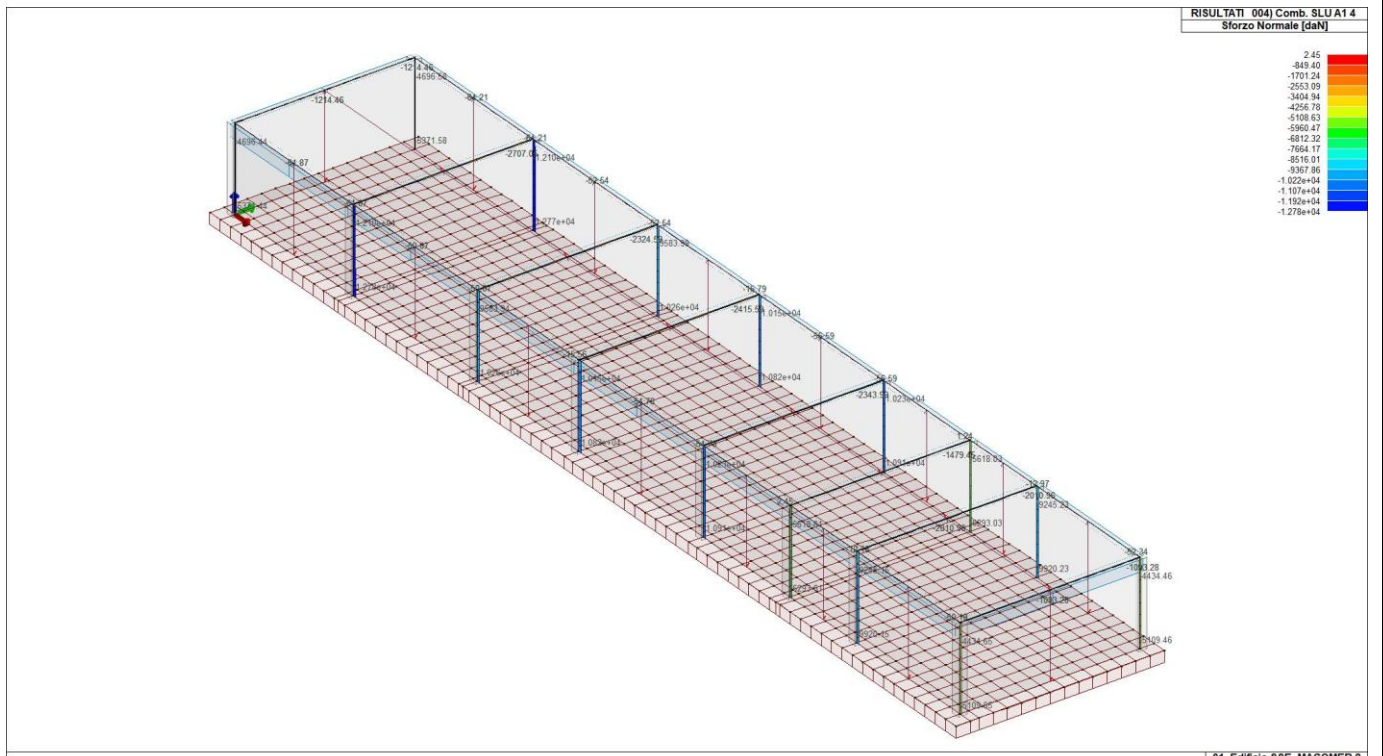
43_RIS_M3_070_Comb. SLE(rara) 70



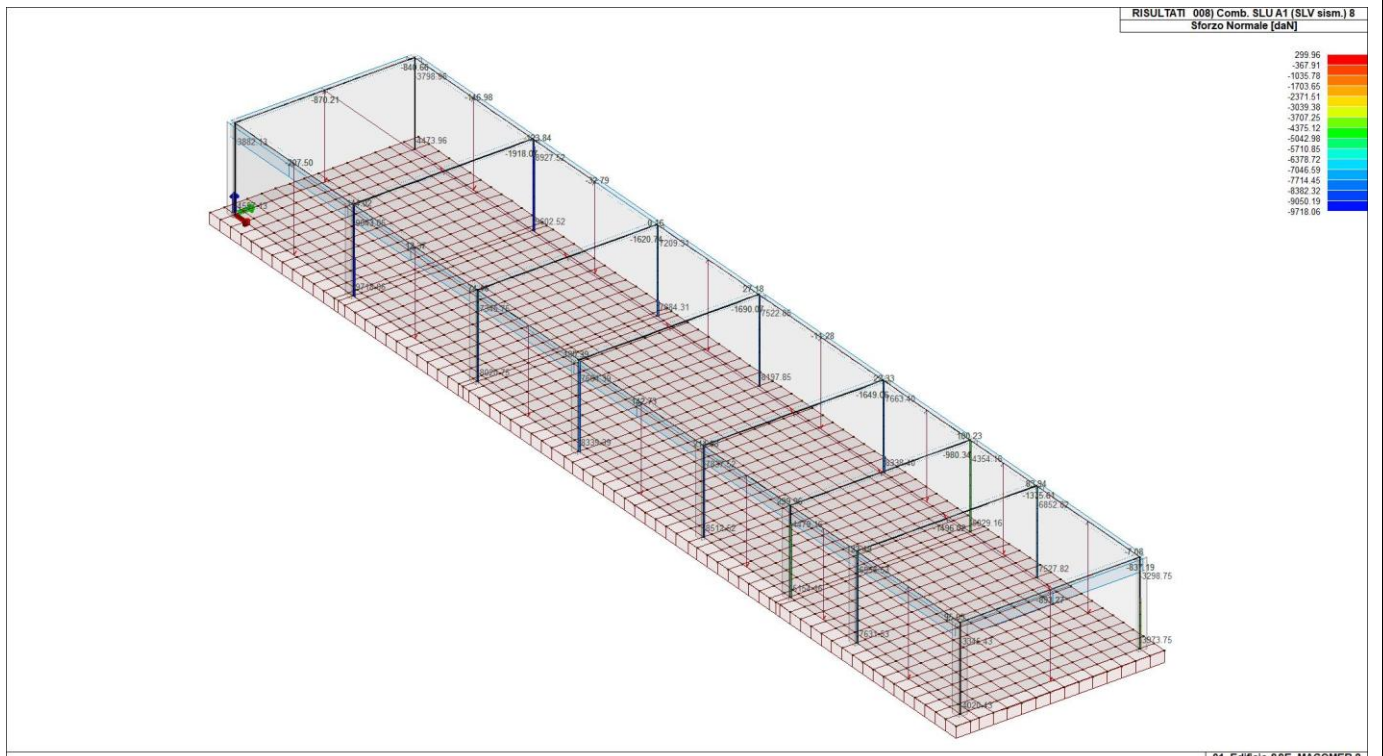
43_RIS_M3_072_Comb. SLE(freq.) 72



43_RIS_N_002_Comb. SLU A1 2

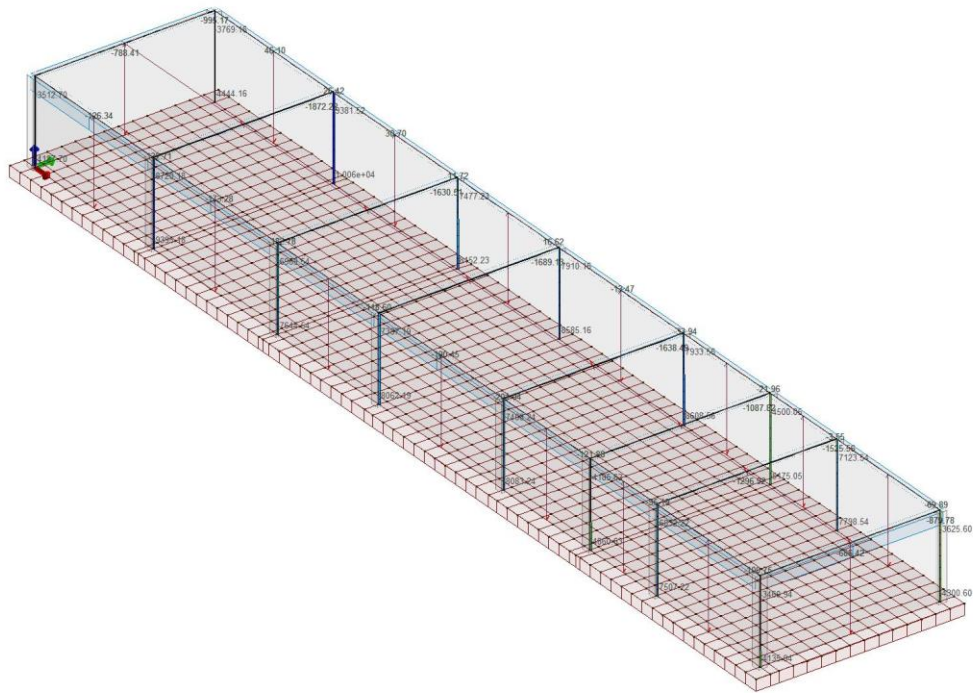


43_RIS_N_004_Comb. SLU A1 4



43_RIS_N_008_Comb. SLU A1 (SLV sism.) 8

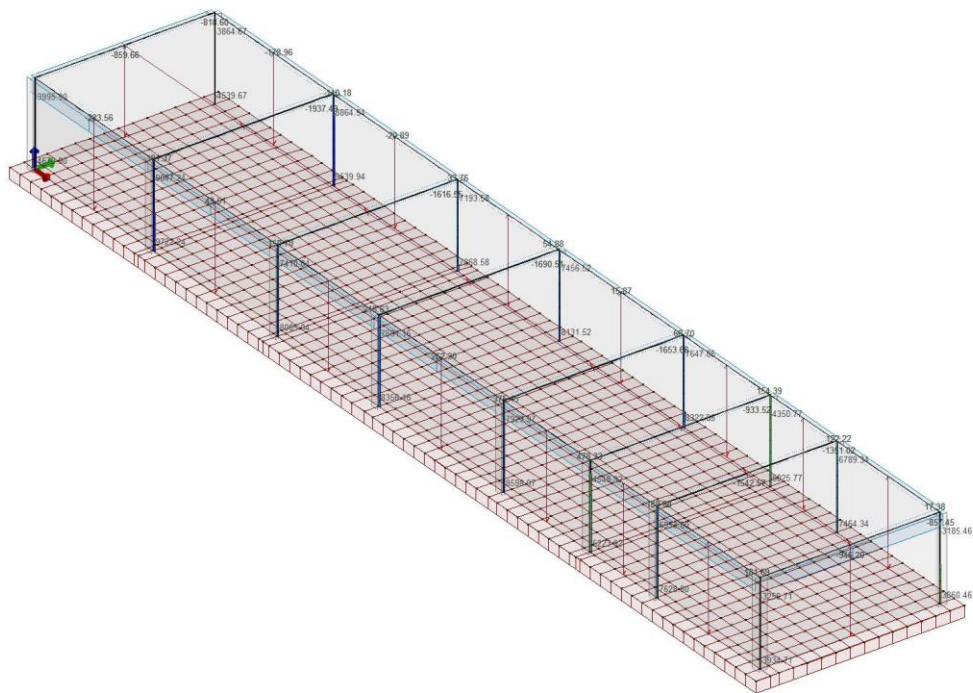
RISULTATI 033) Comb. SLU A1 (SLV sism.) 33
Sforzo Normale [daN]



01_Edificio SSE_MACOMER 2

43_RIS_N_033_Comb. SLU A1 (SLV sism.) 33

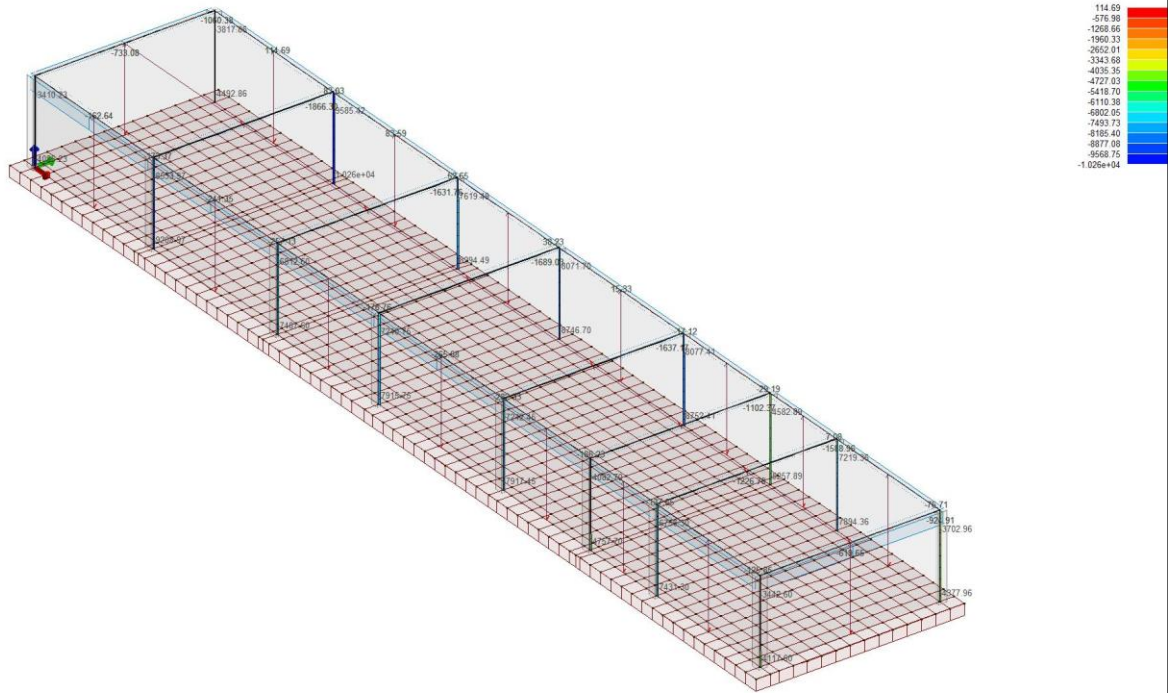
RISULTATI 040) Comb. SLE (SLD Danno sism.) 40
Sforzo Normale [daN]



01_Edificio SSE_MACOMER 2

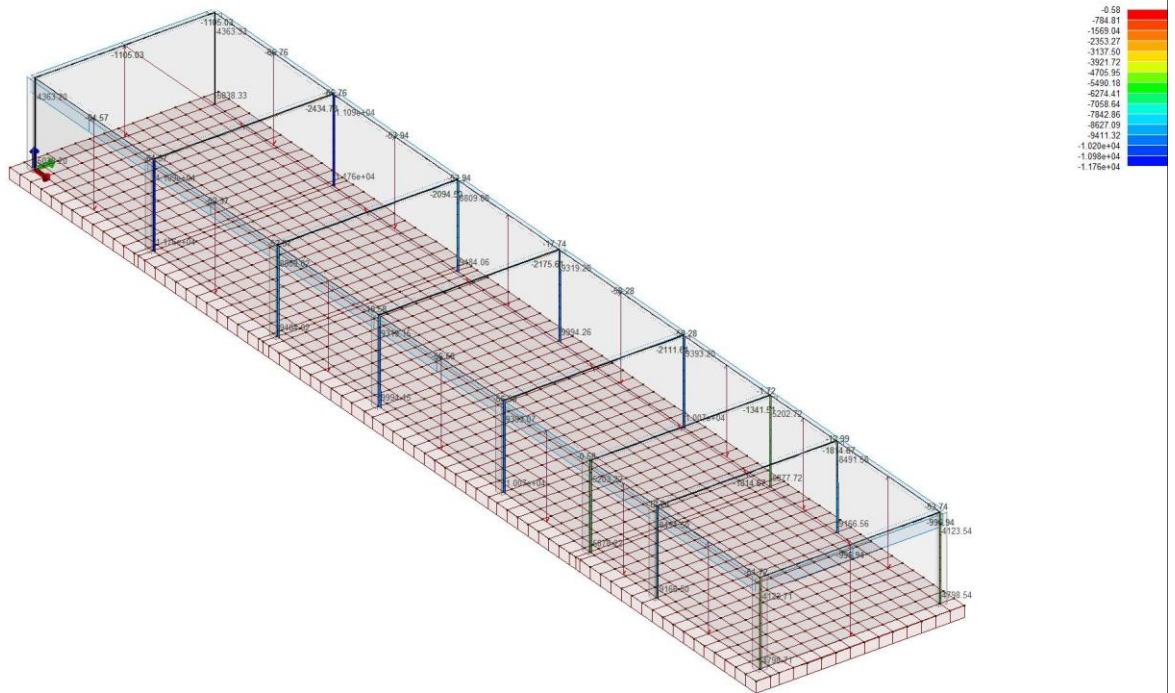
43_RIS_N_040_Comb. SLE (SLD Danno sism.) 40

RISULTATI 065) Comb. SLE (SLD Danno sism.) 65
Sforzo Normale [daN]

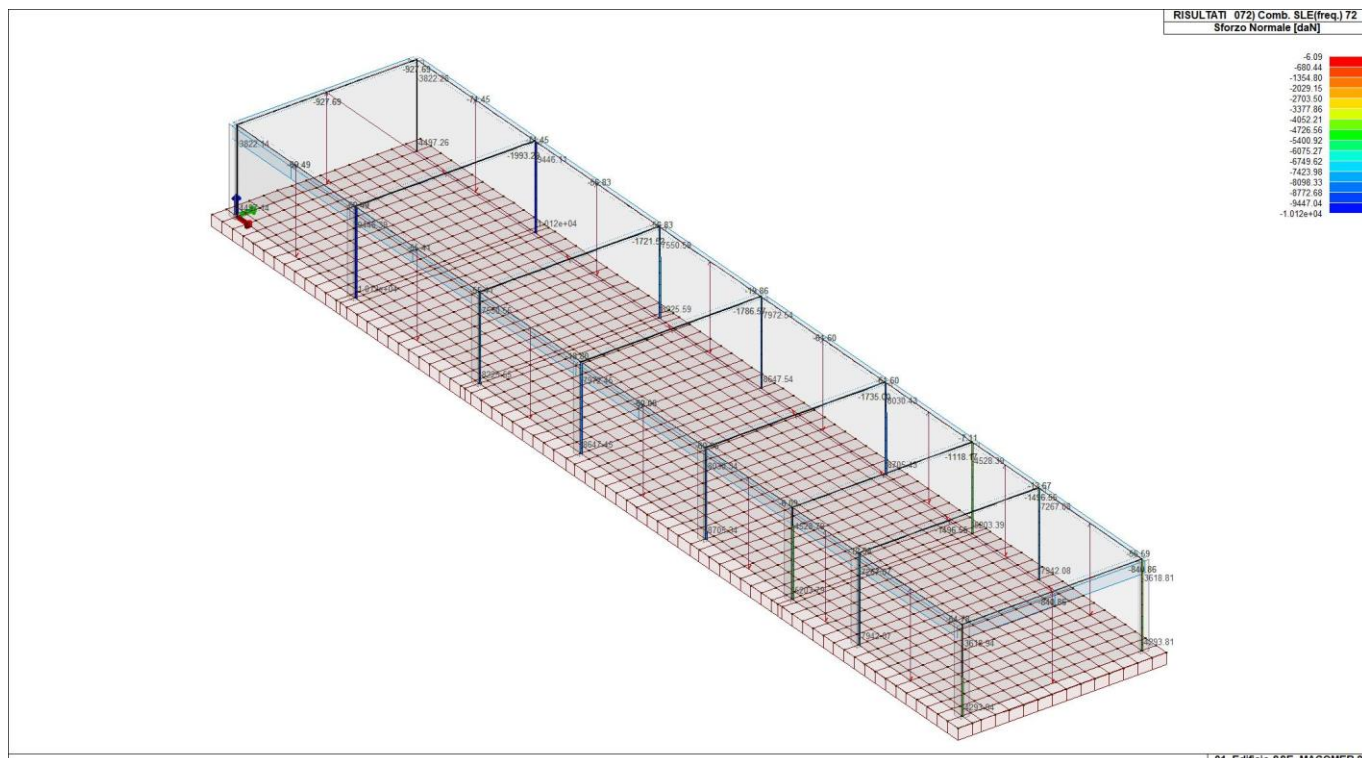


43_RIS_N_065_Comb. SLE (SLD Danno sism.) 65

RISULTATI 070) Comb. SLE(rara) 70
Sforzo Normale [daN]



43_RIS_N_070_Comb. SLE(rara) 70



43_RIS_N_072_Comb. SLE(freq.) 72

16. RISULTATI ELEMENTI TIPO SHELL

16.1. LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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

<p>Azione N</p>	<p>Azione N 1-2</p>
<p>Azione M</p>	<p>Azione M 1-2</p>
<p>orientamento per stampa setti</p>	<p>orientamento per stampa gusci</p>

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
N1-2	M1
M2	M1-2

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)



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_0 attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

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

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

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

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

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

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
1	2	1	3.40	-4.13	2.89	-3.62	-1.89	-648.29	-1926.55	-1389.86	-1184.98	630.87
1	2	3	1.99	-2.14	1.85	-2.00	0.73	-616.43	-1895.18	-1377.16	-1134.44	-627.75
1	2	9	-0.36	-12.91	-3.11	-10.16	-5.19	-1294.62	-2338.40	-2328.21	-1304.81	-102.60
1	2	11	9.20	-11.83	-3.91	1.28	-10.19	-2315.44	-5006.24	-4998.15	-2323.54	147.39
1	2	12	10.11	-11.55	7.98	-9.41	-6.46	-2559.83	-4733.78	-4733.77	-2559.84	-5.45
1	2	13	13.00	-9.01	11.29	-7.30	5.89	-2412.59	-4672.47	-4650.88	-2434.18	-219.85
1	2	15	12.98	-9.27	11.46	-7.75	5.61	-2468.72	-4679.79	-4679.62	-2468.89	19.46
1	2	17	3.92	-5.52	-2.21	0.61	4.51	-1225.13	-2313.37	-2296.19	-1242.31	135.65
1	2	21	0.51	-23.42	-4.40	-18.51	9.67	-2415.95	-5061.91	-5044.73	-2433.13	-212.51
1	2	22	0.10	-27.52	-4.90	-22.52	10.64	-3169.00	-6766.95	-6760.67	-3175.28	-150.20
1	2	23	9.93	-11.79	7.53	-9.39	-6.80	-2496.17	-4730.13	-4703.22	-2523.08	243.72
1	2	24	5.25	1.52	1.75	5.02	0.89	1765.53	48.20	58.77	1754.97	134.30
1	2	25	6.19	-7.45	6.18	-7.44	0.34	-2277.28	-4128.03	-4095.90	-2309.41	241.72
1	2	27	9.85	-6.84	9.85	-6.84	-0.30	-2195.27	-4072.07	-4041.12	-2226.22	-239.01
1	2	29	11.06	-11.18	5.25	-5.37	-9.77	1004.62	-420.71	535.34	48.57	669.82
1	2	30	10.85	-4.52	-2.66	8.99	-5.02	1394.13	-433.98	408.43	551.71	911.25
1	2	31	19.52	-15.50	18.75	-14.73	-5.14	926.93	-706.94	-433.99	653.99	609.47
1	2	32	8.94	2.00	3.34	7.59	2.74	1659.99	33.12	504.23	1188.89	737.89
1	2	33	10.94	7.06	8.47	9.53	1.86	1628.02	-185.61	129.83	1312.58	687.45
1	2	34	7.73	0.33	1.16	6.90	2.34	1726.87	265.59	504.69	1487.78	540.57



1	2	35	8.73	0.35	0.48	8.60	1.03	1833.35	-24.45	189.35	1619.55	592.86
1	2	36	6.44	-6.14e-03	0.38	6.06	1.53	1756.13	367.21	481.00	1642.33	380.92
1	2	37	7.00	-0.10	-5.20e-02	6.95	0.58	1891.07	90.91	201.45	1780.54	432.16
1	2	38	5.53	0.16	0.31	5.37	0.90	1754.19	411.31	453.11	1712.40	233.19
1	2	39	6.13	-3.21e-02	-6.25e-03	6.10	0.40	1889.49	154.86	197.17	1847.17	267.60
1	2	40	5.06	0.31	0.34	5.03	0.37	1744.88	427.77	434.48	1738.17	93.76
1	2	41	5.70	2.77e-02	3.43e-02	5.70	0.19	1875.91	184.71	191.61	1869.01	107.77
1	2	42	5.00	0.34	0.34	5.00	-0.12	1742.52	430.50	431.83	1741.18	-41.90
1	2	43	5.62	3.42e-02	3.43e-02	5.62	-2.63e-02	1872.80	189.47	190.91	1871.36	-49.15
1	2	44	5.37	0.23	0.31	5.28	-0.65	1749.59	421.87	446.51	1724.95	-179.19
1	2	45	5.89	-1.51e-02	-6.50e-03	5.88	-0.23	1883.88	170.59	196.20	1858.27	-207.89
1	2	46	6.21	9.23e-02	0.38	5.92	-1.29	1756.56	393.62	474.97	1675.21	-322.89
1	2	47	6.61	-8.58e-02	-6.24e-02	6.59	-0.40	1894.85	122.64	204.56	1812.93	-372.12
1	2	48	7.56	0.39	1.16	6.79	-2.22	1743.81	324.74	508.39	1560.15	-476.32
1	2	49	8.18	0.27	0.35	8.11	-0.78	1870.09	34.10	208.58	1695.60	-538.43
1	2	50	9.54	1.64	3.57	7.61	-3.39	1703.92	162.35	530.05	1336.23	-656.99
1	2	51	10.76	6.34	7.42	9.68	-1.90	1751.88	-81.84	201.82	1468.22	-663.09
1	2	52	8.21	-4.64	0.99	2.59	6.37	1482.63	-267.32	418.36	796.94	-854.25
1	2	53	18.53	-5.93	17.09	-4.49	5.76	1284.23	-405.41	-74.47	953.29	-670.55
1	2	54	9.82	-11.21	-2.36	0.97	10.38	979.40	-444.73	491.44	43.23	-675.88
1	2	55	1.85	-6.94	-6.77	1.68	-1.22	1480.62	-149.98	1078.24	252.40	703.00
1	2	56	2.28	1.38	1.93	1.73	0.44	1560.49	117.89	1057.65	620.73	687.42
1	2	57	6.20	-4.51e-03	1.94	4.25	2.88	1601.31	384.41	900.13	1085.59	601.34
1	2	58	5.82	-4.12e-02	1.54	4.24	2.60	1615.38	543.57	797.39	1361.57	455.65
1	2	59	5.07	0.18	1.09	4.17	1.90	1628.15	601.64	713.19	1516.60	319.47
1	2	60	4.41	0.55	0.92	4.03	1.15	1631.21	612.84	651.31	1592.74	194.14
1	2	61	4.00	0.83	0.89	3.93	0.46	1629.37	610.09	616.09	1623.37	77.94
1	2	62	3.95	0.88	0.89	3.94	-0.21	1628.48	609.51	610.65	1627.34	-34.01
1	2	63	4.29	0.68	0.93	4.05	-0.90	1629.80	613.69	635.59	1607.90	-147.56
1	2	64	4.94	0.39	1.11	4.22	-1.66	1629.12	612.29	688.64	1552.76	-267.98
1	2	65	5.66	0.25	1.64	4.27	-2.36	1620.48	579.01	764.40	1435.10	-398.38
1	2	66	5.30	0.80	2.18	3.93	-2.07	1604.17	461.07	853.27	1211.96	-542.69
1	2	67	6.32	0.22	1.32	5.22	-2.34	1590.09	227.66	992.90	824.85	-676.01
1	2	68	2.04	-4.78	-4.63	1.89	1.00	1493.89	-137.49	1091.19	265.21	-703.41
1	2	69	-0.11	-3.90	-3.89	-0.12	-0.13	1727.71	134.21	1534.90	327.02	519.69
1	2	70	0.66	-1.53	-1.52	0.65	0.14	1619.92	400.48	1394.43	625.98	473.42
1	2	71	2.26	-0.31	1.17	0.77	1.27	1514.16	672.55	1186.29	1000.42	410.41
1	2	72	3.54	-0.14	1.73	1.67	1.84	1478.25	797.89	1014.93	1261.22	317.10
1	2	73	3.57	0.35	1.65	2.27	1.58	1496.09	801.86	882.44	1415.51	222.37
1	2	74	3.21	0.91	1.56	2.56	1.03	1521.66	765.20	789.96	1496.91	134.59
1	2	75	2.82	1.39	1.52	2.69	0.41	1535.83	735.40	739.06	1532.17	53.99
1	2	76	2.77	1.48	1.52	2.73	-0.22	1537.76	730.15	730.81	1537.10	-23.07
1	2	77	3.13	1.10	1.57	2.67	-0.85	1528.00	751.77	765.29	1514.48	-101.57
1	2	78	3.55	0.61	1.70	2.46	-1.42	1505.87	789.36	841.44	1453.78	-186.03
1	2	79	3.63	0.20	1.86	1.97	-1.72	1480.57	808.75	957.35	1331.97	-278.84
1	2	80	2.90	-1.71e-02	1.51	1.37	-1.46	1490.09	738.18	1112.88	1115.39	-375.96
1	2	81	1.18	-0.59	-0.37	0.97	-0.58	1568.48	516.48	1306.35	778.62	-455.03
1	2	82	0.13	-3.69	-3.68	0.13	0.11	1726.55	132.68	1532.43	326.80	-521.26
1	2	83	-0.23	-4.32	-4.30	-0.26	-0.32	1774.31	307.34	1735.92	345.72	234.16
1	2	84	-0.28	-2.24	-2.23	-0.29	-9.85e-02	1621.11	575.35	1576.53	619.93	211.27
1	2	85	0.62	-0.48	0.28	-0.14	0.51	1414.17	884.71	1339.79	959.08	183.97
1	2	86	2.05	-0.15	1.50	0.39	0.95	1313.24	1021.42	1134.42	1200.24	142.15
1	2	87	2.52	0.38	1.91	0.99	0.96	1376.18	949.02	972.83	1352.37	97.99
1	2	88	2.46	0.99	2.02	1.43	0.68	1443.37	854.45	860.24	1437.58	58.11
1	2	89	2.17	1.54	2.03	1.68	0.26	1477.30	797.80	798.58	1476.51	23.08
1	2	90	2.12	1.64	2.04	1.73	-0.18	1482.28	788.23	788.36	1482.15	-9.56
1	2	91	2.46	1.17	2.04	1.58	-0.60	1459.75	826.59	829.56	1456.78	-43.28
1	2	92	2.61	0.63	2.01	1.23	-0.92	1405.12	908.14	921.81	1391.46	-81.28
1	2	93	2.33	0.13	1.75	0.71	-0.98	1326.86	1004.85	1063.94	1267.77	-124.64
1	2	94	1.27	-0.22	0.87	0.18	-0.66	1351.68	963.98	1252.63	1063.03	-169.09
1	2	95	-0.15	-1.08	-1.07	-0.16	-8.81e-02	1532.39	706.37	1478.57	760.19	-203.87
1	2	96	-0.18	-4.25	-4.22	-0.21	0.35	1772.85	303.31	1734.05	342.10	-235.58
1	2	97	-0.24	-4.42	-4.41	-0.26	-0.23	1776.19	345.79	1772.96	349.02	-67.88
1	2	98	-0.41	-2.59	-2.58	-0.42	-0.17	1612.68	613.79	1609.06	617.41	-60.01
1	2	99	-0.16	-0.41	-0.17	-0.39	6.33e-02	1371.25	937.97	1364.12	945.11	-55.14
1	2	100	1.34	-0.12	1.28	-6.05e-02	0.29	1216.49	1111.78	1148.02	1180.25	-49.81
1	2	101	2.06	0.35	1.99	0.42	0.34	1338.57	971.47	976.10	1333.95	-40.94
1	2	102	2.30	0.82	2.26	0.86	0.25	1424.45	854.99	856.35	1423.09	-27.81
1	2	103	2.34	1.13	2.34	1.13	7.58e-02	1465.10	790.81	791.01	1464.89	-11.76
1	2	104	2.35	1.18	2.34	1.19	-0.12	1471.04	780.06	780.10	1470.99	5.44
1	2	105	2.36	0.96	2.30	1.02	-0.29	1444.24	822.75	823.54	1443.46	22.07
1	2	106	2.21	0.56	2.11	0.66	-0.38	1376.96	918.62	921.52	1374.06	36.33
1	2	107	1.67	0.13	1.59	0.21	-0.34	1258.77	1061.44	1073.10	1247.12	46.52
1	2	108	0.49	-0.21	0.47	-0.19	-0.12	1284.45	1033.69	1272.93	1045.21	52.50
1	2	109	-0.34	-1.53	-1.50	-0.37	0.18	1512.65	749.32	1508.36	753.62	57.07
1	2	110	-0.23	-4.35	-4.32	-0.25	0.31	1774.73	341.98	1771.61	345.10	66.78



1	2	111	-0.20	-4.28	-4.28	-0.20	-0.15	1763.39	250.34	1665.75	347.98	-371.75
1	2	112	-0.30	-2.61	-2.58	-0.32	-0.23	1614.70	507.57	1503.96	618.31	-332.18
1	2	113	3.55e-03	-0.55	-0.28	-0.26	-0.28	1442.48	774.48	1263.09	953.86	-296.06
1	2	114	1.26	-2.39e-02	1.21	3.02e-02	-0.26	1381.67	871.27	1052.81	1200.13	-244.34
1	2	115	2.03	0.44	2.00	0.47	-0.23	1424.16	827.30	888.63	1362.82	-181.24
1	2	116	2.34	0.88	2.31	0.90	-0.19	1475.48	758.21	776.75	1456.94	-113.82
1	2	117	2.41	1.17	2.40	1.18	-0.12	1503.41	713.96	716.70	1500.66	-46.44
1	2	118	2.40	1.23	2.40	1.24	-3.91e-02	1507.50	706.15	706.66	1506.99	20.24
1	2	119	2.33	1.05	2.33	1.05	4.39e-02	1488.45	736.02	746.29	1478.19	87.27
1	2	120	2.10	0.69	2.09	0.70	0.12	1444.46	797.65	837.14	1404.97	154.87
1	2	121	1.51	0.25	1.48	0.28	0.21	1389.02	862.16	980.79	1270.38	220.07
1	2	122	0.48	-0.24	0.29	-5.30e-02	0.32	1398.45	833.44	1174.16	1057.73	276.44
1	2	123	-0.12	-1.70	-1.60	-0.23	0.39	1535.71	625.69	1404.98	756.41	319.18
1	2	124	-0.17	-4.17	-4.15	-0.19	0.28	1761.82	246.56	1664.74	343.64	371.04
1	2	125	-3.88e-02	-3.93	-3.91	-5.88e-02	-0.28	1719.61	16.26	1395.99	339.87	-668.21
1	2	126	0.12	-2.41	-2.33	3.37e-02	-0.46	1607.12	256.57	1245.13	618.57	-598.21
1	2	127	0.76	-0.65	-0.14	0.26	-0.67	1534.19	474.05	1024.25	983.99	-529.69
1	2	128	1.83	6.48e-02	1.29	0.61	-0.82	1526.97	575.83	841.52	1261.27	-426.75
1	2	129	2.47	0.60	1.97	1.10	-0.83	1551.69	597.69	709.55	1439.83	-306.92
1	2	130	2.59	1.16	2.17	1.57	-0.65	1574.89	588.58	625.77	1537.70	-187.88
1	2	131	2.39	1.66	2.19	1.86	-0.33	1586.49	577.04	582.74	1580.79	-75.65
1	2	132	2.19	1.90	2.19	1.91	5.00e-02	1587.91	574.47	575.51	1586.87	32.52
1	2	133	2.39	1.47	2.16	1.70	0.39	1579.78	582.48	603.33	1558.93	142.68
1	2	134	2.37	0.93	1.99	1.32	0.64	1559.90	594.21	669.78	1484.32	259.37
1	2	135	1.95	0.37	1.44	0.88	0.74	1531.86	589.16	782.02	1339.00	380.28
1	2	136	1.18	-0.38	0.27	0.53	0.77	1520.56	525.44	945.61	1100.39	491.51
1	2	137	0.52	-1.75	-1.47	0.24	0.75	1566.65	352.40	1153.81	765.23	575.20
1	2	138	3.73e-02	-3.79	-3.73	-2.23e-02	0.47	1718.03	12.08	1395.37	334.73	668.08
1	2	139	0.57	-3.49	-3.24	0.32	-0.98	1591.67	-377.50	905.65	308.52	-938.22
1	2	140	1.37	-2.32	-2.02	1.06	-1.02	1544.97	-153.13	784.81	607.03	-844.38
1	2	141	2.04	-0.60	0.12	1.32	-1.17	1596.44	58.99	616.64	1038.79	-739.17
1	2	142	3.12	0.13	1.52	1.73	-1.49	1654.08	220.01	503.88	1370.21	-571.41
1	2	143	3.67	0.58	1.87	2.38	-1.52	1688.02	320.96	445.43	1563.56	-393.27
1	2	144	3.60	1.10	1.81	2.89	-1.13	1699.69	375.73	418.25	1657.17	-233.42
1	2	145	3.32	1.54	1.71	3.15	-0.52	1700.60	400.05	406.68	1693.97	-92.63
1	2	146	3.19	1.67	1.69	3.17	0.15	1700.09	403.37	404.56	1698.90	39.30
1	2	147	3.34	1.38	1.76	2.96	0.78	1699.85	387.18	411.05	1675.98	175.40
1	2	148	3.44	0.89	1.80	2.53	1.22	1692.96	344.95	429.97	1607.94	327.68
1	2	149	3.10	0.38	1.48	2.00	1.34	1667.28	263.37	473.56	1457.09	500.91
1	2	150	2.42	-0.45	0.32	1.65	1.27	1615.66	127.75	564.05	1179.35	677.36
1	2	151	1.87	-1.95	-1.37	1.28	1.38	1555.67	-68.67	713.43	773.56	811.62
1	2	152	0.79	-3.37	-2.99	0.41	1.20	1591.06	-381.59	905.68	303.79	939.29
1	2	153	2.75	-4.70	-2.80	0.84	-3.25	1268.59	-992.83	77.40	198.36	-1129.09
1	2	154	4.62	-2.61	-2.28	4.29	-1.51	1372.91	-769.22	37.18	566.51	-1037.85
1	2	155	3.80	-0.24	0.54	3.02	-1.60	1619.58	-484.18	-3.28	1138.67	-883.42
1	2	156	5.32	0.20	1.92	3.60	-2.42	1765.56	-180.54	46.64	1538.38	-624.90
1	2	157	5.75	0.29	1.54	4.49	-2.30	1819.17	30.72	126.75	1723.14	-403.15
1	2	158	5.38	0.59	1.14	4.84	-1.52	1828.54	154.70	187.21	1796.03	-230.98
1	2	159	5.01	0.85	0.95	4.91	-0.64	1824.12	214.43	219.51	1819.03	-90.32
1	2	160	4.90	0.92	0.93	4.89	0.25	1822.58	223.57	224.46	1821.70	37.69
1	2	161	5.10	0.77	1.08	4.79	1.12	1826.78	184.14	202.19	1808.72	171.25
1	2	162	5.36	0.52	1.42	4.46	1.88	1825.44	86.20	150.99	1760.66	329.36
1	2	163	5.00	0.40	1.71	3.70	2.07	1792.62	-91.47	73.62	1627.53	532.72
1	2	164	4.34	-0.39	0.40	3.56	1.76	1684.80	-362.95	5.65	1316.20	786.73
1	2	165	4.51	-2.63	-1.87	3.75	2.21	1464.22	-673.33	12.00	778.89	997.62
1	2	166	2.77	-3.78	-2.04	1.03	2.89	1276.88	-990.72	80.24	205.91	1132.06
1	2	167	-0.59	-14.74	-12.01	-3.32	-5.58	392.72	-1979.33	-1415.96	-170.65	-1009.43
1	2	168	11.83	1.25	1.31	11.77	-0.80	977.63	-1559.24	-1005.69	424.08	-1047.79
1	2	169	6.73	0.49	0.87	6.35	-1.49	1654.26	-1133.61	-864.77	1385.42	-822.93
1	2	170	9.85	-0.23	1.78	7.84	-4.03	1859.98	-544.75	-437.94	1753.17	-495.43
1	2	171	8.57	-0.28	0.62	7.68	-2.67	1925.76	-213.38	-169.87	1882.25	-301.95
1	2	172	7.45	-0.13	0.19	7.13	-1.50	1935.59	-28.01	-13.44	1921.02	-168.53
1	2	173	6.81	1.76e-02	6.66e-02	6.76	-0.57	1928.90	60.73	63.01	1926.62	-65.27
1	2	174	6.69	5.61e-02	6.65e-02	6.68	0.26	1926.85	74.79	75.18	1926.46	26.71
1	2	175	7.10	-2.10e-02	0.17	6.90	1.15	1933.03	17.49	25.44	1925.08	123.15
1	2	176	7.97	-0.14	0.53	7.30	2.23	1933.82	-126.05	-97.43	1905.20	241.09
1	2	177	8.93	-8.64e-02	1.51	7.34	3.44	1898.19	-396.69	-322.71	1824.21	405.34
1	2	178	5.36	1.09	1.24	5.22	0.78	1747.51	-894.72	-712.29	1565.09	669.87
1	2	179	7.56	0.88	0.94	7.50	0.62	1593.97	-415.73	-393.43	1571.66	210.54
1	2	180	27.80	-5.49	24.87	-2.55	9.45	-1710.45	-3425.40	-3404.24	-1731.61	-189.30
1	2	181	16.14	-15.55	8.92	-8.32	13.30	1028.58	-2932.09	-2608.15	704.63	-1085.41
1	2	182	20.27	-8.59	2.22	9.46	-13.97	1676.21	-1495.94	-1429.61	1609.88	-453.89
1	2	183	14.40	-2.32	-1.40	13.48	-3.82	1906.23	-730.82	-718.41	1893.82	-180.47
1	2	184	10.87	-0.95	-0.73	10.64	-1.62	1981.26	-333.99	-329.37	1976.65	-103.27
1	2	185	8.88	-0.66	-0.61	8.83	-0.74	1992.68	-119.59	-118.04	1991.13	-57.12
1	2	186	7.98	-0.56	-0.55	7.97	-0.26	1985.74	-17.94	-17.69	1985.49	-22.17



1	2	187	7.85	-0.54	-0.54	7.85	0.12	1983.49	-1.49	-1.45	1983.45	8.89
1	2	188	8.49	-0.61	-0.57	8.45	0.57	1989.86	-65.92	-65.09	1989.03	41.32
1	2	189	10.11	-0.85	-0.68	9.94	1.35	1989.97	-228.42	-225.45	1987.00	81.11
1	2	190	13.17	-1.97	-1.25	12.46	3.21	1948.10	-539.10	-530.89	1939.90	142.63
1	2	191	18.39	-6.94	0.96	10.48	11.73	1798.43	-1124.02	-1079.82	1754.23	356.67
1	2	192	16.59	-10.66	15.94	-10.02	-4.14	1457.68	-2224.32	-2082.95	1316.31	707.49
1	2	193	23.58	-10.06	13.09	0.43	-15.58	-1467.65	-3536.09	-3487.71	-1516.03	312.63
1	2	194	95.72	-24.07	95.71	-24.06	1.16	1233.61	-2519.79	-2514.33	1228.14	143.14
1	2	195	39.48	0.58	0.92	39.14	-3.62	1955.79	-1349.49	-1349.16	1955.45	-33.14
1	2	196	14.97	1.69	1.69	14.96	-0.19	1914.19	-684.90	-684.89	1914.18	-4.38
1	2	197	10.81	-0.54	-0.53	10.81	-0.21	1983.76	-330.89	-330.87	1983.73	-7.67
1	2	198	8.99	-0.72	-0.72	8.98	-0.16	1997.23	-123.33	-123.31	1997.22	-5.96
1	2	199	8.11	-0.65	-0.65	8.11	-6.83e-02	1990.92	-22.86	-22.86	1990.92	-2.66
1	2	200	7.99	-0.63	-0.63	7.99	2.47e-02	1988.71	-6.44	-6.44	1988.71	0.98
1	2	201	8.61	-0.68	-0.68	8.61	0.12	1994.61	-69.79	-69.78	1994.61	4.37
1	2	202	10.13	-0.55	-0.55	10.13	0.20	1993.25	-226.32	-226.30	1993.23	6.49
1	2	203	13.66	1.17	1.18	13.65	0.33	1956.80	-503.32	-503.30	1956.79	5.31
1	2	204	33.16	1.02	1.44	32.73	3.67	2009.83	-1034.12	-1033.78	2009.49	32.04
1	2	205	71.21	10.17	71.16	10.22	1.68	1574.00	-1442.77	-1441.76	1572.99	-55.19
1	2	206	9.59	-13.34	-4.98	1.23	-11.04	-3020.50	-6705.55	-6703.90	-3022.15	78.00
1	2	207	35.26	-14.86	35.18	-14.78	2.02	-1185.99	-2637.21	-2588.48	-1234.72	261.41
1	2	208	14.78	-9.60	6.60	-1.42	-11.51	907.90	-2637.76	-2250.12	520.27	1106.41
1	2	209	20.65	-5.55	2.10	13.00	11.91	1687.92	-1391.37	-1301.11	1597.66	519.42
1	2	210	14.72	-1.85	-1.34	14.21	2.87	1900.75	-687.87	-668.32	1881.20	224.12
1	2	211	11.03	-0.92	-0.78	10.89	1.27	1976.70	-315.27	-308.18	1969.62	127.25
1	2	212	8.98	-0.69	-0.65	8.94	0.60	1989.62	-110.22	-107.99	1987.39	68.43
1	2	213	8.05	-0.59	-0.59	8.04	0.20	1983.61	-12.35	-12.01	1983.28	25.97
1	2	214	7.93	-0.58	-0.57	7.93	-0.11	1981.51	3.60	3.65	1981.45	-10.57
1	2	215	8.59	-0.65	-0.62	8.56	-0.48	1987.19	-58.26	-57.07	1986.00	-49.40
1	2	216	10.27	-0.84	-0.73	10.16	-1.08	1985.95	-213.45	-208.94	1981.44	-99.51
1	2	217	13.53	-1.61	-1.17	13.09	-2.54	1943.37	-505.20	-492.23	1930.40	-177.70
1	2	218	20.07	-5.57	0.64	13.86	-10.98	1806.92	-1044.40	-983.95	1746.48	-410.72
1	2	219	16.97	-7.27	15.23	-5.53	6.26	1403.01	-2069.07	-1859.29	1193.22	-827.27
1	2	220	23.23	-5.55	22.46	-4.79	4.62	-947.32	-2729.07	-2656.10	-1020.29	-353.11
1	2	221	-5.11	-14.14	-13.79	-5.45	1.73	494.42	-1761.42	-1158.12	-108.88	998.49
1	2	222	7.38	3.43	3.79	7.02	-1.14	1039.07	-1298.19	-775.28	516.16	974.04
1	2	223	9.55	0.36	2.47	7.45	3.86	1660.72	-949.42	-667.06	1378.36	810.72
1	2	224	10.61	-0.39	1.76	8.45	4.36	1844.28	-451.31	-338.62	1731.58	495.98
1	2	225	8.88	-0.36	0.51	8.01	2.70	1912.96	-164.72	-119.36	1867.60	303.62
1	2	226	7.61	-0.19	0.11	7.32	1.48	1927.30	-2.44	12.47	1912.39	168.97
1	2	227	6.93	-4.72e-02	-4.14e-03	6.89	0.55	1923.62	75.51	77.82	1921.32	65.21
1	2	228	6.83	-1.97e-02	-8.41e-03	6.81	-0.28	1922.05	87.98	88.37	1921.66	-26.65
1	2	229	7.28	-0.11	7.93e-02	7.10	-1.16	1926.09	37.87	45.95	1918.01	-123.26
1	2	230	8.30	-0.25	0.41	7.64	-2.28	1922.78	-87.65	-58.05	1893.18	-242.13
1	2	231	9.64	-0.27	1.41	7.96	-3.72	1883.36	-322.99	-245.40	1805.77	-406.41
1	2	232	7.18	1.10	2.17	6.10	-2.32	1747.48	-755.22	-561.17	1553.42	-669.33
1	2	233	13.05	-2.49	-0.87	11.43	-4.75	1333.95	-1228.67	-751.60	856.88	-997.48
1	2	234	-4.50	-9.15	-4.72	-8.92	1.00	536.03	-1696.03	-1087.99	-72.01	-993.71
1	2	235	1.18	-4.54	-3.67	0.31	2.06	1294.76	-817.11	246.01	231.64	1055.91
1	2	236	3.02	-2.03	-2.01	3.00	0.30	1377.61	-589.47	184.08	604.06	960.86
1	2	237	3.60	0.24	1.52	2.32	1.63	1601.68	-337.08	112.38	1152.23	818.15
1	2	238	5.77	0.13	2.34	3.56	2.75	1741.73	-84.55	124.69	1532.48	581.69
1	2	239	5.98	0.26	1.62	4.61	2.44	1802.47	83.03	170.00	1715.50	376.80
1	2	240	5.52	0.56	1.11	4.96	1.56	1820.68	178.48	207.41	1791.76	216.02
1	2	241	5.12	0.80	0.89	5.02	0.62	1822.03	223.46	227.93	1817.55	84.47
1	2	242	5.03	0.85	0.87	5.01	-0.29	1821.46	230.28	231.05	1820.68	-35.04
1	2	243	5.27	0.69	1.03	4.93	-1.20	1821.61	200.70	216.62	1805.69	-159.86
1	2	244	5.61	0.44	1.43	4.62	-2.04	1812.39	125.64	183.81	1754.23	-307.78
1	2	245	5.40	0.34	1.99	3.75	-2.37	1771.35	-14.88	136.30	1620.17	-497.18
1	2	246	4.26	2.23e-02	1.20	3.09	-1.90	1662.20	-237.87	105.85	1318.48	-731.40
1	2	247	3.09	-1.66	-1.22	2.65	-1.38	1455.97	-503.93	147.11	804.93	-923.10
1	2	248	1.11	-3.75	-3.05	0.41	-1.71	1297.91	-813.07	248.22	236.63	-1055.47
1	2	249	0.16	-3.85	-3.82	0.13	0.33	1555.83	-241.77	986.08	327.98	836.40
1	2	250	0.62	-2.13	-2.10	0.59	0.28	1501.69	-16.50	853.09	632.11	751.01
1	2	251	1.48	-0.15	0.50	0.83	0.80	1546.15	178.23	666.78	1057.60	655.45
1	2	252	3.11	0.20	1.84	1.48	1.44	1615.50	297.94	534.07	1379.38	505.32
1	2	253	3.73	0.60	2.01	2.31	1.56	1668.78	356.17	455.37	1569.58	346.95
1	2	254	3.63	1.10	1.84	2.90	1.15	1697.25	379.40	412.25	1664.40	205.43
1	2	255	3.33	1.54	1.69	3.18	0.50	1708.01	386.57	391.61	1702.97	81.46
1	2	256	3.24	1.63	1.66	3.21	-0.21	1709.09	387.11	388.00	1708.20	-34.30
1	2	257	3.44	1.31	1.75	3.00	-0.86	1702.05	382.37	400.60	1683.83	-154.01
1	2	258	3.54	0.84	1.87	2.52	-1.31	1680.78	365.95	432.81	1613.92	-288.85
1	2	259	3.13	0.42	1.71	1.84	-1.35	1635.95	323.04	495.21	1463.78	-443.17
1	2	260	2.02	-8.05e-02	0.67	1.27	-1.01	1567.92	230.88	606.35	1192.45	-600.87
1	2	261	1.06	-1.50	-1.28	0.83	-0.72	1506.57	63.87	774.65	795.79	-721.27
1	2	262	0.32	-3.66	-3.58	0.24	-0.55	1553.79	-245.94	985.77	322.08	-836.44



1	2	263	-0.12	-4.18	-4.18	-0.13	-0.15	1635.99	117.70	1400.28	353.41	549.84
1	2	264	-0.13	-2.43	-2.43	-0.13	-6.32e-02	1517.36	362.84	1241.57	638.63	492.29
1	2	265	0.24	-0.27	-5.20e-02	2.55e-02	0.25	1442.08	572.88	1008.98	1005.98	434.60
1	2	266	1.71	0.13	1.42	0.42	0.62	1467.28	628.95	814.36	1281.87	347.93
1	2	267	2.46	0.58	2.05	0.98	0.77	1532.20	599.10	670.70	1460.60	248.36
1	2	268	2.58	1.13	2.22	1.49	0.63	1583.00	554.69	577.38	1560.31	151.06
1	2	269	2.36	1.65	2.21	1.80	0.30	1608.49	525.29	528.70	1605.08	60.68
1	2	270	2.22	1.82	2.19	1.85	-0.11	1611.98	519.92	520.53	1611.37	-25.81
1	2	271	2.43	1.38	2.15	1.65	-0.46	1594.49	539.67	552.21	1581.96	-114.31
1	2	272	2.38	0.87	2.00	1.25	-0.66	1552.46	579.45	626.81	1505.09	-209.39
1	2	273	1.84	0.41	1.48	0.76	-0.62	1488.29	620.31	750.15	1358.45	-309.59
1	2	274	0.74	-6.94e-02	0.32	0.36	-0.41	1437.66	608.64	925.80	1120.50	-402.92
1	2	275	0.11	-1.56	-1.54	8.76e-02	-0.19	1471.97	459.29	1145.71	785.55	-473.23
1	2	276	-7.49e-02	-3.98	-3.98	-7.50e-02	-2.25e-02	1634.22	112.77	1399.53	347.46	-549.54
1	2	277	-0.19	-4.28	-4.27	-0.20	-0.22	1637.33	312.53	1591.57	358.29	241.93
1	2	278	-0.31	-2.65	-2.62	-0.33	-0.23	1480.25	579.78	1424.56	635.48	216.90
1	2	279	-0.19	-0.45	-0.36	-0.29	-0.13	1293.87	860.28	1176.23	977.92	192.79
1	2	280	1.16	-4.30e-02	1.16	-4.16e-02	4.18e-02	1302.36	886.93	959.33	1229.96	157.59
1	2	281	2.00	0.34	1.99	0.36	0.16	1419.31	768.42	789.65	1398.08	115.62
1	2	282	2.36	0.75	2.34	0.76	0.17	1502.90	667.66	673.92	1496.64	72.02
1	2	283	2.44	1.03	2.44	1.03	8.79e-02	1543.89	610.91	611.83	1542.96	29.34
1	2	284	2.42	1.09	2.42	1.09	-2.94e-02	1549.71	601.31	601.47	1549.55	-12.54
1	2	285	2.32	0.92	2.31	0.93	-0.12	1522.02	639.05	642.48	1518.59	-54.90
1	2	286	2.01	0.60	2.00	0.62	-0.15	1454.63	723.07	736.56	1441.15	-98.42
1	2	287	1.33	0.25	1.32	0.26	-7.83e-02	1344.68	841.63	885.23	1301.07	-141.54
1	2	288	0.11	-4.60e-02	0.10	-3.49e-02	4.07e-02	1263.55	904.08	1084.94	1082.69	-179.73
1	2	289	-0.18	-1.73	-1.72	-0.19	0.13	1393.25	704.87	1322.83	775.29	-208.61
1	2	290	-0.17	-4.11	-4.11	-0.18	0.15	1636.14	307.71	1590.70	353.15	-241.46
1	2	291	-0.18	-4.15	-4.14	-0.19	-0.21	1610.13	351.89	1606.27	355.75	-69.59
1	2	292	-0.25	-2.63	-2.58	-0.30	-0.33	1444.77	625.98	1440.13	630.62	-61.45
1	2	293	9.37e-02	-0.78	-0.43	-0.26	-0.43	1205.01	957.47	1192.92	969.56	-53.35
1	2	294	1.19	-0.18	1.05	-3.75e-02	-0.42	1224.88	969.92	976.64	1218.16	-40.84
1	2	295	1.97	0.23	1.89	0.31	-0.35	1384.85	805.80	807.04	1383.61	-26.78
1	2	296	2.32	0.63	2.29	0.66	-0.23	1480.75	690.78	691.06	1480.48	-14.65
1	2	297	2.42	0.89	2.41	0.90	-0.10	1525.99	628.68	628.71	1525.95	-5.40
1	2	298	2.40	0.95	2.40	0.95	3.21e-02	1532.39	618.32	618.33	1532.39	2.32
1	2	299	2.28	0.80	2.27	0.81	0.16	1502.10	659.45	659.59	1501.97	10.77
1	2	300	1.98	0.49	1.92	0.55	0.28	1426.60	753.29	754.00	1425.89	21.78
1	2	301	1.34	0.11	1.22	0.24	0.37	1291.46	899.51	902.74	1288.24	35.41
1	2	302	0.42	-0.41	2.51e-02	-1.81e-02	0.42	1138.67	1036.51	1101.97	1073.21	49.01
1	2	303	-7.69e-02	-1.81	-1.72	-0.17	0.39	1344.98	763.41	1338.91	769.49	59.13
1	2	304	-0.15	-4.01	-4.00	-0.17	0.23	1609.38	347.00	1605.46	350.93	70.24
1	2	305	-5.59e-02	-3.82	-3.79	-8.43e-02	-0.33	1565.92	232.02	1451.27	346.67	-373.87
1	2	306	9.37e-02	-2.44	-2.32	-2.75e-02	-0.54	1432.66	487.08	1294.66	625.08	-333.83
1	2	307	0.72	-0.88	-0.31	0.15	-0.77	1318.62	727.35	1064.50	981.47	-292.71
1	2	308	1.67	-0.20	1.06	0.42	-0.88	1355.56	761.66	870.64	1246.59	-229.88
1	2	309	2.26	0.32	1.79	0.79	-0.83	1452.27	691.09	726.06	1417.31	-159.34
1	2	310	2.38	0.84	2.08	1.14	-0.61	1522.05	621.09	631.01	1512.13	-94.02
1	2	311	2.25	1.28	2.17	1.36	-0.28	1555.95	579.59	580.99	1554.55	-36.95
1	2	312	2.16	1.39	2.15	1.41	9.13e-02	1560.66	572.39	572.65	1560.41	15.80
1	2	313	2.24	1.08	2.05	1.27	0.43	1537.78	600.12	605.47	1532.43	70.63
1	2	314	2.17	0.61	1.78	1.00	0.68	1481.51	659.86	681.93	1459.43	132.86
1	2	315	1.76	9.00e-02	1.16	0.69	0.80	1390.21	736.36	806.61	1319.95	202.49
1	2	316	1.06	-0.60	4.78e-02	0.41	0.81	1312.78	761.65	981.96	1092.47	269.96
1	2	317	0.43	-1.82	-1.56	0.17	0.73	1371.04	598.07	1199.91	769.20	320.92
1	2	318	-1.06e-03	-3.69	-3.64	-4.97e-02	0.42	1565.54	226.85	1450.69	341.70	374.91
1	2	319	0.44	-3.37	-3.15	0.22	-0.89	1468.46	-53.25	1094.86	320.36	-654.93
1	2	320	1.17	-2.33	-1.99	0.84	-1.04	1402.06	174.39	963.32	613.13	-588.33
1	2	321	1.83	-0.85	-9.42e-02	1.07	-1.21	1422.17	373.78	777.63	1018.33	-510.19
1	2	322	2.69	-0.14	1.17	1.38	-1.41	1495.83	466.83	641.95	1320.71	-386.69
1	2	323	3.09	0.37	1.62	1.84	-1.36	1564.69	490.60	557.48	1497.81	-259.54
1	2	324	2.96	0.95	1.71	2.20	-0.97	1606.00	487.52	508.15	1585.38	-150.48
1	2	325	2.58	1.50	1.70	2.37	-0.43	1623.74	480.29	483.33	1620.71	-58.80
1	2	326	2.43	1.66	1.69	2.39	0.16	1625.88	478.54	479.08	1625.34	24.94
1	2	327	2.73	1.20	1.66	2.27	0.70	1614.08	483.59	494.88	1602.79	112.40
1	2	328	2.90	0.64	1.56	1.99	1.11	1582.10	489.28	533.12	1538.26	214.45
1	2	329	2.68	0.10	1.15	1.63	1.27	1522.23	479.12	601.96	1399.38	336.23
1	2	330	2.14	-0.68	8.88e-02	1.37	1.26	1444.10	419.55	716.85	1146.79	464.99
1	2	331	1.60	-1.97	-1.40	1.04	1.30	1396.39	261.20	885.28	772.31	564.77
1	2	332	0.60	-3.27	-2.97	0.30	1.02	1469.09	-58.18	1094.74	316.18	656.96
1	2	333	2.26	-4.14	-2.59	0.71	-2.74	1221.07	-534.08	452.17	234.81	-870.82
1	2	334	4.06	-2.51	-2.09	3.64	-1.60	1290.89	-319.85	386.41	584.63	-799.24
1	2	335	3.43	-0.60	0.19	2.64	-1.60	1482.30	-77.98	306.03	1098.28	-672.09
1	2	336	4.46	-5.45e-02	1.38	3.03	-2.10	1616.61	136.27	303.05	1449.83	-468.05
1	2	337	4.67	0.21	1.27	3.60	-1.90	1681.57	265.39	330.72	1616.23	-297.08
1	2	338	4.26	0.63	1.12	3.77	-1.24	1705.53	331.43	352.23	1684.72	-167.81



1	2	339	3.88	0.96	1.06	3.78	-0.51	1710.81	359.72	362.85	1707.67	-64.97
1	2	340	3.78	1.03	1.05	3.77	0.21	1710.83	363.74	364.30	1710.28	27.27
1	2	341	4.02	0.79	1.08	3.74	0.92	1708.00	345.47	356.88	1696.59	124.16
1	2	342	4.35	0.42	1.19	3.58	1.56	1693.16	295.41	338.51	1650.07	241.61
1	2	343	4.19	0.15	1.23	3.11	1.79	1646.46	191.91	309.72	1528.65	396.84
1	2	344	3.85	-0.66	9.45e-02	3.10	1.68	1539.66	10.77	295.89	1254.55	595.50
1	2	345	4.02	-2.52	-1.77	3.27	2.08	1359.23	-232.67	346.19	780.37	765.77
1	2	346	2.33	-3.42	-2.02	0.93	2.47	1228.97	-533.51	454.25	241.21	874.78
1	2	347	0.56	-11.87	-9.86	-1.46	-4.58	510.29	-1285.84	-728.33	-47.22	-830.99
1	2	348	10.33	0.70	0.93	10.10	-1.47	1003.47	-953.74	-434.99	484.72	-863.83
1	2	349	6.08	-0.13	0.22	5.74	-1.43	1536.67	-599.58	-365.64	1302.73	-667.10
1	2	350	8.00	-0.33	1.14	6.53	-3.17	1713.80	-158.61	-68.08	1623.27	-401.64
1	2	351	6.85	-0.18	0.50	6.18	-2.07	1779.30	74.39	110.29	1743.40	-244.79
1	2	352	5.87	0.11	0.35	5.63	-1.15	1795.23	197.25	209.00	1783.48	-136.53
1	2	353	5.31	0.32	0.36	5.27	-0.44	1793.72	253.34	255.14	1791.91	-52.71
1	2	354	5.22	0.36	0.36	5.21	0.20	1792.48	262.05	262.36	1792.17	21.97
1	2	355	5.58	0.21	0.36	5.44	0.88	1794.59	226.31	232.75	1788.15	100.29
1	2	356	6.36	-3.68e-02	0.46	5.86	1.71	1788.57	133.09	156.65	1765.02	196.05
1	2	357	7.24	-0.17	0.97	6.09	2.68	1748.76	-53.02	9.30	1686.43	329.26
1	2	358	4.91	0.46	0.61	4.75	0.82	1614.80	-416.92	-259.47	1457.35	543.24
1	2	359	13.49	-4.35	-3.06	12.21	4.61	1284.44	-877.38	-430.74	837.80	875.26
1	2	360	-0.37	-4.87	-2.64	-2.61	2.25	554.76	-1232.95	-664.92	-13.28	832.36
1	2	361	23.19	-4.70	18.48	1.08e-02	10.45	-1249.78	-2374.35	-2341.38	-1282.75	-189.71
1	2	362	12.55	-12.40	5.31	-5.17	11.32	1077.73	-2031.77	-1710.94	756.91	-945.87
1	2	363	15.77	-6.62	0.94	8.21	-10.59	1563.20	-883.61	-813.10	1492.69	-409.35
1	2	364	11.50	-1.92	-1.33	10.90	-2.76	1761.77	-302.87	-285.97	1744.87	-186.05
1	2	365	8.64	-0.65	-0.52	8.51	-1.10	1835.18	-17.92	-10.87	1828.13	-114.09
1	2	366	7.01	-0.26	-0.23	6.98	-0.48	1851.59	129.08	131.61	1849.07	-65.90
1	2	367	6.27	-8.50e-02	-8.05e-02	6.26	-0.17	1849.09	196.32	196.73	1848.68	-25.98
1	2	368	6.17	-6.40e-02	-6.33e-02	6.17	6.78e-02	1847.54	207.06	207.14	1847.46	11.11
1	2	369	6.70	-0.20	-0.18	6.68	0.36	1850.33	164.94	166.38	1848.89	49.19
1	2	370	8.02	-0.54	-0.44	7.93	0.89	1844.58	55.40	60.21	1839.78	92.63
1	2	371	10.50	-1.61	-1.16	10.05	2.28	1799.97	-163.55	-151.64	1788.06	152.47
1	2	372	14.29	-5.46	-8.88e-02	8.92	8.79	1666.81	-600.56	-551.71	1617.95	329.21
1	2	373	12.12	-8.64	11.42	-7.94	-3.74	1383.88	-1456.24	-1308.51	1236.16	630.67
1	2	374	20.31	-10.53	8.35	1.44	-15.03	-1054.75	-2480.12	-2414.99	-1119.88	297.64
1	2	375	74.79	-17.62	74.72	-17.55	2.52	1175.63	-1671.31	-1670.02	1174.34	60.55
1	2	376	31.06	6.09e-03	0.15	30.91	-2.13	1765.70	-755.85	-752.73	1762.58	-88.68
1	2	377	12.01	1.10	1.10	12.00	0.17	1768.10	-263.07	-261.33	1766.36	-59.42
1	2	378	8.63	-0.33	-0.33	8.63	3.74e-02	1841.37	-14.10	-12.80	1840.08	-49.03
1	2	379	7.12	-0.28	-0.28	7.12	-8.47e-03	1861.34	126.05	126.65	1860.74	-32.51
1	2	380	6.40	-0.12	-0.12	6.40	-1.44e-02	1860.22	191.61	191.72	1860.11	-13.55
1	2	381	6.30	-0.10	-0.10	6.30	-1.43e-02	1858.83	202.19	202.21	1858.81	6.16
1	2	382	6.82	-0.23	-0.23	6.82	-1.35e-02	1860.67	161.36	161.74	1860.29	25.46
1	2	383	8.07	-0.31	-0.31	8.07	-2.76e-02	1852.27	57.54	58.57	1851.24	42.85
1	2	384	10.91	0.76	0.76	10.91	-3.63e-02	1808.64	-133.47	-131.87	1807.04	55.76
1	2	385	25.92	0.65	0.85	25.72	2.22	1820.59	-521.22	-518.17	1817.54	84.49
1	2	386	54.02	10.78	54.01	10.78	0.44	1443.24	-826.37	-826.19	1443.06	20.61
1	2	387	25.37	-10.07	25.30	-10.00	1.61	-879.48	-1710.11	-1696.71	-892.89	104.67
1	2	388	10.84	-8.06	2.91	-0.13	-9.33	873.41	-1719.76	-1439.75	593.40	804.81
1	2	389	16.30	-4.74	1.17	10.39	9.46	1537.19	-761.86	-716.37	1491.69	320.18
1	2	390	11.86	-1.68	-1.18	11.35	2.56	1754.31	-255.17	-250.07	1749.21	101.04
1	2	391	8.85	-0.62	-0.46	8.68	1.23	1840.87	1.26	2.21	1839.93	41.59
1	2	392	7.16	-0.22	-0.17	7.11	0.60	1865.55	135.32	135.46	1865.41	15.59
1	2	393	6.40	-3.11e-02	-2.46e-02	6.39	0.20	1867.27	196.82	196.83	1867.26	4.54
1	2	394	6.30	-1.24e-02	-9.72e-03	6.30	-0.13	1866.37	206.68	206.68	1866.37	-1.02
1	2	395	6.85	-0.17	-0.13	6.81	-0.50	1866.31	168.28	168.33	1866.26	-8.76
1	2	396	8.24	-0.52	-0.39	8.11	-1.06	1853.91	68.71	69.12	1853.50	-26.99
1	2	397	10.89	-1.44	-1.00	10.46	-2.27	1798.50	-127.80	-125.23	1795.93	-70.30
1	2	398	15.85	-4.76	-2.48e-02	11.12	-8.67	1647.71	-506.45	-479.84	1621.10	-237.94
1	2	399	11.50	-5.27	10.14	-3.91	4.58	1285.45	-1283.48	-1146.55	1148.53	-577.06
1	2	400	16.45	-3.73	15.72	-3.00	3.76	-689.57	-1777.50	-1746.01	-721.06	-182.39
1	2	401	-2.32	-12.24	-11.51	-3.04	2.57	458.86	-951.04	-506.38	14.20	655.13
1	2	402	6.17	1.99	1.99	6.17	6.76e-02	922.00	-604.38	-250.41	568.03	644.21
1	2	403	8.07	-0.48	1.34	6.25	3.50	1479.64	-371.48	-215.22	1323.38	514.62
1	2	404	8.77	-0.58	1.34	6.85	3.77	1695.24	-46.17	0.32	1648.75	280.71
1	2	405	7.32	-0.17	0.67	6.48	2.36	1798.02	123.40	137.46	1783.97	152.79
1	2	406	6.24	0.24	0.54	5.95	1.29	1838.45	211.50	215.10	1834.85	76.45
1	2	407	5.66	0.49	0.53	5.62	0.47	1849.48	251.19	251.67	1848.99	27.72
1	2	408	5.58	0.52	0.53	5.57	-0.26	1850.19	257.29	257.35	1850.12	-10.42
1	2	409	5.98	0.32	0.52	5.79	-1.04	1843.90	232.03	233.76	1842.17	-52.82
1	2	410	6.86	-3.79e-02	0.61	6.21	-2.01	1818.13	165.46	173.54	1810.06	-115.24
1	2	411	8.00	-0.41	1.10	6.49	-3.23	1746.13	29.85	58.14	1717.85	-218.50
1	2	412	6.24	0.20	1.25	5.19	-2.29	1576.52	-245.69	-149.47	1480.30	-407.52
1	2	413	11.11	-3.06	-1.48	9.53	-4.46	1175.68	-558.92	-253.43	870.19	-660.74
1	2	414	-4.38	-5.88	-4.50	-5.76	-0.40	494.04	-904.52	-453.34	42.86	-653.79



1	2	415	1.26	-4.91	-3.98	0.33	2.21	1072.15	-208.88	585.48	277.78	621.76
1	2	416	2.77	-2.55	-2.35	2.56	1.03	1138.57	-1.03	495.09	642.46	565.02
1	2	417	3.47	-0.48	0.88	2.10	1.88	1376.78	160.72	379.00	1158.50	466.69
1	2	418	5.11	-5.46e-02	1.96	3.09	2.52	1590.76	263.70	338.36	1516.11	305.78
1	2	419	5.21	0.44	1.69	3.96	2.10	1720.40	311.55	334.72	1697.23	179.20
1	2	420	4.81	0.94	1.44	4.31	1.30	1784.48	330.86	336.93	1778.40	93.79
1	2	421	4.49	1.24	1.32	4.41	0.50	1809.30	337.36	338.18	1808.48	34.73
1	2	422	4.43	1.28	1.30	4.41	-0.26	1812.35	337.83	337.96	1812.22	-13.67
1	2	423	4.64	1.04	1.36	4.32	-1.03	1796.66	333.16	336.20	1793.62	-66.65
1	2	424	4.96	0.61	1.54	4.03	-1.78	1749.99	318.61	332.48	1736.12	-140.19
1	2	425	4.84	0.18	1.71	3.31	-2.18	1647.58	281.66	329.71	1599.53	-251.64
1	2	426	3.99	-0.50	0.71	2.77	-2.00	1461.82	202.58	351.86	1312.53	-407.06
1	2	427	3.05	-2.26	-1.59	2.39	-1.76	1212.22	62.56	440.02	834.76	-539.89
1	2	428	1.19	-4.24	-3.48	0.43	-1.88	1074.21	-208.81	585.50	279.89	-623.04
1	2	429	0.21	-4.48	-4.37	9.78e-02	0.70	1263.05	207.17	1114.06	356.16	367.58
1	2	430	0.72	-2.61	-2.42	0.53	0.77	1179.03	459.62	966.19	672.46	328.36
1	2	431	1.72	-0.49	0.34	0.89	1.07	1258.51	602.80	757.72	1103.59	278.54
1	2	432	3.05	0.35	1.82	1.58	1.35	1474.00	556.87	602.32	1428.54	199.06
1	2	433	3.56	1.04	2.17	2.43	1.25	1638.79	489.70	503.08	1625.40	123.28
1	2	434	3.56	1.60	2.09	3.07	0.85	1730.26	441.89	445.29	1726.86	66.13
1	2	435	3.47	1.90	1.98	3.39	0.35	1769.86	416.29	416.74	1769.41	24.58
1	2	436	3.44	1.93	1.95	3.42	-0.17	1775.31	411.49	411.57	1775.24	-10.09
1	2	437	3.49	1.69	2.00	3.18	-0.67	1749.61	427.18	428.91	1747.88	-47.77
1	2	438	3.49	1.21	2.02	2.68	-1.09	1679.57	464.79	472.79	1671.57	-98.22
1	2	439	3.12	0.56	1.68	2.01	-1.27	1542.11	525.07	553.60	1513.58	-167.94
1	2	440	2.19	-0.30	0.48	1.41	-1.15	1333.37	590.61	686.84	1237.14	-249.43
1	2	441	1.24	-1.92	-1.58	0.89	-0.99	1171.90	542.56	876.95	837.51	-314.05
1	2	442	0.35	-4.26	-4.13	0.22	-0.76	1260.83	198.50	1111.04	348.29	-369.72
1	2	443	-4.86e-02	-4.74	-4.74	-5.37e-02	0.15	1322.16	372.07	1318.34	375.89	60.13
1	2	444	0.10	-2.64	-2.62	8.15e-02	0.24	1159.18	678.24	1153.36	684.07	52.61
1	2	445	0.69	-6.90e-02	0.14	0.48	0.34	1098.04	904.11	914.62	1087.54	43.90
1	2	446	1.92	0.93	1.75	1.11	0.38	1396.43	719.11	720.55	1394.99	31.16
1	2	447	2.52	1.71	2.33	1.89	0.34	1593.94	582.98	583.31	1593.60	18.46
1	2	448	2.74	2.21	2.38	2.56	0.24	1702.94	498.19	498.25	1702.87	8.97
1	2	449	2.96	2.29	2.31	2.94	0.11	1751.16	455.30	455.31	1751.16	2.79
1	2	450	2.99	2.29	2.29	2.99	-3.58e-02	1758.07	447.68	447.68	1758.07	-1.76
1	2	451	2.79	2.24	2.32	2.70	-0.20	1726.77	474.27	474.30	1726.74	-6.79
1	2	452	2.56	1.85	2.24	2.16	-0.35	1642.86	540.06	540.24	1642.67	-14.28
1	2	453	2.08	1.15	1.70	1.53	-0.46	1479.66	654.74	655.52	1478.88	-25.31
1	2	454	1.23	0.12	0.34	1.00	-0.45	1215.10	824.41	828.28	1211.23	-38.68
1	2	455	0.59	-1.80	-1.78	0.56	-0.26	1063.28	827.50	1051.75	839.04	-50.86
1	2	456	8.03e-02	-4.49	-4.49	7.98e-02	-4.82e-02	1317.81	361.67	1313.58	365.90	-63.44
1	2	457	0.16	-4.69	-4.66	0.13	-0.40	1314.72	298.51	1246.17	367.06	-254.88
1	2	458	0.51	-2.72	-2.70	0.49	-0.27	1190.18	576.94	1087.08	680.03	-229.33
1	2	459	0.98	3.04e-02	0.18	0.83	-0.35	1208.48	745.69	858.30	1095.87	-198.59
1	2	460	2.23	1.06	1.82	1.46	-0.56	1439.12	648.94	677.40	1410.66	-147.23
1	2	461	2.84	1.73	2.32	2.25	-0.55	1617.68	544.02	552.70	1609.00	-96.12
1	2	462	3.06	2.15	2.33	2.87	-0.36	1718.59	473.84	476.24	1716.19	-54.64
1	2	463	3.23	2.24	2.26	3.21	-0.12	1763.42	437.42	437.77	1763.06	-21.68
1	2	464	3.25	2.25	2.26	3.24	0.11	1769.97	430.80	430.84	1769.93	7.54
1	2	465	3.08	2.21	2.33	2.96	0.30	1741.27	453.09	454.26	1740.10	38.80
1	2	466	2.76	1.96	2.31	2.41	0.40	1663.91	507.22	512.48	1658.64	77.85
1	2	467	2.09	1.48	1.82	1.76	0.30	1514.13	597.40	615.58	1495.95	127.81
1	2	468	1.33	0.27	0.29	1.31	0.14	1286.14	710.43	774.96	1221.61	181.63
1	2	469	1.07	-2.15	-2.10	1.02	0.37	1143.11	679.35	988.03	834.42	218.79
1	2	470	0.47	-4.58	-4.46	0.36	0.75	1304.73	289.72	1239.49	354.96	248.91
1	2	471	1.29	-5.23	-4.57	0.63	-1.96	1201.94	-14.04	877.45	310.44	-537.84
1	2	472	2.33	-3.09	-3.06	2.31	-0.37	1197.81	217.79	755.26	660.34	-487.70
1	2	473	2.55	2.87e-02	0.58	2.00	-1.04	1359.68	361.61	585.27	1136.02	-416.18
1	2	474	4.09	0.73	2.00	2.82	-1.63	1555.30	399.98	478.77	1476.51	-291.24
1	2	475	4.34	1.25	2.05	3.54	-1.35	1694.76	391.67	417.78	1668.65	-182.60
1	2	476	4.24	1.63	1.94	3.93	-0.85	1770.88	376.99	384.31	1763.57	-100.73
1	2	477	4.15	1.82	1.86	4.11	-0.30	1803.09	367.25	368.32	1802.03	-39.07
1	2	478	4.14	1.86	1.88	4.11	0.23	1807.76	365.17	365.30	1807.62	13.84
1	2	479	4.18	1.76	2.01	3.93	0.74	1787.89	370.70	374.23	1784.35	70.67
1	2	480	4.17	1.53	2.18	3.51	1.14	1731.62	381.42	397.04	1716.00	144.35
1	2	481	3.66	1.23	2.13	2.76	1.18	1617.15	389.17	440.78	1565.54	246.39
1	2	482	2.57	0.25	0.46	2.36	0.66	1430.58	370.61	525.67	1275.52	374.58
1	2	483	2.48	-2.96	-2.88	2.40	0.65	1222.67	276.43	675.56	823.55	467.30
1	2	484	1.60	-5.30	-4.51	0.81	2.20	1182.79	-14.49	869.51	298.79	526.24
1	2	485	7.09e-02	-13.51	-13.07	-0.37	-2.42	721.78	-582.82	32.30	106.66	-651.24
1	2	486	4.84	-1.10	-2.88e-02	3.77	2.29	1044.15	-273.06	154.56	616.52	-616.77
1	2	487	8.52	-0.56	1.21	6.75	-3.59	1476.65	-111.76	110.90	1253.99	-551.46
1	2	488	6.96	0.57	1.51	6.02	-2.26	1669.90	81.13	160.82	1590.21	-346.80
1	2	489	6.24	0.88	1.48	5.63	-1.69	1785.29	187.01	213.70	1758.60	-204.79
1	2	490	5.68	1.08	1.32	5.44	-1.02	1836.74	243.57	250.99	1829.31	-108.51



1	2	491	5.37	1.22	1.25	5.34	-0.36	1854.36	269.19	270.26	1853.29	-41.19
1	2	492	5.35	1.26	1.28	5.33	0.28	1856.55	273.52	273.65	1856.42	14.36
1	2	493	5.61	1.22	1.42	5.40	0.93	1846.69	257.90	261.40	1843.19	74.42
1	2	494	6.07	1.13	1.71	5.49	1.59	1812.76	215.13	230.50	1797.40	155.93
1	2	495	6.43	1.05	1.99	5.50	2.03	1728.94	126.60	176.31	1679.23	277.82
1	2	496	5.63	0.72	1.30	5.05	1.57	1564.17	-54.92	96.92	1412.33	472.00
1	2	497	6.81	-3.40	-3.30	6.71	0.99	1186.08	-239.43	113.45	833.21	615.23
1	2	498	-4.49	-9.12	-8.05	-5.57	1.95	719.18	-576.02	49.36	93.81	647.22
1	2	499	19.40	-22.75	18.70	-22.04	-5.42	73.32	-1061.27	-748.52	-239.42	-506.98
1	2	500	11.68	-8.43	-7.01	10.26	5.15	817.86	-1298.41	-838.89	358.35	-872.53
1	2	501	10.84	-0.52	-0.13	10.45	2.08	1531.77	-678.13	-540.91	1394.55	-533.30
1	2	502	9.00	1.39	1.63	8.76	-1.33	1765.37	-239.73	-204.80	1730.44	-262.32
1	2	503	7.80	0.75	0.97	7.58	-1.22	1858.59	-6.31	3.76	1848.52	-136.68
1	2	504	6.90	0.63	0.72	6.81	-0.75	1889.77	119.07	121.61	1887.22	-67.12
1	2	505	6.43	0.66	0.67	6.42	-0.27	1895.16	177.70	178.05	1894.81	-24.37
1	2	506	6.42	0.69	0.70	6.41	0.19	1895.09	188.16	188.20	1895.04	8.37
1	2	507	6.87	0.72	0.80	6.79	0.68	1893.22	153.72	154.87	1892.07	44.66
1	2	508	7.80	0.89	1.12	7.58	1.23	1876.89	63.29	68.72	1871.46	99.12
1	2	509	9.19	1.58	1.99	8.79	1.71	1819.05	-113.75	-93.84	1799.14	195.16
1	2	510	10.33	1.64	1.67	10.30	0.52	1664.16	-458.37	-374.05	1579.84	414.55
1	2	511	7.08	-7.38	-0.92	0.61	-7.19	1139.74	-1121.78	-791.32	809.28	798.83
1	2	512	15.11	-13.27	15.02	-13.19	1.58	186.01	-1055.15	-745.50	-123.64	537.06
1	2	513	4.61	0.44	0.44	4.60	-0.14	1491.69	-98.23	-47.98	1441.44	278.14
1	2	514	40.46	-41.72	40.18	-41.44	-4.75	973.72	-2574.22	-2574.22	973.71	-2.97
1	2	515	19.02	7.77	16.55	10.24	-4.66	1712.02	-936.78	-935.95	1711.19	47.03
1	2	516	9.63	2.88	2.92	9.59	-0.49	1809.71	-409.96	-408.06	1807.82	64.83
1	2	517	8.35	0.78	0.78	8.35	-3.08e-02	1883.76	-108.98	-107.60	1882.38	52.47
1	2	518	7.32	0.43	0.43	7.32	3.55e-03	1900.55	55.66	56.31	1899.90	34.75
1	2	519	6.79	0.41	0.41	6.79	-2.09e-02	1897.63	132.84	132.97	1897.50	15.02
1	2	520	6.77	0.44	0.44	6.76	-6.20e-02	1896.04	146.49	146.51	1896.02	-5.38
1	2	521	7.27	0.51	0.51	7.27	-0.11	1899.50	100.98	101.33	1899.14	-25.28
1	2	522	8.35	0.87	0.87	8.35	-0.15	1894.86	-17.03	-16.05	1893.88	-43.28
1	2	523	9.92	2.86	2.86	9.92	7.70e-02	1854.55	-238.23	-236.72	1853.03	-56.28
1	2	524	17.64	10.02	16.08	11.58	3.07	1827.36	-611.08	-609.86	1826.13	-54.66
1	2	525	37.43	-17.84	37.25	-17.66	3.16	1389.33	-1669.75	-1669.72	1389.29	-10.36
1	2	526	7.12	-4.07	-4.06	7.11	0.36	956.84	-188.01	-38.56	807.40	385.69
1	2	527	-2.59	-8.15	-5.83	-4.91	2.75	375.09	-395.20	-103.36	83.25	373.67
1	2	528	17.34	-18.18	16.42	-17.26	-5.64	-294.01	-901.21	-841.60	-353.62	-180.67
1	2	529	9.33	-8.15	-5.84	7.02	5.92	576.42	-1149.26	-891.97	319.13	-614.66
1	2	530	8.08	-0.75	-0.49	7.81	1.51	1433.37	-607.06	-560.68	1386.98	-304.12
1	2	531	7.49	1.49	1.57	7.41	-0.68	1759.57	-208.60	-204.83	1755.80	-86.10
1	2	532	6.82	1.00	1.06	6.75	-0.60	1900.82	1.78	1.91	1900.69	-15.74
1	2	533	6.28	0.78	0.80	6.27	-0.31	1956.90	116.70	116.71	1956.88	4.82
1	2	534	6.01	0.72	0.72	6.01	-4.47e-02	1973.33	171.56	171.57	1973.32	3.94
1	2	535	6.01	0.74	0.75	6.00	0.19	1974.89	181.06	181.07	1974.88	-4.35
1	2	536	6.27	0.84	0.88	6.23	0.46	1965.92	147.67	147.73	1965.87	-10.13
1	2	537	6.81	1.09	1.21	6.70	0.81	1930.65	62.39	62.40	1930.65	-1.83
1	2	538	7.54	1.69	1.94	7.30	1.16	1833.98	-101.20	-100.25	1833.03	42.83
1	2	539	23.76	-18.05	23.76	-18.04	-0.30	-438.19	-1653.48	-1463.76	-627.92	441.11
1	2	540	14.61	-11.43	-6.38	9.57	-10.29	860.06	-1841.66	-1357.36	375.76	1036.29
1	2	541	9.61	-0.57	-0.46	9.49	1.05	1589.29	-943.72	-785.84	1431.41	612.36
1	2	542	9.11	1.00	1.15	8.96	1.09	1785.49	-365.46	-317.74	1737.77	316.80
1	2	543	7.79	0.62	0.73	7.68	0.88	1854.26	-72.88	-53.79	1835.17	190.82
1	2	544	6.82	0.53	0.57	6.77	0.53	1867.64	83.52	90.09	1861.07	108.07
1	2	545	6.31	0.57	0.57	6.31	0.16	1863.32	156.67	157.76	1862.23	43.07
1	2	546	6.27	0.61	0.61	6.26	-0.21	1861.58	169.18	169.32	1861.44	-15.52
1	2	547	6.69	0.64	0.71	6.63	-0.61	1865.99	124.77	128.11	1862.66	-76.13
1	2	548	7.58	0.82	0.99	7.40	-1.08	1863.85	9.34	21.27	1851.92	-148.27
1	2	549	8.83	1.33	1.71	8.45	-1.63	1826.87	-217.47	-185.96	1795.36	-251.84
1	2	550	9.79	-0.12	0.83	8.83	-2.92	1696.49	-673.59	-565.77	1588.67	-493.88
1	2	551	10.35	-11.00	0.83	-1.48	10.61	1221.64	-1491.79	-1169.22	899.07	-878.19
1	2	552	15.96	-8.59	15.31	-7.95	3.93	-293.57	-1703.80	-1491.44	-505.94	-504.37
1	2	553	1.18	-14.58	-13.30	-0.10	4.31	712.11	-1141.57	-439.57	10.11	899.16
1	2	554	7.78	0.58	0.71	7.65	-0.95	1107.82	-746.05	-183.75	545.53	852.20
1	2	555	8.89	-0.90	-0.18	8.18	2.54	1568.25	-493.81	-172.51	1246.95	747.87
1	2	556	7.19	0.47	1.20	6.47	2.08	1711.55	-137.87	-0.79	1574.47	484.49
1	2	557	6.25	0.67	1.16	5.76	1.58	1773.89	68.85	125.16	1717.58	304.69
1	2	558	5.55	0.86	1.07	5.34	0.97	1788.40	183.72	202.54	1769.58	172.74
1	2	559	5.12	1.04	1.06	5.10	0.33	1786.41	237.44	240.46	1783.40	68.24
1	2	560	5.06	1.09	1.12	5.03	-0.29	1785.22	245.98	246.40	1784.80	-25.49
1	2	561	5.33	1.03	1.23	5.13	-0.91	1787.84	211.64	221.37	1778.11	-123.42
1	2	562	5.81	0.96	1.47	5.30	-1.49	1782.98	122.74	158.68	1747.04	-241.59
1	2	563	6.13	0.99	1.67	5.45	-1.74	1744.48	-49.80	44.46	1650.22	-400.31
1	2	564	5.56	-9.39e-02	-9.15e-02	5.55	-0.12	1627.08	-371.46	-141.34	1396.96	-637.93
1	2	565	11.81	-5.14	-4.61	11.27	-2.96	1292.90	-701.55	-201.15	792.51	-864.65
1	2	566	-1.94	-8.36	-5.91	-4.39	-3.12	729.20	-1100.22	-393.83	22.81	-890.67



1	2	567	2.34	-4.79	-3.32	0.88	2.88	1332.22	-450.39	627.91	253.92	871.47
1	2	568	3.85	-2.99	-2.79	3.65	1.16	1360.64	-223.99	541.92	594.73	791.88
1	2	569	3.35	-0.49	3.37e-02	2.82	1.32	1501.45	-6.17	424.97	1070.31	681.26
1	2	570	4.25	0.35	1.49	3.12	1.77	1604.88	176.47	376.13	1405.23	495.31
1	2	571	4.34	0.78	1.66	3.45	1.54	1660.16	281.86	364.24	1577.79	326.72
1	2	572	4.00	1.24	1.68	3.57	1.01	1681.94	335.09	362.30	1654.72	189.52
1	2	573	3.65	1.61	1.69	3.57	0.39	1687.05	357.52	361.79	1682.78	75.25
1	2	574	3.56	1.70	1.73	3.53	-0.24	1687.13	360.33	360.97	1686.49	-29.24
1	2	575	3.76	1.45	1.79	3.42	-0.82	1684.21	344.95	359.38	1669.78	-138.26
1	2	576	3.92	1.10	1.82	3.20	-1.23	1669.88	302.95	356.97	1615.86	-266.33
1	2	577	3.54	0.81	1.53	2.82	-1.20	1627.29	215.23	358.57	1483.95	-426.45
1	2	578	3.35	-0.61	-0.39	3.12	-0.92	1535.97	59.34	389.27	1206.04	-615.09
1	2	579	3.97	-3.46	-3.09	3.61	-1.61	1390.75	-150.40	483.55	756.79	-758.37
1	2	580	2.83	-4.61	-2.94	1.17	-3.10	1317.34	-444.51	622.88	249.95	-860.96
1	2	581	0.42	-3.92	-3.76	0.25	0.83	1517.27	-14.53	1178.67	324.08	635.63
1	2	582	1.05	-2.64	-2.43	0.84	0.85	1435.40	214.92	1040.12	610.20	571.13
1	2	583	1.58	-0.72	-0.21	1.07	0.96	1424.46	412.40	841.01	995.85	500.07
1	2	584	2.47	0.19	1.30	1.35	1.14	1474.85	495.88	686.73	1284.00	387.83
1	2	585	2.94	0.75	1.94	1.75	1.09	1533.72	507.13	582.53	1458.32	267.80
1	2	586	2.88	1.33	2.16	2.06	0.77	1572.42	494.13	518.19	1548.36	159.27
1	2	587	2.55	1.89	2.23	2.21	0.33	1589.93	481.28	484.95	1586.26	63.74
1	2	588	2.37	2.08	2.25	2.20	-0.14	1592.06	478.08	478.67	1591.47	-25.60
1	2	589	2.68	1.56	2.21	2.04	-0.55	1579.93	485.76	498.68	1567.02	-118.17
1	2	590	2.68	1.06	1.98	1.76	-0.80	1548.25	498.31	547.80	1498.76	-222.50
1	2	591	2.22	0.55	1.27	1.50	-0.83	1492.56	498.60	633.98	1357.19	-340.92
1	2	592	1.79	-0.60	-0.26	1.46	-0.83	1428.86	449.50	768.96	1109.40	-459.14
1	2	593	1.67	-2.49	-2.12	1.31	-1.17	1408.00	297.57	953.27	752.30	-546.05
1	2	594	0.85	-3.91	-3.53	0.48	-1.28	1505.15	-18.38	1172.37	314.40	-629.50
1	2	595	-7.36e-02	-4.34	-4.32	-8.78e-02	0.25	1572.54	242.57	1472.37	342.74	350.99
1	2	596	1.86e-02	-2.72	-2.66	-4.13e-02	0.40	1435.69	494.56	1315.30	614.95	314.34
1	2	597	0.49	-0.73	-0.37	0.13	0.56	1305.61	736.72	1082.99	959.35	277.65
1	2	598	1.55	4.52e-02	1.20	0.39	0.63	1325.73	772.81	884.34	1214.20	221.88
1	2	599	2.29	0.52	2.06	0.75	0.60	1416.23	696.81	733.25	1379.79	157.75
1	2	600	2.58	0.96	2.45	1.09	0.44	1483.99	621.45	632.17	1473.27	95.56
1	2	601	2.61	1.26	2.58	1.29	0.20	1517.35	576.60	578.17	1515.78	38.43
1	2	602	2.59	1.31	2.59	1.32	-5.25e-02	1521.96	568.26	568.52	1521.69	-15.90
1	2	603	2.51	1.11	2.46	1.17	-0.27	1498.98	597.12	602.87	1493.24	-71.75
1	2	604	2.21	0.78	2.07	0.92	-0.42	1442.85	660.47	683.57	1419.74	-132.46
1	2	605	1.52	0.39	1.24	0.68	-0.49	1353.45	742.43	814.37	1281.51	-196.93
1	2	606	0.83	-0.48	-0.16	0.52	-0.56	1286.22	769.12	995.47	1059.86	-256.54
1	2	607	0.49	-2.15	-1.98	0.32	-0.65	1362.90	601.56	1216.28	748.17	-300.21
1	2	608	8.18e-02	-4.18	-4.13	2.46e-02	-0.49	1564.54	236.23	1466.42	334.35	-347.42
1	2	609	-0.18	-4.59	-4.59	-0.19	0.14	1584.88	345.20	1582.80	347.28	50.80
1	2	610	-0.27	-2.85	-2.83	-0.29	0.20	1422.60	613.19	1420.06	615.73	45.34
1	2	611	-8.72e-02	-0.56	-0.43	-0.22	0.21	1184.24	939.73	1177.38	946.59	40.37
1	2	612	1.22	-3.41e-03	1.20	2.05e-02	0.17	1193.03	959.89	964.66	1188.26	32.98
1	2	613	2.13	0.38	2.12	0.38	0.12	1349.36	796.44	797.48	1348.32	23.95
1	2	614	2.56	0.73	2.56	0.74	7.46e-02	1441.94	682.39	682.67	1441.66	14.62
1	2	615	2.72	0.96	2.72	0.96	4.73e-02	1485.45	620.44	620.48	1485.41	5.74
1	2	616	2.72	1.00	2.72	1.00	2.45e-02	1491.59	609.49	609.50	1491.58	-2.78
1	2	617	2.57	0.85	2.57	0.85	-6.40e-03	1462.20	649.42	649.58	1462.04	-11.36
1	2	618	2.15	0.60	2.15	0.60	-5.92e-02	1388.47	741.63	742.26	1387.83	-20.26
1	2	619	1.32	0.32	1.30	0.34	-0.14	1255.37	886.35	888.66	1253.07	-29.06
1	2	620	0.28	-0.24	-9.76e-02	0.14	-0.23	1105.92	1021.27	1084.70	1042.49	-36.69
1	2	621	2.15e-02	-2.05	-2.01	-1.51e-02	-0.27	1320.18	742.97	1317.06	746.09	-42.33
1	2	622	-0.10	-4.43	-4.42	-0.11	-0.19	1578.77	337.72	1576.81	339.68	-49.29
1	2	623	-0.15	-4.60	-4.59	-0.15	9.99e-02	1586.20	294.77	1535.21	345.76	-251.49
1	2	624	-0.20	-2.79	-2.79	-0.20	5.62e-02	1436.80	554.81	1374.82	616.79	-225.45
1	2	625	-5.43e-02	-0.36	-0.31	-0.11	-0.12	1264.44	827.14	1136.57	955.01	-198.91
1	2	626	1.40	0.10	1.31	0.19	-0.32	1275.80	857.33	930.32	1202.82	-158.79
1	2	627	2.25	0.52	2.15	0.62	-0.40	1385.60	749.76	770.57	1364.79	-113.12
1	2	628	2.57	0.95	2.51	1.01	-0.31	1463.62	655.98	661.91	1457.69	-68.92
1	2	629	2.63	1.24	2.62	1.25	-0.12	1501.60	602.41	603.29	1500.71	-28.14
1	2	630	2.64	1.27	2.63	1.28	0.10	1507.03	592.76	592.89	1506.90	10.85
1	2	631	2.58	1.06	2.53	1.12	0.28	1481.36	627.35	630.42	1478.29	51.06
1	2	632	2.28	0.74	2.20	0.81	0.34	1418.04	704.70	717.57	1405.18	94.93
1	2	633	1.49	0.43	1.43	0.49	0.25	1313.56	812.55	856.56	1269.56	141.81
1	2	634	0.30	-2.59e-02	5.71e-03	0.26	9.58e-02	1235.18	864.11	1045.62	1053.67	185.49
1	2	635	0.11	-2.00	-2.00	0.11	4.52e-02	1571.40	670.30	1272.97	748.73	217.41
1	2	636	-4.52e-02	-4.45	-4.45	-4.56e-02	4.06e-02	1579.27	286.78	1528.59	337.46	250.88
1	2	637	9.29e-02	-4.35	-4.34	8.06e-02	-0.23	1559.35	91.84	1317.60	333.59	-544.36
1	2	638	0.37	-2.61	-2.60	0.35	-0.19	1454.96	331.22	1169.88	616.29	-488.96
1	2	639	0.85	-0.30	2.82e-02	0.52	-0.52	1399.90	541.59	954.90	986.60	-428.86
1	2	640	2.24	0.27	1.57	0.95	-0.94	1432.28	607.92	780.57	1259.62	-335.44
1	2	641	2.85	0.77	2.11	1.51	-0.99	1494.08	589.33	654.87	1428.54	-234.53
1	2	642	2.82	1.36	2.26	1.92	-0.71	1539.93	552.59	573.19	1519.33	-141.12



1	2	643	2.50	1.93	2.29	2.13	-0.28	1562.33	526.89	530.05	1559.17	-57.13
1	2	644	2.44	2.02	2.31	2.15	0.19	1565.47	521.78	522.26	1565.00	22.22
1	2	645	2.77	1.53	2.32	1.98	0.60	1550.40	538.30	549.13	1539.56	104.15
1	2	646	2.78	1.04	2.20	1.62	0.82	1512.87	570.47	612.78	1470.55	195.15
1	2	647	2.18	0.64	1.65	1.18	0.73	1452.36	598.79	718.74	1332.41	296.65
1	2	648	1.11	-4.54e-03	0.19	0.91	0.43	1397.03	573.14	874.16	1096.02	396.73
1	2	649	0.84	-2.11	-2.05	0.78	0.40	1412.01	418.58	1075.75	754.83	470.09
1	2	650	0.36	-4.31	-4.23	0.29	0.59	1548.36	84.61	1309.61	323.36	540.80
1	2	651	1.08	-4.68	-4.17	0.57	-1.63	1432.76	-276.84	874.38	281.54	-801.76
1	2	652	2.22	-2.72	-2.72	2.21	-0.15	1417.31	-43.52	764.54	609.25	-726.28
1	2	653	2.52	5.95e-02	0.73	1.85	-1.09	1498.61	165.81	611.67	1052.75	-628.85
1	2	654	4.13	0.38	1.89	2.63	-1.84	1572.37	309.14	517.39	1364.12	-468.72
1	2	655	4.24	0.80	1.85	3.20	-1.58	1622.03	376.10	462.81	1535.33	-317.04
1	2	656	3.92	1.28	1.77	3.42	-1.03	1646.51	402.82	431.61	1617.73	-187.01
1	2	657	3.58	1.66	1.74	3.50	-0.38	1654.82	411.46	416.00	1650.28	-75.00
1	2	658	3.54	1.74	1.78	3.50	0.27	1655.65	412.40	413.07	1654.98	28.85
1	2	659	3.82	1.47	1.88	3.41	0.89	1650.76	406.89	422.03	1635.61	136.40
1	2	660	4.06	1.11	2.03	3.14	1.37	1633.82	387.09	443.61	1577.29	259.38
1	2	661	3.75	0.86	2.04	2.56	1.42	1594.01	333.65	482.64	1445.01	406.93
1	2	662	2.60	0.26	0.60	2.26	0.83	1523.13	216.15	557.20	1182.08	573.96
1	2	663	2.40	-2.59	-2.52	2.34	0.56	1426.07	27.55	690.87	762.75	698.34
1	2	664	1.42	-4.78	-4.15	0.78	1.88	1414.98	-277.58	865.10	272.30	792.67
1	2	665	-0.18	-12.99	-12.83	-0.33	-1.39	926.58	-842.85	-0.98	84.71	-883.68
1	2	666	4.84	-0.50	0.87	3.47	2.33	1225.94	-505.15	138.07	582.72	-836.50
1	2	667	8.87	-0.34	1.54	6.99	-3.71	1579.56	-271.70	108.34	1199.52	-747.75
1	2	668	7.13	0.47	1.46	6.14	-2.36	1688.77	-5.84	167.68	1515.25	-513.75
1	2	669	6.19	0.67	1.29	5.57	-1.74	1744.69	152.85	225.98	1671.56	-333.25
1	2	670	5.48	0.87	1.13	5.22	-1.06	1759.85	242.01	266.68	1735.19	-191.91
1	2	671	5.07	1.05	1.09	5.04	-0.39	1759.59	283.76	287.69	1755.65	-76.11
1	2	672	5.05	1.11	1.12	5.03	0.27	1758.80	290.90	291.48	1758.23	29.11
1	2	673	5.39	1.03	1.25	5.17	0.95	1760.27	265.45	278.36	1747.37	138.29
1	2	674	6.02	0.94	1.54	5.42	1.63	1754.46	198.07	245.07	1707.45	266.36
1	2	675	6.60	0.97	1.93	5.64	2.12	1720.32	66.27	186.50	1600.09	429.42
1	2	676	5.97	0.95	1.55	5.36	1.63	1632.39	-181.96	99.23	1351.20	656.59
1	2	677	7.29	-2.64	-2.51	7.16	1.14	1350.53	-447.32	103.69	799.53	828.86
1	2	678	-4.67	-8.22	-7.82	-5.07	1.13	927.42	-835.31	15.24	76.87	880.83
1	2	679	20.22	-22.52	20.01	-22.31	-3.00	263.41	-1278.14	-769.67	-245.06	-724.77
1	2	680	12.86	-9.00	-7.24	11.11	5.94	982.13	-1495.02	-869.31	356.41	-1076.32
1	2	681	11.43	0.37	0.67	11.14	1.77	1609.69	-784.13	-538.92	1364.48	-725.85
1	2	682	9.19	1.38	1.54	9.03	-1.13	1782.58	-301.28	-210.76	1692.06	-424.77
1	2	683	7.77	0.66	0.82	7.61	-1.07	1845.03	-37.67	-0.67	1808.03	-261.33
1	2	684	6.79	0.50	0.58	6.72	-0.68	1857.84	106.98	119.58	1845.24	-148.01
1	2	685	6.30	0.53	0.55	6.28	-0.27	1853.99	175.54	177.56	1851.97	-58.20
1	2	686	6.28	0.57	0.57	6.28	0.15	1852.35	187.78	188.09	1852.04	22.85
1	2	687	6.76	0.61	0.67	6.71	0.59	1856.35	147.28	153.99	1849.64	106.88
1	2	688	7.78	0.82	0.99	7.61	1.07	1854.24	42.34	66.21	1830.38	206.57
1	2	689	9.35	1.62	1.92	9.05	1.50	1821.64	-158.66	-97.43	1760.41	342.78
1	2	690	11.00	2.34	2.40	10.95	0.70	1719.88	-541.10	-371.49	1550.27	595.58
1	2	691	8.71	-8.64	-1.04	1.11	-8.61	1261.14	-1289.33	-813.95	785.76	993.20
1	2	692	14.67	-12.21	14.64	-12.18	-0.89	360.09	-1273.23	-776.19	-136.96	751.52
1	2	693	6.32	-7.14	-0.13	-0.68	-6.73	971.11	-977.01	-816.30	810.41	535.96
1	2	694	39.04	-42.15	39.01	-42.11	-1.74	937.55	-2628.76	-2620.56	929.35	-170.81
1	2	695	18.05	8.67	16.83	9.88	-3.15	1715.74	-960.16	-953.88	1709.46	-129.48
1	2	696	9.34	3.05	3.05	9.34	-2.24e-02	1821.73	-428.34	-424.27	1817.66	-95.60
1	2	697	8.20	0.82	0.82	8.20	0.18	1901.97	-123.90	-121.46	1899.53	-70.27
1	2	698	7.24	0.42	0.42	7.24	8.91e-02	1922.30	42.97	44.04	1921.24	-44.69
1	2	699	6.74	0.37	0.37	6.74	-1.13e-02	1921.03	121.35	121.53	1920.85	-18.13
1	2	700	6.73	0.40	0.40	6.73	-0.11	1919.70	135.17	135.21	1919.65	8.93
1	2	701	7.21	0.49	0.50	7.20	-0.23	1922.11	88.81	89.51	1921.41	36.01
1	2	702	8.24	0.89	0.91	8.22	-0.38	1914.86	-31.09	-29.06	1912.83	62.77
1	2	703	9.72	2.97	2.99	9.70	-0.36	1869.89	-255.18	-251.38	1866.09	89.79
1	2	704	16.94	10.71	16.34	11.32	1.84	1836.20	-630.30	-625.13	1831.03	112.79
1	2	705	36.97	-19.20	36.97	-19.20	0.41	1377.28	-1716.99	-1707.62	1367.91	170.06
1	2	706	13.92	-10.30	13.70	-10.08	2.31	-175.48	-913.24	-837.74	-250.98	223.61
1	2	707	31.43	-35.16	31.34	-35.07	-2.41	862.74	-2252.93	-2243.02	852.82	175.46
1	2	708	15.21	7.55	15.03	7.73	-1.16	1647.46	-752.62	-739.65	1634.48	175.99
1	2	709	8.21	2.72	2.72	8.20	-0.17	1803.50	-287.84	-275.77	1791.43	158.42
1	2	710	7.33	0.94	0.94	7.33	3.36e-02	1905.32	-23.96	-16.41	1897.77	120.44
1	2	711	6.57	0.63	0.63	6.56	9.04e-02	1939.88	118.95	122.23	1936.60	77.20
1	2	712	6.18	0.60	0.60	6.18	8.30e-02	1946.16	185.71	186.29	1945.59	31.82
1	2	713	6.17	0.62	0.62	6.17	5.13e-02	1946.06	197.52	197.64	1945.94	-14.19
1	2	714	6.57	0.70	0.70	6.57	2.88e-02	1943.39	158.24	160.25	1941.38	-59.92
1	2	715	7.42	1.03	1.03	7.42	5.12e-02	1924.32	56.19	62.02	1918.50	-104.15
1	2	716	8.66	2.74	2.74	8.65	0.18	1859.73	-136.24	-125.76	1849.26	-144.22
1	2	717	14.93	9.29	14.78	9.43	0.88	1781.84	-459.07	-446.53	1769.31	-167.11
1	2	718	30.38	-16.29	30.25	-16.16	2.45	1311.07	-1440.21	-1427.68	1298.54	-185.24



1	2	719	22.19	-18.85	21.98	-18.65	2.90	-590.59	-1541.03	-1475.52	-656.10	240.77
1	2	720	12.67	-11.48	-6.81	8.01	-9.53	662.81	-1718.71	-1386.15	330.26	825.47
1	2	721	7.95	-0.70	-0.68	7.93	0.44	1519.30	-897.79	-821.79	1443.30	421.81
1	2	722	8.52	1.15	1.33	8.34	1.15	1791.35	-351.66	-340.14	1779.83	156.70
1	2	723	7.56	0.75	0.88	7.43	0.92	1893.11	-74.91	-72.54	1890.74	68.27
1	2	724	6.76	0.59	0.64	6.72	0.53	1924.99	71.92	72.36	1924.54	28.63
1	2	725	6.35	0.58	0.59	6.34	0.14	1929.64	140.33	140.39	1929.59	9.90
1	2	726	6.31	0.61	0.62	6.30	-0.24	1929.37	151.93	151.93	1929.37	-1.24
1	2	727	6.66	0.69	0.76	6.59	-0.65	1928.10	110.17	110.29	1927.97	-14.91
1	2	728	7.39	0.91	1.12	7.18	-1.15	1911.85	1.42	2.37	1910.90	-42.44
1	2	729	8.33	1.42	1.87	7.88	-1.71	1848.43	-213.75	-208.28	1842.96	-106.04
1	2	730	8.13	-5.52e-02	0.76	7.32	-2.45	1653.65	-643.54	-599.33	1609.44	-315.60
1	2	731	8.41	-10.36	-8.66e-02	-1.86	9.35	1089.75	-1408.63	-1206.44	887.56	-681.37
1	2	732	16.30	-9.64	16.26	-9.60	1.02	-436.63	-1572.02	-1483.80	-524.85	-303.95
1	2	733	1.80	-15.37	-13.40	-0.18	5.48	493.06	-892.77	-419.16	19.46	657.29
1	2	734	7.92	-0.80	-0.59	7.72	-1.33	910.40	-540.41	-184.51	554.49	624.25
1	2	735	8.04	-0.99	-0.55	7.60	1.96	1475.39	-373.39	-188.54	1290.55	554.59
1	2	736	6.59	0.79	1.33	6.05	1.68	1714.49	-84.21	-24.71	1655.00	321.67
1	2	737	6.04	0.93	1.31	5.66	1.33	1839.27	80.14	98.76	1820.65	180.01
1	2	738	5.61	0.99	1.13	5.47	0.80	1890.60	170.54	175.50	1885.64	92.17
1	2	739	5.36	1.04	1.06	5.35	0.26	1906.37	212.72	213.43	1905.66	34.66
1	2	740	5.31	1.08	1.10	5.29	-0.27	1908.03	219.22	219.29	1907.96	-11.18
1	2	741	5.43	1.12	1.27	5.28	-0.80	1899.33	191.66	193.89	1897.10	-61.66
1	2	742	5.63	1.18	1.58	5.23	-1.27	1866.04	120.59	131.01	1855.62	-134.48
1	2	743	5.54	1.29	1.78	5.05	-1.36	1775.87	-18.61	17.74	1739.52	-252.81
1	2	744	4.99	-0.49	-0.45	4.95	0.43	1574.23	-284.34	-163.75	1453.64	-457.81
1	2	745	10.70	-6.03	-5.71	10.38	-2.28	1116.25	-524.45	-208.59	800.39	-646.90
1	2	746	-1.37	-9.79	-6.03	-5.12	-4.18	502.14	-853.45	-374.92	23.60	-647.84
1	2	747	2.60	-5.13	-3.52	0.99	3.14	1072.74	-171.27	624.74	276.73	597.17
1	2	748	3.91	-3.26	-3.07	3.73	1.13	1131.09	33.95	528.17	636.86	545.87
1	2	749	3.18	-0.38	-0.16	2.96	0.86	1375.16	171.17	394.47	1151.85	467.96
1	2	750	3.88	0.93	1.54	3.27	1.19	1608.58	253.06	334.14	1527.51	321.44
1	2	751	4.22	1.29	1.72	3.78	1.04	1756.61	291.39	318.45	1729.55	197.29
1	2	752	4.25	1.46	1.63	4.08	0.67	1831.18	309.68	317.32	1823.54	107.52
1	2	753	4.22	1.53	1.55	4.20	0.24	1860.47	317.38	318.49	1859.36	41.42
1	2	754	4.17	1.56	1.57	4.16	-0.18	1864.28	317.80	317.95	1864.13	-14.99
1	2	755	4.08	1.57	1.70	3.96	-0.54	1846.01	311.07	314.84	1842.24	-75.94
1	2	756	3.84	1.53	1.81	3.56	-0.76	1791.32	294.24	310.73	1774.83	-156.26
1	2	757	3.20	1.31	1.51	2.99	-0.59	1671.61	259.90	313.85	1617.67	-270.63
1	2	758	3.23	-0.64	-0.62	3.20	-0.32	1459.03	195.58	353.25	1301.35	-417.56
1	2	759	3.94	-3.74	-3.48	3.67	-1.41	1187.15	85.95	463.90	809.20	-522.83
1	2	760	3.08	-4.95	-3.09	1.22	-3.39	1054.70	-165.00	620.51	269.20	-584.00
1	2	761	0.52	-3.84	-3.67	0.35	0.85	1236.13	223.37	1105.49	354.02	339.48
1	2	762	1.22	-2.40	-2.28	1.09	0.66	1153.10	477.38	958.48	672.00	305.99
1	2	763	1.65	-0.12	-2.96e-02	1.55	0.39	1255.29	606.57	749.59	1112.27	268.93
1	2	764	2.22	1.24	1.42	2.04	0.38	1498.41	547.55	593.81	1452.15	204.57
1	2	765	2.80	1.72	1.88	2.64	0.39	1677.36	480.79	496.73	1661.42	137.17
1	2	766	3.18	1.84	1.90	3.11	0.28	1774.48	438.05	442.81	1769.72	79.59
1	2	767	3.36	1.84	1.85	3.35	0.12	1815.65	416.55	417.26	1814.94	31.57
1	2	768	3.35	1.84	1.85	3.34	-3.82e-02	1821.15	412.27	412.38	1821.05	-12.17
1	2	769	3.13	1.86	1.88	3.12	-0.15	1794.34	424.43	426.92	1791.85	-58.31
1	2	770	2.73	1.78	1.80	2.70	-0.14	1720.10	455.93	466.13	1709.90	-113.09
1	2	771	2.27	1.23	1.23	2.27	-3.98e-02	1570.92	512.17	543.34	1539.76	-178.95
1	2	772	2.06	-0.23	-0.23	2.05	-0.14	1337.13	584.87	676.53	1245.47	-246.07
1	2	773	1.88	-2.20	-2.02	1.70	-0.82	1141.57	558.31	867.92	831.95	-291.08
1	2	774	1.00	-3.75	-3.34	0.60	-1.33	1224.17	217.71	1099.89	341.98	-331.11
1	2	775	0.11	-3.83	-3.83	0.11	-0.13	1252.19	365.26	1250.47	366.98	39.00
1	2	776	0.60	-2.12	-2.10	0.58	-0.18	1098.11	680.42	1095.22	683.32	34.67
1	2	777	1.23	2.46e-02	0.13	1.12	-0.34	1115.34	867.51	873.61	1109.23	38.42
1	2	778	2.01	1.10	1.38	1.72	-0.42	1436.15	698.85	701.49	1433.51	44.05
1	2	779	2.49	1.67	1.82	2.34	-0.32	1637.76	584.45	586.02	1636.19	40.72
1	2	780	2.81	1.87	1.89	2.78	-0.16	1744.53	516.03	516.70	1743.86	28.78
1	2	781	3.01	1.87	1.87	3.01	-3.65e-02	1790.10	481.96	482.08	1789.98	12.54
1	2	782	3.03	1.84	1.85	3.03	7.62e-02	1796.09	475.85	475.87	1796.07	-5.14
1	2	783	2.91	1.77	1.82	2.86	0.22	1766.00	496.75	497.15	1765.60	-22.55
1	2	784	2.70	1.51	1.67	2.54	0.41	1684.29	549.17	550.39	1683.07	-37.15
1	2	785	2.36	0.94	1.18	2.12	0.53	1520.13	643.65	645.88	1517.90	-44.20
1	2	786	1.81	-9.10e-03	9.47e-02	1.71	0.42	1242.60	792.35	795.96	1238.99	-40.17
1	2	787	1.14	-1.48	-1.48	1.13	0.10	1006.47	838.15	1000.11	844.51	-32.09
1	2	788	0.27	-3.51	-3.51	0.27	-0.13	1246.90	356.01	1245.67	357.24	-33.08
1	2	789	0.57	-3.94	-3.60	0.22	-1.20	1162.01	259.21	1087.77	333.46	-248.02
1	2	790	1.89	-2.22	-2.03	1.69	-0.87	1086.84	549.28	959.22	676.90	-228.73
1	2	791	2.35	-0.33	0.34	1.68	-1.16	1212.98	705.50	779.74	1138.73	-179.35
1	2	792	3.20	0.46	1.31	2.36	-1.27	1480.54	645.57	658.37	1467.74	-102.59
1	2	793	3.33	1.06	1.53	2.85	-0.92	1657.39	577.86	580.14	1655.11	-49.56
1	2	794	3.24	1.46	1.62	3.08	-0.51	1750.91	529.46	529.82	1750.55	-21.01



1	2	795	3.19	1.63	1.65	3.17	-0.16	1790.62	502.82	502.85	1790.59	-6.61
1	2	796	3.20	1.61	1.63	3.19	0.14	1795.62	498.00	498.00	1795.61	2.43
1	2	797	3.27	1.42	1.54	3.15	0.46	1769.11	514.99	515.14	1768.96	13.58
1	2	798	3.37	1.04	1.39	3.01	0.84	1697.82	553.83	554.92	1696.73	35.27
1	2	799	3.26	0.54	1.13	2.67	1.12	1554.85	613.38	620.00	1548.23	78.67
1	2	800	2.87	-0.25	0.26	2.35	1.16	1314.82	684.00	722.39	1276.42	150.81
1	2	801	2.26	-1.68	-1.37	1.95	1.06	1084.95	647.65	879.24	853.35	218.27
1	2	802	0.67	-3.40	-3.16	0.43	0.96	1161.45	253.86	1084.60	330.71	252.67
1	2	803	0.52	-7.79	-7.49	0.22	-1.55	795.07	-78.98	517.88	198.22	-406.75
1	2	804	4.48	0.22	0.56	4.14	-1.15	1023.35	193.53	575.33	641.55	-413.58
1	2	805	5.32	-0.71	0.19	4.43	-2.14	1355.70	366.80	485.00	1237.50	-320.81
1	2	806	5.22	-4.35e-02	0.78	4.39	-1.91	1576.23	477.45	507.82	1545.86	-180.15
1	2	807	4.42	0.61	0.97	4.06	-1.11	1712.50	499.31	507.71	1704.10	-100.60
1	2	808	3.89	1.07	1.19	3.77	-0.57	1783.05	494.38	496.47	1780.96	-51.85
1	2	809	3.64	1.30	1.32	3.63	-0.19	1812.09	486.23	486.51	1811.81	-19.12
1	2	810	3.63	1.30	1.30	3.63	0.13	1815.37	484.42	484.47	1815.32	7.68
1	2	811	3.85	1.07	1.16	3.76	0.48	1795.64	490.45	491.49	1794.60	36.83
1	2	812	4.31	0.64	0.91	4.04	0.95	1742.30	498.20	503.04	1737.47	77.41
1	2	813	4.95	8.66e-02	0.69	4.34	1.61	1634.44	489.50	507.42	1616.53	142.10
1	2	814	4.40	-0.10	0.36	3.94	1.37	1445.04	414.54	483.10	1376.48	256.80
1	2	815	7.79	-2.29	-1.20	6.70	3.13	1162.10	252.74	526.48	888.36	417.12
1	2	816	-0.34	-3.96	-3.83	-0.47	0.67	820.24	-63.71	543.58	212.94	409.89
1	2	817	11.32	-3.82	10.56	-3.06	3.32	-114.55	-481.60	-264.07	-332.08	-180.34
1	2	818	7.16	-5.32	-1.39	3.22	5.80	992.44	-502.47	-181.47	671.44	-613.87
1	2	819	8.96	-2.43	-0.21	6.73	-4.52	1428.93	90.38	165.21	1354.10	-307.51
1	2	820	6.78	-0.62	-0.45	6.61	-1.11	1642.87	329.89	350.48	1622.27	-163.15
1	2	821	5.23	0.37	0.43	5.17	-0.54	1763.36	414.71	422.47	1755.60	-101.97
1	2	822	4.41	0.86	0.88	4.39	-0.28	1820.95	442.71	445.20	1818.46	-58.57
1	2	823	4.07	1.07	1.08	4.06	-0.10	1843.03	449.60	449.98	1842.65	-23.03
1	2	824	4.04	1.07	1.07	4.04	4.72e-02	1845.16	450.23	450.29	1845.09	9.65
1	2	825	4.32	0.86	0.87	4.31	0.21	1829.99	446.98	448.36	1828.62	43.57
1	2	826	5.03	0.41	0.45	4.99	0.43	1787.15	430.82	435.93	1782.04	83.06
1	2	827	6.41	-0.47	-0.33	6.27	0.96	1694.35	376.17	390.26	1680.26	135.57
1	2	828	8.88	-2.48	-0.71	7.11	4.12	1525.98	215.67	265.26	1476.39	250.03
1	2	829	5.28	-2.98	3.40	-1.10	-3.47	1216.03	-222.28	-41.52	1035.27	476.78
1	2	830	8.12	-4.08	3.85	0.19	-5.82	-63.43	-519.52	-313.34	-269.61	226.99
1	2	831	36.57	-8.58	36.48	-8.49	2.06	1024.05	-453.66	-423.86	994.25	-207.72
1	2	832	16.41	-0.66	-0.43	16.18	1.98	1510.78	92.34	103.24	1499.88	-123.86
1	2	833	6.85	0.76	0.77	6.85	0.14	1658.53	300.83	311.07	1648.29	-117.49
1	2	834	5.20	0.56	0.56	5.20	1.25e-02	1781.40	381.50	386.97	1775.93	-87.34
1	2	835	4.51	0.85	0.85	4.51	-3.02e-02	1840.02	414.04	416.18	1837.88	-55.21
1	2	836	4.20	1.03	1.03	4.20	-2.79e-02	1861.77	424.30	424.66	1861.41	-22.73
1	2	837	4.18	1.03	1.03	4.18	-8.69e-03	1863.84	425.45	425.52	1863.77	9.75
1	2	838	4.42	0.85	0.85	4.42	-1.08e-02	1849.07	419.80	421.06	1847.81	42.46
1	2	839	5.02	0.54	0.54	5.02	-5.82e-02	1806.02	399.57	403.61	1801.98	75.31
1	2	840	6.44	0.60	0.61	6.43	-0.19	1712.71	346.38	354.78	1704.32	106.76
1	2	841	13.88	-9.12e-02	0.14	13.65	-1.77	1595.59	196.10	206.23	1585.46	118.63
1	2	842	25.97	7.36	25.63	7.69	-2.48	1256.28	31.77	58.04	1230.01	177.44
1	2	843	8.49	-1.86	4.68	1.94	-4.99	-506.29	-776.05	-673.57	-608.77	-130.93
1	2	844	4.52	-7.87	-1.22	-2.13	-6.18	832.27	-521.39	-437.29	748.17	326.76
1	2	845	8.08	-3.24	0.37	4.48	5.27	1366.26	46.50	46.56	1366.20	8.63
1	2	846	6.54	-0.64	-0.35	6.25	1.41	1651.37	266.19	270.72	1646.85	-79.01
1	2	847	5.25	0.46	0.51	5.20	0.49	1788.12	358.03	361.98	1784.17	-75.03
1	2	848	4.56	0.89	0.89	4.55	0.14	1850.44	393.56	395.42	1848.59	-51.91
1	2	849	4.27	1.05	1.05	4.27	2.01e-02	1873.46	405.45	405.78	1873.12	-22.15
1	2	850	4.24	1.05	1.05	4.24	-4.25e-02	1875.74	406.79	406.86	1875.68	9.61
1	2	851	4.46	0.88	0.89	4.45	-0.16	1860.36	399.65	400.80	1859.21	40.88
1	2	852	5.05	0.47	0.52	5.01	-0.46	1814.87	375.95	379.18	1811.63	68.15
1	2	853	6.21	-0.51	-0.28	5.98	-1.21	1710.87	312.29	317.11	1706.05	81.96
1	2	854	7.53	-2.65	-0.23	5.12	-4.33	1488.66	162.95	163.37	1488.25	23.39
1	2	855	3.10	-3.47	2.77	-3.14	1.43	1127.21	-256.16	-241.14	1112.19	-143.37
1	2	856	9.33	-6.04	1.74	1.55	7.68	-493.89	-719.75	-699.32	-514.32	64.79
1	2	857	3.59	-8.42	-6.31	1.48	4.56	286.84	90.27	213.67	163.44	95.02
1	2	858	6.81	-1.65	-1.43	6.59	1.35	647.49	214.76	275.02	587.23	149.81
1	2	859	4.00	-0.53	-0.45	3.93	0.56	1269.84	200.46	204.85	1265.45	68.34
1	2	860	4.86	0.55	1.05	4.37	1.37	1613.39	288.08	288.92	1612.55	-33.41
1	2	861	4.59	0.95	1.11	4.44	0.73	1788.55	330.15	332.35	1786.35	-56.61
1	2	862	4.39	1.13	1.16	4.36	0.31	1869.43	350.65	352.02	1868.06	-45.65
1	2	863	4.30	1.19	1.19	4.30	8.61e-02	1899.73	359.19	359.47	1899.45	-20.67
1	2	864	4.27	1.19	1.19	4.27	-6.83e-02	1903.25	359.90	359.95	1903.20	8.76
1	2	865	4.31	1.12	1.15	4.28	-0.29	1883.81	353.41	354.30	1882.92	36.87
1	2	866	4.47	0.90	1.04	4.33	-0.69	1825.27	336.89	339.01	1823.15	56.10
1	2	867	4.68	0.48	0.88	4.28	-1.23	1691.73	302.19	304.03	1689.90	50.43
1	2	868	3.64	-0.28	-0.25	3.61	-0.30	1417.00	225.62	225.81	1416.81	-15.04
1	2	869	7.89	-3.62	-3.10	7.38	-2.38	902.01	188.00	228.68	861.33	-165.51
1	2	870	2.45	-4.34	-2.42	0.53	-3.06	313.64	95.25	239.61	169.28	-103.38



1	2	871	1.55	-3.13	-2.55	0.97	1.53	627.00	293.54	622.38	298.17	-39.01
1	2	872	3.42	-2.28	-2.06	3.20	1.10	656.31	515.43	520.15	651.59	-25.34
1	2	873	3.14	-0.18	-4.58e-02	3.01	0.64	1180.69	380.04	382.26	1178.47	-42.16
1	2	874	3.48	1.24	1.37	3.36	0.51	1574.27	315.08	319.01	1570.34	-70.20
1	2	875	3.98	1.49	1.53	3.94	0.31	1787.80	302.26	305.51	1784.55	-69.35
1	2	876	4.28	1.40	1.41	4.28	0.13	1886.71	305.93	307.46	1885.18	-49.17
1	2	877	4.39	1.32	1.32	4.39	4.60e-02	1924.14	310.44	310.73	1923.85	-21.56
1	2	878	4.37	1.32	1.32	4.37	2.96e-03	1928.92	310.51	310.55	1928.87	8.14
1	2	879	4.21	1.39	1.40	4.20	-9.59e-02	1905.59	305.25	306.13	1904.71	37.48
1	2	880	3.92	1.42	1.46	3.88	-0.32	1834.13	297.58	300.14	1831.57	62.69
1	2	881	3.55	1.03	1.16	3.42	-0.57	1668.43	299.02	303.01	1664.44	73.80
1	2	882	3.57	-0.49	-0.35	3.43	-0.74	1342.15	340.80	343.84	1339.12	55.04
1	2	883	3.64	-2.34	-2.17	3.48	-0.97	841.97	453.57	455.15	840.39	24.75
1	2	884	1.51	-2.31	-2.04	1.25	-0.97	620.87	287.84	618.11	290.61	30.22
1	2	885	1.47	-3.40	-2.93	1.01	-1.43	703.03	114.45	531.83	285.65	-267.31
1	2	886	3.36	-2.39	-2.37	3.34	0.31	808.21	269.38	432.49	645.10	-247.55
1	2	887	3.18	0.25	0.26	3.17	0.12	1230.26	246.65	297.69	1179.22	-218.17
1	2	888	3.78	1.54	1.60	3.71	-0.37	1599.86	222.06	238.91	1583.01	-151.41
1	2	889	4.37	1.56	1.60	4.32	-0.35	1812.17	227.44	233.28	1806.33	-96.07
1	2	890	4.67	1.38	1.40	4.66	-0.21	1911.66	243.64	245.42	1909.88	-54.46
1	2	891	4.78	1.27	1.27	4.78	-4.08e-02	1949.01	255.50	255.78	1948.72	-21.90
1	2	892	4.75	1.28	1.28	4.75	0.13	1953.92	256.94	256.97	1953.89	6.92
1	2	893	4.58	1.41	1.44	4.56	0.26	1931.28	246.81	247.65	1930.44	37.53
1	2	894	4.19	1.61	1.64	4.15	0.30	1860.46	228.03	231.57	1856.93	75.87
1	2	895	3.54	1.54	1.54	3.53	5.74e-02	1695.44	211.51	222.78	1684.16	128.85
1	2	896	3.50	-0.24	-0.18	3.44	-0.48	1377.12	221.63	256.57	1342.18	197.87
1	2	897	3.49	-2.72	-2.71	3.48	-0.18	927.03	265.06	367.76	824.33	239.66
1	2	898	1.79	-3.24	-2.65	1.20	1.62	684.14	115.77	526.33	273.58	254.54
1	2	899	0.82	-12.06	-11.03	-0.20	-3.48	381.01	-411.03	-126.20	96.18	-380.09
1	2	900	5.84	-1.36	-0.57	5.05	2.26	762.38	-177.29	-0.38	585.48	-367.34
1	2	901	6.84	6.04e-04	0.46	6.38	-1.70	1350.60	-127.40	-43.37	1266.56	-342.26
1	2	902	5.86	1.18	1.41	5.63	-1.02	1676.76	14.36	34.50	1656.62	-181.87
1	2	903	5.63	1.22	1.36	5.50	-0.76	1859.22	109.05	113.74	1854.53	-90.45
1	2	904	5.50	1.09	1.13	5.46	-0.42	1940.87	170.40	171.37	1939.90	-41.35
1	2	905	5.42	1.02	1.02	5.42	-8.87e-02	1969.66	202.39	202.51	1969.54	-14.93
1	2	906	5.40	1.03	1.04	5.39	0.22	1973.28	207.55	207.56	1973.27	3.10
1	2	907	5.42	1.15	1.21	5.36	0.53	1956.47	186.10	186.44	1956.13	24.28
1	2	908	5.44	1.35	1.53	5.26	0.84	1900.86	135.29	137.45	1898.71	61.67
1	2	909	15.43	-4.90	-3.54	14.07	5.07	1326.12	-1475.30	-977.92	828.74	1070.51
1	2	910	-1.27	-6.75	-2.75	-5.27	2.44	439.92	-1908.38	-1336.45	-132.01	1007.95
1	2	911	5.03	-43.95	-32.00	-6.91	21.03	448.77	-741.02	-707.82	415.56	195.97
1	2	912	27.81	-31.25	27.52	-30.95	4.15	1324.70	-2553.30	-2553.28	1324.68	-8.35
1	2	913	1.02	-13.46	-12.59	0.15	-3.44	1164.51	-3412.90	-3411.87	1163.49	-68.49
1	2	914	6.52	-18.40	-12.92	1.04	-10.32	1167.90	-3404.88	-3402.86	1165.87	-96.27
1	2	915	-0.27	-24.64	-3.73	-21.18	-8.50	736.02	-916.63	-915.82	735.21	-36.47
1	2	916	5.78	-15.15	-11.58	2.20	7.88	1031.59	-2893.23	-2892.44	1030.81	55.52
1	2	917	10.11	0.19	4.88	5.42	4.95	259.91	-292.37	60.77	-93.23	-265.19
1	2	918	0.86	-8.65	-6.86	-0.94	-3.72	1210.69	-190.40	1121.58	-101.29	-341.93
1	2	919	-1.03	-9.01	-9.01	-1.03	6.12e-02	1670.06	-87.70	1644.16	-61.80	-211.79
1	2	920	-0.27	-8.18	-8.17	-0.27	0.12	1866.10	-55.46	1861.57	-50.93	-93.19
1	2	921	-0.11	-7.52	-7.52	-0.11	3.49e-02	1903.61	-49.19	1903.24	-48.81	26.99
1	2	922	-0.10	-7.11	-7.11	-0.10	-3.06e-02	1806.63	-61.78	1794.84	-50.00	147.91
1	2	923	-0.20	-6.74	-6.74	-0.20	-7.21e-02	1560.84	-97.93	1516.63	-53.72	267.18
1	2	924	-0.62	-5.86	-5.86	-0.62	-2.38e-02	1122.25	-182.30	1001.19	-61.24	378.52
1	2	925	-1.76	-3.42	-3.01	-2.16	0.71	489.45	-464.89	104.91	-80.35	468.09
1	2	926	52.06	-4.31	35.91	11.84	-25.49	-239.20	-4353.22	-4342.39	-250.04	-210.81
1	2	927	28.00	-34.96	16.31	-23.28	-24.48	-711.91	-1639.33	-1636.17	-715.07	-54.04
1	2	928	45.73	-41.64	22.10	-18.02	38.81	-767.41	-4035.60	-3998.13	-804.88	347.94
1	2	929	15.46	-5.09	3.15	7.22	-10.07	253.69	-1382.04	-1117.94	-10.41	-601.87
1	2	930	-1.04	-5.21	-5.06	-1.20	-0.79	586.17	-364.92	293.63	-72.38	-438.92
1	2	931	-0.48	-6.84	-6.84	-0.48	3.02e-02	1182.36	-152.81	1091.07	-61.51	-336.98
1	2	932	-0.18	-7.07	-7.07	-0.18	7.91e-02	1556.80	-85.14	1526.98	-55.32	-219.27
1	2	933	-0.11	-6.91	-6.91	-0.11	4.12e-02	1730.04	-57.35	1724.95	-52.26	-95.24
1	2	934	-0.11	-6.71	-6.71	-0.11	-6.07e-03	1739.52	-51.94	1739.04	-51.46	29.42
1	2	935	-0.18	-6.43	-6.43	-0.18	-4.59e-02	1590.61	-66.98	1576.62	-52.99	151.62
1	2	936	-0.55	-5.74	-5.74	-0.55	-2.58e-02	1253.57	-112.36	1199.47	-58.26	266.40
1	2	937	-1.86	-3.67	-3.51	-2.02	0.51	677.73	-251.06	502.07	-75.40	363.72
1	2	938	9.16	-6.43	4.54	-1.81	7.12	97.21	-1036.66	-823.02	-116.43	443.40
1	2	939	40.24	3.52	27.67	16.09	-17.42	-123.05	-3125.35	-3124.12	-124.28	-60.67
1	2	940	34.12	-26.80	15.79	-8.47	27.94	-548.02	-2837.01	-2813.35	-571.68	231.53
1	2	941	10.47	-4.98	1.14	4.35	-7.56	211.96	-717.19	-463.87	-41.36	-413.77
1	2	942	-1.03	-6.11	-6.03	-1.11	-0.62	742.30	-159.23	655.13	-72.05	-266.44
1	2	943	-0.44	-7.89	-7.89	-0.44	-2.20e-02	1246.37	-81.97	1228.45	-64.06	-153.21
1	2	944	-0.24	-8.31	-8.31	-0.24	1.40e-02	1445.69	-62.12	1445.22	-61.64	-26.85
1	2	945	-0.33	-7.81	-7.81	-0.33	8.42e-02	1371.72	-69.75	1364.54	-62.56	101.52
1	2	946	-7.65e-02	-5.37	-5.22	-0.23	0.89	1008.38	-110.18	961.58	-63.38	223.96



1	2	947	15.08	-0.92	4.97	9.19	7.72	497.67	-334.64	137.22	25.81	412.41
1	2	948	25.25	-43.17	14.59	-32.51	-24.81	-876.84	-1592.94	-1580.60	-889.18	-93.18
1	2	949	12.81	0.43	6.43	6.82	6.19	252.73	-281.08	-28.37	2.02e-02	266.53
1	2	950	40.30	-29.13	27.29	-16.12	27.09	-627.51	-2524.52	-2514.91	-637.13	134.70
1	2	951	16.41	-1.73	9.16	5.51	-8.88	343.42	-742.99	-375.63	-23.94	-513.96
1	2	952	-0.75	-3.16	-2.77	-1.13	-0.88	830.31	-207.52	687.87	-65.07	-357.13
1	2	953	-0.47	-6.06	-6.06	-0.47	-3.89e-02	1327.37	-101.90	1281.06	-55.60	-253.05
1	2	954	-0.18	-7.05	-7.05	-0.18	3.12e-02	1603.15	-62.70	1591.49	-51.04	-138.91
1	2	955	-0.12	-7.39	-7.39	-0.12	4.16e-04	1706.85	-49.77	1706.63	-49.55	-19.89
1	2	956	-0.15	-7.51	-7.51	-0.15	-3.47e-02	1662.01	-56.17	1656.20	-50.36	99.72
1	2	957	-0.31	-7.19	-7.19	-0.31	1.82e-02	1456.33	-84.74	1425.37	-53.77	216.24
1	2	958	-0.20	-5.19	-5.06	-0.34	0.80	1044.65	-154.95	947.46	-57.76	327.33
1	2	959	15.52	-1.58	4.87	9.07	8.29	568.46	-454.51	87.08	26.87	510.60
1	2	960	27.08	-41.90	16.87	-31.69	-24.50	-870.52	-1622.83	-1622.48	-870.87	-16.20
1	2	961	24.72	-34.00	14.59	-23.86	-22.19	-662.20	-1702.70	-1651.48	-713.43	-225.11
1	2	962	37.68	-30.82	24.71	-17.86	26.83	-637.13	-2502.67	-2474.59	-665.21	227.14
1	2	963	16.12	-0.35	9.86	5.92	-7.99	257.10	-613.90	-339.27	-17.53	-404.70
1	2	964	-0.40	-2.82	-2.30	-0.92	-0.99	766.94	-143.61	692.86	-69.53	-248.92
1	2	965	-0.50	-6.10	-6.09	-0.50	-0.12	1229.37	-78.86	1215.11	-64.60	-135.84
1	2	966	-0.44	-7.13	-7.13	-0.44	-1.52e-02	1369.03	-63.94	1368.93	-63.83	-12.32
1	2	967	-1.11	-6.70	-6.69	-1.12	0.23	1195.63	-80.81	1186.08	-71.25	110.04
1	2	968	2.90	-5.74	-2.45	-0.39	4.20	631.30	-170.53	555.27	-94.50	234.91
1	2	969	17.02	-4.52	6.39	6.11	-10.76	-172.51	-914.28	-912.82	-173.97	32.79
1	2	970	15.99	8.28	10.00	14.28	3.21	3.68	-1103.27	-1103.02	3.43	16.65
1	2	971	2.32	-4.09	0.76	-2.52	-2.75	202.52	-133.17	188.51	-119.16	-67.13
1	2	972	-1.36	-3.63	-3.62	-1.38	-0.19	694.04	-77.34	693.99	-77.28	6.35
1	2	973	-0.28	-2.77	-2.46	-0.59	0.82	617.15	-87.44	599.49	-69.78	110.15
1	2	974	12.33	-6.15	6.40	-0.23	8.62	79.76	-1721.66	-1537.59	-104.32	545.63
1	2	975	4.45	-46.69	-35.00	-7.24	-21.47	449.92	-726.51	-697.24	420.64	-183.25
1	2	976	-5.95e-02	-27.26	-3.60	-23.71	9.16	757.96	-899.91	-899.16	757.21	35.19
1	2	977	7.21	-18.23	-11.39	0.38	11.28	1180.01	-3407.07	-3404.75	1177.68	103.19
1	2	978	28.79	-36.08	28.31	-35.59	-5.59	1355.35	-2515.51	-2515.49	1355.32	10.34
1	2	979	49.67	-38.67	48.87	-37.86	-8.38	1699.81	-3494.79	-3494.66	1699.68	25.99
1	2	980	1.19	-13.04	-11.36	-0.49	4.58	1176.12	-3412.74	-3411.28	1174.67	81.79
1	2	981	5.28	-14.09	-10.39	1.58	-7.61	1042.14	-2895.75	-2895.16	1041.55	-48.24
1	2	982	8.45	-6.96	-0.46	1.95	-7.61	245.89	-317.11	90.69	-161.92	251.58
1	2	983	1.50	-7.71	-5.93	-0.28	3.64	1225.73	-176.32	1136.95	-87.54	341.46
1	2	984	-0.70	-8.98	-8.98	-0.70	-6.84e-02	1671.77	-85.55	1646.01	-59.78	211.23
1	2	985	-0.21	-8.17	-8.17	-0.22	-0.11	1867.37	-55.39	1862.87	-50.88	93.00
1	2	986	-9.85e-02	-7.59	-7.59	-9.86e-02	-2.80e-02	1904.49	-49.38	1904.10	-48.99	-27.47
1	2	987	-0.10	-7.33	-7.33	-0.10	4.02e-02	1807.11	-62.11	1795.21	-50.21	-148.68
1	2	988	-0.20	-7.20	-7.20	-0.20	8.66e-02	1560.65	-98.49	1516.12	-53.96	-268.15
1	2	989	-0.54	-6.70	-6.70	-0.54	1.82e-02	1120.09	-182.98	998.34	-61.23	-379.24
1	2	990	-1.22	-4.27	-4.03	-1.46	-0.81	480.34	-464.16	93.54	-77.36	-464.46
1	2	991	15.99	-4.71	11.60	-0.31	-8.46	77.42	-1716.61	-1545.59	-93.60	-526.84
1	2	992	55.30	-5.95	33.66	15.68	29.28	-271.32	-4339.43	-4326.56	-284.19	228.48
1	2	993	48.47	-45.37	20.02	-16.92	-43.13	-813.43	-4032.77	-3985.93	-860.27	-385.49
1	2	994	17.80	-2.44	7.88	7.48	10.12	249.75	-1375.70	-1129.28	3.32	582.94
1	2	995	-0.28	-6.52	-6.41	-0.40	0.83	577.84	-362.96	283.60	-68.72	436.17
1	2	996	-0.38	-7.77	-7.77	-0.38	-3.16e-02	1180.91	-153.44	1088.95	-61.48	338.00
1	2	997	-0.17	-7.58	-7.58	-0.17	-9.24e-02	1556.86	-85.67	1526.79	-55.60	220.21
1	2	998	-0.10	-7.22	-7.22	-0.10	-4.64e-02	1730.37	-57.66	1725.23	-52.51	95.79
1	2	999	-0.10	-6.97	-6.97	-0.10	8.56e-03	1739.72	-52.17	1739.24	-51.70	-29.25
1	2	1000	-0.18	-6.79	-6.79	-0.18	5.43e-02	1590.26	-67.24	1576.26	-53.23	-151.73
1	2	1001	-0.49	-6.33	-6.33	-0.49	1.96e-02	1251.53	-112.49	1197.33	-58.30	-266.43
1	2	1002	-1.35	-4.28	-4.15	-1.47	-0.59	668.69	-248.31	493.50	-73.12	-360.50
1	2	1003	12.12	-5.30	8.66	-1.83	-6.95	92.59	-1027.51	-827.14	-107.78	-429.29
1	2	1004	43.01	1.30	25.28	19.04	20.62	-152.74	-3114.37	-3112.51	-154.60	74.20
1	2	1005	36.69	-29.30	14.62	-7.23	-31.14	-581.11	-2831.56	-2801.75	-610.92	-257.29
1	2	1006	12.32	-2.93	4.90	4.49	7.62	203.00	-707.69	-472.59	-32.10	398.53
1	2	1007	-0.44	-7.14	-7.08	-0.50	0.65	735.43	-155.78	649.16	-69.50	263.52
1	2	1008	-0.36	-8.77	-8.77	-0.36	2.89e-02	1247.56	-81.98	1229.77	-64.20	152.73
1	2	1009	-0.22	-9.14	-9.14	-0.22	-9.61e-04	1450.06	-62.52	1449.63	-62.09	25.52
1	2	1010	-0.25	-9.11	-9.11	-0.25	-2.97e-02	1378.75	-70.51	1371.19	-62.95	-104.40
1	2	1011	0.23	-7.72	-7.66	0.18	-0.67	1015.96	-110.28	968.12	-62.43	-227.14
1	2	1012	15.48	-1.43	5.46	8.59	-8.31	487.33	-331.69	134.59	21.04	-405.55
1	2	1013	27.04	-43.36	15.92	-32.23	25.68	-881.18	-1620.96	-1607.86	-894.28	97.57
1	2	1014	26.63	-33.32	16.34	-23.03	22.60	-657.63	-1732.09	-1680.97	-708.74	228.72
1	2	1015	41.23	-31.61	26.53	-16.91	-29.23	-653.44	-2538.26	-2525.76	-665.95	-153.00
1	2	1016	17.82	-1.51	11.17	5.14	9.18	333.96	-735.63	-381.96	-19.71	503.19
1	2	1017	-0.40	-5.19	-5.07	-0.52	0.74	833.52	-206.92	689.51	-62.90	359.31
1	2	1018	-0.37	-7.31	-7.31	-0.37	-6.95e-03	1334.33	-103.17	1287.04	-55.88	256.40
1	2	1019	-0.16	-7.67	-7.67	-0.16	-5.34e-02	1609.73	-63.43	1597.78	-51.48	140.88
1	2	1020	-0.10	-7.79	-7.79	-0.10	-3.52e-03	1713.29	-50.18	1713.06	-49.94	20.53
1	2	1021	-0.13	-8.01	-8.01	-0.13	5.10e-02	1669.21	-56.63	1663.35	-50.77	-100.44
1	2	1022	-0.22	-8.19	-8.19	-0.22	3.20e-02	1465.21	-85.47	1433.76	-54.02	-218.58



1	2	1023	0.18	-7.21	-7.16	0.13	-0.60	1053.67	-154.13	955.66	-56.12	-329.80
1	2	1024	16.14	-1.76	5.65	8.74	-8.82	564.05	-445.57	91.11	27.37	-503.80
1	2	1025	27.84	-43.71	16.66	-32.52	25.99	-896.29	-1636.86	-1636.08	-897.08	24.13
1	2	1026	39.82	-31.38	26.01	-17.57	-28.15	-643.33	-2527.20	-2496.40	-674.13	-238.88
1	2	1027	17.34	-0.64	11.46	5.24	8.43	241.88	-613.61	-353.26	-18.47	393.63
1	2	1028	-0.24	-5.19	-5.05	-0.38	0.83	769.15	-143.77	693.47	-68.09	251.73
1	2	1029	-0.41	-7.69	-7.69	-0.41	6.57e-02	1235.03	-80.03	1220.04	-65.04	139.61
1	2	1030	-0.38	-8.09	-8.09	-0.38	-1.65e-02	1373.15	-64.34	1372.99	-64.19	14.78
1	2	1031	-0.76	-7.37	-7.36	-0.77	-0.26	1195.86	-79.07	1186.77	-69.98	-107.27
1	2	1032	3.70	-4.63	-0.81	-0.12	-4.15	631.54	-160.06	558.85	-87.37	-228.61
1	2	1033	18.07	-8.13	3.88	6.07	13.05	-208.49	-904.71	-904.39	-208.82	-15.03
1	2	1034	18.51	8.42	10.38	16.56	-3.99	-2.30	-1087.07	-1086.87	-2.50	-14.60
1	2	1035	3.59	-4.05	2.31	-2.76	2.85	196.91	-128.92	186.36	-118.37	57.68
1	2	1036	-1.08	-5.31	-5.30	-1.10	0.27	695.38	-77.13	695.21	-76.96	-11.25
1	2	1037	-0.13	-5.33	-5.26	-0.21	-0.63	620.81	-87.82	602.17	-69.18	-113.40
1	2	1038	13.12	-0.29	6.75	6.08	-6.70	237.67	-281.94	-38.40	-5.86	-259.30
1	2	1039	14.90	-2.42	-2.03	14.52	-2.56	532.94	-565.54	328.11	-360.71	427.84
1	2	1040	7.34	-4.25	-2.02	5.11	4.57	396.24	-433.04	275.59	-312.39	-292.39
1	2	1041	46.17	8.99	20.13	35.04	17.03	523.88	12.17	350.87	185.18	242.07
1	2	1042	9.41	-5.48	-5.43	9.36	0.84	1280.47	-172.46	-132.45	1240.46	237.76
1	2	1043	6.85	-1.03	-1.00	6.82	-0.47	1707.45	-72.18	-42.61	1677.88	227.48
1	2	1044	6.64	-0.17	-0.17	6.64	-0.17	1862.79	-42.97	-28.50	1848.32	165.41
1	2	1045	6.23	-5.31e-02	-5.24e-02	6.23	-6.33e-02	1920.35	-28.32	-22.98	1915.00	101.93
1	2	1046	5.89	-3.69e-02	-3.68e-02	5.89	-1.91e-02	1936.35	-21.04	-20.19	1935.50	40.86
1	2	1047	5.78	-3.61e-02	-3.60e-02	5.78	1.39e-02	1937.84	-19.94	-19.76	1937.66	-18.76
1	2	1048	5.89	-5.04e-02	-4.98e-02	5.89	5.80e-02	1929.17	-24.96	-21.74	1925.95	-79.31
1	2	1049	6.07	-0.17	-0.16	6.07	0.16	1892.78	-37.26	-26.64	1828.16	-142.78
1	2	1050	5.99	-1.02	-0.99	5.96	0.49	1784.73	-64.61	-40.80	1760.93	-208.47
1	2	1051	7.05	-6.03	-6.03	7.05	0.17	1450.71	-168.02	-132.95	1415.64	-235.66
1	2	1052	37.95	11.65	23.76	25.85	-13.11	839.00	204.88	337.55	706.34	-257.93
1	2	1053	9.34	-15.79	-13.07	6.62	-7.80	-201.75	-437.64	-431.65	-207.73	-37.10
1	2	1054	11.95	-17.56	-15.88	10.27	6.84	-148.25	-480.16	-479.47	-148.94	15.08
1	2	1055	18.92	-18.30	18.92	-18.29	0.31	105.70	-1192.04	-752.02	-334.32	614.34
1	2	1056	12.55	-9.03	12.18	-8.66	2.83	189.25	-1211.47	-775.37	-246.85	-648.59
1	2	1057	11.95	-8.57	-6.09	9.47	-6.69	957.51	-1402.12	-810.00	365.39	1023.02
1	2	1058	9.70	0.24	0.24	9.70	-0.15	1593.91	-655.90	-425.58	1363.58	682.01
1	2	1059	8.13	1.18	1.32	7.99	0.99	1779.61	-179.84	-93.98	1693.75	401.08
1	2	1060	6.91	0.77	0.91	6.78	0.90	1857.83	64.62	101.30	1821.15	253.82
1	2	1061	6.10	0.71	0.77	6.03	0.58	1881.20	194.63	207.58	1868.25	147.20
1	2	1062	5.69	0.76	0.77	5.68	0.24	1883.10	255.00	257.11	1880.99	58.58
1	2	1063	5.67	0.81	0.81	5.67	-0.12	1882.46	265.53	265.87	1882.12	-23.39
1	2	1064	6.05	0.85	0.90	6.00	-0.50	1882.60	229.68	236.69	1875.59	-107.48
1	2	1065	6.85	1.00	1.14	6.70	-0.92	1871.56	135.50	159.65	1847.41	-203.32
1	2	1066	8.10	1.53	1.82	7.81	-1.36	1824.05	-50.27	9.20	1764.59	-328.51
1	2	1067	9.61	1.30	1.69	9.22	-1.75	1702.13	-422.64	-260.87	1540.36	-563.52
1	2	1068	8.71	-8.46	-1.12e-02	0.26	8.58	1243.79	-1147.42	-713.96	810.32	-921.20
1	2	1069	27.99	-32.15	17.75	-21.91	22.61	-677.80	-1632.42	-1630.64	-679.57	41.11
1	2	1070	48.30	-32.74	47.77	-32.21	6.57	1662.76	-3542.91	-3542.78	1662.63	-26.04
1	2	1079	13.91	-2.15	5.36	6.40	8.01	557.68	-399.32	158.89	-0.53	471.81
1	2	1080	-0.12	-12.21	-11.97	-0.36	1.67	928.63	-765.33	77.31	85.98	846.97
1	2	1081	-3.56	-7.18	-6.68	-4.06	-1.24	936.14	-747.27	101.76	87.11	-841.67
1	2	1082	4.75	0.32	0.84	4.23	-1.42	1224.31	-423.06	227.58	573.67	805.30
1	2	1083	7.89	-0.40	0.90	6.59	3.02	1577.00	-183.07	189.26	1204.66	718.82
1	2	1084	6.39	0.53	1.35	5.57	2.03	1700.88	91.72	258.94	1533.66	491.05
1	2	1085	5.55	0.80	1.30	5.05	1.46	1766.52	247.58	317.91	1696.20	319.18
1	2	1086	4.98	1.02	1.22	4.77	0.88	1788.97	331.28	355.08	1765.17	184.73
1	2	1087	4.66	1.18	1.21	4.63	0.33	1792.79	369.19	372.98	1789.00	73.34
1	2	1088	4.62	1.25	1.26	4.61	-0.20	1792.76	375.40	375.98	1792.18	-28.69
1	2	1089	4.85	1.22	1.38	4.69	-0.75	1791.55	352.05	364.67	1778.94	-134.18
1	2	1090	5.31	1.15	1.62	4.83	-1.32	1779.41	289.18	334.74	1733.85	-256.55
1	2	1091	5.75	1.10	1.87	4.97	-1.73	1735.28	161.99	278.13	1619.14	-411.38
1	2	1092	5.09	0.81	1.05	4.85	-0.99	1631.37	-86.00	185.94	1359.42	-626.96
1	2	1093	8.14	-2.95	-2.62	7.82	-1.87	1358.91	-363.82	193.74	801.34	-806.01
1	2	1094	13.17	-2.39	4.21	6.57	-7.69	561.01	-409.89	156.10	-4.98	-478.72
1	2	1095	-0.11	-6.84	-6.79	-0.15	0.55	1128.76	-141.93	1045.85	-59.02	313.81
1	2	1096	1.09	-4.53	-3.93	0.49	1.74	1458.78	-210.27	965.12	283.39	761.73
1	2	1097	1.46	-4.46	-3.72	0.72	-1.96	1444.32	-208.55	958.42	277.36	-753.02
1	2	1098	2.31	-2.62	-2.59	2.27	0.43	1437.77	32.92	856.61	614.07	691.88
1	2	1099	2.42	-1.02e-02	0.57	1.84	1.03	1512.35	258.00	703.47	1066.89	600.27
1	2	1100	3.70	0.55	1.76	2.49	1.53	1592.50	406.06	608.73	1389.82	446.52
1	2	1101	3.82	1.01	1.81	3.02	1.26	1651.17	471.56	554.27	1568.46	301.21
1	2	1102	3.62	1.41	1.75	3.28	0.80	1682.33	495.35	522.52	1655.16	177.50
1	2	1103	3.44	1.66	1.72	3.39	0.31	1694.16	501.98	506.21	1689.92	70.94
1	2	1104	3.39	1.75	1.76	3.38	-0.16	1695.69	502.43	503.09	1695.03	-28.04
1	2	1105	3.49	1.64	1.88	3.24	-0.62	1688.69	498.09	512.55	1674.24	-130.38
1	2	1106	3.58	1.39	2.03	2.94	-1.00	1666.29	481.08	535.04	1612.34	-247.06



1	2	1107	3.28	1.08	1.97	2.39	-1.08	1617.56	431.14	574.94	1473.77	-387.20
1	2	1108	2.50	0.23	0.53	2.21	-0.76	1538.16	314.42	650.49	1202.09	-546.19
1	2	1109	2.50	-2.45	-2.30	2.35	-0.85	1444.20	114.95	784.33	774.83	-664.61
1	2	1110	-0.53	-5.09	-4.98	-0.64	-0.71	1123.12	-143.04	1041.07	-60.99	-311.70
1	2	1111	-0.26	-8.02	-8.02	-0.26	-1.05e-02	1556.56	-80.94	1531.05	-55.43	202.76
1	2	1112	8.71e-02	-4.19	-4.15	5.02e-02	0.40	1612.57	140.48	1414.12	338.93	502.75
1	2	1113	0.35	-4.13	-3.99	0.22	-0.76	1602.93	135.61	1408.15	330.39	-497.86
1	2	1114	0.39	-2.44	-2.40	0.34	0.35	1499.61	393.51	1265.35	627.77	451.93
1	2	1115	0.86	-0.16	0.16	0.54	0.47	1427.05	631.19	1048.71	1009.53	397.45
1	2	1116	2.03	0.59	1.61	1.02	0.66	1459.24	707.90	873.42	1293.72	311.39
1	2	1117	2.51	1.19	2.05	1.65	0.63	1530.76	687.31	747.97	1470.10	217.92
1	2	1118	2.55	1.68	2.10	2.13	0.43	1583.41	648.33	667.11	1564.63	131.19
1	2	1119	2.47	2.00	2.08	2.38	0.19	1608.82	621.79	624.63	1605.98	52.88
1	2	1120	2.41	2.10	2.11	2.40	-5.94e-02	1612.62	616.58	617.04	1612.16	-21.32
1	2	1121	2.46	1.91	2.19	2.18	-0.27	1596.13	633.64	643.65	1586.11	-97.69
1	2	1122	2.43	1.50	2.19	1.74	-0.41	1553.81	667.73	706.79	1514.75	-181.89
1	2	1123	1.99	1.01	1.77	1.22	-0.41	1484.01	699.75	812.52	1371.24	-275.18
1	2	1124	1.09	0.24	0.45	0.89	-0.36	1422.24	672.26	968.57	1125.92	-366.64
1	2	1125	0.83	-1.83	-1.70	0.69	-0.58	1449.28	495.92	1171.74	773.46	-433.09
1	2	1126	-0.35	-7.13	-7.13	-0.35	-3.05e-02	1550.26	-80.21	1525.32	-55.27	-200.09
1	2	1127	-0.15	-8.14	-8.14	-0.15	-1.15e-02	1760.04	-56.52	1756.24	-52.73	82.98
1	2	1128	-0.19	-4.40	-4.40	-0.19	9.35e-02	1659.95	320.29	1627.40	352.84	206.28
1	2	1129	-9.02e-02	-4.28	-4.25	-0.11	-0.31	1654.27	314.41	1622.75	345.93	-203.08
1	2	1130	-0.23	-2.43	-2.42	-0.23	6.78e-02	1504.96	593.51	1465.85	632.62	184.70
1	2	1131	0.13	-5.88e-02	0.12	-5.06e-02	-3.82e-02	1309.97	902.77	1226.55	986.18	164.34
1	2	1132	1.55	0.42	1.54	0.43	-9.91e-02	1308.91	959.14	1021.19	1246.86	133.61
1	2	1133	2.10	1.05	2.09	1.06	-8.84e-02	1432.30	847.45	864.05	1415.70	97.12
1	2	1134	2.20	1.58	2.20	1.59	-5.09e-02	1515.66	753.51	758.28	1510.89	60.08
1	2	1135	2.18	1.89	2.18	1.89	-3.04e-03	1555.00	700.93	701.63	1554.29	24.53
1	2	1136	2.21	1.92	2.20	1.93	5.59e-02	1560.85	691.67	691.79	1560.73	-10.09
1	2	1137	2.27	1.67	2.24	1.70	0.13	1535.20	725.78	728.34	1532.64	-45.41
1	2	1138	2.22	1.22	2.18	1.26	0.20	1469.50	802.78	813.16	1459.13	-82.51
1	2	1139	1.79	0.69	1.74	0.74	0.23	1355.14	913.84	949.34	1319.64	-120.02
1	2	1140	0.62	0.26	0.58	0.29	0.11	1269.77	960.77	1136.74	1093.79	-153.00
1	2	1141	3.47e-02	-1.46	-1.44	1.34e-02	-0.18	1413.27	724.76	1364.69	773.33	-176.31
1	2	1142	-0.17	-7.78	-7.78	-0.17	-9.43e-03	1755.30	-56.09	1751.63	-52.42	-81.39
1	2	1143	-0.22	-8.36	-8.36	-0.22	6.33e-02	1783.84	-54.20	1783.00	-53.35	-39.44
1	2	1144	-0.24	-4.31	-4.30	-0.24	7.75e-02	1662.06	344.76	1654.68	352.13	-98.31
1	2	1145	-0.17	-4.19	-4.18	-0.18	-0.17	1658.50	338.84	1650.77	346.57	100.67
1	2	1146	-0.25	-2.19	-2.18	-0.26	-0.13	1502.56	624.42	1493.41	633.57	-89.18
1	2	1147	0.81	-0.46	0.39	-5.04e-02	-0.60	1274.52	966.73	1254.22	987.03	-76.39
1	2	1148	2.11	4.34e-02	1.62	0.54	-0.88	1259.18	1033.35	1048.24	1244.29	-56.04
1	2	1149	2.50	0.69	1.99	1.20	-0.82	1411.55	886.18	888.71	1409.03	-36.34
1	2	1150	2.43	1.30	2.02	1.70	-0.54	1502.25	779.00	779.59	1501.67	-20.49
1	2	1151	2.19	1.78	1.99	1.98	-0.20	1544.00	720.46	720.54	1543.92	-7.86
1	2	1152	2.16	1.85	1.99	2.03	0.15	1550.09	710.49	710.51	1550.08	3.26
1	2	1153	2.46	1.42	2.04	1.84	0.51	1522.83	748.99	749.27	1522.55	14.85
1	2	1154	2.61	0.89	2.05	1.45	0.81	1452.52	836.33	837.70	1451.15	29.05
1	2	1155	2.37	0.32	1.80	0.89	0.92	1322.55	970.32	976.87	1316.00	47.59
1	2	1156	1.37	-0.14	0.90	0.34	0.70	1207.74	1052.63	1165.21	1095.17	69.20
1	2	1157	4.31e-03	-1.10	-1.06	-4.39e-02	0.23	1404.90	764.20	1392.91	776.20	86.84
1	2	1158	-0.27	-8.22	-8.22	-0.27	-7.77e-02	1780.24	-54.18	1779.36	-53.30	40.20
1	2	1159	-0.64	-8.75	-8.75	-0.64	4.22e-02	1624.12	-75.65	1608.94	-60.47	-159.91
1	2	1160	-0.13	-3.87	-3.87	-0.13	-0.12	1613.53	214.04	1494.92	332.66	-389.78
1	2	1161	0.10	-3.66	-3.65	9.99e-02	0.11	1611.07	210.79	1491.34	330.52	391.56
1	2	1162	0.60	-1.63	-1.56	0.52	-0.39	1497.47	485.87	1350.49	632.85	-356.48
1	2	1163	2.24	-0.51	1.09	0.65	-1.36	1389.11	759.80	1135.57	1013.34	-308.67
1	2	1164	3.39	-0.18	1.72	1.49	-1.78	1407.42	834.28	957.50	1284.20	-235.45
1	2	1165	3.39	0.40	1.69	2.09	-1.48	1488.04	781.09	820.68	1448.45	-162.55
1	2	1166	3.04	0.98	1.60	2.42	-0.94	1548.36	714.74	726.22	1536.88	-97.15
1	2	1167	2.69	1.42	1.54	2.58	-0.37	1577.48	672.97	674.63	1575.82	-38.71
1	2	1168	2.65	1.49	1.53	2.61	0.21	1581.58	665.82	666.11	1581.28	16.40
1	2	1169	2.99	1.14	1.59	2.53	0.80	1562.19	694.51	700.65	1556.05	72.76
1	2	1170	3.38	0.63	1.72	2.29	1.35	1513.92	753.23	777.90	1489.25	134.77
1	2	1171	3.49	0.15	1.83	1.80	1.67	1436.14	818.87	897.12	1357.90	205.37
1	2	1172	2.81	-0.17	1.41	1.23	1.49	1378.45	810.49	1058.55	1130.39	281.70
1	2	1173	1.19	-0.79	-0.46	0.86	0.74	1439.38	605.38	1259.13	785.64	343.28
1	2	1174	-0.93	-8.71	-8.71	-0.93	-3.51e-02	1621.06	-77.50	1605.73	-62.17	160.63
1	2	1175	1.06	-7.25	-5.81	-0.38	-3.14	1202.82	-150.01	1138.66	-85.85	-287.56
1	2	1176	1.60	-6.33	-6.25	1.52	0.78	1383.35	-48.58	1075.56	259.20	-588.22
1	2	1177	1.74	-4.43	-4.38	1.69	-0.57	1393.69	-39.85	1085.83	268.01	588.69
1	2	1178	2.12	0.86	1.48	1.50	-0.63	1444.25	211.22	1038.68	616.80	-579.31
1	2	1179	5.66	-0.27	1.73	3.66	-2.80	1494.98	456.82	872.26	1079.53	-508.63
1	2	1180	5.31	-0.18	1.48	3.65	-2.52	1548.93	574.56	759.02	1364.47	-381.72
1	2	1181	4.58	0.16	1.12	3.61	-1.83	1602.65	593.22	668.16	1527.71	-264.64
1	2	1182	3.92	0.57	0.98	3.51	-1.10	1634.60	577.69	602.30	1609.99	-159.39



1	2	1183	3.52	0.87	0.94	3.44	-0.43	1647.79	561.35	565.10	1644.04	-63.71
1	2	1184	3.47	0.92	0.94	3.45	0.21	1649.21	558.53	559.23	1648.51	27.58
1	2	1185	3.82	0.70	0.97	3.55	0.88	1640.34	571.45	585.22	1626.57	120.52
1	2	1186	4.46	0.35	1.14	3.68	1.61	1615.97	591.20	641.16	1566.01	220.69
1	2	1187	5.18	0.11	1.58	3.71	2.30	1570.17	592.57	722.40	1440.34	331.76
1	2	1188	4.87	0.49	1.97	3.39	2.07	1511.17	517.53	820.62	1208.08	457.49
1	2	1189	5.66	-9.16e-02	1.01	4.56	2.27	1469.60	315.87	969.97	815.50	571.67
1	2	1190	0.51	-8.02	-6.56	-0.95	3.21	1188.72	-162.18	1124.29	-97.75	287.90
1	2	1191	7.18	-5.86	-0.78	2.10	6.36	261.67	-261.36	146.79	-146.47	-216.54
1	2	1192	9.45	-9.76	4.31	-4.63	8.50	936.81	-328.39	550.40	58.02	-582.73
1	2	1193	8.51	-9.92	-2.37	0.96	-9.07	912.47	-352.23	510.81	49.43	588.76
1	2	1194	9.28	-3.95	-2.46	7.79	4.18	1286.56	-337.29	416.35	532.92	-809.83
1	2	1195	8.04	1.52	2.94	6.61	-2.69	1563.81	90.55	487.48	1166.87	-653.63
1	2	1196	6.85	0.18	1.09	5.94	-2.29	1663.00	289.43	479.47	1472.96	-474.26
1	2	1197	5.61	-2.08e-02	0.43	5.16	-1.53	1720.47	363.41	449.82	1634.05	-331.37
1	2	1198	4.72	0.19	0.37	4.53	-0.90	1739.97	387.47	418.21	1709.23	-201.56
1	2	1199	4.26	0.36	0.39	4.22	-0.37	1742.82	392.81	397.67	1737.96	-80.81
1	2	1200	4.20	0.38	0.39	4.20	0.14	1742.36	393.67	394.63	1741.40	35.89
1	2	1201	4.56	0.26	0.36	4.46	0.66	1740.92	392.46	410.36	1723.01	154.34
1	2	1202	5.38	8.29e-02	0.42	5.04	1.30	1729.55	380.70	441.48	1668.77	279.80
1	2	1203	6.69	0.26	1.11	5.85	2.18	1690.43	336.34	479.36	1547.41	416.18
1	2	1204	8.58	1.23	3.19	6.62	3.25	1617.88	204.85	507.46	1315.27	579.68
1	2	1205	6.95	-3.95	0.85	2.16	-5.41	1378.77	-184.01	417.03	777.73	760.29
1	2	1206	8.63	0.49	3.97	5.16	-4.03	267.65	-233.09	120.14	-85.58	228.27
1	2	1207	4.12	-41.07	-30.64	-6.31	19.04	416.77	-651.87	-626.53	391.42	162.61
1	2	1208	2.78	-3.51	2.36	-3.09	1.57	-647.12	-1780.37	-1302.89	-1124.61	-559.57
1	2	1209	1.48	-1.83	1.40	-1.75	-0.51	-614.49	-1747.81	-1288.37	-1073.93	556.42
1	2	1210	16.97	-13.36	16.30	-12.69	4.45	854.33	-641.05	-405.51	618.79	-544.74
1	2	1211	9.79	6.03	7.48	8.34	-1.83	1543.07	-145.48	121.94	1275.65	-616.47
1	2	1212	7.56	0.28	0.44	7.40	-1.08	1766.12	0.83	177.45	1589.50	-529.70
1	2	1213	5.91	-8.70e-02	-1.75e-02	5.84	-0.64	1844.12	97.36	186.36	1755.12	-384.11
1	2	1214	5.04	-1.37e-02	2.29e-02	5.01	-0.43	1859.12	146.74	180.12	1825.74	-236.74
1	2	1215	4.62	4.83e-02	5.71e-02	4.61	-0.20	1855.36	168.18	173.57	1849.98	-95.13
1	2	1216	4.54	5.59e-02	5.63e-02	4.54	4.10e-02	1853.78	171.56	172.67	1852.67	43.16
1	2	1217	4.82	6.02e-03	2.05e-02	4.80	0.26	1857.82	158.48	178.51	1837.79	183.41
1	2	1218	5.53	-6.71e-02	-2.90e-02	5.49	0.46	1854.20	122.89	188.20	1788.88	329.87
1	2	1219	7.05	0.23	0.34	6.94	0.85	1809.69	51.67	194.31	1667.05	480.02
1	2	1220	9.65	5.47	6.66	8.46	1.89	1671.28	-49.31	189.11	1432.86	594.46
1	2	1221	16.26	-5.29	15.02	-4.05	-5.01	1205.34	-350.82	-67.67	922.19	600.37
1	2	1222	4.62	-38.61	-27.96	-6.03	-18.63	415.19	-663.62	-634.82	386.39	-173.90
1	2	1223	10.34	-15.49	-14.00	8.85	-6.01	-147.60	-440.85	-439.54	-148.91	-19.55
1	2	1224	12.96	-2.25	-1.89	12.59	2.32	487.63	-500.95	315.96	-329.28	-374.49
1	2	1225	6.33	-4.09	-1.92	4.16	-4.23	361.58	-389.16	265.27	-292.85	251.05
1	2	1226	40.65	8.15	18.01	30.79	-14.94	463.82	22.29	305.04	181.07	-211.89
1	2	1227	8.31	-4.87	-4.83	8.27	-0.73	1242.32	-155.03	-121.22	1208.51	-214.71
1	2	1228	5.79	-0.91	-0.89	5.77	0.42	1665.84	-64.40	-39.77	1641.21	-204.97
1	2	1229	5.40	-0.15	-0.15	5.39	0.15	1827.06	-38.21	-26.35	1815.20	-148.27
1	2	1230	4.89	-4.81e-02	-4.74e-02	4.88	5.71e-02	1889.64	-25.16	-20.84	1885.32	-90.91
1	2	1231	4.51	-3.34e-02	-3.33e-02	4.51	1.78e-02	1908.62	-18.71	-18.02	1907.94	-36.35
1	2	1232	4.40	-3.26e-02	-3.25e-02	4.40	-1.21e-02	1910.53	-17.73	-17.59	1910.39	16.62
1	2	1233	4.56	-4.56e-02	-4.50e-02	4.56	-5.18e-02	1899.65	-22.17	-19.58	1897.06	70.56
1	2	1234	4.84	-0.15	-0.15	4.83	-0.14	1858.76	-33.10	-24.44	1850.10	127.65
1	2	1235	4.94	-0.92	-0.88	4.91	-0.44	1744.91	-57.61	-37.91	1725.20	187.43
1	2	1236	6.11	-5.44	-5.44	6.11	-0.18	1413.38	-151.82	-122.41	1383.97	212.50
1	2	1237	33.93	10.50	21.50	22.93	11.69	790.87	187.80	297.66	681.00	232.78
1	2	1238	8.04	-13.95	-11.52	5.61	6.90	-193.18	-404.62	-396.96	-200.84	39.50
1	32	1	4.07	-6.76	1.87	-4.56	-4.36	-310.54	-1231.57	-869.56	-672.55	449.86
1	32	3	1.47	-0.72	0.82	-7.01e-02	-1.00	-472.64	-1247.57	-856.57	-863.64	-387.44
1	32	9	0.53	-11.29	-1.68	-9.07	-4.61	-780.29	-1556.63	-1553.66	-783.25	-47.90
1	32	11	3.85	-6.68	-4.08	1.25	-4.54	-1584.49	-3012.16	-3009.16	-1587.49	65.38
1	32	12	7.53	-10.54	5.89	-8.91	-5.19	-1488.63	-2986.21	-2986.21	-1488.64	-0.94
1	32	13	5.37	-3.11	4.31	-2.05	2.80	-1615.21	-2831.67	-2819.04	-1627.84	-123.30
1	32	15	5.47	-3.62	4.36	-2.50	2.99	-1636.53	-2838.54	-2838.08	-1636.99	23.52
1	32	17	2.08	-4.33	-2.81	0.55	2.73	-867.25	-1472.06	-1458.51	-880.81	89.54
1	32	21	1.71	-18.78	0.18	-17.25	5.38	-1378.39	-3280.24	-3270.50	-1388.14	-135.79
1	32	22	2.41	-23.88	0.86	-22.33	6.21	-1748.70	-4329.89	-4325.94	-1752.66	-101.01
1	32	23	7.74	-11.30	5.67	-9.22	-5.93	-1431.90	-2988.86	-2971.08	-1449.68	165.42
1	32	24	2.78	-0.30	6.20e-03	2.47	0.93	1020.53	-15.29	-6.39	1011.63	95.57
1	32	25	4.23	-6.55	4.14	-6.47	-0.97	-1348.88	-2580.66	-2557.17	-1372.37	168.47
1	32	27	5.17	-2.67	5.17	-2.67	-0.11	-1439.02	-2496.68	-2475.32	-1460.38	-148.79
1	32	29	9.18	-10.30	1.37	-2.49	-9.55	902.01	-314.67	466.19	121.15	583.36
1	32	30	14.45	0.40	3.39	11.45	-5.75	1170.42	-219.10	406.65	544.67	691.32
1	32	31	15.14	-18.38	14.21	-17.45	-5.50	939.21	-403.99	-174.01	709.24	505.98
1	32	32	7.40	2.99	3.66	6.73	1.59	1282.38	68.45	410.83	940.00	546.26
1	32	33	7.02	2.73	6.10	3.64	1.76	1283.37	-114.69	137.79	1030.88	537.81
1	32	34	5.81	0.33	1.11	5.03	1.91	1270.93	203.85	387.23	1087.55	402.56



1	32	35	6.02	0.30	0.46	5.86	0.94	1361.00	-1.08	159.07	1200.86	438.73
1	32	36	4.61	-0.16	0.26	4.18	1.36	1245.30	267.35	354.01	1158.65	277.91
1	32	37	4.68	-9.31e-02	-3.63e-02	4.62	0.52	1351.76	72.35	155.67	1268.44	315.68
1	32	38	3.67	-8.91e-02	0.14	3.44	0.90	1205.84	292.85	325.02	1173.67	168.34
1	32	39	3.75	-9.23e-02	-5.08e-02	3.71	0.40	1307.01	114.66	145.79	1275.87	190.15
1	32	40	3.04	1.05e-02	0.12	2.94	0.56	1162.14	299.45	304.82	1156.77	67.87
1	32	41	3.19	-5.45e-02	-2.96e-02	3.16	0.28	1258.07	132.42	137.50	1252.99	75.46
1	32	42	2.69	7.81e-02	0.10	2.66	0.26	1124.04	295.31	296.48	1122.87	-31.13
1	32	43	2.86	-3.74e-02	-2.82e-02	2.85	0.16	1216.85	131.69	132.99	1215.55	-37.51
1	32	44	2.58	6.81e-02	6.89e-02	2.58	-4.51e-02	1093.92	279.95	299.93	1073.93	-125.97
1	32	45	2.72	-5.06e-02	-4.96e-02	2.72	5.37e-02	1185.87	112.36	132.79	1165.45	-146.65
1	32	46	2.76	2.45e-02	8.60e-02	2.70	-0.41	1065.18	247.72	312.42	1000.48	-220.70
1	32	47	2.80	-8.56e-02	-8.45e-02	2.80	-5.51e-02	1152.29	71.64	133.80	1090.13	-251.62
1	32	48	3.36	0.15	0.44	3.07	-0.92	1026.46	183.15	327.41	882.19	-317.56
1	32	49	3.29	5.67e-02	7.25e-02	3.28	-0.23	1090.74	-4.57	129.28	956.90	-358.73
1	32	50	4.32	-0.63	1.02	2.66	-2.33	961.97	38.94	330.27	670.64	-428.99
1	32	51	6.19	3.82	3.97	6.04	-0.58	972.45	-97.09	116.70	758.66	-427.72
1	32	52	1.41	-4.09	-1.42	-1.25	2.75	806.21	-229.49	266.89	309.83	-517.41
1	32	53	8.10	0.12	5.03	3.19	3.88	557.23	-385.80	-124.79	296.23	-421.92
1	32	54	5.45	-4.56	-2.58	3.47	3.99	580.74	-219.78	398.00	-37.03	-336.00
1	32	55	1.62	-4.35	-4.35	1.62	-3.11e-02	1144.66	-116.13	799.30	229.24	562.27
1	32	56	1.92	0.18	0.79	1.31	0.83	1192.65	79.91	770.04	502.51	540.05
1	32	57	5.05	0.54	2.14	3.46	2.16	1196.02	292.02	666.77	821.27	445.35
1	32	58	4.61	-9.29e-02	1.38	3.13	2.18	1178.02	393.66	581.73	989.95	334.88
1	32	59	3.87	-0.18	0.79	2.90	1.73	1148.44	426.44	511.28	1063.59	232.50
1	32	60	3.17	-1.77e-02	0.53	2.62	1.20	1114.23	428.70	458.75	1084.18	140.34
1	32	61	2.61	0.19	0.44	2.36	0.74	1077.84	421.97	426.99	1072.83	57.13
1	32	62	2.25	0.34	0.40	2.19	0.32	1042.50	414.99	415.85	1041.63	-23.31
1	32	63	2.12	0.36	0.37	2.12	-0.12	1011.73	407.07	425.41	993.40	-103.68
1	32	64	2.31	0.24	0.42	2.14	-0.58	984.60	389.95	453.80	920.76	-184.09
1	32	65	2.70	7.64e-02	0.62	2.15	-1.07	959.20	346.88	498.99	807.09	-264.58
1	32	66	2.60	0.13	0.90	1.83	-1.14	941.76	256.77	557.74	640.79	-339.97
1	32	67	3.95	1.71	2.47	3.19	-1.06	951.56	137.86	675.44	413.99	-385.27
1	32	68	1.12	-2.63	-2.23	0.71	1.16	893.33	-77.65	714.14	101.54	-376.68
1	32	69	4.44e-03	-2.54	-2.53	1.25e-03	9.00e-02	1257.99	88.76	1093.06	253.69	406.99
1	32	70	0.64	-0.80	-0.71	0.54	0.36	1184.95	283.01	987.38	480.58	373.04
1	32	71	2.22	-0.35	1.29	0.58	1.23	1104.21	472.17	838.21	738.16	312.03
1	32	72	3.05	-0.37	1.51	1.17	1.70	1065.61	554.47	715.22	904.86	237.33
1	32	73	2.94	-0.21	1.22	1.51	1.57	1049.76	553.89	617.64	986.01	165.98
1	32	74	2.56	7.64e-02	1.00	1.63	1.20	1032.83	526.99	547.47	1012.35	99.71
1	32	75	2.12	0.36	0.85	1.63	0.78	1008.68	502.30	505.69	1005.29	41.29
1	32	76	1.72	0.61	0.74	1.59	0.36	976.77	492.65	493.05	976.37	-13.99
1	32	77	1.52	0.68	0.69	1.51	-7.20e-02	940.32	496.96	508.87	928.41	-171.68
1	32	78	1.63	0.45	0.69	1.39	-0.47	903.33	506.58	552.85	857.06	-127.35
1	32	79	1.74	0.17	0.78	1.13	-0.77	880.34	497.45	624.75	753.03	-180.38
1	32	80	1.55	5.41e-02	0.80	0.80	-0.75	899.65	428.62	722.39	605.88	-228.20
1	32	81	0.75	0.13	0.41	0.48	-0.31	960.36	286.64	839.33	407.67	-258.63
1	32	82	6.69e-02	-0.94	-0.91	3.75e-02	0.17	1058.43	66.39	964.15	160.67	-290.94
1	32	83	-0.24	-2.88	-2.87	-0.25	-0.16	1256.38	216.93	1216.60	256.71	199.42
1	32	84	-0.34	-1.41	-1.40	-0.35	7.53e-02	1145.54	411.68	1097.27	459.94	181.91
1	32	85	0.82	-0.63	0.40	-0.21	0.66	1002.02	614.29	923.94	692.36	155.49
1	32	86	2.04	-0.53	1.38	0.14	1.13	940.86	691.80	783.38	849.29	120.09
1	32	87	2.26	-0.28	1.44	0.54	1.19	957.62	644.56	668.28	933.89	82.85
1	32	88	2.13	4.45e-02	1.35	0.83	1.01	971.89	581.17	587.61	965.45	49.76
1	32	89	1.84	0.35	1.20	0.99	0.74	962.91	538.49	539.59	961.82	21.50
1	32	90	1.46	0.64	1.06	1.04	0.41	934.29	526.97	527.01	934.25	-4.03
1	32	91	1.04	0.88	0.94	0.98	8.07e-02	889.21	544.46	546.99	886.68	-29.43
1	32	92	1.03	0.62	0.83	0.82	-0.20	830.12	588.02	601.03	817.11	-54.60
1	32	93	1.01	0.28	0.74	0.55	-0.35	783.47	622.67	686.74	719.40	-78.73
1	32	94	0.87	5.24e-02	0.69	0.23	-0.34	843.24	544.34	802.28	585.30	-102.79
1	32	95	0.11	-9.92e-02	-5.01e-04	1.39e-02	-0.11	954.29	383.99	929.50	408.77	-116.28
1	32	96	-5.24e-02	-1.47	-1.45	-7.59e-02	0.18	1081.83	156.71	1062.80	175.74	-131.33
1	32	97	-0.25	-3.10	-3.10	-0.26	-0.14	1227.05	254.52	1227.03	254.54	-4.08
1	32	98	-0.46	-1.81	-1.81	-0.46	-6.77e-02	1105.97	451.21	1105.97	451.22	-1.59
1	32	99	-0.13	-0.64	-0.31	-0.46	0.24	923.77	674.49	923.62	674.64	-6.09
1	32	100	1.54	-0.48	1.29	-0.23	0.66	828.85	782.65	783.75	827.75	-7.05
1	32	101	1.94	-0.30	1.53	0.10	0.86	914.83	661.78	661.87	914.74	-4.74
1	32	102	1.98	-3.51e-03	1.56	0.42	0.81	949.92	578.52	578.54	949.90	-2.71
1	32	103	1.81	0.24	1.42	0.63	0.68	948.06	528.72	528.73	948.06	-0.23
1	32	104	1.56	0.41	1.26	0.71	0.51	920.70	516.64	516.74	920.60	6.30
1	32	105	1.25	0.50	1.08	0.67	0.32	872.81	536.82	537.41	872.22	14.05
1	32	106	0.93	0.45	0.87	0.51	0.16	804.44	591.93	594.43	801.95	22.88
1	32	107	0.55	0.27	0.54	0.28	-2.40e-02	722.30	664.57	682.05	704.83	26.52
1	32	108	0.84	-2.43e-03	0.78	6.01e-02	-0.22	813.64	570.87	809.97	574.53	29.61
1	32	109	1.18e-02	-0.32	-0.25	-5.91e-02	-0.14	938.22	403.02	935.48	405.76	38.19
1	32	110	-5.92e-02	-1.57	-1.57	-6.21e-02	6.67e-02	1073.40	175.84	1071.03	178.21	46.05



1	32	111	-0.20	-3.14	-3.13	-0.21	-0.16	1209.46	185.14	1141.14	253.46	-255.57
1	32	112	-0.33	-2.04	-2.00	-0.38	-0.27	1104.47	368.29	1021.42	451.34	-232.90
1	32	113	-0.16	-0.77	-0.58	-0.36	-0.29	974.65	548.37	843.46	679.55	-196.75
1	32	114	0.78	-0.20	0.76	-0.18	-0.13	939.92	602.42	702.94	839.40	-154.34
1	32	115	1.59	0.11	1.59	0.11	-3.43e-02	962.20	567.31	598.14	931.36	-105.96
1	32	116	1.65	0.41	1.64	0.41	-5.58e-02	977.77	511.96	521.32	968.40	-65.38
1	32	117	1.51	0.61	1.51	0.61	-7.48e-02	967.35	473.36	474.72	965.99	-25.93
1	32	118	1.32	0.69	1.31	0.70	-9.33e-02	937.27	463.65	463.99	936.94	12.65
1	32	119	1.12	0.62	1.09	0.65	-0.11	892.53	474.81	481.16	886.17	51.12
1	32	120	0.85	0.44	0.82	0.48	-0.12	838.64	506.79	533.12	812.31	89.69
1	32	121	0.92	0.20	0.85	0.27	-0.21	795.87	538.35	624.41	709.81	121.47
1	32	122	0.83	-5.54e-02	0.68	8.83e-02	-0.33	818.19	496.79	741.82	573.15	136.79
1	32	123	0.11	-0.45	-0.33	-8.32e-03	-0.23	907.81	356.70	864.36	400.14	148.52
1	32	124	-3.88e-02	-1.59	-1.59	-4.05e-02	-5.16e-02	1030.61	137.85	995.09	173.38	174.52
1	32	125	-2.97e-02	-3.18	-3.13	-7.09e-02	-0.36	1177.97	17.04	943.28	251.73	-466.24
1	32	126	9.09e-02	-2.27	-2.10	-7.58e-02	-0.60	1108.45	181.60	832.16	457.90	-423.96
1	32	127	0.53	-1.21	-0.71	3.37e-02	-0.78	1054.41	323.73	671.91	706.23	-364.94
1	32	128	1.12	-0.76	0.14	0.22	-0.93	1046.97	382.64	544.50	885.11	-285.19
1	32	129	2.26	-0.11	1.64	0.51	-1.04	1051.91	411.37	478.91	984.36	-196.73
1	32	130	2.31	9.52e-02	1.61	0.80	-1.03	1041.82	397.97	419.95	1019.84	-116.91
1	32	131	2.17	0.27	1.43	1.01	-0.93	1017.01	380.51	383.73	1013.79	-45.15
1	32	132	1.90	0.35	1.21	1.04	-0.77	981.51	373.97	374.66	980.82	20.41
1	32	133	1.58	0.35	0.99	0.95	-0.62	939.60	370.69	383.26	927.03	83.62
1	32	134	1.20	0.24	0.71	0.73	-0.48	893.10	374.08	419.13	848.06	146.12
1	32	135	1.26	0.28	1.05	0.49	-0.40	854.11	378.97	497.95	735.13	205.85
1	32	136	0.86	0.10	0.66	0.30	-0.33	843.56	333.50	596.11	580.95	254.92
1	32	137	0.24	-0.37	-0.28	0.15	-0.22	875.04	222.80	708.23	389.60	284.56
1	32	138	5.33e-03	-1.45	-1.45	-9.12e-04	-9.52e-02	962.98	20.75	824.70	159.03	333.43
1	32	139	0.58	-3.31	-3.03	0.30	-1.01	1107.16	-267.54	598.99	240.63	-663.59
1	32	140	1.14	-2.52	-2.14	0.76	-1.12	1093.55	-114.29	513.61	465.66	-603.44
1	32	141	1.55	-1.32	-0.73	0.95	-1.17	1119.91	39.49	398.85	760.56	-509.04
1	32	142	2.13	-0.84	0.18	1.11	-1.41	1145.95	149.31	322.78	972.48	-377.89
1	32	143	3.10	-4.09e-03	1.67	1.43	-1.55	1148.07	233.82	307.45	1074.44	-248.78
1	32	144	2.97	0.13	1.43	1.68	-1.41	1123.10	260.45	284.39	1099.16	-141.68
1	32	145	2.63	0.31	1.17	1.78	-1.12	1086.31	265.88	269.26	1082.93	-52.56
1	32	146	2.21	0.45	0.93	1.73	-0.78	1046.13	259.94	260.91	1045.15	27.71
1	32	147	1.76	0.53	0.75	1.54	-0.47	1004.62	239.26	254.74	989.14	107.73
1	32	148	1.27	0.48	0.54	1.21	-0.22	959.64	206.15	259.48	906.31	193.23
1	32	149	1.42	0.80	1.39	0.82	-0.13	911.68	172.68	303.74	780.63	282.27
1	32	150	0.81	0.47	0.72	0.56	-0.16	856.47	93.66	353.81	596.33	361.62
1	32	151	0.46	-0.23	-0.22	0.44	-9.47e-02	810.61	-7.37	437.21	366.02	407.44
1	32	152	5.90e-02	-0.97	-0.97	5.68e-02	4.70e-02	837.30	-180.73	533.03	123.53	466.02
1	32	153	2.48	-4.42	-3.00	1.06	-2.80	929.98	-686.77	56.68	186.52	-805.76
1	32	154	3.69	-2.80	-2.42	3.31	-1.52	1028.26	-525.83	26.39	476.04	-743.81
1	32	155	2.85	-1.16	-0.58	2.27	-1.41	1169.77	-305.83	2.94	861.00	-600.24
1	32	156	3.97	-0.20	1.26	2.51	-1.99	1243.49	-88.38	46.51	1108.60	-401.82
1	32	157	4.21	-0.37	0.99	2.86	-2.09	1241.07	43.51	96.69	1187.89	-246.70
1	32	158	3.89	-0.18	0.72	2.98	-1.69	1205.80	114.46	131.66	1188.59	-135.95
1	32	159	3.39	8.37e-02	0.59	2.88	-1.20	1161.35	144.87	147.23	1158.99	-48.98
1	32	160	2.90	0.33	0.55	2.68	-0.72	1117.60	142.19	143.02	1116.77	28.49
1	32	161	2.48	0.58	0.62	2.44	-0.27	1075.38	109.25	121.46	1063.17	107.91
1	32	162	2.14	0.77	0.78	2.13	0.13	1026.95	41.47	83.85	984.57	199.92
1	32	163	1.57	0.68	0.80	1.44	0.31	957.42	-73.87	31.31	852.24	312.09
1	32	164	1.24	0.70	0.75	1.20	0.15	851.27	-221.90	-1.76	631.14	433.34
1	32	165	1.21	-0.47	-0.45	1.20	0.15	682.25	-370.65	-1.93	313.53	502.27
1	32	166	0.35	-0.66	-0.32	1.43e-02	0.48	596.51	-510.98	50.17	35.36	553.69
1	32	167	3.43	-8.86	-4.57	-0.86	-5.86	447.57	-1398.75	-950.82	-0.36	-791.44
1	32	168	7.17	-5.09	-4.64	6.72	-2.31	796.27	-1112.36	-719.70	403.60	-771.54
1	32	169	5.33	1.27	1.51	5.09	-0.96	1239.36	-662.67	-497.64	1074.33	-535.41
1	32	170	6.91	-0.37	1.27	5.28	-3.04	1333.54	-300.41	-243.39	1276.53	-299.85
1	32	171	6.12	-0.51	0.44	5.17	-2.32	1315.49	-102.38	-80.09	1293.21	-176.36
1	32	172	5.12	-0.51	-8.34e-03	4.61	-1.60	1272.87	-1.05	6.15	1265.68	-95.47
1	32	173	4.33	-0.24	1.27e-02	4.07	-1.05	1224.29	46.02	46.98	1223.33	-33.68
1	32	174	3.78	-5.21e-02	4.00e-02	3.69	-0.59	1178.16	44.46	44.84	1177.78	20.61
1	32	175	3.48	0.20	0.21	3.47	-0.13	1134.84	0.37	5.76	1129.45	78.00
1	32	176	3.45	0.45	0.51	3.39	0.42	1083.06	-97.29	-78.41	1064.18	148.08
1	32	177	3.78	0.31	0.67	3.42	1.06	995.64	-283.78	-235.25	947.12	244.41
1	32	178	1.14	-0.52	-0.52	1.14	4.52e-02	824.35	-600.86	-488.72	712.21	383.72
1	32	179	3.76	-1.06	-0.83	3.53	1.02	869.52	-321.53	-305.82	853.81	135.86
1	32	180	27.34	-11.02	22.73	-6.41	12.47	-862.47	-2503.79	-2381.11	-985.15	-431.64
1	32	181	20.72	-6.39	13.08	1.25	12.20	1067.92	-1755.24	-1572.98	885.67	-693.77
1	32	182	13.37	-1.67	2.84	8.87	-6.89	1385.49	-832.99	-805.24	1357.75	-246.54
1	32	183	10.35	-2.54	-1.72	9.53	-3.14	1364.18	-422.36	-417.29	1359.11	-95.01
1	32	184	7.85	-1.16	-0.90	7.59	-1.52	1350.21	-183.03	-181.24	1348.42	-52.40
1	32	185	6.04	-0.80	-0.66	5.90	-0.97	1306.85	-58.82	-58.23	1306.26	-28.37
1	32	186	4.99	-0.52	-0.44	4.90	-0.68	1256.61	-4.70	-4.62	1256.53	-9.75



1	32	187	4.41	-0.37	-0.32	4.36	-0.48	1209.58	-5.79	-5.76	1209.54	6.40
1	32	188	4.23	-0.10	-8.79e-02	4.22	-0.26	1165.55	-53.65	-53.17	1165.07	24.22
1	32	189	4.49	-0.23	-0.22	4.49	0.14	1110.90	-170.20	-168.52	1109.22	46.36
1	32	190	5.52	-0.17	-1.36e-02	5.37	0.92	1020.94	-365.74	-360.82	1016.02	82.45
1	32	191	9.40	-4.69	-0.14	4.85	6.59	798.40	-791.51	-762.91	769.81	211.31
1	32	192	0.64	-12.74	0.30	-12.40	2.08	362.95	-1515.61	-1425.45	272.80	401.53
1	32	193	9.90	2.71	9.66	2.95	-1.29	-1121.26	-2078.00	-2063.43	-1135.83	-117.17
1	32	194	73.30	-41.77	73.30	-41.77	5.47e-02	1536.34	-1263.88	-1255.83	1528.30	149.90
1	32	195	21.86	-0.92	-0.79	21.73	-1.74	1533.95	-765.26	-765.25	1533.93	5.23
1	32	196	11.83	1.26	1.27	11.81	-0.43	1383.44	-355.56	-355.48	1383.37	11.49
1	32	197	7.72	-0.80	-0.80	7.71	-0.26	1348.74	-175.88	-175.82	1348.67	9.72
1	32	198	6.08	-0.75	-0.74	6.08	-0.24	1309.40	-57.77	-57.77	1309.40	1.36
1	32	199	5.03	-0.52	-0.51	5.02	-0.23	1258.68	-6.39	-6.39	1258.68	0.46
1	32	200	4.46	-0.39	-0.38	4.45	-0.20	1211.59	-8.59	-8.59	1211.59	-0.39
1	32	201	4.28	-0.17	-0.16	4.28	-0.12	1166.78	-57.04	-57.04	1166.78	-0.80
1	32	202	4.62	8.97e-02	9.18e-02	4.62	-9.76e-02	1113.47	-166.32	-166.31	1113.46	3.45
1	32	203	5.43	0.48	0.49	5.43	-0.20	1014.55	-368.30	-368.28	1014.52	-6.02
1	32	204	17.32	1.65	1.78	17.20	1.40	952.62	-715.07	-715.06	952.61	3.48
1	32	205	27.11	18.74	26.47	19.38	2.22	283.17	-1196.27	-1193.72	280.62	-61.31
1	32	206	3.87	-7.59	-5.21	1.49	-4.65	-2040.70	-3931.84	-3931.76	-2040.77	12.01
1	32	207	21.23	-13.03	20.11	-11.92	-6.08	-451.23	-1775.92	-1595.15	-632.00	454.74
1	32	208	25.54	0.44	16.01	9.97	-12.18	993.97	-1524.56	-1260.80	730.21	771.18
1	32	209	15.04	-0.39	2.94	11.72	6.34	1391.12	-753.23	-699.14	1337.03	336.25
1	32	210	11.00	-2.02	-1.61	10.59	2.27	1362.22	-384.48	-371.62	1349.37	149.31
1	32	211	8.06	-1.21	-1.08	7.93	1.08	1344.13	-169.42	-164.49	1339.20	86.29
1	32	212	6.13	-0.80	-0.74	6.07	0.64	1302.11	-51.24	-49.61	1300.48	46.95
1	32	213	5.03	-0.52	-0.50	5.01	0.35	1252.35	-0.23	3.19e-02	1252.09	18.03
1	32	214	4.44	-0.37	-0.37	4.43	0.14	1205.42	-1.77	-1.72	1205.37	-7.50
1	32	215	4.30	-0.12	-0.12	4.30	-6.01e-02	1160.99	-47.63	-46.68	1160.04	-33.78
1	32	216	4.64	-4.38e-03	3.35e-02	4.60	-0.42	1106.68	-152.52	-148.84	1103.00	-68.02
1	32	217	5.84	-0.11	0.14	5.60	-1.17	1016.85	-342.32	-330.98	1005.52	-123.62
1	32	218	9.84	-5.34	-0.63	5.13	-7.02	800.64	-737.89	-686.86	749.62	-275.50
1	32	219	2.86	-10.08	2.82	-10.04	0.72	413.19	-1381.97	-1233.78	265.00	-494.03
1	32	220	10.07	-0.32	8.58	1.17	-3.64	-775.42	-1399.76	-1398.67	-776.51	26.04
1	32	221	-0.45	-8.86	-7.38	-1.93	3.20	557.98	-1184.65	-683.67	57.00	788.69
1	32	222	4.70	-0.75	-0.67	4.61	0.66	890.58	-862.79	-461.99	489.78	736.29
1	32	223	7.75	1.09	2.52	6.33	2.73	1250.19	-524.26	-339.43	1065.36	542.04
1	32	224	7.97	-0.33	1.36	6.28	3.34	1319.43	-226.92	-158.65	1251.16	317.65
1	32	225	6.55	-0.75	1.25e-02	5.79	2.23	1298.67	-73.06	-46.69	1272.30	188.36
1	32	226	5.33	-0.46	-0.10	4.97	1.40	1258.92	16.90	25.53	1250.29	103.17
1	32	227	4.44	-0.22	-7.94e-02	4.30	0.80	1212.25	55.64	56.82	1211.06	37.01
1	32	228	3.87	-7.07e-02	-5.10e-02	3.85	0.28	1166.66	52.60	53.04	1166.22	-21.92
1	32	229	3.64	0.11	0.12	3.62	-0.26	1122.70	13.35	19.59	1116.46	-82.97
1	32	230	3.80	0.20	0.43	3.57	-0.87	1069.68	-72.41	-50.06	1047.33	-158.21
1	32	231	4.33	-0.17	0.55	3.60	-1.65	982.67	-236.43	-179.19	925.43	-257.88
1	32	232	2.42	-4.89e-02	0.69	1.68	-1.13	835.52	-496.74	-367.35	706.13	-394.51
1	32	233	6.63	2.52	3.01	6.15	-1.33	573.30	-669.61	-402.04	305.73	-510.86
1	32	234	-3.28	-8.59	-4.84	-7.03	2.42	75.35	-859.49	-597.75	-186.39	-419.73
1	32	235	1.51	-3.95	-3.13	0.69	1.95	968.69	-553.89	202.18	212.62	761.27
1	32	236	2.78	-2.35	-2.22	2.64	0.83	1034.39	-402.14	129.95	502.30	693.72
1	32	237	2.92	-1.02	-0.12	2.03	1.65	1153.41	-223.78	63.30	866.34	559.42
1	32	238	5.12	0.37	2.72	2.77	2.38	1224.36	6.17	137.28	1093.26	377.52
1	32	239	4.60	-0.31	1.03	3.25	2.19	1218.57	82.43	132.01	1169.00	232.09
1	32	240	4.06	-5.32e-02	0.70	3.30	1.59	1187.88	130.79	146.69	1171.98	128.68
1	32	241	3.43	9.73e-02	0.42	3.11	0.98	1147.00	146.91	149.01	1144.90	45.78
1	32	242	2.92	0.43	0.49	2.86	0.38	1104.23	144.45	145.30	1103.38	-28.48
1	32	243	2.61	0.68	0.70	2.59	-0.17	1060.44	119.85	131.71	1048.57	-104.97
1	32	244	2.48	0.47	0.69	2.26	-0.63	1009.13	62.69	103.75	968.07	-192.81
1	32	245	1.95	-0.32	6.81e-02	1.56	-0.86	936.49	-40.89	57.26	838.34	-293.76
1	32	246	2.23	0.87	1.93	1.17	-0.56	842.27	-129.72	82.34	630.20	-401.44
1	32	247	0.89	0.57	0.61	0.84	-0.11	706.35	-241.32	128.04	336.99	-462.18
1	32	248	0.13	-0.47	-0.21	-0.12	-0.30	643.89	-390.77	191.73	61.39	-513.21
1	32	249	0.20	-3.49	-3.41	0.12	0.53	1077.24	-174.65	649.49	253.10	593.74
1	32	250	0.57	-2.48	-2.33	0.42	0.66	1055.39	-21.94	552.99	480.47	537.44
1	32	251	1.23	-1.36	-0.83	0.69	1.05	1079.02	115.30	427.72	766.61	451.09
1	32	252	2.68	-0.39	1.22	1.07	1.53	1115.67	214.09	362.50	967.27	334.33
1	32	253	3.45	0.14	2.03	1.55	1.64	1121.66	261.34	319.45	1063.55	215.91
1	32	254	2.90	4.31e-02	1.10	1.85	1.38	1105.71	252.20	270.08	1087.83	122.23
1	32	255	2.55	0.45	1.08	1.93	0.96	1075.05	248.86	251.21	1072.70	44.00
1	32	256	2.05	0.76	0.96	1.85	0.47	1036.28	243.14	244.04	1035.38	-26.82
1	32	257	1.63	0.93	0.93	1.63	4.19e-02	991.57	231.58	244.45	978.70	-98.05
1	32	258	1.33	0.24	0.29	1.28	-0.23	940.27	204.29	248.50	896.06	-174.89
1	32	259	1.16	0.58	0.90	0.85	-0.29	880.86	191.63	298.41	774.07	-249.39
1	32	260	1.70	0.47	1.69	0.48	-0.13	827.68	161.64	390.39	598.93	-316.28
1	32	261	0.66	0.31	0.66	0.31	1.71e-02	794.08	74.58	490.31	378.35	-355.37
1	32	262	6.83e-02	-0.45	-0.45	6.81e-02	-1.05e-02	841.04	-101.10	603.42	136.51	-409.15



1	32	263	-0.12	-3.72	-3.72	-0.12	4.15e-02	1089.74	80.92	912.36	258.31	384.03
1	32	264	-0.16	-2.68	-2.66	-0.18	0.24	1016.23	245.50	795.66	466.06	348.35
1	32	265	0.17	-1.45	-1.20	-8.45e-02	0.59	971.70	371.58	631.73	711.54	297.40
1	32	266	0.91	-1.00	-0.26	0.17	0.94	995.35	394.92	504.58	885.69	231.99
1	32	267	2.62	-6.17e-02	2.06	0.50	1.09	1024.78	406.53	449.47	981.84	157.17
1	32	268	2.48	0.17	1.84	0.81	1.03	1028.96	368.44	380.82	1016.58	89.59
1	32	269	2.11	0.40	1.50	1.01	0.82	1012.48	332.64	334.25	1010.87	33.07
1	32	270	1.67	0.64	1.26	1.05	0.50	978.81	325.37	325.90	978.28	-18.69
1	32	271	1.10	0.62	0.77	0.95	0.22	932.18	321.84	329.91	924.10	-69.74
1	32	272	0.77	0.33	0.35	0.75	8.31e-02	873.89	338.48	366.95	845.42	-120.13
1	32	273	1.78	0.47	1.78	0.47	4.86e-02	812.35	396.15	474.72	733.78	-162.87
1	32	274	1.40	0.23	1.39	0.24	0.11	786.41	379.86	582.90	583.36	-203.28
1	32	275	0.49	6.52e-02	0.46	0.10	0.12	826.70	275.54	706.10	396.14	-227.88
1	32	276	-3.83e-03	-0.85	-0.84	-1.30e-02	8.74e-02	926.95	70.29	832.78	164.46	-267.96
1	32	277	-0.20	-3.99	-3.99	-0.20	-6.69e-02	1063.10	221.14	1028.34	255.90	167.52
1	32	278	-0.36	-2.96	-2.96	-0.36	7.54e-03	953.60	408.49	907.58	454.52	151.56
1	32	279	-0.33	-1.54	-1.51	-0.35	0.18	839.58	575.91	732.47	683.02	129.50
1	32	280	4.72e-02	-0.76	-0.51	-0.20	0.37	878.09	552.99	587.85	843.23	100.59
1	32	281	2.17	-0.10	2.01	5.69e-02	0.58	948.18	506.50	518.45	936.23	71.67
1	32	282	2.18	5.91e-02	1.92	0.32	0.70	978.06	434.05	437.62	974.49	43.92
1	32	283	1.93	0.20	1.63	0.49	0.65	973.00	383.23	383.66	972.57	15.92
1	32	284	1.59	0.34	1.35	0.58	0.50	943.47	373.30	373.40	943.37	-7.53
1	32	285	1.09	0.30	0.85	0.54	0.36	893.04	382.61	384.08	891.57	-27.39
1	32	286	0.58	0.14	0.34	0.38	0.22	822.68	426.02	433.02	815.68	-52.22
1	32	287	1.67	0.20	1.66	0.21	0.12	738.40	528.71	555.55	711.56	-70.06
1	32	288	1.17	5.07e-02	1.15	7.26e-02	0.16	720.69	526.81	673.04	574.46	-83.47
1	32	289	0.30	-6.46e-02	0.24	2.05e-04	0.14	822.29	382.38	802.86	401.81	-90.38
1	32	290	-3.43e-02	-1.05	-1.04	-4.27e-02	9.18e-02	951.88	159.61	937.16	174.32	-106.95
1	32	291	-0.18	-4.11	-4.10	-0.18	-0.12	1034.30	246.53	1028.29	252.54	-68.57
1	32	292	-0.32	-3.11	-3.10	-0.34	-0.20	918.44	439.98	909.94	448.48	-63.20
1	32	293	-0.29	-1.70	-1.66	-0.34	-0.24	768.09	643.93	737.56	674.45	-53.46
1	32	294	-9.23e-02	-0.70	-0.57	-0.22	-0.25	838.45	591.03	596.29	833.20	-35.67
1	32	295	1.96	-1.41e-02	1.95	-4.90e-03	-0.13	927.26	524.43	525.61	926.07	-21.81
1	32	296	1.88	0.22	1.88	0.22	-9.16e-04	965.01	444.69	444.91	964.78	-10.89
1	32	297	1.62	0.38	1.62	0.38	4.69e-02	963.81	391.61	391.62	963.81	1.92
1	32	298	1.34	0.47	1.34	0.47	4.39e-02	936.07	381.20	381.40	935.88	10.49
1	32	299	0.83	0.44	0.82	0.44	4.99e-02	885.90	391.98	392.31	885.57	12.81
1	32	300	1.02	0.31	1.02	0.31	1.53e-02	812.72	454.45	455.73	811.44	21.32
1	32	301	1.58	0.17	1.58	0.17	-1.80e-02	715.45	556.23	562.49	709.19	30.94
1	32	302	1.08	5.98e-02	1.08	6.15e-02	4.14e-02	689.16	562.75	678.45	573.46	35.20
1	32	303	0.24	-2.14e-02	0.23	-2.13e-03	6.89e-02	810.59	398.87	807.80	401.65	33.74
1	32	304	-4.40e-02	-0.96	-0.96	-4.74e-02	5.52e-02	944.73	172.68	942.80	174.61	38.54
1	32	305	-6.09e-02	-4.03	-4.01	-8.14e-02	-0.28	1012.18	153.04	917.24	247.97	-269.35
1	32	306	-3.51e-02	-3.12	-3.04	-0.11	-0.48	931.48	323.31	807.25	447.54	-245.19
1	32	307	0.18	-1.85	-1.63	-3.31e-02	-0.62	879.59	456.00	649.75	685.84	-211.03
1	32	308	0.55	-1.04	-0.59	0.10	-0.72	923.25	456.64	524.19	855.71	-164.18
1	32	309	1.48	-0.17	1.00	0.30	-0.75	975.46	429.62	453.69	951.39	-112.06
1	32	310	2.06	0.20	1.76	0.50	-0.68	994.93	397.24	404.29	987.88	-64.52
1	32	311	1.75	0.38	1.48	0.65	-0.54	985.72	358.76	359.80	984.68	-25.52
1	32	312	1.43	0.47	1.20	0.70	-0.41	955.92	350.25	350.44	955.74	10.58
1	32	313	0.95	0.42	0.70	0.66	-0.26	909.90	352.22	355.89	906.23	45.10
1	32	314	0.96	0.49	0.93	0.51	-0.11	848.10	391.45	407.41	832.15	83.86
1	32	315	1.54	0.34	1.54	0.34	-5.58e-03	778.48	446.63	499.00	726.12	120.98
1	32	316	1.07	0.21	1.07	0.21	3.57e-02	749.01	433.48	601.77	580.72	157.41
1	32	317	0.32	9.51e-02	0.31	0.11	5.05e-02	802.09	316.81	722.48	396.43	179.71
1	32	318	-2.27e-02	-0.72	-0.72	-2.40e-02	3.02e-02	909.57	107.13	850.83	165.87	209.01
1	32	319	0.35	-4.01	-3.86	0.20	-0.79	967.26	-61.32	669.93	236.01	-466.29
1	32	320	0.78	-3.19	-2.98	0.57	-0.88	943.99	86.42	581.76	448.65	-423.59
1	32	321	1.04	-1.90	-1.58	0.71	-0.93	970.99	210.72	460.37	721.35	-357.04
1	32	322	1.41	-1.14	-0.55	0.82	-1.07	1022.45	269.05	376.29	915.22	-263.23
1	32	323	2.59	0.24	1.80	1.03	-1.11	1054.78	320.92	363.88	1011.83	-172.26
1	32	324	2.18	0.28	1.26	1.20	-0.95	1052.45	307.58	320.36	1039.66	-96.74
1	32	325	1.87	0.50	1.09	1.28	-0.68	1031.27	295.49	297.31	1029.44	-36.63
1	32	326	1.55	0.69	0.99	1.25	-0.41	998.44	290.60	291.06	997.98	18.02
1	32	327	1.21	0.82	0.90	1.13	-0.15	956.75	284.78	292.65	948.88	72.29
1	32	328	0.98	0.76	0.82	0.92	9.37e-02	906.09	280.68	311.09	875.68	134.52
1	32	329	1.59	0.62	1.54	0.67	0.20	848.22	283.13	367.72	763.63	201.61
1	32	330	1.13	0.43	1.07	0.49	0.20	795.88	236.34	434.93	597.29	267.74
1	32	331	0.57	0.17	0.36	0.38	0.20	773.44	139.87	530.94	382.37	307.95
1	32	332	0.11	-0.35	-0.28	3.80e-02	0.17	822.97	-40.27	642.00	140.70	351.38
1	32	333	1.71	-4.62	-3.73	0.81	-2.20	834.82	-401.79	242.75	190.28	-617.75
1	32	334	2.96	-3.39	-3.11	2.68	-1.30	912.11	-254.43	205.30	452.38	-570.04
1	32	335	2.24	-1.85	-1.48	1.87	-1.17	1037.73	-83.08	157.90	796.75	-460.46
1	32	336	3.02	-0.23	0.79	2.01	-1.51	1120.09	84.88	186.54	1018.43	-308.07
1	32	337	3.14	-0.21	0.73	2.20	-1.50	1135.50	168.41	206.58	1097.34	-188.28
1	32	338	2.85	3.03e-02	0.64	2.24	-1.16	1118.28	206.82	218.90	1106.19	-104.26



1	32	339	2.46	0.28	0.59	2.15	-0.76	1087.43	220.21	221.96	1085.67	-38.98
1	32	340	2.12	0.47	0.56	2.03	-0.39	1052.21	216.54	216.95	1051.79	18.64
1	32	341	1.88	0.56	0.56	1.88	-3.64e-02	1014.42	195.60	203.51	1006.50	80.11
1	32	342	1.79	0.51	0.59	1.71	0.31	968.74	154.72	184.10	939.36	151.83
1	32	343	1.50	0.28	0.52	1.26	0.48	904.38	79.92	158.41	825.90	241.97
1	32	344	1.50	0.66	1.03	1.12	0.42	817.19	-16.96	166.44	633.79	345.47
1	32	345	1.32	-6.10e-02	0.11	1.15	0.46	690.57	-148.06	192.04	350.47	411.76
1	32	346	0.82	-0.38	0.35	9.27e-02	0.59	626.54	-303.00	248.27	75.28	456.65
1	32	347	2.85	-7.02	-4.06	-0.11	-4.52	444.23	-949.07	-543.90	39.05	-632.74
1	32	348	6.22	-4.64	-4.18	5.75	-2.19	745.81	-723.83	-373.77	395.74	-626.04
1	32	349	4.46	0.35	0.51	4.31	-0.79	1109.76	-365.21	-220.48	965.03	-438.77
1	32	350	5.34	-0.38	0.69	4.27	-2.23	1202.66	-86.00	-35.40	1152.05	-250.29
1	32	351	4.59	-0.75	-0.18	4.02	-1.64	1202.39	47.98	67.60	1182.76	-149.25
1	32	352	3.85	-0.41	-9.74e-02	3.54	-1.12	1175.77	121.72	128.25	1169.25	-82.68
1	32	353	3.27	-0.11	5.50e-02	3.11	-0.72	1139.81	153.03	154.02	1138.81	-31.34
1	32	354	2.90	0.10	0.15	2.85	-0.37	1103.08	151.73	151.95	1102.86	14.36
1	32	355	2.75	0.34	0.34	2.75	-1.99e-02	1066.88	123.41	127.51	1062.77	62.10
1	32	356	2.86	0.47	0.54	2.79	0.41	1023.31	56.77	72.37	1007.71	121.77
1	32	357	3.23	5.60e-02	0.37	2.92	0.95	950.62	-82.03	-40.71	909.29	202.40
1	32	358	1.40	-0.52	-0.48	1.36	0.24	812.17	-322.37	-222.41	712.20	321.59
1	32	359	6.57	-0.31	0.27	5.99	1.92	593.04	-539.55	-285.98	339.47	472.11
1	32	360	-1.24	-3.28	-1.36	-3.16	-0.47	109.50	-679.91	-437.42	-132.99	364.17
1	32	361	22.39	-8.04	17.95	-3.60	10.74	-650.93	-1824.46	-1716.73	-758.65	-338.84
1	32	362	14.48	-5.74	7.82	0.92	9.50	949.20	-1248.33	-1070.13	771.00	-599.88
1	32	363	10.27	-1.46	1.44	7.37	-5.07	1217.73	-496.67	-465.97	1187.03	-227.34
1	32	364	7.99	-2.00	-1.50	7.49	-2.17	1233.00	-176.66	-168.49	1224.82	-107.06
1	32	365	6.03	-0.92	-0.76	5.87	-1.04	1237.50	-2.99	0.61	1233.89	-66.78
1	32	366	4.63	-0.83	-0.73	4.54	-0.70	1210.51	78.16	79.57	1209.10	-39.92
1	32	367	3.86	-0.29	-0.21	3.79	-0.55	1173.44	119.81	120.07	1173.19	-16.34
1	32	368	3.47	-0.16	-0.11	3.41	-0.43	1136.37	117.35	117.37	1136.34	5.11
1	32	369	3.41	0.20	0.23	3.38	-0.29	1100.16	88.68	89.36	1099.47	26.31
1	32	370	3.72	1.26e-03	1.27e-03	3.72	-6.95e-03	1054.52	5.23	7.82	1051.93	52.00
1	32	371	4.65	-0.39	-0.30	4.56	0.68	979.29	-142.92	-135.89	972.26	88.56
1	32	372	7.55	-3.70	-0.55	4.40	5.05	804.65	-467.20	-435.31	772.76	198.85
1	32	373	0.14	-9.71	-2.25e-02	-9.55	1.24	466.82	-1039.20	-943.66	371.27	367.10
1	32	374	8.93	0.86	7.25	2.54	-3.28	-857.72	-1490.52	-1488.85	-859.39	-32.46
1	32	375	56.18	-29.70	56.17	-29.69	0.87	1261.51	-848.79	-844.50	1257.22	95.05
1	32	376	17.36	-1.55	-1.53	17.34	-0.61	1327.71	-442.96	-442.41	1327.15	-31.31
1	32	377	9.13	0.66	0.66	9.13	-0.18	1247.44	-125.20	-124.44	1246.69	-32.14
1	32	378	5.97	-1.14	-1.12	5.96	-0.33	1239.41	-4.13	-3.31	1238.59	-31.91
1	32	379	4.71	-0.81	-0.78	4.68	-0.42	1216.67	79.84	80.28	1216.23	-22.41
1	32	380	3.94	-0.42	-0.37	3.89	-0.46	1179.91	116.90	116.98	1179.83	-8.99
1	32	381	3.56	-0.21	-0.15	3.50	-0.48	1142.97	115.88	115.88	1142.97	1.39
1	32	382	3.53	0.11	0.19	3.45	-0.51	1105.86	87.44	87.54	1105.75	10.13
1	32	383	3.91	0.37	0.45	3.83	-0.52	1059.88	14.85	15.01	1059.71	13.05
1	32	384	4.69	0.22	0.26	4.66	-0.38	976.46	-136.84	-136.48	976.10	19.98
1	32	385	13.87	1.62	1.68	13.80	0.88	915.34	-385.22	-384.13	914.25	37.68
1	32	386	21.40	15.25	21.00	15.64	1.50	399.72	-752.85	-752.70	399.57	-13.17
1	32	387	14.15	-8.77	13.36	-7.98	-4.19	-352.32	-1142.90	-1034.40	-460.81	272.04
1	32	388	18.80	-0.25	10.94	7.61	-9.38	845.29	-994.35	-800.29	651.23	565.11
1	32	389	11.66	-1.08	1.95	8.63	5.42	1203.11	-400.05	-370.53	1173.59	215.52
1	32	390	8.62	-1.12	-0.68	8.18	2.02	1229.67	-119.05	-115.65	1226.27	67.66
1	32	391	6.24	-0.91	-0.78	6.12	0.94	1238.31	16.36	16.89	1237.78	25.42
1	32	392	4.74	-0.80	-0.75	4.69	0.51	1217.27	86.75	86.78	1217.24	5.25
1	32	393	3.92	-0.23	-0.21	3.91	0.25	1183.28	123.88	123.90	1183.26	-4.51
1	32	394	3.52	-0.10	-0.10	3.52	3.82e-02	1146.83	120.38	120.49	1146.72	-10.52
1	32	395	3.50	0.24	0.25	3.49	-0.22	1108.96	94.63	94.93	1108.65	-17.63
1	32	396	3.92	-6.90e-02	1.73e-02	3.84	-0.58	1059.69	19.28	20.15	1058.83	-30.04
1	32	397	4.99	-0.36	-0.14	4.76	-1.07	976.63	-113.22	-110.39	973.80	-55.42
1	32	398	7.85	-4.09	-0.75	4.50	-5.36	787.71	-394.05	-370.16	763.82	-166.32
1	32	399	2.11	-6.75	2.03	-6.67	0.86	468.35	-888.92	-790.13	369.56	-352.60
1	32	400	6.54	0.12	5.57	1.08	-2.30	-551.54	-912.23	-904.31	-559.46	52.86
1	32	401	0.20	-8.21	-6.96	-1.05	2.99	464.01	-657.30	-290.31	97.01	526.15
1	32	402	4.07	-1.44	-1.28	3.91	0.93	749.86	-412.90	-138.97	475.93	493.43
1	32	403	6.54	0.65	2.25	4.94	2.62	1085.12	-168.40	-60.34	977.05	351.83
1	32	404	6.55	-0.84	0.87	4.84	3.12	1188.77	8.98	38.56	1159.19	184.47
1	32	405	5.48	-0.60	0.39	4.49	2.24	1209.40	102.23	111.42	1200.21	100.48
1	32	406	4.48	-0.32	0.26	3.90	1.57	1198.14	146.50	148.99	1195.65	51.08
1	32	407	3.74	-0.20	0.10	3.43	1.06	1170.31	159.41	159.76	1169.96	18.76
1	32	408	3.26	8.72e-02	0.21	3.14	0.61	1134.85	156.18	156.23	1134.79	-7.15
1	32	409	3.01	0.17	0.17	3.01	8.02e-02	1093.21	130.54	131.89	1091.86	-36.06
1	32	410	3.14	9.48e-02	0.20	3.03	-0.55	1036.23	80.13	86.36	1030.00	-76.89
1	32	411	3.64	-9.98e-02	0.42	3.12	-1.29	943.21	-14.08	7.14	922.00	-140.93
1	32	412	2.21	-0.76	-0.37	1.82	-1.00	792.77	-199.81	-135.56	728.52	-244.23
1	32	413	5.95	1.48	2.06	5.38	-1.50	546.25	-294.35	-118.74	370.65	-341.72
1	32	414	-3.35	-5.39	-4.13	-4.61	0.99	129.46	-441.21	-231.54	-80.22	-275.12



1	32	415	1.16	-4.88	-4.24	0.52	1.86	772.38	-160.47	387.21	224.70	459.29
1	32	416	2.29	-3.50	-3.26	2.05	1.17	836.80	-16.72	324.70	495.38	418.14
1	32	417	3.01	-0.74	0.66	1.61	1.82	985.36	118.86	268.49	835.73	327.52
1	32	418	4.75	4.95e-02	2.60	2.20	2.34	1104.26	222.65	272.85	1054.06	204.30
1	32	419	4.48	0.13	1.98	2.63	2.15	1155.43	237.64	252.44	1140.62	115.64
1	32	420	3.77	6.78e-02	1.10	2.74	1.66	1162.09	227.14	230.91	1158.32	59.31
1	32	421	3.22	0.26	0.82	2.65	1.16	1143.75	216.88	217.36	1143.27	20.94
1	32	422	2.69	0.40	0.60	2.49	0.65	1110.35	209.32	209.43	1110.24	-10.20
1	32	423	2.30	0.42	0.43	2.29	0.11	1063.52	193.41	195.60	1061.34	-43.55
1	32	424	2.12	0.24	0.32	2.04	-0.38	996.29	175.16	184.64	986.81	-87.72
1	32	425	1.74	-0.62	-0.40	1.52	-0.69	896.48	134.04	164.66	865.86	-149.68
1	32	426	1.56	-7.65e-03	0.32	1.24	-0.63	760.03	113.75	202.25	671.54	-222.17
1	32	427	1.42	0.43	0.88	0.97	-0.49	614.39	71.52	292.61	393.30	-266.73
1	32	428	0.69	-0.58	6.10e-02	4.71e-02	-0.63	571.63	-82.88	381.60	107.16	-297.10
1	32	429	0.16	-4.87	-4.77	7.15e-02	0.67	838.68	128.45	705.93	261.20	276.89
1	32	430	0.52	-3.69	-3.48	0.32	0.90	803.70	289.92	604.46	489.16	250.33
1	32	431	2.15	-0.46	1.08	0.61	1.28	890.61	411.28	525.94	775.95	204.48
1	32	432	3.53	-1.99e-02	2.50	1.01	1.61	1013.64	401.14	434.34	980.45	138.67
1	32	433	3.60	0.22	2.31	1.50	1.64	1096.52	347.72	356.85	1087.39	82.19
1	32	434	3.27	0.42	1.84	1.84	1.42	1125.79	296.34	298.54	1123.59	42.62
1	32	435	2.82	0.51	1.36	1.98	1.11	1118.39	265.88	266.14	1118.13	15.05
1	32	436	2.28	0.57	0.92	1.92	0.70	1087.29	255.38	255.44	1087.23	-6.94
1	32	437	1.78	0.47	0.54	1.71	0.30	1035.64	253.25	254.35	1034.54	-29.29
1	32	438	1.37	0.13	0.13	1.37	5.23e-03	958.46	267.34	271.92	953.88	-56.05
1	32	439	1.00	-0.47	-0.45	0.98	-0.19	845.86	288.50	303.00	831.37	-88.70
1	32	440	0.66	-1.51	-1.49	0.63	-0.23	699.07	330.00	375.74	653.33	-121.61
1	32	441	1.00	0.32	0.92	0.40	-0.22	648.78	337.23	560.90	425.12	-140.20
1	32	442	0.20	-0.38	-0.29	0.10	-0.21	739.81	117.04	692.78	164.07	-164.56
1	32	443	-5.09e-02	-5.24	-5.23	-5.91e-02	0.21	836.23	259.47	828.06	267.65	68.18
1	32	444	-7.18e-03	-3.87	-3.84	-3.42e-02	0.32	729.83	471.19	714.66	486.36	60.78
1	32	445	0.28	-1.96	-1.88	0.19	0.42	763.20	550.90	560.40	753.70	43.91
1	32	446	2.58	0.51	2.46	0.62	0.47	951.33	501.79	503.13	949.99	24.51
1	32	447	2.72	0.79	2.43	1.08	0.69	1062.16	404.37	404.70	1061.83	14.72
1	32	448	2.76	0.75	2.05	1.46	0.96	1106.74	323.79	323.97	1106.56	11.72
1	32	449	2.59	0.65	1.57	1.66	0.97	1106.57	288.53	288.54	1106.56	2.72
1	32	450	2.20	0.57	1.13	1.65	0.77	1077.28	277.35	277.35	1077.28	1.93e-02
1	32	451	1.73	0.41	0.71	1.43	0.56	1023.78	286.14	286.14	1023.78	-1.02
1	32	452	1.21	0.13	0.24	1.10	0.33	941.81	319.02	319.06	941.77	4.73
1	32	453	0.73	-0.48	-0.48	0.73	-3.50e-02	820.26	361.74	361.93	820.08	-9.09
1	32	454	0.60	-8.11e-02	5.91e-02	0.46	-0.27	650.18	492.47	492.56	650.10	-3.61
1	32	455	0.86	0.22	0.77	0.31	-0.22	661.35	437.71	661.32	437.74	2.68
1	32	456	5.05e-02	-0.54	-0.53	4.78e-02	-3.95e-02	804.53	180.40	804.53	180.40	0.59
1	32	457	8.17e-02	-5.43	-5.42	6.69e-02	-0.29	837.86	194.35	771.83	260.38	-195.27
1	32	458	0.30	-4.06	-4.05	0.28	-0.24	777.54	371.25	666.32	482.47	-181.16
1	32	459	0.57	-2.02	-1.96	0.51	-0.38	834.85	443.44	520.33	757.96	-155.51
1	32	460	2.73	0.64	2.52	0.84	-0.63	982.71	448.61	472.17	959.15	-109.68
1	32	461	2.63	1.11	2.44	1.29	-0.50	1078.75	374.54	381.74	1071.55	-70.87
1	32	462	2.07	1.60	2.04	1.63	-0.12	1115.86	312.89	313.70	1115.05	-25.43
1	32	463	1.82	1.54	1.56	1.79	7.87e-02	1114.31	275.60	275.60	1114.31	-0.72
1	32	464	1.78	1.11	1.12	1.77	9.65e-02	1086.25	264.43	264.85	1085.82	18.65
1	32	465	1.55	0.70	0.72	1.53	0.12	1035.38	269.34	271.07	1033.64	36.42
1	32	466	1.17	0.26	0.27	1.17	9.02e-02	958.00	284.56	289.48	953.07	57.40
1	32	467	0.78	-0.47	-0.44	0.75	-0.19	844.96	316.51	330.57	830.90	85.05
1	32	468	1.15	0.19	0.85	0.49	-0.44	692.96	430.64	468.07	655.53	91.76
1	32	469	0.76	0.19	0.54	0.42	-0.28	660.30	385.50	612.97	432.83	103.76
1	32	470	0.15	-0.54	-0.50	0.11	0.16	776.74	149.03	753.63	172.14	118.20
1	32	471	0.90	-5.97	-5.65	0.58	-1.45	788.98	-35.45	527.00	226.54	-383.86
1	32	472	1.75	-4.45	-4.43	1.73	-0.35	814.79	111.75	451.37	475.17	-351.32
1	32	473	1.56	-1.95	-1.75	1.36	-0.81	936.63	201.89	346.29	792.23	-291.97
1	32	474	3.10	0.56	1.86	1.80	-1.27	1062.00	275.96	328.98	1008.97	-197.15
1	32	475	3.45	1.03	2.31	2.17	-1.21	1131.07	276.67	294.15	1113.60	-120.93
1	32	476	3.10	1.03	1.82	2.31	-1.01	1150.98	255.14	260.13	1146.00	-66.64
1	32	477	2.73	0.93	1.33	2.33	-0.75	1139.87	232.84	233.59	1139.12	-26.11
1	32	478	2.43	0.73	0.90	2.26	-0.51	1110.18	221.43	221.51	1110.10	8.32
1	32	479	2.08	0.48	0.54	2.03	-0.28	1063.78	211.10	213.27	1061.61	42.94
1	32	480	1.68	0.19	0.19	1.68	-3.80e-02	995.72	195.77	205.25	986.25	86.54
1	32	481	1.11	-0.31	-0.30	1.10	0.11	897.15	182.12	213.81	865.46	147.15
1	32	482	1.83	0.77	1.82	0.78	-0.11	771.54	222.35	319.42	674.47	209.49
1	32	483	0.85	-2.57e-02	4.79e-02	0.78	-0.24	656.65	162.89	408.25	411.29	246.87
1	32	484	0.50	-1.02	-0.63	0.12	0.66	657.22	-8.63	518.64	129.95	270.31
1	32	485	0.93	-8.45	-7.88	0.36	-2.24	523.41	-425.13	-16.03	114.30	-469.77
1	32	486	2.32	-2.87	-2.77	2.22	0.73	750.65	-229.87	60.67	460.11	-447.74
1	32	487	5.23	-2.21	-1.58	4.60	-2.08	1021.74	-93.87	43.43	884.43	-366.51
1	32	488	4.93	1.64	2.46	4.11	-1.42	1146.78	96.70	145.81	1097.67	-221.73
1	32	489	4.38	1.19	1.99	3.58	-1.39	1190.86	150.14	166.39	1174.62	-129.01
1	32	490	3.74	0.65	1.08	3.30	-1.07	1192.26	164.46	169.05	1187.67	-68.55



1	32	491	3.32	0.60	0.82	3.10	-0.74	1171.72	170.99	171.67	1171.04	-26.12
1	32	492	3.02	0.55	0.62	2.96	-0.39	1140.69	163.73	163.80	1140.61	8.57
1	32	493	2.82	0.19	0.19	2.81	-7.47e-02	1100.39	133.45	135.54	1098.30	44.87
1	32	494	2.72	-0.13	-0.10	2.70	0.29	1043.88	88.19	97.60	1034.46	94.39
1	32	495	2.76	-0.70	-0.45	2.50	0.91	957.20	7.43	41.95	922.68	177.75
1	32	496	2.18	-0.22	0.33	1.63	1.01	829.20	-94.87	3.26	731.08	284.68
1	32	497	2.85	5.86e-02	6.85e-02	2.84	-0.17	580.39	-148.72	47.10	384.57	323.15
1	32	498	-4.60	-5.52	-5.29	-4.84	-0.40	295.20	-336.91	-20.86	-20.85	316.05
1	32	499	14.43	-17.21	14.37	-17.14	-1.44	88.60	-854.58	-613.93	-152.04	-411.18
1	32	500	10.87	-3.81	-2.59	9.65	4.06	617.34	-862.28	-573.86	328.92	-586.15
1	32	501	10.00	0.90	1.61	9.29	2.44	1117.60	-354.54	-278.41	1041.48	-326.00
1	32	502	5.91	2.58	2.63	5.85	-0.43	1211.08	-93.02	-75.68	1193.74	-149.37
1	32	503	4.98	1.61	1.71	4.87	-0.59	1235.95	35.39	39.99	1231.35	-74.19
1	32	504	4.24	0.68	0.71	4.21	-0.33	1223.52	89.94	90.78	1222.68	-30.89
1	32	505	3.79	0.32	0.32	3.79	-6.71e-02	1195.89	112.08	112.09	1195.87	-4.45
1	32	506	3.61	0.31	0.32	3.60	0.19	1164.34	109.91	110.11	1164.14	14.51
1	32	507	3.65	4.76e-02	9.46e-02	3.60	0.41	1129.48	72.59	73.69	1128.38	34.07
1	32	508	3.94	-0.58	-0.48	3.84	0.66	1083.59	-9.98	-6.06	1079.66	65.40
1	32	509	4.55	-0.75	-0.53	4.33	1.06	1006.95	-145.95	-131.69	992.68	127.43
1	32	510	4.47	-1.93	-1.78	4.31	0.97	840.55	-398.97	-342.61	784.19	258.24
1	32	511	-2.10	-6.39	-4.05	-4.44	-2.14	489.27	-745.76	-547.82	291.33	453.08
1	32	512	10.57	-8.05	9.99	-7.47	3.25	-58.30	-572.43	-452.19	-178.54	217.62
1	32	513	1.83	8.37e-02	0.11	1.81	0.20	832.73	-97.06	-60.76	796.42	180.10
1	32	514	28.89	-37.85	28.50	-37.47	-5.05	956.63	-1517.02	-1516.15	955.76	46.38
1	32	515	10.99	1.44	10.12	2.30	-2.74	1240.27	-534.82	-532.52	1237.96	63.91
1	32	516	5.91	3.44	3.44	5.91	7.86e-02	1242.89	-191.81	-189.35	1240.43	59.37
1	32	517	5.46	1.51	1.61	5.36	0.62	1249.35	-24.70	-22.39	1247.05	54.17
1	32	518	4.69	5.52e-02	0.15	4.59	0.66	1228.06	45.39	46.66	1226.78	38.84
1	32	519	4.18	3.25e-02	0.14	4.07	0.66	1195.53	85.73	86.31	1194.94	25.42
1	32	520	3.97	4.89e-02	0.15	3.86	0.63	1163.07	84.04	84.13	1162.98	9.83
1	32	521	4.01	0.13	0.20	3.94	0.52	1131.74	47.18	47.21	1131.70	-6.01
1	32	522	4.41	-0.68	-0.65	4.38	0.38	1092.68	-58.49	-58.17	1092.36	-19.08
1	32	523	5.25	-4.55e-02	-4.07e-02	5.25	0.16	1021.37	-221.16	-220.19	1020.40	-34.76
1	32	524	9.63	7.09	8.13	8.59	1.25	948.43	-464.86	-463.30	946.86	-47.03
1	32	525	16.51	-0.92	16.31	-0.73	1.84	499.38	-1156.49	-1155.88	498.76	-31.87
1	32	526	3.30	-0.89	-0.88	3.29	-0.14	492.27	-117.29	-32.07	407.05	211.39
1	32	527	-2.91	-4.39	-3.31	-3.99	0.66	143.89	-240.40	-91.16	-5.34	187.29
1	32	528	12.97	-13.74	12.72	-13.49	-2.57	-183.98	-681.10	-632.40	-232.68	-147.77
1	32	529	6.71	-5.48	-4.07	5.30	3.91	407.89	-751.82	-604.45	260.52	-386.24
1	32	530	7.26	-0.19	0.49	6.58	2.14	1001.07	-331.57	-310.98	980.48	-164.35
1	32	531	4.70	1.78	1.82	4.66	0.34	1176.68	-87.98	-87.34	1176.04	-28.36
1	32	532	4.20	1.23	1.28	4.15	0.35	1246.66	34.18	34.32	1246.53	12.73
1	32	533	3.87	0.78	0.87	3.78	0.53	1260.70	95.16	95.72	1260.13	25.64
1	32	534	3.69	0.43	0.58	3.54	0.67	1249.13	118.50	118.88	1248.76	20.57
1	32	535	3.61	0.20	0.38	3.43	0.77	1226.80	114.72	114.79	1226.73	8.80
1	32	536	3.65	-5.51e-02	0.16	3.44	0.86	1196.69	79.29	79.40	1196.58	11.06
1	32	537	3.85	-0.19	6.25e-02	3.60	0.99	1150.24	12.23	12.34	1150.12	11.50
1	32	538	4.15	-0.14	0.17	3.84	1.11	1062.91	-106.53	-105.42	1061.79	36.08
1	32	539	14.14	-11.93	13.68	-11.47	-3.43	-85.00	-1110.13	-879.05	-316.08	428.36
1	32	540	17.64	-3.77	1.66	12.21	-9.31	761.13	-1092.32	-763.67	432.47	707.91
1	32	541	8.52	1.39	1.42	8.49	-0.48	1178.49	-501.27	-398.63	1075.86	402.33
1	32	542	6.22	1.43	1.59	6.06	0.85	1221.80	-172.72	-138.85	1187.93	214.69
1	32	543	5.32	0.65	0.95	5.02	1.15	1228.24	-9.31	5.08	1213.85	132.67
1	32	544	4.49	-0.38	-0.18	4.29	0.97	1204.88	58.95	63.80	1200.03	74.42
1	32	545	3.97	6.51e-02	0.22	3.82	0.76	1172.03	103.73	104.66	1171.10	31.61
1	32	546	3.69	0.16	0.24	3.61	0.52	1140.31	102.67	102.73	1140.25	-7.97
1	32	547	3.64	0.29	0.31	3.63	0.21	1110.37	64.98	67.23	1108.13	-48.39
1	32	548	3.93	-0.61	-0.60	3.93	-0.19	1073.55	-37.91	-29.94	1065.58	-93.79
1	32	549	4.60	-0.86	-0.69	4.43	-0.95	1010.25	-199.35	-178.05	988.94	-159.11
1	32	550	4.69	-3.39	-2.00	3.31	-3.05	859.13	-514.66	-437.30	781.77	-316.69
1	32	551	1.97	-7.47	-1.05	-4.45	4.41	526.43	-944.84	-735.57	317.16	-513.91
1	32	552	6.20	-2.08	6.15	-2.03	-0.64	-305.77	-824.79	-744.30	-386.26	-187.87
1	32	553	2.51	-9.63	-8.03	0.91	4.11	589.18	-754.12	-238.66	73.72	653.24
1	32	554	5.30	-2.30	-2.28	5.28	0.38	837.38	-487.01	-82.18	432.55	610.13
1	32	555	6.51	-2.33	-1.98	6.16	1.71	1095.86	-289.00	-80.86	887.73	494.89
1	32	556	5.17	-0.73	-0.21	4.65	1.68	1165.57	-58.99	27.76	1078.81	314.18
1	32	557	4.46	-0.62	-6.22e-02	3.90	1.59	1171.62	59.21	95.04	1135.79	196.39
1	32	558	3.80	-0.67	-0.30	3.43	1.24	1151.71	116.20	128.50	1139.41	112.18
1	32	559	3.36	-6.18e-02	0.17	3.12	0.87	1121.91	150.21	152.20	1119.91	43.99
1	32	560	3.02	0.37	0.46	2.93	0.48	1091.58	153.67	153.93	1091.32	-15.59
1	32	561	2.84	0.30	0.30	2.84	9.81e-03	1062.10	116.41	122.96	1055.55	-78.45
1	32	562	2.89	0.15	0.23	2.80	-0.46	1025.85	48.79	72.71	1001.93	-150.99
1	32	563	2.98	-0.13	0.15	2.69	-0.90	966.63	-71.72	-8.13	903.04	-248.97
1	32	564	2.19	-0.12	-9.76e-02	2.16	-0.24	863.70	-257.68	-113.17	719.20	-375.72
1	32	565	6.18	0.45	0.56	6.07	-0.79	657.28	-372.39	-83.08	367.97	-462.81
1	32	566	-3.80	-4.55	-4.40	-3.95	-0.30	318.43	-576.26	-196.83	-60.99	-442.16



1	32	567	1.73	-5.58	-4.72	0.87	2.35	913.96	-305.01	412.61	196.34	599.82
1	32	568	3.02	-4.39	-4.15	2.77	1.31	945.90	-150.31	355.54	440.05	546.47
1	32	569	2.60	-2.49	-2.08	2.19	1.39	1028.91	3.74	282.49	750.16	456.14
1	32	570	3.03	-1.63	-0.91	2.31	1.68	1080.71	118.48	244.36	954.82	324.48
1	32	571	3.08	-1.14	-0.42	2.36	1.58	1092.32	182.14	232.01	1042.45	207.13
1	32	572	2.95	-0.19	0.45	2.30	1.27	1081.81	220.49	237.35	1064.95	119.32
1	32	573	2.59	0.14	0.53	2.20	0.90	1058.51	226.63	229.29	1055.86	46.91
1	32	574	2.23	0.58	0.74	2.07	0.49	1030.59	225.95	226.32	1030.21	-17.39
1	32	575	1.90	0.62	0.62	1.90	2.78e-02	999.50	202.32	211.59	990.22	-85.50
1	32	576	1.80	0.86	1.00	1.67	-0.33	962.15	175.71	210.88	926.98	-162.55
1	32	577	2.58	1.15	2.45	1.28	-0.40	912.09	146.31	238.75	819.66	-249.48
1	32	578	1.83	1.23	1.74	1.32	-0.21	842.06	57.89	261.19	638.75	-343.65
1	32	579	1.64	0.43	0.56	1.51	-0.37	755.04	-54.48	322.99	377.57	-403.84
1	32	580	2.05	-0.42	1.30	0.33	-1.14	738.24	-216.62	414.38	107.24	-452.06
1	32	581	0.33	-5.37	-5.25	0.22	0.80	985.37	-17.14	736.97	231.27	432.81
1	32	582	0.79	-4.34	-4.14	0.60	0.98	947.74	133.78	649.82	431.69	392.09
1	32	583	1.15	-2.77	-2.43	0.80	1.11	949.42	260.73	526.23	683.92	335.20
1	32	584	1.58	-1.74	-1.12	0.97	1.29	981.85	313.19	430.86	864.18	254.62
1	32	585	1.93	-1.06	-0.31	1.17	1.30	1006.28	319.55	365.46	960.37	171.52
1	32	586	2.35	0.10	1.15	1.30	1.12	1010.72	327.69	342.48	995.93	99.41
1	32	587	2.04	0.31	1.01	1.34	0.85	997.55	307.25	309.51	995.30	39.39
1	32	588	1.68	0.64	1.04	1.28	0.51	972.59	300.35	300.61	972.32	-13.33
1	32	589	1.15	0.51	0.54	1.12	0.14	938.08	284.82	292.49	930.42	-70.35
1	32	590	1.65	0.88	1.64	0.90	-8.96e-02	895.21	310.07	341.26	864.02	-131.45
1	32	591	2.29	0.66	2.28	0.68	-0.14	843.26	326.24	409.81	759.69	-190.33
1	32	592	1.84	0.57	1.83	0.59	-0.14	804.62	295.07	496.43	603.26	-249.11
1	32	593	1.34	0.45	1.23	0.56	-0.29	810.38	200.66	613.46	397.58	-285.11
1	32	594	1.10	-4.09e-02	0.92	0.14	-0.42	895.51	9.47	748.36	156.62	-329.74
1	32	595	-6.06e-02	-5.69	-5.68	-7.46e-02	0.28	989.94	162.51	914.97	237.48	237.51
1	32	596	-3.88e-02	-4.53	-4.46	-0.11	0.55	908.75	329.71	813.15	425.31	214.98
1	32	597	0.19	-2.88	-2.66	-2.73e-02	0.79	845.97	471.41	667.56	649.81	187.07
1	32	598	0.64	-1.74	-1.28	0.19	0.93	876.27	481.23	546.45	811.05	146.66
1	32	599	1.79	-0.25	1.08	0.45	0.97	929.34	459.42	482.64	906.11	101.85
1	32	600	1.93	2.22e-02	1.31	0.65	0.89	954.14	404.87	411.69	947.32	60.83
1	32	601	1.89	0.26	1.39	0.76	0.75	953.00	365.79	366.78	952.02	24.02
1	32	602	1.58	0.43	1.24	0.77	0.52	931.85	355.98	356.05	931.79	-6.10
1	32	603	0.93	0.40	0.68	0.66	0.26	893.27	353.12	356.24	890.15	-40.94
1	32	604	1.71	0.47	1.70	0.48	0.11	836.02	412.64	424.70	823.96	-70.43
1	32	605	2.28	0.33	2.28	0.33	3.01e-02	768.34	478.23	521.12	725.45	-102.97
1	32	606	1.92	0.25	1.92	0.25	-3.93e-02	744.81	478.00	636.19	586.62	-131.08
1	32	607	1.31	0.21	1.29	0.22	-0.12	825.20	354.90	772.53	407.56	-148.31
1	32	608	0.50	-2.20e-02	0.46	1.93e-02	-0.14	959.40	136.20	920.39	175.21	-174.90
1	32	609	-0.15	-5.94	-5.94	-0.15	0.17	981.78	236.00	979.44	238.34	41.72
1	32	610	-0.27	-4.71	-4.68	-0.29	0.31	876.58	419.59	873.56	422.61	37.03
1	32	611	-0.22	-2.87	-2.82	-0.27	0.36	730.06	629.50	720.70	638.86	29.22
1	32	612	-6.35e-02	-1.44	-1.37	-0.14	0.31	793.62	589.20	591.19	791.63	20.07
1	32	613	1.16	9.60e-03	1.09	8.02e-02	0.28	883.70	518.54	518.97	883.27	12.53
1	32	614	2.26	0.27	2.23	0.30	0.23	926.12	457.91	457.96	926.07	4.63
1	32	615	1.68	0.46	1.65	0.49	0.19	934.01	391.50	391.50	934.01	1.13
1	32	616	1.33	0.54	1.32	0.55	9.60e-02	915.46	379.98	379.98	915.46	0.20
1	32	617	0.74	0.46	0.73	0.47	-3.23e-02	874.53	383.21	383.29	874.45	-6.26
1	32	618	1.17	0.31	1.16	0.32	-0.10	809.60	447.24	447.34	809.51	-5.87
1	32	619	2.34	0.18	2.33	0.19	-0.14	714.53	564.94	565.33	714.15	-7.58
1	32	620	1.97	9.54e-02	1.97	0.10	-0.11	689.54	581.65	689.23	581.96	-5.77
1	32	621	1.28	3.57e-02	1.28	3.96e-02	-6.95e-02	831.69	409.77	831.68	409.78	-2.38
1	32	622	0.27	-6.06e-02	0.26	-4.72e-02	-6.52e-02	983.43	180.25	983.41	180.27	-4.32
1	32	623	-0.12	-6.10	-6.10	-0.13	9.77e-02	989.48	191.02	942.98	237.53	-187.00
1	32	624	-0.23	-4.81	-4.81	-0.24	7.98e-02	900.54	362.74	839.74	423.54	-170.30
1	32	625	-0.22	-2.86	-2.85	-0.22	-8.31e-02	818.65	516.39	690.21	644.83	-149.42
1	32	626	4.09e-03	-1.44	-1.37	-6.54e-02	-0.31	848.93	519.28	566.04	802.17	-115.02
1	32	627	1.24	1.70e-02	1.08	0.18	-0.42	911.73	483.08	498.99	895.82	-81.04
1	32	628	2.30	0.33	2.20	0.42	-0.42	943.63	437.31	442.49	938.45	-50.97
1	32	629	1.87	0.53	1.77	0.63	-0.35	946.82	381.19	382.06	945.95	-22.08
1	32	630	1.40	0.55	1.27	0.68	-0.31	927.21	367.50	367.58	927.12	6.83
1	32	631	0.95	0.34	0.70	0.59	-0.30	888.06	367.13	368.83	886.36	29.71
1	32	632	0.56	-0.13	2.85e-03	0.42	-0.27	828.97	397.54	405.24	821.27	57.11
1	32	633	2.44	0.22	2.41	0.25	-0.28	756.92	509.13	541.80	724.25	83.83
1	32	634	2.04	0.12	2.01	0.16	-0.24	735.96	512.95	660.97	587.94	105.36
1	32	635	1.27	8.26e-02	1.26	9.99e-02	-0.14	835.18	375.59	800.68	410.09	121.10
1	32	636	0.24	-2.14e-02	0.24	-1.32e-02	-4.60e-02	974.64	154.28	950.90	178.02	137.53
1	32	637	3.09e-02	-6.19	-6.18	2.26e-02	-0.23	990.62	38.12	797.48	231.26	-382.97
1	32	638	0.22	-4.85	-4.84	0.21	-0.21	943.91	190.71	706.10	428.52	-350.09
1	32	639	0.38	-2.78	-2.73	0.33	-0.39	929.67	318.00	575.13	672.54	-301.93
1	32	640	0.78	-1.48	-1.25	0.55	-0.69	958.39	359.40	470.79	847.00	-233.05
1	32	641	1.74	0.17	1.05	0.86	-0.78	987.60	381.22	424.68	944.15	-156.40
1	32	642	1.78	0.46	1.17	1.07	-0.66	997.42	353.41	367.52	983.31	-94.27



1	32	643	1.63	0.75	1.22	1.15	-0.44	987.84	331.79	334.06	985.57	-38.53
1	32	644	1.33	0.89	1.09	1.13	-0.22	964.85	321.17	321.53	964.49	15.20
1	32	645	0.96	0.56	0.58	0.95	-7.45e-02	929.63	309.21	316.08	922.76	64.93
1	32	646	0.69	-9.36e-03	-8.98e-03	0.69	1.64e-02	883.09	310.28	336.65	856.72	120.05
1	32	647	2.55	0.40	2.55	0.40	-8.32e-03	836.03	369.41	451.16	754.27	177.38
1	32	648	2.12	0.23	2.11	0.25	-0.17	803.91	347.73	548.43	603.21	226.44
1	32	649	1.19	0.24	1.16	0.27	-0.17	830.36	246.68	673.12	403.92	258.94
1	32	650	0.39	8.74e-02	0.37	0.12	8.98e-02	929.78	49.17	814.02	164.92	297.55
1	32	651	0.75	-6.49	-6.28	0.54	-1.22	938.28	-221.09	514.44	202.75	-558.34
1	32	652	1.68	-5.00	-5.00	1.68	-0.19	952.48	-68.12	451.24	433.12	-510.22
1	32	653	1.45	-2.43	-2.28	1.29	-0.77	1013.92	74.57	360.98	727.52	-432.44
1	32	654	2.18	-1.55	-1.08	1.71	-1.24	1055.07	175.39	304.51	925.96	-311.30
1	32	655	2.52	-0.35	0.19	1.98	-1.12	1073.67	235.41	288.60	1020.48	-204.34
1	32	656	2.46	0.45	0.89	2.02	-0.83	1068.30	259.16	277.49	1049.97	-120.39
1	32	657	2.14	0.55	0.71	1.97	-0.49	1048.14	255.08	257.99	1045.23	-47.97
1	32	658	1.91	0.84	0.85	1.89	-0.12	1022.46	252.92	253.46	1021.91	20.40
1	32	659	1.73	0.64	0.66	1.71	0.15	991.85	232.05	242.23	981.67	87.33
1	32	660	1.57	0.37	0.49	1.45	0.36	954.05	204.43	240.83	917.66	161.12
1	32	661	2.10	0.81	1.94	0.97	0.43	908.36	185.79	282.73	811.42	246.27
1	32	662	2.31	0.72	2.31	0.72	4.37e-02	852.33	127.85	342.58	637.59	330.85
1	32	663	1.03	0.51	0.79	0.75	-0.26	793.49	22.07	424.80	390.76	385.33
1	32	664	0.72	-0.32	0.27	0.13	0.51	802.94	-148.95	530.49	123.50	430.24
1	32	665	0.65	-9.94	-9.70	0.42	-1.56	660.06	-594.27	-30.09	95.88	-624.00
1	32	666	2.17	-2.64	-2.52	2.06	0.73	866.15	-382.79	54.07	429.30	-595.62
1	32	667	5.45	-2.64	-1.94	4.75	-2.27	1082.36	-200.26	42.45	839.65	-502.39
1	32	668	4.73	7.54e-02	0.60	4.21	-1.47	1148.98	14.56	122.45	1041.09	-332.79
1	32	669	3.91	-0.50	-0.16	3.56	-1.18	1157.83	96.37	139.89	1114.31	-210.48
1	32	670	3.38	-0.14	5.86e-02	3.18	-0.82	1142.32	150.42	165.43	1127.32	-121.08
1	32	671	2.99	0.41	0.50	2.91	-0.45	1115.52	178.91	181.33	1113.09	-47.64
1	32	672	2.77	0.53	0.54	2.77	-8.30e-02	1087.42	176.33	176.71	1087.03	18.73
1	32	673	2.69	0.27	0.29	2.67	0.23	1058.72	143.90	152.13	1050.48	86.41
1	32	674	2.77	7.59e-02	0.20	2.64	0.57	1024.54	85.75	116.03	994.25	165.86
1	32	675	2.81	-0.97	-0.73	2.57	0.91	965.98	-30.11	43.47	892.41	260.53
1	32	676	2.23	0.15	0.53	1.84	0.81	880.41	-163.84	3.99	712.58	383.52
1	32	677	3.13	0.63	0.63	3.13	-5.44e-02	694.43	-270.24	43.62	380.57	451.95
1	32	678	-3.85	-5.56	-5.00	-4.41	-0.81	429.02	-487.02	-37.35	-20.64	457.94
1	32	679	15.01	-17.07	15.01	-17.07	5.51e-02	204.97	-992.04	-627.62	-159.44	-550.83
1	32	680	11.46	-4.28	-2.87	10.05	4.49	724.42	-991.44	-587.62	320.61	-727.89
1	32	681	10.19	1.55	2.05	9.69	2.02	1159.39	-415.43	-266.06	1010.02	-461.44
1	32	682	6.14	2.56	2.65	6.06	-0.55	1218.74	-127.26	-71.32	1162.80	-268.65
1	32	683	5.03	0.82	0.96	4.89	-0.75	1225.41	7.49	29.19	1203.72	-161.09
1	32	684	4.22	7.25e-02	0.15	4.14	-0.56	1205.56	76.68	84.20	1198.03	-91.83
1	32	685	3.72	0.13	0.16	3.69	-0.35	1175.44	112.78	114.02	1174.20	-36.26
1	32	686	3.51	0.19	0.20	3.51	-0.12	1146.02	110.97	111.17	1145.82	14.34
1	32	687	3.54	0.27	0.27	3.53	7.23e-02	1117.54	77.98	82.09	1113.43	65.26
1	32	688	3.87	-0.75	-0.73	3.85	0.30	1083.20	-21.47	-6.78	1068.51	126.53
1	32	689	4.56	-0.89	-0.80	4.48	0.67	1023.99	-172.33	-134.22	985.89	210.09
1	32	690	4.88	-1.71	-1.58	4.75	0.91	891.90	-449.16	-344.41	787.15	359.86
1	32	691	-1.03	-7.38	-4.36	-4.05	-3.17	580.43	-841.66	-556.17	294.95	569.64
1	32	692	9.80	-7.07	9.65	-6.91	1.60	60.63	-699.02	-460.88	-177.51	352.40
1	32	693	-0.18	-4.96	-1.89	-3.25	-2.29	458.58	-641.19	-541.93	359.31	315.14
1	32	694	27.84	-36.97	27.72	-36.85	-2.76	891.83	-1552.46	-1550.47	889.84	-69.59
1	32	695	10.47	2.05	10.13	2.39	-1.65	1227.44	-545.17	-542.96	1225.23	-62.51
1	32	696	5.70	3.55	3.55	5.70	7.59e-02	1247.85	-197.60	-195.01	1245.26	-61.12
1	32	697	5.19	1.64	1.64	5.19	1.42e-02	1261.91	-28.64	-26.83	1260.09	-48.33
1	32	698	4.47	0.47	0.47	4.47	-9.31e-02	1246.39	48.14	49.09	1245.44	-33.82
1	32	699	4.00	4.13e-02	5.04e-02	3.99	-0.19	1217.46	81.28	81.55	1217.19	-17.47
1	32	700	3.82	6.38e-02	8.38e-02	3.80	-0.27	1187.56	80.25	80.25	1187.55	-2.26
1	32	701	3.91	-0.20	-0.17	3.87	-0.39	1157.22	37.47	37.61	1157.08	12.71
1	32	702	4.35	-0.83	-0.78	4.30	-0.49	1118.20	-63.51	-62.83	1117.52	28.24
1	32	703	5.16	-0.21	-0.18	5.13	-0.42	1046.27	-228.06	-226.43	1044.63	45.57
1	32	704	9.51	8.02	9.23	8.30	0.58	970.95	-448.34	-446.33	968.94	53.39
1	32	705	16.07	-2.52	16.07	-2.51	0.33	517.78	-1170.05	-1166.77	514.50	74.28
1	32	706	10.70	-6.72	10.21	-6.22	2.90	-214.27	-572.44	-552.93	-233.79	81.30
1	32	707	20.57	-28.32	20.41	-28.15	-2.85	745.14	-1345.96	-1332.25	731.44	168.75
1	32	708	9.00	2.31	9.00	2.31	-2.94e-02	1136.22	-429.60	-415.30	1121.92	148.97
1	32	709	5.00	2.35	2.43	4.91	0.46	1204.54	-132.77	-121.02	1192.79	124.80
1	32	710	4.67	0.99	1.13	4.53	0.71	1245.28	18.79	26.56	1237.51	97.31
1	32	711	4.16	0.56	0.73	3.99	0.77	1246.62	97.93	101.81	1242.74	66.63
1	32	712	3.83	0.24	0.41	3.66	0.76	1229.03	128.00	128.65	1228.38	26.72
1	32	713	3.70	0.21	0.35	3.56	0.70	1207.24	128.08	128.10	1207.22	-4.47
1	32	714	3.78	-1.20e-02	9.35e-02	3.67	0.62	1182.31	89.80	90.71	1181.40	-31.48
1	32	715	4.15	-6.09e-02	1.12e-02	4.08	0.55	1145.49	13.21	16.08	1142.63	-56.86
1	32	716	4.84	0.75	0.79	4.80	0.41	1075.35	-120.74	-114.85	1069.47	-83.69
1	32	717	8.26	6.50	8.11	6.65	0.48	991.09	-330.80	-323.08	983.37	-100.73
1	32	718	15.35	-4.21	15.11	-3.97	2.12	604.91	-957.24	-946.00	593.68	-132.01



1	32	719	12.48	-11.93	12.44	-11.90	-0.89	-228.19	-1001.11	-888.33	-340.97	272.86
1	32	720	15.36	-3.90	1.11	10.35	-8.45	603.30	-1005.70	-782.39	379.99	556.27
1	32	721	7.07	1.09	1.16	6.99	-0.67	1118.36	-461.74	-414.14	1070.76	270.09
1	32	722	5.62	2.42	2.55	5.49	0.63	1220.66	-138.05	-131.15	1213.76	96.57
1	32	723	4.81	1.60	1.66	4.74	0.45	1253.91	8.20	9.08	1253.03	33.18
1	32	724	4.16	0.58	0.59	4.16	0.14	1247.55	70.13	70.16	1247.52	5.93
1	32	725	3.76	0.16	0.17	3.76	-0.13	1222.62	95.80	95.85	1222.57	-7.83
1	32	726	3.62	8.93e-02	0.13	3.58	-0.39	1193.68	93.25	93.46	1193.47	-15.20
1	32	727	3.69	-0.47	-0.35	3.57	-0.70	1161.12	46.68	47.23	1160.57	-24.82
1	32	728	4.00	-0.86	-0.65	3.78	-0.99	1116.23	-39.94	-38.39	1114.68	-42.25
1	32	729	4.47	-1.12	-0.78	4.13	-1.34	1037.83	-194.96	-189.68	1032.55	-80.54
1	32	730	3.72	-3.49	-2.34	2.57	-2.64	846.90	-493.54	-460.36	813.72	-208.28
1	32	731	1.06	-6.90	-1.82	-4.02	3.83	465.81	-884.65	-754.50	335.66	-398.53
1	32	732	7.26	-3.82	6.84	-3.40	-2.11	-372.28	-752.81	-733.73	-391.36	-83.05
1	32	733	2.75	-10.32	-8.28	0.71	4.74	425.35	-569.78	-219.88	75.45	475.15
1	32	734	5.24	-3.11	-3.11	5.24	2.76e-02	693.06	-326.49	-68.18	434.75	443.44
1	32	735	5.83	-1.64	-1.41	5.60	1.31	1031.66	-181.35	-62.80	913.11	360.21
1	32	736	4.75	1.86	2.41	4.20	1.13	1167.16	34.83	70.33	1131.66	197.32
1	32	737	3.96	1.63	1.89	3.69	0.74	1217.35	110.79	119.51	1208.64	97.80
1	32	738	3.42	1.27	1.30	3.39	0.25	1223.79	143.69	145.22	1222.26	40.65
1	32	739	3.17	0.61	0.61	3.17	-0.12	1208.12	146.56	146.58	1208.10	4.25
1	32	740	3.10	0.25	0.34	3.01	-0.50	1180.86	137.37	137.92	1180.30	-23.98
1	32	741	3.11	-0.28	-3.58e-02	2.86	-0.88	1144.63	99.08	101.97	1141.74	-54.86
1	32	742	3.12	-0.74	-0.34	2.72	-1.17	1090.28	37.01	46.27	1081.01	-98.34
1	32	743	2.85	-1.12	-0.73	2.45	-1.19	996.52	-66.98	-40.53	970.08	-165.61
1	32	744	1.90	-0.51	-0.51	1.90	-7.14e-02	843.49	-207.44	-130.21	766.27	-274.21
1	32	745	5.62	-0.57	-0.53	5.58	-0.50	558.41	-269.96	-94.14	382.59	-338.72
1	32	746	-3.29	-5.57	-4.56	-4.30	-1.13	195.41	-431.31	-181.78	-54.12	-306.79
1	32	747	1.80	-6.08	-5.20	0.91	2.49	730.02	-102.02	416.33	211.67	403.24
1	32	748	2.96	-4.96	-4.75	2.75	1.27	783.06	36.79	351.52	468.33	368.54
1	32	749	2.41	-2.74	-2.52	2.19	1.03	943.05	131.29	268.45	805.89	304.18
1	32	750	3.04	0.80	1.54	2.29	1.06	1089.15	225.11	273.98	1040.28	199.59
1	32	751	2.91	1.63	2.09	2.45	0.62	1161.39	244.60	256.40	1149.59	103.34
1	32	752	2.52	1.56	1.58	2.50	0.13	1187.02	231.61	233.90	1184.73	46.72
1	32	753	2.49	1.06	1.08	2.46	-0.18	1180.53	212.27	212.31	1180.49	6.01
1	32	754	2.50	0.48	0.63	2.35	-0.53	1155.36	199.66	200.46	1154.56	-27.70
1	32	755	2.42	-6.19e-02	0.24	2.12	-0.81	1114.00	179.84	184.08	1109.76	-62.80
1	32	756	2.15	-0.52	-0.17	1.80	-0.91	1048.94	146.78	159.67	1036.05	-107.06
1	32	757	1.55	-1.02	-0.79	1.32	-0.72	945.65	111.43	146.12	910.96	-166.55
1	32	758	1.61	1.18	1.43	1.35	-0.21	800.45	139.58	235.40	704.63	-232.68
1	32	759	1.67	7.90e-02	0.17	1.57	-0.37	634.15	89.61	308.95	414.82	-267.07
1	32	760	2.16	-0.71	1.10	0.36	-1.39	592.49	-59.57	412.52	120.40	-291.48
1	32	761	0.39	-5.67	-5.56	0.28	0.81	780.49	158.77	686.03	253.23	223.17
1	32	762	0.90	-4.53	-4.38	0.75	0.87	748.40	324.97	596.05	477.33	203.22
1	32	763	1.35	-0.64	-0.37	1.08	0.68	851.68	429.73	513.15	768.25	168.05
1	32	764	2.45	1.18	2.29	1.34	0.42	1009.65	418.35	442.97	985.03	118.12
1	32	765	2.18	1.62	2.16	1.64	0.11	1111.58	356.35	362.56	1105.37	68.23
1	32	766	1.94	1.65	1.74	1.85	-0.13	1154.04	307.83	309.39	1152.48	36.36
1	32	767	2.03	1.15	1.26	1.92	-0.29	1155.07	268.54	268.64	1154.97	9.59
1	32	768	2.04	0.62	0.81	1.85	-0.48	1130.74	258.04	258.30	1130.49	-14.91
1	32	769	1.87	0.13	0.37	1.63	-0.60	1084.46	256.49	258.48	1082.47	-40.59
1	32	770	1.52	-0.33	-0.13	1.32	-0.57	1010.18	247.95	254.51	1003.62	-70.41
1	32	771	1.11	-1.01	-0.91	1.01	-0.45	894.84	269.75	287.31	877.27	-103.30
1	32	772	1.69	0.83	1.67	0.85	-0.13	738.06	384.15	434.26	687.94	-123.39
1	32	773	1.07	0.65	0.99	0.73	-0.17	645.49	355.89	556.51	444.87	-133.61
1	32	774	1.08	-0.13	0.75	0.20	-0.53	744.35	130.52	703.13	171.74	-153.64
1	32	775	3.87e-02	-5.67	-5.67	3.87e-02	2.42e-03	757.46	256.00	756.75	256.71	-18.83
1	32	776	0.37	-4.35	-4.35	0.37	0.11	662.93	477.17	660.73	479.37	-20.09
1	32	777	1.80	0.69	1.80	0.70	-5.95e-02	762.64	613.74	613.82	762.56	-3.45
1	32	778	2.30	0.95	2.22	1.04	-0.33	972.35	494.60	494.97	971.98	13.26
1	32	779	2.30	1.18	2.09	1.38	-0.43	1090.46	408.30	408.45	1090.32	9.87
1	32	780	2.09	1.24	1.72	1.61	-0.42	1138.40	342.58	342.67	1138.31	8.36
1	32	781	1.95	1.03	1.28	1.69	-0.41	1142.20	305.88	305.89	1142.19	3.55
1	32	782	1.83	0.64	0.83	1.65	-0.43	1118.55	295.08	295.10	1118.53	-4.04
1	32	783	1.59	0.24	0.37	1.47	-0.39	1071.27	293.59	293.79	1071.06	-12.73
1	32	784	1.27	-0.22	-0.17	1.22	-0.27	993.79	302.88	303.44	993.23	-19.62
1	32	785	0.95	-0.93	-0.91	0.93	-0.18	870.76	345.37	346.03	870.09	-18.62
1	32	786	0.70	-8.48e-02	-8.37e-02	0.70	-2.96e-02	690.00	461.96	463.16	688.80	-16.52
1	32	787	1.26	0.46	1.26	0.46	-3.62e-03	633.40	452.11	630.63	454.88	-22.23
1	32	788	0.53	7.53e-03	0.50	3.90e-02	-0.12	781.78	179.95	780.65	181.08	-26.07
1	32	789	0.32	-5.68	-5.58	0.22	-0.76	713.58	150.58	630.08	234.09	-200.10
1	32	790	1.19	-4.26	-4.22	1.15	-0.46	707.70	325.56	556.27	476.98	-186.91
1	32	791	2.22	0.57	1.78	1.01	-0.74	854.25	466.65	534.15	786.75	-146.99
1	32	792	2.75	0.80	2.12	1.43	-0.91	1012.30	440.87	452.95	1000.22	-82.19
1	32	793	2.61	0.98	1.88	1.70	-0.81	1108.74	392.71	395.28	1106.16	-42.84
1	32	794	2.33	1.01	1.53	1.80	-0.65	1145.27	351.25	351.80	1144.72	-20.97



1	32	795	2.07	0.87	1.14	1.80	-0.51	1145.12	318.28	318.36	1145.04	-8.11
1	32	796	1.88	0.63	0.78	1.72	-0.41	1121.69	306.72	306.72	1121.69	0.37
1	32	797	1.64	0.20	0.25	1.59	-0.26	1077.78	296.04	296.15	1077.67	9.38
1	32	798	1.45	-0.28	-0.28	1.45	-1.60e-02	1006.93	302.29	303.22	1006.01	25.54
1	32	799	1.18	-0.92	-0.91	1.16	0.07	894.84	317.49	323.16	889.17	56.90
1	32	800	1.01	-0.15	-9.43e-02	0.95	0.24	735.12	374.24	403.67	705.69	98.76
1	32	801	1.27	0.63	1.17	0.73	0.23	626.23	360.55	538.02	448.77	125.12
1	32	802	0.62	-5.44e-02	0.53	3.48e-02	0.23	696.05	122.28	660.48	157.85	138.37
1	32	803	0.68	-4.47	-4.05	0.25	-1.41	511.62	-111.81	246.04	153.77	-308.28
1	32	804	2.29	-3.33	-3.03	1.98	-1.27	686.72	47.69	282.30	452.11	-308.03
1	32	805	3.72	0.81	1.64	2.88	-1.32	945.79	254.80	336.83	863.76	-223.50
1	32	806	3.74	0.86	1.75	2.85	-1.34	1081.03	329.73	349.38	1061.39	-119.89
1	32	807	3.12	0.93	1.48	2.57	-0.95	1145.65	337.35	343.29	1139.71	-69.00
1	32	808	2.66	0.89	1.24	2.30	-0.71	1166.36	324.66	326.32	1164.69	-37.38
1	32	809	2.30	0.59	0.79	2.10	-0.55	1159.98	305.13	305.39	1159.72	-14.95
1	32	810	2.11	0.54	0.66	1.98	-0.42	1136.26	296.59	296.60	1136.25	3.35
1	32	811	1.96	0.27	0.31	1.92	-0.25	1097.42	284.27	284.89	1096.80	22.36
1	32	812	1.95	-0.51	-0.51	1.95	5.60e-02	1037.83	264.18	267.30	1034.70	49.08
1	32	813	2.19	0.13	0.24	2.08	0.46	942.88	260.44	273.10	930.22	92.09
1	32	814	1.58	-1.14	-1.04	1.48	0.52	797.01	177.80	223.06	751.75	161.17
1	32	815	3.94	7.91e-02	0.79	3.23	1.50	619.43	116.25	289.02	446.66	238.92
1	32	816	-1.01	-2.11	-1.84	-1.28	-0.47	407.89	-58.39	291.31	58.19	201.91
1	32	817	12.26	-5.67	11.49	-4.90	3.64	-92.87	-528.55	-392.35	-229.08	-201.96
1	32	818	5.83	-2.70	-0.23	3.36	3.87	703.12	-361.37	-181.61	523.36	-398.80
1	32	819	6.69	0.12	0.88	5.93	-2.10	1024.55	86.56	122.40	988.71	-179.82
1	32	820	4.65	0.73	0.88	4.50	-0.77	1119.01	238.50	248.83	1108.68	-94.85
1	32	821	3.56	1.00	1.11	3.45	-0.52	1175.34	283.83	288.58	1170.59	-64.89
1	32	822	2.90	0.54	0.68	2.76	-0.56	1189.09	284.54	286.18	1187.46	-38.43
1	32	823	2.54	0.36	0.49	2.41	-0.52	1179.18	278.15	278.43	1178.89	-16.13
1	32	824	2.37	0.40	0.52	2.24	-0.48	1155.38	273.76	273.78	1155.37	3.47
1	32	825	2.32	0.33	0.42	2.23	-0.41	1119.65	261.24	261.93	1118.96	24.24
1	32	826	2.45	-0.30	-0.29	2.45	-0.14	1066.13	231.24	233.91	1063.46	47.14
1	32	827	2.98	-1.65	-1.64	2.96	0.24	980.89	163.62	172.58	971.92	85.12
1	32	828	4.62	-1.68	-0.65	3.59	2.33	827.06	58.15	90.50	794.71	154.35
1	32	829	-1.89	-4.05	-1.96	-3.98	-0.38	570.46	-245.76	-129.21	453.91	285.56
1	32	830	5.23	7.13e-02	4.96	0.35	-1.16	-218.03	-327.29	-268.24	-277.08	54.45
1	32	831	28.24	-14.05	28.23	-14.04	-0.63	875.45	-210.12	-204.69	870.01	-76.63
1	32	832	9.58	-1.69	-1.34	9.23	1.96	1069.85	60.83	63.67	1067.01	-53.45
1	32	833	5.02	0.93	0.96	4.99	0.32	1132.43	211.75	217.55	1126.64	-72.80
1	32	834	3.47	0.62	0.62	3.47	4.24e-02	1183.78	254.41	257.19	1180.99	-50.81
1	32	835	2.90	0.29	0.32	2.86	-0.30	1200.37	260.75	262.34	1198.79	-38.54
1	32	836	2.62	0.36	0.47	2.51	-0.49	1190.21	262.82	263.06	1189.97	-15.05
1	32	837	2.45	0.39	0.50	2.34	-0.46	1166.56	258.49	258.50	1166.55	3.55
1	32	838	2.36	0.36	0.41	2.31	-0.30	1130.66	245.26	245.65	1130.28	18.44
1	32	839	2.53	0.22	0.22	2.53	-8.23e-02	1077.68	221.56	223.80	1075.44	43.66
1	32	840	3.01	-1.05	-1.05	3.01	-2.16e-02	987.64	147.31	152.20	982.75	63.91
1	32	841	7.86	1.21	1.47	7.60	-1.28	877.79	88.15	92.74	873.19	60.05
1	32	842	10.41	8.58	9.92	9.06	-0.81	529.77	-130.37	-120.51	519.91	80.07
1	32	843	5.51	-6.66	-1.77	0.61	-5.97	-302.15	-390.30	-369.71	-322.74	37.30
1	32	844	10.80	-2.79	5.46	2.55	-6.64	701.84	-287.61	-221.68	635.91	246.75
1	32	845	5.26	-2.14	6.54e-02	3.06	3.38	990.64	52.70	53.37	989.97	25.10
1	32	846	4.85	0.46	0.98	4.33	1.42	1121.84	208.83	210.72	1119.96	-41.44
1	32	847	3.68	0.39	0.57	3.50	0.73	1187.19	242.09	243.57	1185.71	-37.37
1	32	848	2.95	0.61	0.66	2.89	0.35	1206.08	255.00	256.37	1204.71	-36.08
1	32	849	2.56	0.48	0.48	2.55	0.10	1196.91	251.71	251.86	1196.75	-12.16
1	32	850	2.39	0.51	0.51	2.39	7.37e-02	1173.51	247.52	247.56	1173.48	5.71
1	32	851	2.37	0.19	0.20	2.36	0.15	1137.70	228.94	229.70	1136.94	26.29
1	32	852	2.54	-0.22	-0.22	2.54	6.84e-02	1082.13	201.39	203.33	1080.19	41.24
1	32	853	3.07	-1.55	-1.51	3.04	-0.40	987.00	134.01	135.96	985.05	40.74
1	32	854	4.11	-2.29	-0.58	2.40	-2.83	801.32	43.09	43.10	801.31	-3.28
1	32	855	0.96	-2.83	0.96	-2.83	7.98e-02	516.15	-228.12	-212.34	500.37	-107.23
1	32	856	2.85	-3.51	-2.74	2.08	2.08	-228.39	-487.03	-318.01	-397.41	123.08
1	32	857	3.05	-6.70	-5.09	1.44	3.62	280.57	30.03	160.22	150.38	125.17
1	32	858	4.64	-2.78	-2.64	4.50	1.00	502.08	126.90	192.44	436.54	142.45
1	32	859	3.10	-3.74e-02	7.29e-02	2.99	0.58	890.41	163.16	168.08	885.49	59.62
1	32	860	3.87	0.78	1.73	2.91	1.43	1095.42	225.86	226.20	1095.08	-17.12
1	32	861	3.57	0.77	1.43	2.92	1.18	1184.62	236.69	237.43	1183.88	-26.43
1	32	862	3.15	0.73	1.13	2.74	0.90	1215.19	236.38	236.87	1214.70	-21.86
1	32	863	2.82	0.45	0.70	2.57	0.73	1211.78	226.71	226.79	1211.70	-8.81
1	32	864	2.59	0.39	0.56	2.43	0.57	1188.73	218.79	218.84	1188.68	7.13
1	32	865	2.38	7.82e-02	0.14	2.32	0.37	1149.21	198.08	198.62	1148.68	22.59
1	32	866	2.28	-0.28	-0.27	2.28	5.64e-02	1083.82	173.77	174.90	1082.69	32.11
1	32	867	2.40	-0.28	-0.16	2.28	-0.55	969.22	149.72	150.04	968.90	16.20
1	32	868	1.65	-0.35	-0.29	1.59	-0.33	772.77	103.53	104.48	771.82	-25.18
1	32	869	4.61	0.57	0.79	4.39	-0.92	462.26	129.25	154.05	437.45	-87.43
1	32	870	0.22	-4.08	-3.68	-0.19	-1.25	153.01	37.94	151.15	39.81	-14.53



1	32	871	1.31	-3.13	-2.68	0.87	1.34	418.10	220.33	417.67	220.75	9.20
1	32	872	2.51	-3.58	-3.41	2.34	1.00	471.57	328.11	329.19	470.49	12.40
1	32	873	2.27	-1.86	-1.75	2.16	0.66	814.50	242.33	242.59	814.24	-12.25
1	32	874	2.92	1.23	1.89	2.26	0.82	1062.65	245.07	246.77	1060.94	-37.26
1	32	875	3.13	1.03	1.65	2.51	0.96	1182.67	221.17	222.42	1181.42	-34.67
1	32	876	3.02	0.89	1.28	2.63	0.82	1224.47	210.11	210.68	1223.90	-24.10
1	32	877	2.87	0.65	0.92	2.60	0.73	1224.86	198.31	198.39	1224.78	-9.14
1	32	878	2.68	0.41	0.61	2.49	0.64	1202.42	189.25	189.30	1202.37	7.11
1	32	879	2.41	0.21	0.33	2.30	0.49	1160.16	171.15	171.72	1159.58	23.89
1	32	880	2.07	-2.23e-03	3.19e-02	2.04	0.26	1086.83	154.07	155.64	1085.25	38.36
1	32	881	1.67	-0.51	-0.50	1.66	-0.14	957.36	142.53	145.21	954.68	46.70
1	32	882	1.90	0.91	1.17	1.64	-0.44	742.12	214.80	217.86	739.05	40.06
1	32	883	1.88	0.18	0.34	1.71	-0.50	444.21	284.36	289.57	439.00	28.40
1	32	884	0.60	-1.46	-1.36	0.51	-0.43	357.56	126.24	350.43	133.36	39.98
1	32	885	0.96	-3.37	-3.21	0.81	-0.80	446.10	99.85	339.80	206.14	-159.71
1	32	886	2.33	-3.52	-3.50	2.31	0.39	526.37	191.40	261.95	455.82	-136.58
1	32	887	2.17	-1.53	-1.50	2.14	0.33	832.30	156.31	180.49	808.12	-125.54
1	32	888	2.58	1.74	1.92	2.40	0.35	1072.44	184.55	191.38	1065.60	-77.59
1	32	889	2.94	1.43	1.68	2.69	0.56	1195.70	174.90	176.46	1194.14	-39.86
1	32	890	3.03	1.05	1.27	2.81	0.62	1237.83	172.90	173.10	1237.62	-14.67
1	32	891	3.03	0.68	0.90	2.81	0.68	1238.56	165.66	165.74	1238.49	-8.83
1	32	892	2.92	0.39	0.61	2.70	0.72	1216.31	157.86	157.90	1216.26	7.11
1	32	893	2.70	0.18	0.40	2.48	0.71	1175.36	136.43	137.62	1174.17	35.06
1	32	894	2.34	1.50e-02	0.20	2.15	0.64	1104.14	111.37	114.92	1100.59	59.27
1	32	895	1.72	-0.25	-0.17	1.64	0.38	978.25	87.71	97.23	968.73	91.59
1	32	896	1.56	0.97	1.05	1.47	-0.21	772.79	129.53	158.57	743.75	133.54
1	32	897	1.56	-0.33	-0.27	1.50	-0.33	514.57	147.14	228.89	432.82	152.81
1	32	898	0.57	-2.16	-1.98	0.38	0.69	373.13	36.82	284.90	125.05	147.95
1	32	899	1.03	-7.63	-6.83	0.23	-2.51	275.15	-265.46	-82.47	92.16	-255.81
1	32	900	3.15	-2.95	-2.76	2.96	1.06	526.10	-142.81	-32.09	415.39	-248.60
1	32	901	4.13	-1.46	-1.40	4.06	-0.61	909.40	-83.96	-39.56	865.00	-205.26
1	32	902	3.65	1.77	1.78	3.65	8.46e-02	1124.45	51.36	59.64	1116.17	-93.87
1	32	903	3.43	1.46	1.50	3.39	0.29	1222.99	100.26	101.38	1221.87	-35.43
1	32	904	3.38	1.00	1.10	3.28	0.48	1254.21	127.93	127.94	1254.20	-3.20
1	32	905	3.34	0.59	0.76	3.17	0.65	1249.39	136.22	136.39	1249.22	13.90
1	32	906	3.28	0.28	0.50	3.06	0.78	1227.45	128.23	128.74	1226.94	23.67
1	32	907	3.20	4.58e-02	0.32	2.93	0.89	1191.23	100.38	101.41	1190.19	33.64
1	32	908	3.09	-0.13	0.20	2.75	0.98	1130.78	54.55	57.16	1128.17	52.93
1	32	909	7.28	0.20	0.63	6.84	1.70	544.71	-851.94	-585.84	278.61	548.48
1	32	910	-1.63	-5.46	-1.91	-5.18	-1.00	-39.76	-1014.89	-812.92	-241.73	395.17
1	32	911	-2.91	-24.89	-15.66	-12.14	10.85	463.64	-403.74	-368.04	427.94	172.31
1	32	912	15.51	-39.96	15.46	-39.91	1.62	1240.16	-1301.90	-1301.81	1240.07	15.13
1	32	913	-0.44	-12.46	-1.99	-10.91	-4.03	978.12	-1805.99	-1805.71	977.84	-27.99
1	32	914	0.43	-15.78	-5.92	-9.42	-7.91	957.05	-1865.11	-1864.34	956.27	-46.83
1	32	915	4.06	-24.11	2.43	-22.48	-6.57	660.24	-402.50	-402.46	660.21	-6.43
1	32	916	-0.52	-7.79	-3.61	-4.70	3.59	777.30	-1635.59	-1634.24	775.95	57.04
1	32	917	12.81	9.26	9.36	12.71	-0.58	211.35	-87.06	147.84	-23.55	-122.14
1	32	918	-9.06e-02	-4.89	-3.32	-1.66	-2.25	775.01	-122.46	749.90	-97.36	-148.00
1	32	919	-0.51	-3.83	-3.81	-0.52	0.20	1020.66	-67.81	1014.09	-61.25	-84.27
1	32	920	-7.40e-02	-3.14	-3.14	-7.47e-02	4.71e-02	1125.22	-53.75	1124.36	-52.89	-31.81
1	32	921	7.65e-02	-2.83	-2.83	7.54e-02	-5.55e-02	1134.55	-51.76	1133.62	-50.83	33.15
1	32	922	6.78e-02	-2.72	-2.72	6.30e-02	-0.12	1057.83	-55.46	1055.53	-53.16	50.60
1	32	923	9.18e-03	-2.78	-2.76	-8.50e-03	-0.22	886.09	-69.45	875.61	-58.98	99.51
1	32	924	-0.34	-2.45	-2.37	-0.43	-0.41	591.51	-100.29	564.18	-72.96	134.76
1	32	925	-1.20	-3.32	-3.11	-1.41	-0.63	132.64	-175.25	42.83	-85.44	139.95
1	32	926	28.10	9.35	18.64	18.81	-9.37	111.04	-2370.05	-2356.63	97.63	-181.93
1	32	927	17.72	-24.51	11.07	-17.85	-15.39	-439.59	-960.15	-959.85	-439.89	12.49
1	32	928	29.05	-3.86	17.94	7.26	15.56	-297.61	-2140.36	-2107.97	-330.00	242.17
1	32	929	5.87	-5.82	-1.93	1.99	-5.51	-7.27	-655.20	-574.26	-88.22	-214.23
1	32	930	-0.59	-3.24	-3.23	-0.59	0.12	197.54	-139.48	136.91	-78.84	-129.46
1	32	931	-0.29	-2.35	-2.33	-0.31	0.20	654.08	-86.80	637.25	-69.98	-110.38
1	32	932	-1.70e-03	-2.63	-2.63	-4.84e-03	9.08e-02	884.97	-64.78	879.77	-59.57	-70.14
1	32	933	3.90e-02	-2.50	-2.50	3.88e-02	2.46e-02	994.13	-55.26	993.68	-54.81	-21.75
1	32	934	3.31e-02	-2.35	-2.35	3.28e-02	-2.65e-02	1000.38	-53.72	1000.26	-53.60	11.35
1	32	935	-1.84e-02	-2.15	-2.14	-2.57e-02	-0.12	908.86	-61.08	903.59	-55.81	71.29
1	32	936	-0.31	-1.66	-1.59	-0.37	-0.28	700.12	-81.38	683.58	-64.84	112.50
1	32	937	-1.20	-3.20	-3.08	-1.32	-0.47	304.24	-121.22	258.48	-75.46	131.82
1	32	938	-1.77	-6.74	-4.78	-3.72	2.43	-96.98	-579.44	-517.69	-158.72	161.18
1	32	939	22.19	7.92	13.16	16.95	-6.88	96.33	-1758.55	-1754.83	92.61	-82.95
1	32	940	22.15	-1.17	13.46	7.51	11.28	-226.44	-1536.97	-1515.76	-247.64	165.36
1	32	941	4.27	-5.16	-2.21	1.32	-4.38	13.19	-322.01	-227.05	-81.77	-151.04
1	32	942	-0.52	-3.70	-3.70	-0.52	1.18e-02	375.24	-82.44	363.61	-70.80	-72.03
1	32	943	-0.25	-2.32	-2.32	-0.26	0.12	743.65	-67.08	742.19	-65.62	-34.39
1	32	944	-5.05e-02	-2.51	-2.51	-5.10e-02	3.55e-02	863.23	-61.62	862.67	-61.05	22.79
1	32	945	-0.19	-2.08	-2.08	-0.20	-6.96e-02	812.56	-63.59	811.38	-62.41	32.13
1	32	946	-0.16	-3.66	-3.66	-0.16	2.42e-02	514.19	-78.15	501.40	-65.36	86.10



1	32	947	5.23	-4.50	-3.03	3.76	3.48	169.46	-180.25	5.73	-16.52	174.50
1	32	948	12.44	-21.07	5.31	-13.94	-13.71	-530.97	-941.54	-897.10	-575.41	-127.56
1	32	949	4.64	-1.88	-0.29	3.05	2.80	75.45	-183.72	-81.95	-26.32	126.56
1	32	950	23.31	-6.58	16.76	-2.44e-02	12.37	-325.59	-1375.42	-1359.39	-341.62	128.72
1	32	951	5.53	-4.04	-0.38	1.87	-4.65	103.82	-381.71	-230.51	-47.38	-224.84
1	32	952	-0.74	-2.19	-2.19	-0.75	7.42e-02	412.37	-101.46	369.72	-58.81	-141.76
1	32	953	-6.51e-02	-0.46	-0.21	-0.32	0.19	821.00	-63.59	809.41	-51.99	-100.59
1	32	954	-3.50e-02	-0.91	-0.90	-4.18e-02	7.71e-02	989.78	-49.23	987.39	-46.85	-49.70
1	32	955	3.64e-03	-1.13	-1.13	3.46e-03	1.40e-02	1052.82	-45.49	1052.68	-45.35	12.39
1	32	956	-7.72e-03	-1.20	-1.20	-7.92e-03	-1.54e-02	1020.51	-48.25	1018.62	-46.36	44.90
1	32	957	-0.17	-0.93	-0.92	-0.19	-9.57e-02	887.23	-61.80	876.40	-50.97	100.80
1	32	958	-0.23	-3.59	-3.59	-0.23	-1.92e-04	532.29	-92.62	496.74	-57.07	144.75
1	32	959	5.25	-5.43	-3.82	3.64	3.82	207.91	-254.85	-32.61	-14.34	231.20
1	32	960	13.19	-20.35	6.47	-13.63	-13.42	-534.25	-928.16	-910.36	-552.05	-81.83
1	32	961	12.64	-19.21	5.87	-12.44	-13.03	-406.65	-1083.19	-1030.47	-459.36	-181.33
1	32	962	21.34	-9.16	14.51	-2.32	12.71	-342.14	-1373.19	-1342.63	-372.70	174.85
1	32	963	5.58	-3.13	7.24e-02	2.37	-4.20	67.22	-317.46	-210.70	-39.54	-172.25
1	32	964	-0.62	-2.20	-2.20	-0.62	-5.14e-02	386.19	-80.10	368.17	-62.08	-89.86
1	32	965	-0.31	-0.48	-0.45	-0.34	6.74e-02	772.87	-62.05	770.57	-59.75	-43.77
1	32	966	-0.20	-1.30	-1.29	-0.20	-6.65e-02	845.62	-59.51	845.19	-59.08	-19.71
1	32	967	-0.66	-4.34	-4.34	-0.66	-0.16	653.57	-67.95	651.15	-65.53	41.70
1	32	968	-1.21	-7.19	-6.73	-1.67	1.59	265.16	-126.03	237.91	-98.78	99.58
1	32	969	10.14	-2.62	0.84	6.68	-5.67	-78.01	-546.66	-546.19	-78.48	-14.74
1	32	970	14.13	9.32	9.67	13.78	-1.26	64.71	-611.48	-610.81	64.03	21.31
1	32	971	0.26	-3.34	-1.54	-1.54	-1.80	101.45	-109.26	101.28	-109.09	-5.99
1	32	972	-0.85	-4.44	-4.44	-0.85	3.28e-02	343.69	-68.69	340.83	-65.83	34.21
1	32	973	-0.44	-4.02	-4.00	-0.46	0.28	286.63	-76.58	275.18	-65.12	63.48
1	32	974	-1.08	-6.95	-4.47	-3.55	2.90	-143.17	-912.79	-873.45	-182.52	169.50
1	32	975	10.00	-31.23	-25.15	3.93	-14.62	111.26	-495.72	-481.42	96.96	-92.05
1	32	976	5.21	-9.24	-2.55	-1.48	7.20	270.54	-797.88	-797.81	270.46	-9.08
1	32	977	15.59	-7.44	-4.48	12.63	7.71	482.73	-2341.24	-2340.94	482.43	29.05
1	32	978	21.33	5.51	21.31	5.53	-0.48	390.99	-1800.32	-1800.16	390.83	-18.84
1	32	979	34.07	15.22	33.88	15.41	-1.86	404.95	-2501.76	-2501.75	404.94	-5.65
1	32	980	13.80	-4.39	-3.87	13.28	3.03	461.26	-2343.53	-2343.22	460.95	29.43
1	32	981	9.38	-5.33	-4.43	8.49	-3.52	498.89	-1870.56	-1869.45	497.77	-51.44
1	32	982	3.13	-10.57	-2.84	-4.59	-6.79	267.11	-275.29	95.29	-103.47	252.33
1	32	983	3.19	-4.04	-2.36	1.50	3.06	958.62	-105.62	855.57	-2.57	314.73
1	32	984	-0.63	-6.31	-6.31	-0.63	0.13	1221.68	-40.89	1188.60	-7.82	201.67
1	32	985	-0.26	-5.96	-5.96	-0.26	-7.70e-02	1326.95	-13.32	1319.71	-6.09	98.20
1	32	986	-0.21	-5.57	-5.57	-0.21	-5.19e-02	1331.73	-7.36	1331.68	-7.31	8.17
1	32	987	-0.19	-5.38	-5.38	-0.19	-2.27e-02	1258.42	-20.34	1245.74	-7.66	-126.70
1	32	988	-0.22	-5.26	-5.26	-0.22	-4.69e-02	1092.77	-53.48	1046.43	-7.14	-225.76
1	32	989	-0.20	-5.14	-5.12	-0.22	-0.32	809.99	-134.15	680.19	-4.34	-325.13
1	32	990	0.76	-2.39	-1.26	-0.36	-1.51	432.67	-399.86	47.26	-14.45	-415.12
1	32	991	14.86	-0.23	11.94	2.69	-5.96	206.24	-1253.62	-1096.34	48.96	-452.63
1	32	992	31.27	-29.19	13.75	-11.67	27.43	-405.63	-2968.60	-2958.57	-415.67	160.09
1	32	993	30.42	-46.04	13.31	-28.92	-31.87	-650.59	-2697.93	-2675.82	-672.70	-211.62
1	32	994	18.27	2.39	11.71	8.94	7.82	354.11	-916.81	-667.13	104.43	504.96
1	32	995	0.46	-3.33	-2.77	-9.49e-02	1.34	564.00	-270.58	293.52	-0.10	390.61
1	32	996	-0.19	-5.88	-5.87	-0.20	0.19	842.82	-100.34	745.23	-2.75	287.27
1	32	997	-0.22	-5.86	-5.86	-0.22	8.51e-03	1052.27	-38.62	1020.94	-7.29	182.21
1	32	998	-0.17	-5.91	-5.91	-0.17	2.61e-03	1141.61	-14.53	1136.23	-9.15	78.68
1	32	999	-0.16	-5.84	-5.84	-0.16	1.81e-02	1137.33	-11.44	1135.89	-10.00	-40.62
1	32	1000	-0.19	-5.92	-5.92	-0.19	-6.34e-03	1033.00	-26.33	1016.97	-10.30	-129.32
1	32	1001	-0.22	-5.84	-5.84	-0.22	-0.21	811.68	-71.45	749.87	-9.65	-225.31
1	32	1002	0.11	-2.48	-1.91	-0.47	-1.08	469.60	-217.52	272.02	-19.94	-311.00
1	32	1003	11.17	-1.28	9.06	0.83	-4.67	163.62	-789.63	-634.30	8.29	-352.05
1	32	1004	23.91	-18.25	9.94	-4.27	19.85	-264.64	-2159.10	-2156.35	-267.38	72.05
1	32	1005	23.49	-29.94	10.80	-17.24	-22.74	-466.40	-1906.64	-1891.45	-481.58	-147.12
1	32	1006	13.24	1.19	8.47	5.97	5.89	284.37	-476.90	-250.56	58.03	347.96
1	32	1007	9.21e-03	-4.10	-3.84	-0.25	0.99	591.13	-108.67	492.03	-9.57	243.99
1	32	1008	-0.25	-7.62	-7.62	-0.25	0.19	825.70	-36.28	801.15	-11.72	143.39
1	32	1009	-0.24	-8.02	-8.02	-0.24	6.09e-02	934.60	-16.56	932.49	-14.45	44.75
1	32	1010	-0.20	-8.20	-8.20	-0.20	-9.44e-02	879.72	-28.85	867.88	-17.01	-103.03
1	32	1011	0.40	-4.58	-4.42	0.24	-0.87	704.94	-65.46	652.62	-13.14	-193.83
1	32	1012	13.38	1.96	7.74	7.59	-5.71	374.78	-258.58	74.14	42.06	-316.27
1	32	1013	14.53	-40.16	6.71	-32.34	19.14	-573.16	-1166.53	-1162.29	-577.40	50.01
1	32	1014	13.69	-29.69	6.33	-22.32	16.29	-427.28	-1171.16	-1138.22	-460.23	153.05
1	32	1015	27.67	-27.67	19.11	-19.11	-20.01	-458.52	-1662.75	-1660.72	-460.55	-49.36
1	32	1016	18.03	1.86	13.79	6.10	7.11	368.72	-446.68	-123.81	45.85	398.78
1	32	1017	0.36	-3.03	-2.61	-6.26e-02	1.12	661.59	-134.89	538.38	-11.67	288.03
1	32	1018	-0.19	-7.81	-7.81	-0.20	0.19	858.26	-58.33	813.32	-13.39	197.91
1	32	1019	-0.18	-8.00	-8.00	-0.18	3.31e-02	1015.75	-26.20	1004.37	-14.82	108.28
1	32	1020	-0.14	-8.17	-8.17	-0.14	4.90e-02	1071.32	-15.84	1070.84	-15.35	22.98
1	32	1021	-0.16	-8.42	-8.42	-0.16	6.81e-02	1039.17	-23.83	1031.09	-15.75	-92.35
1	32	1022	-0.20	-8.73	-8.73	-0.20	-4.69e-02	909.61	-52.69	874.90	-17.98	-179.43



1	32	1023	0.34	-4.56	-4.43	0.21	-0.79	738.27	-108.62	643.97	-14.33	-266.39
1	32	1024	13.79	1.90	8.19	7.49	-5.93	435.65	-333.12	61.05	41.48	-384.26
1	32	1025	15.25	-39.52	7.48	-31.76	19.11	-583.08	-1180.50	-1180.47	-583.11	-4.21
1	32	1026	26.95	-26.04	19.10	-18.20	-18.82	-446.23	-1640.39	-1629.89	-456.73	-111.47
1	32	1027	17.41	2.09	13.63	5.87	6.61	289.30	-343.10	-95.57	41.77	308.65
1	32	1028	0.41	-3.26	-2.86	1.29e-02	1.14	610.52	-78.60	547.07	-15.15	199.24
1	32	1029	-0.20	-8.32	-8.32	-0.21	0.21	778.73	-31.71	765.03	-18.01	104.47
1	32	1030	-0.28	-8.43	-8.43	-0.28	-1.42e-02	842.28	-21.80	841.53	-21.06	-25.40
1	32	1031	-0.36	-4.95	-4.92	-0.39	-0.34	767.55	-40.32	753.12	-25.89	-107.00
1	32	1032	3.34	-1.28	1.38	0.68	-2.28	383.90	-108.59	301.01	-25.70	-184.27
1	32	1033	7.80	-16.79	-2.47	-6.52	12.13	-190.82	-734.87	-734.28	-191.41	17.96
1	32	1034	13.24	4.17	11.40	6.02	-3.66	-85.97	-720.60	-720.10	-86.48	-17.89
1	32	1035	7.92	-0.71	6.69	0.52	3.01	218.73	-46.36	190.62	-18.26	81.61
1	32	1036	-0.38	-3.35	-3.24	-0.49	0.56	498.99	-26.58	497.90	-25.50	23.86
1	32	1037	0.20	-3.54	-3.46	0.12	-0.54	421.55	-32.70	410.05	-21.20	-71.35
1	32	1038	10.00	1.29	6.35	4.94	-4.30	178.13	-188.42	-25.61	15.32	-182.13
1	32	1039	8.82	3.27	3.35	8.73	-0.68	237.23	-347.87	131.56	-242.20	225.08
1	32	1040	8.54	-4.96	0.92	2.66	6.69	237.13	-401.55	149.37	-313.80	-219.88
1	32	1041	34.68	7.59	14.10	28.17	11.57	431.74	-39.65	180.72	211.37	235.20
1	32	1042	11.37	-1.18	-0.50	10.70	2.83	1075.27	-81.05	-31.74	1025.96	233.64
1	32	1043	4.34	-0.68	-0.68	4.34	-5.85e-03	1285.71	-37.70	-7.77	1255.78	196.76
1	32	1044	3.85	-0.17	-0.17	3.85	-6.34e-02	1342.26	-17.83	-3.72	1328.16	137.78
1	32	1045	3.47	-9.16e-02	-9.13e-02	3.47	3.53e-02	1334.50	-9.77	-5.34	1330.07	77.04
1	32	1046	3.07	-6.74e-02	-6.58e-02	3.06	7.14e-02	1303.99	-7.56	-6.97	1303.40	27.82
1	32	1047	2.75	-6.31e-02	-5.97e-02	2.75	9.79e-02	1263.85	-9.39	-9.08	1263.54	-19.78
1	32	1048	2.57	-6.61e-02	-6.02e-02	2.56	0.12	1215.04	-15.71	-12.41	1211.74	-63.63
1	32	1049	2.48	-9.35e-02	-8.69e-02	2.47	0.13	1142.54	-27.44	-18.18	1133.29	-103.64
1	32	1050	2.27	-0.63	-0.59	2.24	0.32	1017.17	-49.65	-29.69	997.21	-144.55
1	32	1051	0.89	-4.65	-4.31	0.55	1.33	698.39	-124.57	-96.98	670.80	-148.14
1	32	1052	10.96	2.21	5.46	7.71	-4.23	284.33	54.81	137.35	201.78	-110.15
1	32	1053	10.21	-5.35	-4.77	9.63	-2.94	-193.95	-272.43	-272.15	-194.22	4.64
1	32	1054	-9.15e-02	-21.98	-18.64	-3.43	7.87	-5.44	-289.52	-253.94	-41.02	94.03
1	32	1055	9.09	-10.48	8.95	-10.33	-1.68	221.01	-753.51	-384.81	-147.69	472.61
1	32	1056	5.32	-3.16	5.31	-3.15	0.23	57.36	-633.53	-388.35	-187.81	-330.57
1	32	1057	12.42	-2.99	-0.39	9.82	-5.77	741.54	-812.90	-410.93	339.58	680.63
1	32	1058	7.20	0.98	0.99	7.19	-0.27	1105.51	-343.50	-191.42	953.43	444.10
1	32	1059	5.47	1.29	1.56	5.20	1.03	1182.65	-58.94	0.76	1122.96	265.62
1	32	1060	4.70	0.63	1.05	4.28	1.24	1210.72	77.73	104.58	1183.87	172.32
1	32	1061	4.06	0.41	0.77	3.71	1.08	1205.84	147.45	157.17	1196.12	100.96
1	32	1062	3.63	0.25	0.49	3.39	0.87	1187.25	173.14	174.92	1185.47	42.49
1	32	1063	3.42	0.31	0.44	3.29	0.62	1166.24	172.68	172.79	1166.13	-10.43
1	32	1064	3.42	0.21	0.25	3.38	0.33	1143.99	139.01	143.02	1139.98	-63.36
1	32	1065	3.71	0.15	0.15	3.71	-2.38e-02	1113.29	69.95	84.67	1098.57	-123.04
1	32	1066	4.34	0.35	0.43	4.26	-0.53	1057.58	-54.31	-16.40	1019.67	-201.77
1	32	1067	4.70	-0.54	-5.24e-02	4.21	-1.52	942.08	-302.02	-194.48	834.54	-349.61
1	32	1068	3.56	-5.34	-8.66e-02	-1.69	4.38	649.32	-702.47	-426.66	373.51	-544.76
1	32	1069	17.72	-11.90	12.67	-6.84	11.14	-389.62	-882.06	-876.32	-395.36	52.87
1	32	1070	26.98	-50.56	26.84	-50.42	3.35	1622.39	-1741.55	-1741.55	1622.38	4.89
1	32	1079	11.41	-0.19	5.79	5.43	5.80	466.71	-237.39	195.98	33.34	342.53
1	32	1080	0.68	-7.70	-7.26	0.25	1.86	690.87	-465.27	127.67	97.94	577.88
1	32	1081	-3.06	-4.33	-4.33	-3.06	5.77e-02	506.16	-404.57	88.19	13.40	-453.83
1	32	1082	2.91	-0.94	-0.93	2.90	-0.19	866.05	-245.91	200.80	419.35	545.14
1	32	1083	5.49	-0.99	-0.15	4.65	2.18	1062.69	-77.95	165.16	819.58	467.12
1	32	1084	4.73	0.49	1.50	3.72	1.81	1131.50	107.53	220.80	1018.22	321.18
1	32	1085	4.14	0.33	1.22	3.24	1.62	1149.65	192.77	239.57	1102.85	206.38
1	32	1086	3.59	0.36	0.99	2.95	1.28	1145.78	232.19	248.57	1129.40	121.23
1	32	1087	3.16	0.44	0.82	2.77	0.94	1129.63	246.76	249.64	1126.76	50.27
1	32	1088	2.85	0.53	0.69	2.69	0.59	1109.78	242.27	242.50	1109.56	-13.86
1	32	1089	2.68	0.56	0.58	2.66	0.19	1087.47	220.10	227.34	1080.23	-78.91
1	32	1090	2.71	0.50	0.53	2.68	-0.25	1057.00	173.82	201.37	1029.45	-153.51
1	32	1091	2.84	0.40	0.59	2.65	-0.64	1004.87	92.35	163.53	933.70	-244.71
1	32	1092	2.45	0.71	0.81	2.35	-0.41	923.11	-45.23	120.24	757.64	-364.49
1	32	1093	4.50	0.39	0.46	4.43	-0.52	761.01	-175.01	159.94	426.06	-448.70
1	32	1094	6.51	-2.57	0.77	3.18	-4.38	309.82	-191.68	137.61	-19.47	-238.13
1	32	1095	3.35e-02	-4.37	-4.25	-8.08e-02	0.70	807.62	-83.45	744.07	-19.90	229.32
1	32	1096	0.92	-3.77	-3.28	0.43	1.44	980.93	-119.44	658.26	203.23	500.94
1	32	1097	0.69	-1.34	-0.93	0.29	-0.81	848.08	-94.42	609.44	144.22	-409.85
1	32	1098	1.73	-2.61	-2.46	1.58	0.78	967.63	41.75	580.94	428.44	456.61
1	32	1099	1.95	-1.05	-0.39	1.29	1.24	1006.20	189.78	475.71	720.28	389.46
1	32	1100	3.00	-0.31	1.02	1.67	1.63	1051.56	286.79	417.55	920.80	287.93
1	32	1101	3.22	0.15	1.45	1.92	1.52	1074.57	328.33	381.44	1021.45	191.87
1	32	1102	2.95	0.33	1.27	2.01	1.26	1078.37	331.99	349.80	1060.56	113.90
1	32	1103	2.62	0.53	1.13	2.02	0.95	1068.32	328.66	331.72	1065.26	47.43
1	32	1104	2.28	0.71	1.01	1.98	0.61	1050.14	322.51	322.75	1049.89	-13.26
1	32	1105	1.92	0.87	0.94	1.85	0.26	1024.75	314.55	322.47	1016.83	-74.59
1	32	1106	1.64	0.86	0.87	1.63	-6.95e-02	989.55	301.14	332.42	958.28	-143.35



1	32	1107	1.34	0.66	0.75	1.25	-0.24	939.19	271.11	354.52	855.78	-220.84
1	32	1108	1.29	1.01	1.21	1.10	-0.13	885.25	221.66	425.13	681.78	-305.98
1	32	1109	1.14	-0.24	-0.21	1.12	-0.17	831.84	101.95	506.23	427.56	-362.82
1	32	1110	-0.38	-3.05	-3.05	-0.39	-0.12	659.74	-80.44	631.07	-51.77	-142.82
1	32	1111	-0.21	-6.35	-6.35	-0.22	0.13	1036.72	-41.86	1016.27	-21.41	147.09
1	32	1112	6.95e-02	-3.61	-3.54	7.25e-03	0.47	1059.27	102.12	928.63	232.77	328.60
1	32	1113	0.17	-1.41	-1.35	0.12	-0.28	954.17	94.46	867.59	181.04	-258.72
1	32	1114	0.29	-2.49	-2.33	0.14	0.63	986.72	268.81	827.20	428.33	298.45
1	32	1115	0.79	-1.14	-0.64	0.29	0.85	936.13	419.04	678.66	676.51	258.54
1	32	1116	2.13	-0.17	1.38	0.58	1.08	961.77	475.89	581.70	855.96	200.54
1	32	1117	2.43	0.10	1.53	1.00	1.13	997.12	456.02	493.19	959.95	136.86
1	32	1118	2.41	0.32	1.46	1.27	1.04	1017.71	423.34	435.23	1005.82	83.23
1	32	1119	2.24	0.49	1.34	1.40	0.87	1017.02	400.41	402.45	1014.98	35.37
1	32	1120	2.00	0.64	1.25	1.40	0.68	1000.59	393.00	393.12	1000.46	-8.56
1	32	1121	1.68	0.75	1.18	1.25	0.46	970.03	400.61	405.44	965.20	-52.21
1	32	1122	1.30	0.74	1.07	0.96	0.27	922.78	421.89	441.72	902.95	-97.68
1	32	1123	0.84	0.53	0.72	0.64	0.15	860.81	444.00	503.25	801.56	-145.55
1	32	1124	0.98	0.41	0.97	0.42	7.22e-02	823.75	437.73	615.25	646.23	-192.39
1	32	1125	0.36	-0.20	-0.18	0.33	-0.11	852.31	317.62	733.24	436.68	-222.45
1	32	1126	-0.20	-3.11	-3.11	-0.20	7.47e-02	937.36	-55.75	930.12	-48.51	-84.48
1	32	1127	-0.20	-6.59	-6.59	-0.20	7.04e-02	1150.37	-25.53	1146.12	-21.28	70.60
1	32	1128	-0.16	-3.84	-3.83	-0.17	0.20	1077.16	215.99	1053.63	239.52	140.39
1	32	1129	-2.42e-02	-1.74	-1.72	-3.96e-02	-0.16	997.91	179.80	986.73	190.98	-94.98
1	32	1130	-0.23	-2.44	-2.40	-0.27	0.30	967.54	405.99	943.82	429.71	112.95
1	32	1131	3.80e-03	-0.74	-0.56	-0.18	0.32	843.16	599.94	782.20	660.90	105.41
1	32	1132	1.26	8.25e-02	1.22	0.13	0.22	858.50	629.66	660.91	827.25	78.58
1	32	1133	1.51	0.51	1.50	0.52	9.50e-02	933.98	549.51	556.17	927.31	50.17
1	32	1134	1.51	0.86	1.50	0.86	6.28e-02	976.87	483.83	485.90	974.80	31.87
1	32	1135	1.41	1.08	1.40	1.08	3.83e-02	986.26	446.04	446.37	985.94	13.30
1	32	1136	1.32	1.11	1.32	1.11	1.52e-02	971.54	437.44	437.48	971.50	-4.48
1	32	1137	1.26	1.00	1.26	1.00	8.33e-04	936.72	456.17	457.31	935.58	-23.41
1	32	1138	1.14	0.76	1.14	0.76	4.60e-03	878.29	502.09	507.19	873.19	-43.50
1	32	1139	0.82	0.42	0.79	0.45	0.10	791.21	571.05	587.59	774.67	-58.04
1	32	1140	0.50	0.16	0.46	0.20	0.11	743.35	591.90	704.35	630.90	-66.22
1	32	1141	6.33e-02	-0.31	-0.29	4.89e-02	-7.19e-02	857.46	424.54	842.37	439.63	-79.41
1	32	1142	-1.70e-02	-3.43	-3.43	-1.70e-02	7.27e-03	1053.94	-47.44	1053.78	-47.28	-13.49
1	32	1143	-0.22	-6.88	-6.87	-0.22	9.63e-02	1151.97	-26.25	1147.77	-22.05	-70.26
1	32	1144	-0.20	-3.83	-3.83	-0.20	0.14	1074.68	223.30	1057.63	240.36	-119.28
1	32	1145	-6.78e-02	-1.84	-1.81	-8.98e-02	-0.20	997.65	185.62	995.43	187.83	42.36
1	32	1146	-0.30	-2.26	-2.26	-0.30	5.80e-02	970.77	410.32	948.03	433.07	-110.58
1	32	1147	0.20	-0.40	-2.70e-02	-0.18	-0.29	837.89	621.48	792.71	666.65	-87.95
1	32	1148	1.56	-0.22	1.16	0.18	-0.74	852.48	644.15	664.25	832.38	-61.51
1	32	1149	2.05	-3.21e-02	1.41	0.61	-0.96	934.42	558.07	562.77	929.72	-41.79
1	32	1150	2.11	0.21	1.37	0.95	-0.93	975.49	492.07	493.17	974.40	-22.99
1	32	1151	2.02	0.40	1.29	1.13	-0.81	983.50	454.20	454.36	983.34	-9.35
1	32	1152	1.85	0.55	1.22	1.18	-0.65	968.24	445.98	445.99	968.24	2.27
1	32	1153	1.59	0.65	1.17	1.07	-0.47	931.82	467.22	467.49	931.56	11.09
1	32	1154	1.27	0.68	1.10	0.84	-0.26	869.90	518.11	519.23	868.78	19.83
1	32	1155	0.90	0.52	0.90	0.52	-2.25e-03	776.48	595.74	601.81	770.41	32.56
1	32	1156	0.32	0.11	0.22	0.21	0.11	725.94	611.70	710.16	627.49	39.42
1	32	1157	1.75e-02	-0.24	-0.23	2.46e-03	-6.07e-02	856.57	433.03	853.19	436.41	37.69
1	32	1158	-8.59e-02	-3.69	-3.69	-8.70e-02	-6.26e-02	1060.62	-50.44	1060.61	-50.43	-3.64
1	32	1159	-0.47	-7.09	-7.09	-0.47	-4.74e-02	1035.26	-47.21	1013.20	-25.14	-152.96
1	32	1160	-5.52e-02	-3.88	-3.88	-5.54e-02	2.70e-02	1046.96	113.48	929.90	230.54	-309.15
1	32	1161	-1.42e-02	-1.59	-1.57	-3.20e-02	-0.17	946.34	113.44	890.91	168.87	207.59
1	32	1162	0.34	-1.75	-1.75	0.34	-8.10e-02	988.79	291.88	839.63	441.04	-285.84
1	32	1163	1.46	-0.43	0.69	0.34	-0.93	939.84	463.02	706.05	696.81	-238.36
1	32	1164	2.49	-0.41	1.18	0.89	-1.44	956.25	511.15	595.90	871.50	-174.75
1	32	1165	2.66	-0.16	1.18	1.31	-1.41	992.92	485.72	513.66	964.98	-115.72
1	32	1166	2.49	0.11	1.09	1.52	-1.17	1011.23	447.67	455.70	1003.19	-66.80
1	32	1167	2.22	0.37	1.02	1.57	-0.88	1008.89	421.67	422.74	1007.81	-25.09
1	32	1168	1.90	0.59	0.96	1.53	-0.59	990.67	414.82	415.10	990.39	12.72
1	32	1169	1.54	0.81	0.94	1.42	-0.28	957.57	428.75	433.04	953.28	47.44
1	32	1170	1.25	0.92	0.93	1.23	6.23e-02	907.50	459.51	476.86	890.16	86.43
1	32	1171	1.24	0.55	0.88	0.91	0.34	842.58	491.44	545.52	788.51	126.74
1	32	1172	1.03	0.16	0.62	0.56	0.44	803.41	471.89	639.97	635.34	165.74
1	32	1173	0.39	-0.11	-6.10e-02	0.34	0.15	845.25	344.84	762.85	427.24	185.60
1	32	1174	-0.44	-4.18	-4.16	-0.45	-0.20	948.43	-61.96	945.77	-59.30	51.78
1	32	1175	1.07	-5.58	-5.10	0.59	-1.72	723.01	-108.71	648.89	-34.58	-236.97
1	32	1176	1.28	-4.47	-4.45	1.26	0.36	915.08	-79.14	639.30	196.64	-445.12
1	32	1177	0.83	-2.21	-1.79	0.42	-1.05	771.27	-29.56	633.59	108.12	302.16
1	32	1178	0.95	-0.95	-0.49	0.49	-0.82	964.96	77.82	601.95	440.84	-436.20
1	32	1179	3.84	-0.27	1.13	2.44	-1.95	1018.38	268.12	527.71	758.80	-356.89
1	32	1180	3.95	-0.24	1.08	2.63	-1.95	1053.81	354.74	467.25	941.29	-256.90
1	32	1181	3.50	-0.18	0.79	2.53	-1.62	1070.15	370.10	415.70	1024.55	-172.75
1	32	1182	3.02	5.93e-02	0.70	2.38	-1.22	1069.39	361.61	376.43	1054.57	-101.36



1	32	1183	2.58	0.27	0.64	2.21	-0.85	1055.88	350.36	352.42	1053.82	-38.07
1	32	1184	2.22	0.46	0.62	2.06	-0.50	1034.66	345.67	346.25	1034.09	19.92
1	32	1185	1.98	0.57	0.58	1.97	-0.14	1006.54	348.75	357.88	997.42	76.93
1	32	1186	1.97	0.56	0.61	1.92	0.26	968.89	353.30	386.54	935.65	139.13
1	32	1187	2.21	0.34	0.68	1.86	0.73	916.69	341.68	427.88	830.49	205.28
1	32	1188	1.97	-2.44e-02	0.58	1.37	0.92	860.06	279.60	478.30	661.35	275.42
1	32	1189	2.93	0.44	1.13	2.24	1.12	824.18	170.66	575.94	418.90	317.18
1	32	1190	-1.44	-5.21	-4.70	-1.96	1.29	665.53	-115.29	649.64	-99.39	110.28
1	32	1191	-0.26	-14.78	-7.02	-8.02	7.25	83.17	-243.91	-27.33	-133.42	-154.70
1	32	1192	8.50	-9.95	4.99	-6.44	7.24	594.15	-343.58	226.44	24.13	-457.82
1	32	1193	4.04	-2.78	0.70	0.57	-3.41	423.05	-222.13	261.58	-60.66	279.48
1	32	1194	7.82	-1.82	-0.59	6.58	3.22	895.65	-261.55	203.97	430.14	-567.45
1	32	1195	6.97	2.36	2.80	6.53	-1.36	1101.37	70.35	297.96	873.76	-427.63
1	32	1196	5.23	0.12	0.81	4.53	-1.75	1132.07	183.47	293.43	1022.11	-303.67
1	32	1197	4.31	-0.13	0.31	3.87	-1.33	1148.13	229.85	279.34	1098.64	-207.34
1	32	1198	3.54	-5.49e-03	0.28	3.25	-0.97	1137.97	243.73	260.91	1120.79	-122.76
1	32	1199	2.99	0.12	0.28	2.83	-0.67	1116.93	244.68	247.10	1114.52	-45.82
1	32	1200	2.64	0.22	0.29	2.58	-0.39	1093.23	242.41	243.13	1092.51	24.85
1	32	1201	2.48	0.24	0.25	2.48	-9.82e-02	1067.84	236.67	248.43	1056.08	98.14
1	32	1202	2.59	0.21	0.23	2.57	0.23	1034.94	221.93	260.90	995.97	173.68
1	32	1203	3.07	0.24	0.42	2.88	0.70	980.87	182.63	272.41	891.08	252.20
1	32	1204	4.12	-0.12	0.92	3.08	1.82	892.41	77.00	269.01	700.39	345.98
1	32	1205	-0.89	-4.38	-2.93	-2.34	-1.72	691.96	-195.22	176.03	320.72	437.65
1	32	1206	7.63	4.27	4.50	7.40	-0.86	98.06	-85.07	59.36	-46.37	74.76
1	32	1207	9.83	-27.72	-20.65	2.76	14.68	135.35	-492.14	-488.18	131.39	49.69
1	32	1208	2.29	-3.86	1.92	-3.49	1.46	-377.23	-1160.95	-895.78	-642.40	-370.82
1	32	1209	2.42	-1.47	1.21	-0.26	1.80	-489.63	-1161.24	-859.32	-791.56	334.09
1	32	1210	13.14	-13.96	12.99	-13.81	2.05	745.61	-361.38	-244.00	628.24	-340.82
1	32	1211	5.64	3.11	4.79	3.95	-1.19	1091.40	-83.56	65.40	942.43	-390.95
1	32	1212	5.91	0.22	0.34	5.78	-0.84	1210.47	7.89	108.50	1109.87	-332.96
1	32	1213	4.65	-6.60e-02	3.26e-03	4.58	-0.57	1229.59	64.17	114.94	1178.83	-237.88
1	32	1214	3.82	-2.69e-02	3.57e-02	3.76	-0.49	1214.16	92.71	111.31	1195.55	-143.25
1	32	1215	3.28	2.23e-02	6.44e-02	3.23	-0.37	1187.44	103.95	106.59	1184.81	-53.39
1	32	1216	2.93	5.03e-02	6.89e-02	2.91	-0.23	1161.34	103.73	104.64	1160.43	30.98
1	32	1217	2.76	4.24e-02	4.62e-02	2.76	-0.10	1137.15	92.15	105.50	1123.79	117.39
1	32	1218	2.80	-1.16e-02	-1.16e-02	2.80	8.10e-03	1105.02	64.41	106.45	1062.98	204.90
1	32	1219	3.31	6.26e-02	6.75e-02	3.30	0.13	1039.31	11.35	100.84	949.82	289.80
1	32	1220	5.47	3.26	3.29	5.44	0.26	907.18	-59.29	80.09	767.81	339.52
1	32	1221	6.67	1.10	5.68	2.10	-2.13	523.98	-294.42	-138.30	367.86	321.55
1	32	1222	-0.36	-22.96	-13.56	-9.76	-11.14	390.96	-399.73	-378.57	369.80	-127.60
1	32	1223	3.18	-11.29	-9.53	1.41	-4.73	-60.39	-293.02	-287.95	-65.46	-33.95
1	32	1224	9.77	-4.85	-4.78	9.70	-1.05	327.65	-221.71	269.13	-163.19	-169.49
1	32	1225	6.00	-5.92	-3.50	3.58	-4.79	286.56	-296.94	237.77	-248.14	161.53
1	32	1226	36.47	9.52	18.38	27.61	-12.66	386.10	72.36	215.61	242.85	-156.28
1	32	1227	9.54	-2.17	-1.81	9.18	-2.03	958.93	-93.07	-75.70	941.57	-134.06
1	32	1228	4.93	-0.48	-0.47	4.93	0.13	1155.58	-38.19	-27.21	1144.60	-113.95
1	32	1229	4.43	-9.13e-02	-9.11e-02	4.43	3.09e-02	1223.49	-25.61	-20.54	1218.41	-79.46
1	32	1230	3.91	7.46e-03	9.44e-03	3.91	-8.77e-02	1234.76	-19.36	-17.76	1233.17	-44.66
1	32	1231	3.38	1.70e-02	2.15e-02	3.38	-0.12	1220.25	-16.64	-16.51	1220.12	-12.80
1	32	1232	3.00	1.58e-02	2.24e-02	2.99	-0.14	1194.46	-17.43	-17.24	1194.27	15.28
1	32	1233	2.80	1.34e-02	2.19e-02	2.79	-0.15	1158.25	-21.75	-20.08	1156.58	44.30
1	32	1234	2.71	-4.26e-02	-3.26e-02	2.70	-0.17	1098.12	-31.15	-26.36	1093.33	73.41
1	32	1235	2.45	-0.54	-0.47	2.38	-0.43	986.26	-47.39	-37.98	976.84	98.19
1	32	1236	0.68	-4.89	-4.55	0.33	-1.34	709.61	-118.04	-107.40	698.97	93.24
1	32	1237	15.37	4.18	9.96	9.60	5.59	310.53	108.58	141.99	277.12	75.04
1	32	1238	10.29	-1.20	-0.98	10.07	1.57	-181.13	-284.27	-280.37	-185.02	-19.66
1	35	1	1.33	1.91e-02	1.30	5.64e-02	0.22	-515.88	-1301.73	-880.19	-937.43	391.88
1	35	3	2.59	-4.31	0.58	-2.30	3.13	-314.59	-1226.08	-875.22	-665.44	-443.51
1	35	9	7.99e-02	-6.76	-3.76	-2.92	-3.40	-947.55	-1498.46	-1489.73	-956.27	-68.78
1	35	11	5.76	-6.18	-0.51	0.10	-5.96	-1366.46	-3267.17	-3262.06	-1371.57	98.45
1	35	12	4.17	-3.75	1.93	-1.50	-3.57	-1738.04	-2873.13	-2872.96	-1738.21	-13.84
1	35	13	9.35	-7.67	7.81	-6.13	4.88	-1418.94	-2955.57	-2941.51	-1433.00	-146.28
1	35	15	8.98	-7.45	7.81	-6.27	4.24	-1465.39	-2952.45	-2952.34	-1465.50	12.81
1	35	17	2.88	-4.19	-1.28	-2.52e-02	3.48	-758.81	-1548.92	-1542.06	-765.68	73.32
1	35	21	-0.89	-7.85	-4.59	-4.15	3.47	-1723.51	-3076.16	-3069.13	-1730.54	-97.31
1	35	22	-0.88	-8.25	-5.60	-3.52	3.53	-2237.05	-4014.15	-4012.97	-2238.23	-45.72
1	35	23	4.01	-3.43	1.73	-1.14	-3.43	-1714.63	-2873.14	-2855.74	-1732.03	140.91
1	35	24	3.14	1.85	1.89	3.10	-0.23	1175.13	67.92	71.60	1171.45	63.72
1	35	25	2.96	-1.86	2.96	-1.86	-9.49e-02	-1517.90	-2539.71	-2515.74	-1541.87	154.66
1	35	27	6.23	-5.19	6.20	-5.16	0.63	-1318.66	-2549.07	-2527.45	-1340.28	-161.66
1	35	29	4.55	-2.75	1.76	3.96e-02	-3.54	605.40	-178.83	432.94	-6.38	324.81
1	35	30	2.47	-3.92	-3.51	2.06	-1.58	750.87	-306.31	279.46	165.10	525.49
1	35	31	8.76	-1.39	7.40	-3.26e-02	-3.45	271.63	-581.19	-344.51	34.95	381.87
1	35	32	3.52	-1.07	0.79	1.66	2.25	919.46	-51.43	316.41	551.62	470.99
1	35	33	7.45	4.31	4.45	7.31	0.64	864.40	-173.28	69.63	621.49	439.38
1	35	34	3.40	1.24e-02	0.40	3.01	1.08	1003.00	138.91	325.07	816.84	355.25



1	35	35	3.74	9.32e-02	0.13	3.70	0.37	1050.59	-49.47	116.36	884.76	393.60
1	35	36	2.84	-3.33e-02	8.80e-02	2.72	0.58	1053.70	223.98	315.40	962.28	259.80
1	35	37	2.96	-9.21e-02	-8.12e-02	2.95	0.18	1135.56	45.57	131.12	1050.00	293.14
1	35	38	2.58	4.80e-02	6.68e-02	2.56	0.22	1083.99	268.92	302.85	1050.06	162.81
1	35	39	2.77	-5.06e-02	-4.93e-02	2.77	6.07e-02	1174.97	98.90	132.59	1141.28	187.39
1	35	40	2.61	9.69e-02	0.10	2.61	-9.48e-02	1112.02	290.48	296.38	1106.12	69.39
1	35	41	2.80	-3.13e-02	-3.03e-02	2.80	-5.42e-02	1204.26	126.32	132.33	1198.25	80.27
1	35	42	2.90	5.03e-02	0.11	2.85	-0.39	1145.85	299.78	300.92	1144.71	-31.11
1	35	43	3.03	-4.35e-02	-3.37e-02	3.02	-0.17	1240.52	134.66	135.71	1239.47	-34.03
1	35	44	3.46	-3.70e-02	0.12	3.31	-0.72	1187.80	298.88	318.15	1168.53	-129.44
1	35	45	3.48	-7.93e-02	-5.71e-02	3.46	-0.28	1287.43	124.66	143.62	1268.47	-147.28
1	35	46	4.36	-0.10	0.23	4.02	-1.18	1230.95	283.50	346.69	1167.76	-236.38
1	35	47	4.29	-8.97e-02	-5.68e-02	4.26	-0.38	1337.63	92.88	155.53	1274.99	-272.13
1	35	48	5.56	0.27	1.01	4.82	-1.83	1262.68	243.27	383.94	1122.01	-351.59
1	35	49	5.67	0.26	0.36	5.57	-0.73	1366.76	36.73	168.09	1235.40	-396.82
1	35	50	7.14	2.34	3.61	5.87	-2.12	1288.36	154.17	423.18	1019.35	-482.44
1	35	51	6.88	3.27	5.33	4.82	-1.79	1329.93	-44.97	177.63	1107.32	-506.47
1	35	52	12.16	-0.28	5.32	6.56	6.19	1201.57	-103.02	397.19	701.36	-634.32
1	35	53	15.52	-10.03	14.26	-8.77	5.53	1132.21	-205.22	61.81	865.18	-534.63
1	35	54	8.34	-11.24	-4.21	1.30	9.39	873.02	-322.01	428.53	122.48	-577.59
1	35	55	0.89	-3.76	-3.30	0.42	-1.40	887.76	-81.47	709.91	96.38	375.16
1	35	56	2.93	1.11	2.90	1.13	-0.21	932.97	70.99	713.59	290.37	375.46
1	35	57	3.18	-0.16	0.96	2.06	1.58	942.75	205.75	590.35	558.16	368.15
1	35	58	2.70	-0.14	0.58	1.98	1.24	949.05	317.58	520.24	746.38	294.80
1	35	59	2.32	0.11	0.40	2.04	0.74	974.72	376.61	468.47	882.86	215.65
1	35	60	2.10	0.32	0.36	2.06	0.29	1001.45	401.83	434.01	969.27	135.11
1	35	61	2.16	0.36	0.37	2.15	-0.14	1030.51	411.60	417.00	1025.11	57.55
1	35	62	2.48	0.25	0.41	2.33	-0.57	1063.20	419.61	420.67	1062.14	-26.05
1	35	63	3.02	7.77e-02	0.50	2.59	-1.03	1099.33	428.07	445.61	1081.79	-107.08
1	35	64	3.71	-5.68e-02	0.77	2.88	-1.56	1134.06	433.27	491.45	1075.88	-193.35
1	35	65	4.41	5.72e-02	1.40	3.07	-2.01	1165.44	418.40	555.57	1028.27	-289.24
1	35	66	4.51	1.19	2.35	3.34	-1.58	1189.15	345.77	630.84	904.09	-398.94
1	35	67	4.78	-0.15	0.65	3.98	-1.82	1198.50	162.66	721.14	640.02	-516.33
1	35	68	2.13	-3.40	-3.39	2.13	-0.16	1151.75	-104.19	806.43	241.13	-560.76
1	35	69	-0.14	-0.89	-0.88	-0.16	-0.11	1059.93	72.10	967.51	164.52	287.67
1	35	70	0.29	-0.24	-0.18	0.24	0.16	990.15	213.77	887.48	316.44	263.01
1	35	71	1.21	-0.17	0.61	0.43	0.68	920.54	378.90	766.52	532.92	244.34
1	35	72	1.69	-1.52e-02	0.73	0.94	0.85	882.38	478.16	660.28	700.26	201.12
1	35	73	1.61	0.29	0.65	1.25	0.59	890.70	507.62	577.54	820.78	147.98
1	35	74	1.48	0.60	0.65	1.43	0.20	926.26	500.67	522.85	904.07	94.60
1	35	75	1.60	0.65	0.70	1.55	-0.22	963.02	492.97	496.13	959.86	38.42
1	35	76	2.00	0.45	0.80	1.64	-0.65	996.39	497.05	497.77	995.68	-18.88
1	35	77	2.47	0.18	0.95	1.70	-1.08	1023.81	516.88	528.50	1012.19	-75.85
1	35	78	2.89	-5.60e-02	1.20	1.63	-1.46	1042.39	546.27	587.51	1001.15	-136.96
1	35	79	3.10	-0.14	1.56	1.41	-1.62	1057.12	561.58	673.63	945.06	-207.30
1	35	80	2.66	-0.16	1.46	1.04	-1.40	1084.35	515.10	785.05	814.40	-284.25
1	35	81	1.25	-0.39	3.93e-02	0.82	-0.72	1144.78	359.08	919.93	583.93	-355.11
1	35	82	0.18	-2.39	-2.38	0.17	-0.16	1257.14	92.33	1091.50	257.97	-406.82
1	35	83	-7.40e-02	-1.47	-1.46	-8.50e-02	-0.12	1082.86	162.28	1064.34	180.80	129.27
1	35	84	-6.77e-03	-0.55	-0.55	-1.14e-02	5.00e-02	1001.10	305.12	981.10	325.12	116.27
1	35	85	0.55	-0.13	0.36	6.20e-02	0.30	884.07	488.94	851.62	521.39	108.48
1	35	86	0.87	9.57e-02	0.58	0.38	0.37	792.77	606.74	728.01	671.50	88.62
1	35	87	0.98	0.46	0.75	0.70	0.26	806.74	607.12	631.22	782.64	65.04
1	35	88	0.92	0.87	0.88	0.91	-1.25e-02	867.85	559.30	564.61	862.54	40.13
1	35	89	1.35	0.67	0.99	1.03	-0.34	918.57	531.10	531.65	918.02	14.64
1	35	90	1.76	0.42	1.13	1.04	-0.67	953.47	530.60	530.87	953.20	-10.64
1	35	91	2.11	0.14	1.29	0.95	-0.97	970.50	561.63	565.17	966.96	-37.87
1	35	92	2.31	-0.14	1.45	0.73	-1.17	965.10	617.93	632.22	950.81	-68.98
1	35	93	2.23	-0.37	1.48	0.39	-1.18	942.50	679.86	733.36	889.00	-105.78
1	35	94	1.28	-0.52	0.73	3.31e-02	-0.83	961.45	661.31	860.80	761.96	-141.70
1	35	95	-8.28e-02	-0.73	-0.60	-0.21	-0.26	1079.80	496.93	1022.62	554.11	-173.37
1	35	96	-0.19	-2.81	-2.80	-0.20	0.17	1255.32	218.15	1215.27	258.20	-199.83
1	35	97	-6.45e-02	-1.58	-1.58	-6.47e-02	-1.93e-02	1074.84	181.02	1072.28	183.59	-47.83
1	35	98	-4.81e-02	-0.79	-0.78	-5.61e-02	7.67e-02	989.77	322.40	987.03	325.14	-42.69
1	35	99	0.47	-7.35e-02	0.42	-2.81e-02	0.15	863.31	510.70	860.07	513.95	-33.69
1	35	100	0.35	0.15	0.35	0.16	2.51e-02	736.49	647.12	725.01	658.60	-29.90
1	35	101	0.80	0.34	0.74	0.40	-0.15	772.57	621.29	626.09	767.78	-26.50
1	35	102	1.17	0.43	0.99	0.60	-0.31	848.86	554.97	556.18	847.66	-18.80
1	35	103	1.50	0.39	1.18	0.71	-0.51	904.28	521.63	521.83	904.08	-8.71
1	35	104	1.79	0.25	1.35	0.69	-0.70	939.62	519.77	519.78	939.62	-1.54
1	35	105	1.99	5.17e-02	1.50	0.55	-0.84	952.10	555.13	555.16	952.07	3.50
1	35	106	2.03	-0.19	1.55	0.29	-0.91	932.70	623.85	623.94	932.61	5.36
1	35	107	1.72	-0.33	1.42	-2.83e-02	-0.73	867.84	730.24	730.76	867.33	8.37
1	35	108	0.19	-0.43	6.20e-02	-0.30	-0.25	858.27	740.82	857.73	741.35	7.92
1	35	109	-0.38	-1.11	-1.09	-0.41	0.13	1029.87	542.13	1029.87	542.14	1.99
1	35	110	-0.24	-3.05	-3.03	-0.26	0.23	1226.30	255.66	1226.29	255.67	3.47



1	35	111	-3.66e-02	-1.65	-1.64	-4.25e-02	9.78e-02	1032.10	143.10	995.74	179.45	-176.06
1	35	112	2.57e-02	-0.89	-0.84	-2.67e-02	0.21	950.72	282.60	913.89	319.43	-152.49
1	35	113	0.52	-0.13	0.38	7.41e-03	0.27	853.21	448.55	790.66	511.10	-146.28
1	35	114	0.75	0.11	0.70	0.16	0.17	792.74	534.86	666.00	661.60	-128.92
1	35	115	0.70	0.37	0.69	0.38	5.73e-02	818.78	520.30	562.53	776.55	-104.02
1	35	116	1.00	0.58	1.00	0.58	3.35e-02	872.16	486.40	498.12	860.44	-66.20
1	35	117	1.22	0.70	1.22	0.70	1.23e-02	921.28	466.86	468.52	919.62	-27.43
1	35	118	1.42	0.67	1.42	0.67	-8.49e-03	957.21	466.25	466.50	956.97	10.91
1	35	119	1.57	0.52	1.57	0.52	-2.85e-02	975.58	494.42	499.65	970.34	49.91
1	35	120	1.59	0.27	1.59	0.27	-3.47e-02	969.68	542.86	562.65	949.89	89.76
1	35	121	0.88	-1.63e-02	0.87	-2.74e-03	0.11	942.27	591.14	652.74	880.68	133.55
1	35	122	0.17	-0.61	-0.22	-0.22	0.39	948.29	580.61	780.47	748.43	183.14
1	35	123	-0.12	-1.55	-1.37	-0.30	0.47	1044.16	446.11	946.98	543.29	220.63
1	35	124	-0.17	-3.08	-3.05	-0.20	0.29	1208.70	186.25	1140.44	254.51	255.21
1	35	125	2.18e-04	-1.57	-1.56	-1.60e-02	0.16	963.58	27.66	824.94	166.30	-332.47
1	35	126	0.17	-0.84	-0.73	6.80e-02	0.31	897.16	161.40	753.38	305.18	-291.75
1	35	127	0.67	-4.61e-02	0.46	0.17	0.33	853.41	298.43	640.35	511.49	-269.91
1	35	128	1.38	0.24	1.27	0.35	0.33	848.22	371.72	538.83	681.11	-227.38
1	35	129	0.97	0.26	0.61	0.62	0.36	876.99	373.06	440.94	809.10	-172.05
1	35	130	1.36	0.42	0.90	0.88	0.47	922.15	372.43	394.78	899.80	-108.57
1	35	131	1.69	0.44	1.12	1.01	0.62	965.52	373.67	377.20	961.99	-45.55
1	35	132	1.97	0.38	1.33	1.02	0.78	1003.50	376.63	377.19	1002.94	18.77
1	35	133	2.15	0.24	1.52	0.87	0.90	1032.48	391.13	403.36	1020.26	87.71
1	35	134	2.16	4.98e-02	1.58	0.63	0.94	1048.50	404.91	450.75	1002.66	165.54
1	35	135	1.39	-0.46	0.56	0.37	0.92	1047.43	394.44	512.07	929.80	250.95
1	35	136	0.83	-1.06	-0.41	0.19	0.89	1044.76	356.24	618.29	782.70	334.30
1	35	137	0.42	-1.92	-1.55	5.25e-02	0.85	1076.49	243.48	764.58	555.39	403.15
1	35	138	4.88e-02	-3.13	-3.03	-4.77e-02	0.55	1175.97	19.45	942.67	252.75	464.10
1	35	139	4.77e-02	-1.17	-1.17	4.64e-02	3.91e-02	837.61	-174.15	531.12	132.34	-464.93
1	35	140	0.44	-0.62	-0.56	0.38	0.24	800.04	-53.23	474.29	272.51	-414.54
1	35	141	0.75	0.31	0.66	0.40	0.18	839.12	57.15	383.75	512.53	-385.65
1	35	142	1.50	0.66	1.49	0.66	3.40e-02	892.51	147.36	321.85	718.02	-315.55
1	35	143	1.10	0.48	0.48	1.10	5.39e-02	940.98	188.72	265.93	863.77	-228.30
1	35	144	1.55	0.59	0.68	1.46	0.28	987.88	229.07	256.24	960.70	-141.00
1	35	145	1.97	0.54	0.85	1.66	0.59	1029.93	253.21	257.77	1025.36	-59.37
1	35	146	2.38	0.42	1.07	1.73	0.92	1070.18	263.56	264.05	1069.69	19.86
1	35	147	2.72	0.26	1.32	1.66	1.22	1108.56	264.00	277.18	1095.38	104.68
1	35	148	2.88	0.13	1.54	1.47	1.38	1138.65	245.54	294.96	1089.23	204.20
1	35	149	2.17	-0.68	0.26	1.23	1.34	1146.49	178.45	304.42	1020.52	325.69
1	35	150	1.81	-1.22	-0.53	1.11	1.27	1128.84	89.41	365.37	852.88	459.01
1	35	151	1.50	-2.29	-1.69	0.89	1.39	1095.52	-53.50	464.40	577.61	571.71
1	35	152	0.75	-3.31	-2.92	0.37	1.19	1106.16	-265.97	597.12	243.07	662.83
1	35	153	0.23	-1.35	-0.93	-0.20	-0.70	578.63	-518.98	20.03	39.61	-548.72
1	35	154	1.38	-0.68	-0.66	1.36	0.21	616.12	-413.07	9.54	193.50	-506.31
1	35	155	0.94	0.82	0.91	0.85	-5.46e-02	795.50	-287.59	-12.06	519.96	-471.71
1	35	156	1.66	0.59	0.92	1.33	-0.49	921.16	-128.01	12.71	780.43	-357.55
1	35	157	2.15	0.75	0.84	2.06	-0.35	1003.29	4.49	67.00	940.79	-241.91
1	35	158	2.38	0.63	0.63	2.37	6.19e-02	1057.89	87.95	109.54	1036.29	-143.10
1	35	159	2.71	0.43	0.55	2.59	0.51	1100.91	131.91	135.65	1097.17	-60.08
1	35	160	3.13	0.21	0.59	2.75	0.98	1143.41	146.02	146.30	1143.13	16.93
1	35	161	3.57	-5.04e-02	0.69	2.84	1.46	1188.08	129.64	138.94	1178.78	98.77
1	35	162	3.88	-0.24	0.91	2.72	1.85	1228.46	75.53	110.91	1193.08	198.85
1	35	163	3.72	-0.11	1.14	2.47	1.79	1246.14	-31.63	63.16	1151.35	334.86
1	35	164	3.12	-1.22	-0.59	2.48	1.54	1201.86	-221.87	6.40	973.59	522.38
1	35	165	3.46	-2.92	-2.15	2.70	2.07	1079.18	-451.39	10.05	617.73	702.38
1	35	166	2.31	-3.91	-2.55	0.95	2.57	922.36	-693.83	29.44	199.10	803.63
1	35	167	-3.88	-7.66	-7.62	-3.92	-0.41	-47.94	-1054.60	-856.46	-246.07	-400.24
1	35	168	6.57	3.75	4.46	5.85	1.23	316.96	-848.90	-589.73	57.79	-484.75
1	35	169	1.79	-0.87	-0.78	1.70	-0.48	748.21	-745.42	-588.73	591.53	-457.69
1	35	170	4.09	0.24	0.84	3.49	-1.40	940.49	-377.58	-308.06	870.97	-294.61
1	35	171	3.58	0.16	0.28	3.46	-0.63	1054.26	-161.61	-133.09	1025.74	-184.02
1	35	172	3.44	0.25	0.25	3.44	-4.65e-02	1116.56	-31.41	-21.76	1106.91	-104.81
1	35	173	3.62	5.11e-02	0.10	3.57	0.43	1160.89	32.49	34.18	1159.19	-43.68
1	35	174	4.05	-0.11	8.51e-02	3.86	0.88	1205.13	51.70	51.80	1205.03	10.90
1	35	175	4.72	-0.39	2.70e-02	4.30	1.40	1253.42	23.85	27.63	1249.64	68.07
1	35	176	5.55	-0.66	0.12	4.77	2.06	1300.13	-57.99	-43.60	1285.74	139.02
1	35	177	6.18	-0.34	1.13	4.72	2.72	1331.77	-209.50	-170.87	1293.14	240.93
1	35	178	4.47	1.57	1.68	4.36	0.56	1293.09	-512.03	-406.17	1187.23	424.13
1	35	179	5.67	1.64	1.77	5.54	-0.71	1093.85	-206.79	-198.69	1085.76	102.29
1	35	180	17.37	0.46	16.47	1.36	-3.80	-1184.39	-2075.57	-2019.22	-1240.74	216.90
1	35	181	-6.44	-14.01	-6.52	-13.92	0.79	19.39	-1935.06	-1755.86	-159.81	-564.02
1	35	182	10.55	-7.54	0.22	2.79	-8.95	629.10	-1026.30	-983.29	586.09	-263.34
1	35	183	6.12	-0.19	2.77e-02	5.91	-1.16	959.43	-490.93	-483.51	952.01	-103.50
1	35	184	4.66	0.11	0.12	4.64	-0.26	1081.34	-233.43	-230.78	1078.69	-58.95
1	35	185	4.23	-4.25e-02	-3.38e-02	4.22	0.19	1146.43	-90.82	-89.95	1145.57	-32.72
1	35	186	4.27	-0.22	-0.18	4.23	0.43	1192.05	-17.82	-17.66	1191.89	-13.88



1	35	187	4.71	-0.35	-0.28	4.63	0.63	1236.92	3.83	3.83	1236.92	2.68
1	35	188	5.59	-0.69	-0.56	5.46	0.89	1286.26	-29.04	-28.75	1285.97	19.62
1	35	189	7.16	-0.74	-0.50	6.91	1.37	1334.81	-115.57	-114.45	1333.69	40.31
1	35	190	9.51	-2.16	-1.49	8.84	2.72	1361.66	-307.97	-304.80	1358.49	72.70
1	35	191	12.11	-2.65	1.79	7.66	6.77	1376.56	-612.17	-594.28	1358.67	187.75
1	35	192	16.31	-2.82	14.64	-1.15	-5.40	1321.78	-1276.79	-1209.37	1254.36	413.10
1	35	193	23.23	-12.26	14.27	-3.30	-15.42	-696.65	-2548.54	-2419.87	-825.32	470.88
1	35	194	38.42	13.03	38.31	13.15	-1.68	-111.46	-1878.23	-1870.42	-119.27	117.20
1	35	195	24.33	1.94	2.05	24.22	-1.56	816.38	-910.70	-910.69	816.37	4.40
1	35	196	5.60	0.77	0.80	5.57	0.36	950.24	-493.08	-493.03	950.19	8.47
1	35	197	4.78	0.19	0.19	4.77	0.12	1083.84	-234.56	-234.56	1083.84	-2.16
1	35	198	4.28	-0.12	-0.11	4.28	0.13	1147.34	-94.54	-94.54	1147.34	1.13
1	35	199	4.32	-0.25	-0.25	4.31	0.20	1193.96	-21.04	-21.04	1193.96	7.29e-02
1	35	200	4.75	-0.36	-0.35	4.74	0.23	1238.94	1.51	1.51	1238.94	-0.32
1	35	201	5.64	-0.64	-0.63	5.63	0.24	1288.60	-28.79	-28.79	1288.60	-1.32
1	35	202	7.07	-0.72	-0.71	7.06	0.28	1334.31	-114.32	-114.26	1334.25	-9.44
1	35	203	10.44	0.89	0.91	10.41	0.51	1377.34	-256.60	-256.54	1377.28	-9.84
1	35	204	21.50	-0.21	1.48e-02	21.28	2.20	1478.56	-568.58	-568.57	1478.56	-2.98
1	35	205	57.23	-8.88	57.19	-8.84	1.69	1597.12	-617.01	-614.23	1594.34	-78.39
1	35	206	6.29	-6.89	-0.41	-0.18	-6.59	-1736.79	-4327.08	-4325.73	-1738.14	59.07
1	35	207	17.13	-6.88	14.04	-3.80	8.04	-830.71	-1378.00	-1359.37	-849.35	-99.26
1	35	208	-2.49	-10.37	-3.39	-9.46	-2.52	91.81	-1659.99	-1422.63	-145.55	599.56
1	35	209	9.47	-7.46	-0.59	2.60	8.32	649.25	-964.75	-890.87	575.37	337.33
1	35	210	6.34	-0.14	0.14	6.06	1.32	954.96	-459.89	-443.69	938.76	150.55
1	35	211	4.80	4.58e-02	0.11	4.74	0.53	1076.68	-218.64	-212.83	1070.87	86.51
1	35	212	4.30	-6.58e-02	-6.09e-02	4.30	0.15	1141.89	-83.19	-81.40	1140.10	46.80
1	35	213	4.30	-0.22	-0.22	4.30	-5.49e-02	1187.76	-13.11	-12.85	1187.50	17.62
1	35	214	4.75	-0.34	-0.33	4.73	-0.27	1232.68	8.15	8.19	1232.63	-7.30
1	35	215	5.68	-0.68	-0.63	5.63	-0.55	1281.74	-22.46	-21.57	1280.85	-34.04
1	35	216	7.34	-1.04	-0.93	7.24	-0.93	1328.98	-109.33	-106.09	1325.74	-68.16
1	35	217	10.12	-1.74	-1.41	9.78	-1.96	1357.12	-277.74	-269.49	1348.86	-115.89
1	35	218	13.82	-2.00	1.36	10.45	-6.47	1393.40	-548.15	-512.77	1358.03	-259.66
1	35	219	22.65	2.21	19.26	5.60	7.60	1278.36	-1141.99	-1011.46	1147.83	-546.71
1	35	220	15.38	-9.24	11.72	-5.58	8.76	-295.47	-1832.46	-1655.54	-472.39	-490.54
1	35	221	-4.63	-10.50	-10.20	-4.94	-1.29	66.56	-893.12	-632.31	-194.24	426.93
1	35	222	8.02	2.27	6.31	3.98	-2.63	382.20	-658.53	-397.65	121.31	451.05
1	35	223	3.87	-0.32	1.02	2.54	1.95	769.80	-608.48	-431.55	592.87	461.04
1	35	224	4.65	-0.27	0.77	3.61	2.01	928.80	-314.69	-234.86	848.97	304.79
1	35	225	3.95	0.19	0.53	3.61	1.09	1040.82	-123.36	-89.43	1006.89	195.83
1	35	226	3.64	0.12	0.18	3.58	0.44	1103.97	-14.73	-3.39	1092.64	112.05
1	35	227	3.73	1.96e-02	2.23e-02	3.73	-0.10	1149.16	41.95	43.87	1147.24	46.05
1	35	228	4.18	-0.10	-1.18e-02	4.09	-0.62	1193.35	60.26	60.41	1193.20	-12.73
1	35	229	4.95	-0.36	-8.05e-02	4.68	-1.18	1240.20	38.40	43.00	1235.60	-74.22
1	35	230	6.03	-0.61	7.00e-03	5.42	-1.92	1284.47	-29.32	-12.11	1267.26	-149.37
1	35	231	7.17	-0.27	1.12	5.77	-2.91	1316.81	-149.90	-104.47	1271.38	-254.09
1	35	232	6.35	1.65	2.39	5.61	-1.71	1293.93	-404.88	-283.32	1172.37	-437.87
1	35	233	9.04	-3.94	-2.71	7.81	-3.80	1052.55	-780.84	-443.92	715.63	-710.06
1	35	234	-1.61	-4.52	-2.40	-3.72	-1.30	593.14	-1143.52	-638.89	88.51	-788.50
1	35	235	0.10	-1.04	-0.60	-0.34	0.56	628.04	-396.52	163.57	67.95	510.04
1	35	236	1.05	6.68e-02	0.25	0.86	-0.38	656.41	-276.86	152.86	226.69	465.18
1	35	237	2.38	0.59	2.27	0.70	0.42	805.25	-152.87	123.72	528.67	434.17
1	35	238	2.00	-0.45	0.13	1.43	1.04	900.91	-84.44	46.97	769.50	334.99
1	35	239	2.55	0.40	0.79	2.16	0.83	984.87	33.99	94.80	924.07	232.64
1	35	240	2.58	0.46	0.53	2.51	0.36	1041.84	99.22	120.22	1020.85	139.09
1	35	241	2.78	0.53	0.55	2.76	-0.19	1087.06	136.48	140.15	1083.39	58.95
1	35	242	3.21	0.23	0.44	3.00	-0.76	1129.64	147.06	147.29	1129.40	-15.23
1	35	243	3.75	-0.11	0.43	3.20	-1.34	1171.73	136.80	145.24	1163.29	-93.10
1	35	244	4.28	-0.16	0.92	3.19	-1.91	1208.26	105.03	137.79	1175.50	-187.26
1	35	245	4.74	0.50	2.35	2.88	-2.10	1227.00	44.61	136.55	1135.06	-316.63
1	35	246	3.43	-1.06	-0.16	2.53	-1.80	1188.48	-127.99	90.32	970.17	-489.63
1	35	247	2.89	-2.19	-1.64	2.34	-1.58	1076.87	-335.60	105.81	635.46	-654.70
1	35	248	1.40	-3.71	-2.97	0.66	-1.80	957.44	-558.64	175.66	223.14	-757.67
1	35	249	3.71e-02	-0.65	-0.64	2.48e-02	-9.11e-02	840.36	-93.23	601.71	145.43	407.25
1	35	250	0.45	2.80e-02	0.24	0.24	-0.21	792.00	29.77	533.84	287.93	360.74
1	35	251	1.70	0.24	1.70	0.25	5.42e-02	813.42	134.36	427.35	520.42	336.33
1	35	252	1.20	0.42	0.98	0.64	0.35	856.30	178.93	320.71	714.52	275.57
1	35	253	1.26	0.10	0.23	1.14	0.36	917.98	195.05	258.66	854.37	204.79
1	35	254	1.55	0.94	0.96	1.53	0.11	972.72	227.87	250.51	950.08	127.87
1	35	255	1.87	0.72	0.81	1.78	-0.31	1019.13	237.26	241.21	1015.19	55.41
1	35	256	2.32	0.47	0.89	1.90	-0.78	1059.72	243.25	243.52	1059.45	-14.79
1	35	257	2.72	0.19	1.03	1.88	-1.19	1094.09	250.98	260.58	1084.49	-89.47
1	35	258	3.22	0.27	1.81	1.68	-1.47	1116.03	262.26	300.11	1078.18	-175.74
1	35	259	2.71	-0.25	1.14	1.32	-1.48	1117.69	229.51	334.21	1012.98	-286.41
1	35	260	1.65	-1.28	-0.64	1.00	-1.22	1090.09	151.65	387.78	853.96	-407.23
1	35	261	1.00	-2.17	-1.83	0.66	-0.98	1055.26	32.38	498.36	589.27	-509.42
1	35	262	0.35	-3.46	-3.34	0.23	-0.69	1075.03	-173.28	647.15	254.60	-592.49



1	35	263	-1.25e-02	-1.01	-0.98	-3.90e-02	-0.16	926.35	78.40	832.38	172.37	266.18
1	35	264	0.19	-0.21	-2.61e-02	3.81e-03	-0.20	853.90	213.37	754.29	312.98	232.13
1	35	265	1.27	6.02e-02	1.25	7.41e-02	-0.13	798.22	349.99	631.78	516.43	216.57
1	35	266	1.86	0.28	1.86	0.28	-2.71e-02	797.00	399.61	515.16	681.45	180.46
1	35	267	0.60	0.23	0.23	0.60	-1.11e-02	848.30	348.33	389.80	806.82	137.90
1	35	268	0.95	0.59	0.64	0.89	-0.13	911.36	326.92	341.25	897.02	90.40
1	35	269	1.41	0.62	0.99	1.04	-0.39	962.01	323.65	326.09	959.57	39.43
1	35	270	1.83	0.42	1.19	1.06	-0.70	1000.48	323.88	324.08	1000.28	-11.76
1	35	271	2.29	0.30	1.65	0.93	-0.93	1023.76	353.72	360.36	1017.13	-66.36
1	35	272	2.48	7.69e-02	1.88	0.67	-1.03	1026.45	390.13	417.36	999.22	-128.79
1	35	273	1.12	-0.87	-0.13	0.38	-0.96	1005.82	386.91	464.18	928.55	-204.58
1	35	274	0.53	-1.30	-0.91	0.14	-0.75	974.78	388.23	577.29	785.73	-274.13
1	35	275	7.35e-02	-2.21	-2.11	-2.23e-02	-0.46	985.32	302.77	725.54	562.56	-331.40
1	35	276	-7.56e-02	-3.65	-3.64	-8.27e-02	-0.16	1087.55	82.10	910.81	258.84	-382.71
1	35	277	-4.05e-02	-1.17	-1.15	-5.44e-02	-0.12	951.33	166.51	936.68	181.15	106.20
1	35	278	3.11e-02	-0.34	-0.26	-5.20e-02	-0.16	868.79	306.58	853.48	321.89	91.50
1	35	279	0.98	-6.59e-02	0.95	-4.09e-02	-0.16	755.73	482.43	724.59	513.57	86.84
1	35	280	1.69	6.55e-02	1.68	7.58e-02	-0.13	714.97	550.26	601.09	664.13	76.08
1	35	281	0.43	1.81e-02	0.18	0.27	-0.20	790.07	451.43	461.62	779.88	57.85
1	35	282	0.93	0.24	0.71	0.46	-0.33	868.23	396.19	399.10	865.33	36.95
1	35	283	1.38	0.33	1.11	0.60	-0.46	926.38	375.52	375.99	925.90	16.16
1	35	284	1.71	0.25	1.38	0.58	-0.61	963.60	373.14	373.21	963.54	-6.14
1	35	285	2.03	0.15	1.74	0.44	-0.68	978.20	411.92	413.98	976.14	-34.08
1	35	286	2.06	5.51e-02	1.88	0.24	-0.58	961.61	474.32	481.33	954.60	-58.02
1	35	287	0.30	-0.58	-0.29	1.09e-02	-0.41	905.59	520.44	542.12	883.92	-88.76
1	35	288	-9.80e-02	-1.23	-1.16	-0.17	-0.28	836.46	586.33	671.73	751.07	-118.61
1	35	289	-0.25	-2.39	-2.39	-0.25	-0.10	893.44	486.16	833.63	545.97	-144.16
1	35	290	-0.17	-3.92	-3.92	-0.17	2.73e-02	1061.29	221.71	1026.64	256.37	-167.02
1	35	291	-5.37e-02	-1.07	-1.06	-5.59e-02	-4.73e-02	944.17	179.18	942.25	181.10	-38.25
1	35	292	-3.89e-02	-0.25	-0.23	-4.98e-02	-4.62e-02	860.78	319.77	858.60	321.94	-34.23
1	35	293	0.90	-4.48e-02	0.89	-4.09e-02	-6.07e-02	734.31	508.07	729.55	512.82	-32.45
1	35	294	1.59	5.28e-02	1.59	5.32e-02	-2.38e-02	677.13	592.32	607.37	662.08	-32.41
1	35	295	0.24	8.99e-02	0.12	0.21	-6.15e-02	778.46	467.41	469.43	776.44	-24.98
1	35	296	0.70	0.35	0.68	0.37	-8.56e-02	860.66	406.73	407.28	860.11	-15.82
1	35	297	1.11	0.48	1.10	0.49	-7.64e-02	919.30	383.57	383.84	919.03	-12.04
1	35	298	1.38	0.45	1.37	0.46	-8.47e-02	955.26	381.23	381.27	955.21	-4.99
1	35	299	1.72	0.33	1.72	0.33	-4.02e-02	966.81	421.01	421.11	966.71	7.26
1	35	300	1.10	0.15	1.09	0.16	9.90e-02	945.07	473.33	473.97	944.43	17.41
1	35	301	8.94e-02	-0.46	-0.35	-2.77e-02	0.23	876.45	547.76	550.31	873.90	28.84
1	35	302	-0.12	-1.35	-1.30	-0.18	0.24	764.39	655.08	677.46	742.01	44.11
1	35	303	-0.21	-2.56	-2.54	-0.24	0.24	848.91	527.69	837.41	539.18	59.67
1	35	304	-0.16	-4.05	-4.04	-0.16	0.14	1032.61	247.03	1026.64	253.00	68.24
1	35	305	-3.70e-02	-0.83	-0.83	-3.70e-02	-1.36e-03	908.94	113.90	850.16	172.68	-208.02
1	35	306	2.70e-02	-8.40e-02	-7.72e-02	2.02e-02	2.67e-02	835.88	248.52	770.72	313.68	-184.46
1	35	307	0.95	8.65e-02	0.95	8.79e-02	-3.46e-02	763.07	400.89	648.92	515.04	-168.26
1	35	308	1.59	0.21	1.59	0.21	-5.44e-02	760.01	454.19	538.16	676.04	-136.49
1	35	309	0.93	0.40	0.93	0.40	4.61e-03	820.93	407.93	432.69	796.17	-98.05
1	35	310	0.74	0.41	0.56	0.59	0.17	887.86	360.15	367.05	880.97	-59.93
1	35	311	1.17	0.49	0.97	0.70	0.31	939.80	350.31	351.24	938.86	-23.46
1	35	312	1.48	0.44	1.23	0.69	0.44	975.61	350.32	350.53	975.40	11.40
1	35	313	1.87	0.30	1.59	0.58	0.59	992.63	380.68	384.56	988.74	48.62
1	35	314	1.45	-2.20e-02	1.00	0.42	0.67	984.14	410.39	425.45	969.08	91.73
1	35	315	0.69	-0.83	-0.40	0.26	0.69	943.56	439.80	485.42	897.94	144.57
1	35	316	0.38	-1.59	-1.33	0.12	0.66	886.60	467.80	596.45	757.95	193.20
1	35	317	0.15	-2.67	-2.52	1.06e-02	0.62	895.16	387.37	740.78	541.75	233.58
1	35	318	-1.90e-02	-3.98	-3.94	-5.58e-02	0.38	1010.68	153.70	915.90	248.47	268.77
1	35	319	5.12e-02	-0.46	-0.44	2.60e-02	-0.11	822.10	-33.99	640.04	148.06	-350.30
1	35	320	0.32	7.57e-02	9.19e-02	0.31	-6.14e-02	776.24	87.71	572.07	291.88	-314.47
1	35	321	1.11	0.30	1.07	0.34	-0.18	784.47	206.55	470.63	520.39	-287.89
1	35	322	1.74	0.46	1.67	0.53	-0.29	828.48	271.69	392.24	707.93	-229.32
1	35	323	0.89	-0.11	-5.16e-02	0.83	-0.24	882.75	261.63	305.90	838.48	-159.82
1	35	324	1.07	0.64	0.64	1.07	6.92e-03	938.55	278.79	293.09	924.25	-96.06
1	35	325	1.34	0.68	0.82	1.20	0.27	982.85	285.95	288.12	980.68	-38.78
1	35	326	1.63	0.52	0.90	1.24	0.53	1018.54	289.22	289.53	1018.24	14.83
1	35	327	1.89	0.27	0.95	1.21	0.80	1044.70	298.59	305.57	1037.72	71.85
1	35	328	1.96	-2.73e-03	0.87	1.09	0.97	1053.94	303.29	330.45	1026.78	140.18
1	35	329	1.46	-0.96	-0.44	0.93	1.00	1035.58	277.76	353.64	959.69	227.49
1	35	330	1.23	-1.72	-1.36	0.87	0.97	988.33	240.30	423.29	805.33	321.55
1	35	331	1.01	-2.85	-2.53	0.69	1.06	943.85	139.88	529.96	553.77	401.80
1	35	332	0.45	-3.98	-3.79	0.26	0.89	966.83	-61.21	667.96	237.66	466.83
1	35	333	0.59	-0.88	-0.18	-0.10	-0.73	621.30	-298.55	244.78	77.97	-452.30
1	35	334	1.29	2.55e-03	2.70e-02	1.26	-0.18	643.82	-192.84	213.11	237.87	-418.14
1	35	335	1.42	0.61	1.20	0.83	-0.36	774.52	-68.38	170.43	535.71	-379.82
1	35	336	1.60	0.17	0.60	1.17	-0.66	873.36	42.25	151.25	764.36	-280.55
1	35	337	1.87	0.42	0.63	1.67	-0.51	947.20	131.32	175.96	902.56	-185.56
1	35	338	1.86	0.55	0.56	1.85	-0.11	998.29	183.14	197.39	984.04	-106.84



1	35	339	2.00	0.51	0.55	1.96	0.25	1037.57	209.04	211.23	1035.39	-42.50
1	35	340	2.27	0.36	0.57	2.06	0.60	1073.12	218.32	218.59	1072.85	15.17
1	35	341	2.62	0.13	0.61	2.14	0.98	1106.20	213.60	220.22	1099.58	76.60
1	35	342	2.88	-9.50e-02	0.68	2.10	1.30	1130.01	185.74	210.97	1104.78	152.26
1	35	343	2.82	-0.14	0.71	1.98	1.34	1129.59	120.92	191.72	1058.79	257.68
1	35	344	2.44	-1.82	-1.42	2.05	1.24	1072.10	-20.94	154.32	896.84	401.06
1	35	345	2.74	-3.32	-2.81	2.23	1.68	956.57	-193.08	181.55	581.94	538.83
1	35	346	1.60	-4.16	-3.34	0.77	2.02	839.33	-396.45	242.76	200.12	617.53
1	35	347	-2.31	-5.94	-5.83	-2.41	-0.61	95.29	-709.60	-474.56	-139.75	-365.97
1	35	348	5.01	3.32	3.35	4.98	0.23	409.76	-551.66	-282.55	140.64	-431.64
1	35	349	1.98	-0.88	-0.74	1.83	-0.63	750.57	-435.80	-293.45	608.23	-385.51
1	35	350	3.53	-3.96e-02	0.47	3.02	-1.25	906.83	-153.08	-92.83	846.58	-245.42
1	35	351	3.02	0.47	0.62	2.87	-0.60	1000.05	15.74	39.72	976.07	-151.73
1	35	352	2.76	0.39	0.39	2.75	-8.54e-02	1051.81	102.16	109.73	1044.24	-84.43
1	35	353	2.80	0.22	0.25	2.77	0.28	1088.80	144.28	145.40	1087.68	-32.50
1	35	354	3.08	4.40e-02	0.17	2.96	0.60	1124.49	156.91	157.07	1124.34	12.23
1	35	355	3.56	-0.30	-3.18e-02	3.30	0.97	1161.32	138.30	141.87	1157.75	60.30
1	35	356	4.19	-0.62	-0.14	3.71	1.45	1193.16	83.01	95.94	1180.22	119.14
1	35	357	4.74	-0.33	0.61	3.81	1.96	1207.26	-20.57	14.20	1172.49	203.67
1	35	358	3.73	0.67	0.73	3.67	0.44	1158.57	-247.07	-153.21	1064.71	350.88
1	35	359	7.97	-6.76	-5.79	6.99	3.66	923.36	-630.84	-343.43	635.94	603.40
1	35	360	2.20	-3.02	0.19	-1.01	2.54	482.17	-915.24	-502.80	69.73	637.37
1	35	361	13.53	1.61	13.51	1.64	-0.55	-916.82	-1473.92	-1449.12	-941.63	114.91
1	35	362	-5.15	-10.26	-5.54	-9.88	1.35	212.21	-1393.00	-1208.81	28.02	-511.61
1	35	363	8.46	-5.60	-0.12	2.98	-6.86	674.24	-648.70	-602.66	628.20	-242.48
1	35	364	5.16	-0.47	-0.33	5.02	-0.88	929.62	-237.43	-227.37	919.57	-107.85
1	35	365	3.89	1.18e-02	1.43e-02	3.89	-9.88e-02	1030.41	-44.87	-41.02	1026.56	-64.21
1	35	366	3.44	0.30	0.32	3.42	0.26	1084.73	63.87	65.17	1083.43	-36.39
1	35	367	3.38	-6.32e-02	-1.40e-02	3.33	0.41	1122.18	109.05	109.21	1122.01	-12.94
1	35	368	3.66	-0.16	-9.49e-02	3.59	0.51	1157.88	125.31	125.37	1157.83	7.33
1	35	369	4.30	-0.67	-0.58	4.21	0.66	1195.26	99.53	100.35	1194.44	29.98
1	35	370	5.50	-0.80	-0.65	5.35	0.95	1228.17	40.74	43.26	1225.65	54.64
1	35	371	7.31	-1.72	-1.32	6.90	1.86	1237.65	-92.11	-86.36	1231.90	87.23
1	35	372	9.21	-2.09	0.72	6.40	4.88	1225.67	-326.04	-304.98	1204.61	179.52
1	35	373	11.04	-3.02	9.67	-1.64	-4.18	1142.87	-856.95	-785.09	1071.01	372.21
1	35	374	19.03	-10.01	10.69	-1.66	-13.14	-519.80	-1866.09	-1749.62	-636.28	378.48
1	35	375	31.41	8.68	31.39	8.70	-0.67	97.08	-1295.13	-1291.85	93.80	67.46
1	35	376	19.18	1.60	1.64	19.14	-0.88	809.03	-536.20	-535.30	808.13	-34.80
1	35	377	4.95	0.35	0.42	4.88	0.58	923.90	-229.92	-229.52	923.50	-21.54
1	35	378	4.08	0.48	0.57	3.99	0.54	1035.05	-32.57	-32.33	1034.81	-16.08
1	35	379	3.57	0.20	0.28	3.48	0.54	1089.84	62.92	63.04	1089.73	-11.00
1	35	380	3.49	-6.36e-03	6.78e-02	3.42	0.50	1128.68	109.79	109.81	1128.66	-4.35
1	35	381	3.75	-0.19	-0.13	3.69	0.47	1164.45	124.20	124.22	1164.43	4.73
1	35	382	4.39	-0.66	-0.63	4.35	0.44	1201.51	100.39	100.61	1201.29	15.50
1	35	383	5.49	-1.00	-0.98	5.46	0.38	1231.46	39.66	40.40	1230.72	29.76
1	35	384	8.05	0.44	0.44	8.04	0.23	1250.60	-51.78	-51.01	1249.83	31.67
1	35	385	16.63	-0.87	-0.82	16.58	0.98	1302.54	-295.99	-295.24	1301.79	34.67
1	35	386	42.84	-4.16	42.83	-4.14	0.83	1332.14	-332.35	-331.89	1331.68	-27.72
1	35	387	11.54	-4.78	9.16	-2.40	5.76	-580.08	-926.08	-883.26	-622.90	-113.94
1	35	388	-1.23	-7.45	-2.97	-5.71	-2.79	201.36	-1109.61	-935.09	26.84	445.34
1	35	389	7.55	-5.81	-0.94	2.68	6.43	663.87	-571.27	-532.78	625.38	214.61
1	35	390	5.43	-1.13	-0.87	5.17	1.27	923.72	-212.15	-206.59	918.16	79.29
1	35	391	4.11	-7.76e-02	4.51e-02	3.99	0.71	1033.21	-26.50	-24.94	1031.65	40.61
1	35	392	3.55	0.33	0.36	3.52	0.34	1092.47	72.18	72.65	1092.00	21.82
1	35	393	3.43	-1.65e-03	-9.86e-04	3.43	4.77e-02	1132.35	112.70	112.90	1132.15	14.20
1	35	394	3.72	-0.10	-9.17e-02	3.71	-0.19	1168.21	128.72	128.78	1168.16	7.37
1	35	395	4.41	-0.63	-0.59	4.38	-0.43	1203.48	105.96	105.96	1203.48	0.25
1	35	396	5.70	-0.78	-0.68	5.60	-0.80	1231.43	55.87	56.06	1231.24	-14.91
1	35	397	7.94	-1.56	-1.20	7.57	-1.82	1236.05	-58.72	-56.78	1234.10	-50.12
1	35	398	10.83	-2.46	0.44	7.93	-5.49	1224.77	-253.16	-236.34	1207.95	-156.78
1	35	399	16.27	1.61	13.84	4.04	5.45	1088.15	-707.36	-619.72	1000.52	-386.87
1	35	400	9.82	-6.66	6.79	-3.63	6.38	-229.53	-1199.33	-1090.72	-338.15	-305.85
1	35	401	-2.97	-8.24	-8.24	-2.97	-2.33e-02	119.17	-464.64	-258.54	-86.93	279.01
1	35	402	5.58	2.62	4.50	3.70	-1.42	386.44	-286.55	-102.98	202.87	299.74
1	35	403	3.31	-1.09	-0.29	2.52	1.69	724.16	-274.15	-177.08	627.09	295.77
1	35	404	3.94	-0.22	0.57	3.15	1.63	890.97	-63.37	-29.10	856.69	177.58
1	35	405	3.27	2.83e-02	0.22	3.08	0.77	1005.82	49.88	60.63	995.08	100.78
1	35	406	3.00	0.16	0.17	2.99	0.13	1074.10	114.12	116.91	1071.32	51.62
1	35	407	3.12	0.26	0.32	3.05	-0.42	1119.35	150.35	150.75	1118.96	19.55
1	35	408	3.54	-4.05e-02	0.22	3.29	-0.92	1156.26	161.24	161.29	1156.21	-7.41
1	35	409	4.20	-0.26	0.24	3.71	-1.40	1187.58	155.73	156.96	1186.36	-35.59
1	35	410	5.10	-0.52	0.33	4.25	-2.01	1206.83	124.25	129.62	1201.47	-76.03
1	35	411	5.99	-0.75	0.72	4.51	-2.79	1203.05	53.27	71.36	1184.96	-143.08
1	35	412	5.43	1.07	2.13	4.38	-1.87	1139.24	-91.95	-28.10	1075.39	-273.02
1	35	413	7.48	-3.92	-2.81	6.37	-3.37	893.87	-360.83	-140.96	674.00	-477.00
1	35	414	-1.18	-4.36	-3.08	-2.46	-1.56	491.45	-628.92	-257.79	120.31	-527.32



1	35	415	0.70	-1.05	-0.21	-0.14	0.87	570.53	-75.85	381.70	112.98	293.94
1	35	416	1.02	0.49	0.57	0.95	0.19	575.57	37.29	327.91	284.95	268.28
1	35	417	1.28	-2.06e-02	0.43	0.83	0.62	704.88	106.42	234.42	576.89	245.39
1	35	418	1.76	-0.79	-0.41	1.38	0.90	848.50	120.38	165.92	802.96	176.31
1	35	419	2.09	-0.32	-0.17	1.95	0.57	962.46	157.50	172.90	947.06	110.28
1	35	420	2.23	0.39	0.39	2.22	8.42e-02	1040.92	187.94	192.29	1036.57	60.72
1	35	421	2.52	0.42	0.53	2.41	-0.47	1093.62	204.67	205.29	1093.00	23.53
1	35	422	3.02	0.28	0.72	2.57	-1.01	1131.41	212.64	212.70	1131.35	-7.34
1	35	423	3.56	0.10	0.97	2.69	-1.50	1156.26	224.00	225.86	1154.40	-41.56
1	35	424	4.04	-0.11	1.29	2.64	-1.96	1160.75	227.39	236.07	1152.06	-89.61
1	35	425	4.46	0.16	2.28	2.35	-2.15	1128.82	228.68	259.98	1097.52	-164.91
1	35	426	3.39	-0.75	0.57	2.07	-1.93	1034.89	160.44	262.07	933.26	-280.25
1	35	427	2.46	-3.24	-2.67	1.90	-1.71	881.75	29.04	289.41	621.38	-392.72
1	35	428	1.08	-4.67	-4.10	0.52	-1.71	773.29	-155.91	386.30	231.08	-458.07
1	35	429	0.13	-0.56	-0.45	2.49e-02	0.25	740.76	125.77	693.70	172.83	163.48
1	35	430	0.63	0.16	0.53	0.25	0.19	672.63	272.17	613.16	331.64	142.41
1	35	431	0.40	-0.89	-0.84	0.35	0.24	652.52	354.49	432.62	574.39	131.08
1	35	432	0.79	-0.59	-0.54	0.74	0.27	795.07	305.50	328.17	772.41	102.88
1	35	433	1.23	4.29e-02	5.27e-02	1.22	0.11	920.77	270.36	277.73	913.40	68.84
1	35	434	1.64	0.40	0.43	1.61	-0.19	1009.70	258.41	260.49	1007.61	39.50
1	35	435	2.10	0.52	0.78	1.85	-0.59	1069.42	255.19	255.49	1069.11	15.79
1	35	436	2.63	0.49	1.18	1.94	-1.00	1107.84	259.49	259.52	1107.80	-5.66
1	35	437	3.09	0.43	1.62	1.89	-1.32	1125.38	282.46	283.54	1124.30	-30.16
1	35	438	3.43	0.27	2.05	1.65	-1.56	1111.49	318.30	323.60	1106.19	-64.61
1	35	439	3.44	9.14e-02	2.24	1.29	-1.60	1049.29	376.72	397.29	1028.72	-115.81
1	35	440	2.90	-5.67e-02	1.88	0.97	-1.41	935.67	419.83	493.31	862.18	-180.30
1	35	441	0.95	-3.23	-2.89	0.62	-1.14	810.67	332.72	545.93	597.45	-237.58
1	35	442	0.28	-4.75	-4.63	0.16	-0.76	838.30	124.95	703.27	259.97	-279.44
1	35	443	-1.55e-02	-0.71	-0.70	-2.79e-02	9.23e-02	807.01	190.12	806.98	190.14	-4.15
1	35	444	0.49	-1.48e-02	0.41	6.79e-02	0.19	718.88	348.42	718.76	348.55	-6.74
1	35	445	1.82	0.19	1.77	0.24	0.29	580.35	577.27	580.12	577.50	0.81
1	35	446	0.58	-0.70	-0.63	0.51	0.30	763.61	397.02	397.14	763.50	6.39
1	35	447	0.95	0.13	0.13	0.95	7.96e-03	901.53	323.99	324.01	901.51	3.16
1	35	448	1.53	0.39	0.59	1.34	-0.43	996.29	297.74	297.75	996.28	-2.74
1	35	449	2.05	0.50	0.98	1.58	-0.72	1059.01	279.04	279.04	1059.01	0.22
1	35	450	2.45	0.59	1.40	1.64	-0.92	1097.34	280.64	280.64	1097.33	-1.83
1	35	451	2.74	0.64	1.84	1.53	-1.04	1110.02	305.45	305.49	1109.98	-5.80
1	35	452	2.87	0.57	2.21	1.23	-1.04	1084.27	355.19	355.65	1083.81	-18.36
1	35	453	2.66	0.49	2.26	0.89	-0.84	998.89	456.79	457.24	998.43	-15.74
1	35	454	0.96	-0.30	7.14e-02	0.59	-0.57	838.79	536.87	541.22	834.43	-35.99
1	35	455	0.31	-3.24	-3.21	0.28	-0.32	680.98	553.42	647.43	586.97	-56.16
1	35	456	3.30e-02	-5.04	-5.03	3.06e-02	-0.11	834.28	256.12	825.69	264.72	-69.98
1	35	457	5.21e-02	-0.63	-0.63	5.11e-02	-2.51e-02	782.75	158.04	756.98	183.81	-124.24
1	35	458	0.51	1.14e-02	0.34	0.19	0.24	702.83	310.62	669.60	343.86	-109.23
1	35	459	1.90	0.18	1.82	0.26	0.36	659.58	457.93	536.94	580.56	-98.44
1	35	460	0.68	-0.69	-0.61	0.60	0.32	788.41	347.61	362.95	773.07	-80.80
1	35	461	1.09	8.77e-02	0.11	1.07	0.14	917.03	295.62	300.38	912.28	-54.16
1	35	462	1.47	0.55	0.56	1.47	-6.38e-02	1009.11	272.16	274.93	1006.33	-45.16
1	35	463	1.72	0.94	0.96	1.70	-0.10	1068.71	265.12	266.03	1067.80	-27.02
1	35	464	1.77	1.38	1.40	1.76	-7.80e-02	1105.29	268.17	268.26	1105.20	-8.81
1	35	465	1.87	1.65	1.87	1.65	-6.83e-03	1118.76	290.32	290.55	1118.52	13.83
1	35	466	2.29	1.36	2.28	1.36	8.30e-02	1096.55	340.67	343.24	1093.98	44.04
1	35	467	2.38	0.98	2.35	1.01	0.19	1019.46	417.55	428.55	1008.46	80.64
1	35	468	0.83	-0.89	-0.86	0.80	0.22	888.56	437.62	487.09	839.09	140.92
1	35	469	0.68	-3.57	-3.54	0.64	0.40	766.15	419.31	602.89	582.57	173.12
1	35	470	0.34	-5.38	-5.32	0.27	0.59	831.54	192.09	767.11	256.52	192.48
1	35	471	0.32	-1.04	-0.74	3.02e-02	-0.56	667.16	-3.10	521.95	142.11	-276.12
1	35	472	0.98	-0.10	0.14	0.74	0.45	647.80	125.50	455.77	317.52	-251.83
1	35	473	2.09	0.60	2.08	0.60	1.74e-02	729.13	215.64	355.59	589.18	-228.64
1	35	474	1.22	0.15	0.26	1.11	-0.33	850.90	198.53	246.44	803.00	-170.16
1	35	475	1.67	-5.79e-02	-5.08e-02	1.66	-0.11	961.31	195.56	211.62	945.25	-109.74
1	35	476	2.03	0.30	0.33	2.00	0.24	1040.09	203.97	208.32	1035.74	-60.19
1	35	477	2.36	0.57	0.73	2.19	0.51	1093.42	216.63	217.24	1092.82	-22.94
1	35	478	2.64	0.82	1.18	2.27	0.73	1129.24	225.75	225.86	1129.13	9.99
1	35	479	2.99	0.97	1.70	2.26	0.97	1149.43	241.11	243.55	1146.99	46.99
1	35	480	3.27	1.03	2.24	2.07	1.12	1143.83	265.74	276.36	1133.21	95.98
1	35	481	3.20	1.09	2.59	1.70	0.95	1094.19	282.12	316.77	1059.53	164.13
1	35	482	1.59	-1.71	-1.64	1.51	0.48	982.32	209.82	310.75	881.38	260.36
1	35	483	1.70	-4.10	-4.06	1.66	0.53	836.87	148.40	403.90	581.36	332.61
1	35	484	1.05	-6.02	-5.62	0.65	1.63	774.96	-30.35	521.66	222.95	373.93
1	35	485	-1.58	-8.45	-8.43	-1.60	0.28	315.23	-319.80	4.39	-8.96	-317.44
1	35	486	4.28	-0.70	2.25	1.33	2.45	484.43	-158.60	69.48	256.35	-307.64
1	35	487	4.49	0.56	2.49	2.56	-1.97	770.15	-90.02	49.36	630.77	-316.96
1	35	488	2.88	-1.14	-0.89	2.63	-0.98	904.41	-25.56	24.19	854.66	-209.27
1	35	489	2.77	-0.45	-0.41	2.73	-0.37	1012.91	63.34	79.81	996.44	-123.95
1	35	490	2.80	0.33	0.33	2.80	8.72e-02	1080.52	125.46	129.88	1076.10	-64.82



1	35	491	2.97	0.44	0.52	2.90	0.43	1125.39	153.75	154.36	1124.79	-24.23
1	35	492	3.23	0.55	0.76	3.02	0.72	1159.54	166.73	166.82	1159.45	9.32
1	35	493	3.70	0.88	1.36	3.22	1.06	1185.87	175.42	177.56	1183.73	46.45
1	35	494	4.23	1.13	1.98	3.38	1.38	1196.08	162.48	171.83	1186.72	97.88
1	35	495	4.41	1.74	2.59	3.55	1.24	1170.76	123.81	151.13	1143.44	166.91
1	35	496	3.67	0.53	0.67	3.53	0.66	1077.55	-12.41	78.64	986.50	301.57
1	35	497	4.00	-4.77	-4.65	3.88	1.03	834.60	-199.60	36.85	598.15	434.31
1	35	498	-1.81	-5.78	-4.66	-2.92	1.79	535.42	-398.15	29.90	107.37	465.17
1	35	499	13.23	-14.36	11.95	-13.08	-5.80	-111.42	-563.42	-452.77	-222.07	-194.35
1	35	500	-0.42	-7.56	-7.54	-0.45	0.43	286.68	-832.39	-572.32	26.61	-472.65
1	35	501	3.40	-2.17	-2.16	3.39	0.23	735.25	-527.32	-440.59	648.52	-319.35
1	35	502	4.42	-1.09	-0.94	4.27	-0.90	954.25	-233.22	-209.97	931.00	-164.53
1	35	503	3.92	-0.84	-0.75	3.83	-0.65	1056.78	-61.13	-54.30	1049.95	-87.14
1	35	504	3.62	-7.71e-02	-3.95e-02	3.58	-0.37	1113.41	45.63	47.67	1111.36	-46.67
1	35	505	3.55	0.30	0.31	3.55	-0.16	1150.58	99.05	99.53	1150.10	-22.56
1	35	506	3.72	0.34	0.34	3.72	4.17e-02	1182.54	114.48	114.51	1182.52	-5.42
1	35	507	4.19	0.66	0.69	4.16	0.32	1213.18	107.00	107.26	1212.93	16.68
1	35	508	4.94	1.52	1.64	4.82	0.63	1234.28	72.47	74.67	1232.07	50.55
1	35	509	5.92	2.49	2.67	5.74	0.76	1230.27	-20.75	-11.92	1221.44	104.74
1	35	510	8.07	3.27	3.34	7.99	-0.59	1186.02	-207.96	-165.09	1143.15	240.67
1	35	511	7.02	-3.21	0.93	2.88	-5.02	833.29	-714.60	-515.43	634.13	518.29
1	35	512	12.35	-11.79	12.33	-11.76	-0.84	176.83	-832.05	-601.07	-54.14	423.88
1	35	513	3.10	-0.23	-8.49e-02	2.95	-0.68	1002.60	-39.83	-15.27	978.04	158.11
1	35	514	18.86	-10.22	18.60	-9.96	-2.73	155.22	-1702.75	-1702.06	154.53	35.66
1	35	515	11.59	7.56	9.17	9.98	-1.97	827.85	-661.61	-660.53	826.77	40.13
1	35	516	5.38	-0.22	-0.20	5.36	-0.35	971.68	-336.99	-335.65	970.34	41.81
1	35	517	4.43	-0.93	-0.89	4.40	-0.42	1069.86	-123.46	-122.92	1069.32	25.48
1	35	518	3.99	9.03e-02	0.15	3.93	-0.49	1118.14	15.33	15.46	1118.01	12.11
1	35	519	3.91	3.68e-02	0.14	3.81	-0.61	1150.24	72.76	72.76	1150.24	-1.90
1	35	520	4.12	4.17e-02	0.16	4.00	-0.69	1181.25	91.65	91.99	1180.92	-19.03
1	35	521	4.65	9.23e-02	0.21	4.53	-0.72	1214.77	70.59	71.51	1213.86	-32.42
1	35	522	5.51	1.37	1.49	5.38	-0.71	1243.15	26.10	27.85	1241.40	-46.12
1	35	523	6.44	3.23	3.26	6.42	-0.29	1254.64	-92.40	-90.21	1252.45	-54.17
1	35	524	11.23	4.73	10.74	5.22	1.72	1272.35	-322.83	-320.95	1270.47	-54.73
1	35	525	27.83	-19.91	27.57	-19.66	3.48	1161.96	-947.65	-946.62	1160.94	-46.46
1	35	526	3.96	-4.82	-4.81	3.95	0.32	650.54	-145.29	-52.09	557.34	255.89
1	35	527	-1.22	-5.05	-3.43	-2.84	1.89	270.16	-252.68	-67.01	84.49	250.21
1	35	528	12.77	-11.82	11.67	-10.72	-5.10	-270.44	-550.46	-540.27	-280.64	-52.45
1	35	529	0.56	-5.53	-5.16	0.18	1.46	208.09	-744.57	-593.50	57.02	-347.99
1	35	530	3.14	-1.26	-1.26	3.14	8.98e-02	754.50	-435.24	-404.75	724.01	-188.01
1	35	531	4.05	-0.33	-0.17	3.89	-0.80	1004.66	-179.87	-176.66	1001.45	-61.60
1	35	532	3.80	-0.31	-0.15	3.63	-0.81	1121.10	-30.89	-30.52	1120.73	-20.63
1	35	533	3.59	-0.15	-6.32e-04	3.45	-0.73	1181.01	55.25	55.39	1180.87	-12.53
1	35	534	3.52	0.10	0.23	3.40	-0.64	1215.87	101.45	101.59	1215.73	-12.61
1	35	535	3.58	0.36	0.46	3.49	-0.55	1240.40	117.34	117.56	1240.18	-15.51
1	35	536	3.78	0.77	0.82	3.72	-0.41	1257.84	109.71	110.45	1257.10	-29.16
1	35	537	4.09	1.27	1.28	4.08	-0.20	1257.28	67.15	67.62	1256.82	-23.57
1	35	538	4.48	1.95	1.95	4.48	-8.22e-03	1215.90	-25.08	-25.08	1215.89	2.65
1	35	539	9.90	-7.89	9.44	-7.43	2.82	-371.05	-798.00	-745.62	-423.43	140.07
1	35	540	2.35	-7.26	-5.53	0.62	-3.70	299.66	-1120.82	-823.11	1.95	578.15
1	35	541	3.24	-3.21	-2.02	2.05	2.50	755.79	-672.96	-562.76	645.59	381.20
1	35	542	4.67	-0.46	-0.33	4.54	0.80	965.25	-281.79	-249.51	932.96	198.04
1	35	543	4.03	-0.30	-0.29	4.02	0.15	1051.76	-83.42	-70.96	1039.30	118.29
1	35	544	3.66	0.62	0.62	3.66	-0.16	1097.63	43.62	48.00	1093.24	67.85
1	35	545	3.63	0.15	0.22	3.56	-0.49	1128.10	90.22	90.91	1127.40	26.89
1	35	546	3.89	8.29e-02	0.25	3.72	-0.77	1158.07	107.03	107.21	1157.89	-13.85
1	35	547	4.41	5.30e-02	0.30	4.17	-1.01	1191.63	89.14	91.74	1189.03	-53.48
1	35	548	5.26	1.14	1.57	4.83	-1.26	1221.04	48.14	57.03	1212.15	-101.70
1	35	549	6.13	2.12	2.59	5.66	-1.28	1231.08	-71.56	-48.87	1208.39	-170.44
1	35	550	6.97	2.68	2.95	6.70	-1.05	1213.08	-321.49	-252.46	1144.05	-318.08
1	35	551	13.72	-3.95	5.42	4.36	8.82	968.85	-869.43	-658.71	758.13	-585.63
1	35	552	8.92	-7.24	7.15	-5.47	5.04	-2.30	-1156.44	-930.65	-228.09	-457.84
1	35	553	-1.54	-8.63	-8.56	-1.61	0.69	312.81	-595.47	-219.39	-63.27	447.38
1	35	554	5.73	1.94	3.83	3.84	-1.89	535.16	-377.91	-67.67	224.93	432.46
1	35	555	4.57	1.25	2.25	3.57	1.52	826.69	-289.60	-85.71	622.80	431.31
1	35	556	3.57	0.93	1.55	2.95	1.12	932.07	-97.15	-4.85	839.76	294.08
1	35	557	3.09	1.07	1.24	2.92	0.56	1007.62	34.33	72.97	968.98	190.05
1	35	558	2.88	1.31	1.32	2.87	0.10	1050.12	117.57	130.56	1037.13	109.29
1	35	559	2.95	0.75	0.83	2.88	-0.39	1079.79	149.84	151.92	1077.71	43.91
1	35	560	3.26	0.35	0.61	3.00	-0.83	1108.99	157.07	157.37	1108.69	-16.88
1	35	561	3.76	0.40	0.92	3.24	-1.21	1140.22	152.17	158.77	1133.62	-80.52
1	35	562	4.31	0.52	1.31	3.52	-1.54	1166.41	111.58	135.21	1142.79	-156.09
1	35	563	4.57	0.97	1.73	3.81	-1.47	1173.76	23.73	83.56	1113.93	-255.40
1	35	564	4.55	0.40	0.40	4.55	-0.13	1132.28	-174.11	-23.06	981.22	-417.75
1	35	565	8.06	-5.48	-5.04	7.62	-2.40	936.93	-442.95	-96.48	590.45	-598.37
1	35	566	0.74	-6.21	-3.95	-1.52	-3.26	599.61	-728.17	-211.80	83.24	-647.29



1	35	567	1.73	-0.57	1.06	0.11	1.05	745.52	-213.92	417.42	114.18	455.13
1	35	568	1.46	0.96	1.01	1.41	0.14	737.46	-91.76	361.92	283.78	412.76
1	35	569	2.31	0.95	2.20	1.06	0.37	817.35	22.45	285.51	554.28	374.04
1	35	570	2.90	1.06	2.60	1.35	0.68	889.04	124.69	251.38	762.35	284.22
1	35	571	2.51	1.38	2.19	1.70	0.51	946.63	183.88	239.01	891.50	197.52
1	35	572	1.93	1.25	1.28	1.90	0.14	986.79	207.51	225.34	968.95	116.54
1	35	573	2.14	1.07	1.20	2.01	-0.35	1018.65	227.33	230.01	1015.97	45.91
1	35	574	2.53	0.60	1.04	2.09	-0.81	1047.21	231.25	231.65	1046.81	-18.04
1	35	575	2.95	0.45	1.25	2.16	-1.16	1073.16	237.34	246.44	1064.06	-86.75
1	35	576	3.06	3.16e-02	0.96	2.14	-1.40	1090.15	215.59	249.09	1056.65	-167.84
1	35	577	2.59	-1.23	-0.72	2.09	-1.30	1086.45	142.79	231.76	997.48	-275.75
1	35	578	2.63	-2.31	-2.06	2.38	-1.08	1046.71	47.42	258.96	835.17	-408.21
1	35	579	3.08	-4.38	-4.02	2.71	-1.60	962.50	-97.94	319.69	544.86	-518.13
1	35	580	2.00	-5.65	-4.70	1.05	-2.52	903.29	-298.19	407.68	197.42	-591.47
1	35	581	0.82	-5.65e-03	0.77	4.70e-02	0.20	900.45	16.11	751.54	165.02	330.92
1	35	582	1.26	0.31	1.25	0.33	0.12	833.09	149.09	667.60	314.58	292.94
1	35	583	2.10	0.35	2.08	0.38	0.21	806.05	271.65	543.10	534.60	267.17
1	35	584	2.55	0.51	2.50	0.56	0.31	829.30	324.57	444.53	709.34	214.84
1	35	585	2.42	0.80	2.38	0.85	0.25	877.74	328.23	375.90	830.07	154.66
1	35	586	1.15	1.08	1.14	1.08	1.20e-02	923.57	299.80	314.90	908.48	95.84
1	35	587	1.67	0.91	1.36	1.22	-0.37	960.19	302.26	304.33	958.12	36.85
1	35	588	2.05	0.57	1.35	1.28	-0.74	988.38	304.77	305.13	988.02	-15.71
1	35	589	2.57	0.50	1.81	1.26	-1.00	1006.46	331.70	339.79	998.37	-73.44
1	35	590	2.00	-0.36	0.48	1.16	-1.13	1008.17	325.54	355.54	978.17	-139.93
1	35	591	1.55	-1.42	-0.92	1.06	-1.10	990.15	314.25	398.45	905.95	-223.20
1	35	592	1.37	-2.52	-2.21	1.07	-1.05	954.26	284.45	482.19	756.52	-305.52
1	35	593	1.22	-4.02	-3.73	0.93	-1.20	933.57	185.71	595.85	523.44	-372.17
1	35	594	0.61	-5.37	-5.17	0.40	-1.10	976.80	-16.65	732.13	228.02	-428.03
1	35	595	0.34	-6.19e-02	0.32	-5.02e-02	6.72e-02	963.17	142.31	923.32	182.16	176.42
1	35	596	1.08	9.25e-03	1.08	1.16e-02	5.02e-02	875.42	285.31	832.20	328.53	153.75
1	35	597	2.01	9.68e-02	2.01	9.87e-02	6.08e-02	771.49	447.30	691.63	527.16	139.68
1	35	598	2.47	0.18	2.46	0.18	5.98e-02	751.89	494.91	566.40	680.39	115.15
1	35	599	1.10	0.34	1.10	0.34	5.95e-04	810.83	421.73	441.32	791.23	85.09
1	35	600	1.35	0.51	1.32	0.54	-0.17	873.39	379.16	384.96	867.58	53.24
1	35	601	1.59	0.47	1.39	0.67	-0.43	917.72	360.86	361.56	917.02	19.80
1	35	602	1.91	0.33	1.55	0.68	-0.66	945.11	359.95	360.13	944.93	-10.25
1	35	603	2.35	0.25	1.97	0.62	-0.81	954.03	399.93	403.53	950.44	-44.47
1	35	604	1.39	-0.37	0.51	0.51	-0.88	939.05	421.98	436.95	924.08	-86.68
1	35	605	0.79	-1.45	-1.03	0.37	-0.87	893.52	461.02	504.37	850.17	-129.89
1	35	606	0.52	-2.55	-2.31	0.28	-0.82	843.68	485.54	614.35	714.88	-171.87
1	35	607	0.24	-4.00	-3.86	9.87e-02	-0.76	868.43	392.37	750.50	510.30	-205.51
1	35	608	2.75e-02	-5.64	-5.60	-1.33e-02	-0.48	984.82	159.87	910.43	234.27	-236.30
1	35	609	0.17	-0.11	0.15	-8.90e-02	8.08e-02	986.29	186.73	986.28	186.75	3.83
1	35	610	0.97	-0.10	0.96	-9.62e-02	7.49e-02	892.67	332.58	892.66	332.58	1.05
1	35	611	1.98	-8.95e-02	1.97	-8.36e-02	0.11	747.32	524.01	747.22	524.11	4.72
1	35	612	2.49	1.78e-02	2.48	2.75e-02	0.15	671.74	613.15	614.09	670.80	7.35
1	35	613	1.16	0.20	1.14	0.22	0.13	778.77	478.84	479.03	778.59	7.40
1	35	614	0.56	0.37	0.52	0.41	7.04e-02	853.56	397.03	397.17	853.42	7.92
1	35	615	1.30	0.46	1.30	0.47	-5.29e-02	901.25	386.07	386.07	901.25	1.54
1	35	616	1.65	0.44	1.63	0.45	-0.15	927.76	383.90	383.90	927.76	6.50e-02
1	35	617	2.06	0.34	2.04	0.37	-0.20	931.16	430.61	430.63	931.14	-3.30
1	35	618	1.18	0.15	1.12	0.22	-0.25	902.62	481.74	482.02	902.34	-10.97
1	35	619	0.13	-1.15	-1.08	6.02e-02	-0.30	830.34	544.82	545.79	829.37	-16.60
1	35	620	1.42e-02	-2.47	-2.41	-4.89e-02	-0.39	713.13	651.15	664.32	699.95	-25.35
1	35	621	-7.91e-02	-4.06	-4.02	-0.12	-0.41	811.73	502.39	807.95	506.17	-33.97
1	35	622	-9.38e-02	-5.88	-5.87	-0.10	-0.23	977.20	233.49	974.94	235.75	-40.96
1	35	623	0.20	-0.14	0.13	-7.82e-02	0.13	978.17	161.06	954.25	184.98	-137.75
1	35	624	1.01	-0.10	0.98	-7.06e-02	0.19	889.04	304.40	861.49	331.95	-123.90
1	35	625	2.06	-6.18e-02	2.04	-3.97e-02	0.22	769.40	476.65	717.87	528.17	-111.49
1	35	626	2.57	7.59e-02	2.55	9.58e-02	0.22	739.32	528.96	588.88	679.40	-94.95
1	35	627	1.22	0.27	1.16	0.32	0.23	803.46	445.12	459.07	789.51	-69.31
1	35	628	0.79	0.24	0.49	0.54	0.27	868.42	378.12	381.49	865.06	-40.50
1	35	629	1.22	0.45	1.07	0.60	0.30	913.33	369.34	369.90	912.77	-17.43
1	35	630	1.69	0.48	1.58	0.59	0.35	939.77	371.31	371.50	939.58	10.40
1	35	631	2.12	0.38	2.02	0.48	0.41	946.36	413.51	416.30	943.57	38.49
1	35	632	2.38	0.22	2.31	0.30	0.39	926.26	476.51	487.44	915.33	69.28
1	35	633	0.17	-1.13	-1.07	0.11	0.28	871.91	491.41	522.24	841.07	103.84
1	35	634	1.25e-03	-2.45	-2.44	-1.34e-03	7.97e-02	814.15	529.36	635.96	707.55	137.82
1	35	635	-5.11e-02	-4.15	-4.15	-5.11e-02	-7.43e-03	851.95	431.97	775.83	508.09	161.79
1	35	636	-6.49e-02	-6.03	-6.03	-6.49e-02	4.96e-03	982.30	188.52	936.58	234.24	184.93
1	35	637	0.33	-6.57e-03	0.29	3.39e-02	0.11	935.71	56.26	818.36	173.61	-299.05
1	35	638	1.12	1.20e-02	1.04	8.81e-02	0.28	861.99	190.93	730.46	322.46	-266.39
1	35	639	2.24	6.04e-02	2.23	6.74e-02	0.12	812.01	324.02	599.19	536.85	-242.00
1	35	640	2.72	0.28	2.71	0.29	-0.10	820.41	374.74	490.29	704.86	-195.31
1	35	641	1.15	0.60	1.13	0.63	-0.12	865.77	339.93	383.00	822.71	-144.19
1	35	642	1.22	0.90	1.22	0.90	3.06e-02	913.65	328.36	341.45	900.56	-86.53



1	35	643	1.37	0.94	1.24	1.06	0.20	952.21	320.47	322.61	950.07	-36.72
1	35	644	1.68	0.83	1.40	1.10	0.40	979.10	325.27	325.66	978.71	15.93
1	35	645	2.21	0.76	1.90	1.07	0.59	994.95	355.83	363.55	987.23	69.83
1	35	646	2.58	0.62	2.31	0.89	0.67	993.51	390.50	420.15	963.86	130.38
1	35	647	0.84	-1.14	-0.97	0.67	0.56	966.17	357.55	434.22	889.49	201.96
1	35	648	0.60	-2.43	-2.39	0.57	0.34	932.68	337.69	527.74	742.63	277.42
1	35	649	0.53	-4.30	-4.28	0.50	0.35	923.84	243.55	649.37	518.02	333.74
1	35	650	0.21	-6.17	-6.13	0.18	0.47	981.45	36.94	791.36	227.03	378.69
1	35	651	0.50	-0.33	0.17	-2.78e-03	-0.41	812.30	-144.62	534.94	132.74	-434.15
1	35	652	1.34	0.29	0.94	0.68	0.51	789.57	-17.21	471.07	301.28	-394.35
1	35	653	2.64	0.50	2.63	0.50	-0.14	835.31	98.48	376.22	557.56	-357.08
1	35	654	3.09	0.80	2.90	0.99	-0.64	892.54	182.73	320.77	754.50	-280.94
1	35	655	2.07	1.06	1.69	1.44	-0.49	939.88	216.37	274.74	881.52	-197.04
1	35	656	1.72	0.90	0.93	1.68	-0.16	978.31	232.74	251.36	959.69	-116.35
1	35	657	1.85	1.07	1.10	1.83	0.13	1010.43	250.71	253.77	1007.37	-48.07
1	35	658	2.07	0.83	1.00	1.90	0.43	1037.32	254.54	254.98	1036.88	18.55
1	35	659	2.46	0.79	1.30	1.96	0.77	1061.08	265.94	275.73	1051.29	87.66
1	35	660	2.75	0.73	1.61	1.87	1.00	1074.70	264.10	300.35	1038.45	167.56
1	35	661	2.08	-0.39	8.22e-02	1.61	0.97	1066.63	207.38	301.69	972.33	268.59
1	35	662	1.57	-2.21	-2.12	1.48	0.58	1028.57	110.23	329.06	809.73	391.25
1	35	663	1.67	-4.57	-4.53	1.64	0.47	961.17	-18.68	409.59	532.89	486.03
1	35	664	0.89	-6.57	-6.29	0.61	1.41	925.28	-216.92	508.60	199.76	549.83
1	35	665	-1.33	-6.54	-6.41	-1.46	0.80	446.54	-471.57	-11.93	-13.10	-459.06
1	35	666	4.59	-0.52	2.92	1.15	2.39	607.47	-293.11	63.56	250.80	-440.45
1	35	667	4.88	0.94	3.08	2.74	-1.96	849.20	-179.71	53.68	615.81	-430.89
1	35	668	3.19	0.25	0.73	2.70	-1.09	938.15	-49.40	61.11	827.63	-311.33
1	35	669	2.94	1.08	1.35	2.67	-0.65	1007.95	77.07	125.72	959.30	-207.16
1	35	670	2.69	0.96	0.99	2.66	-0.24	1047.10	140.44	156.66	1030.88	-120.17
1	35	671	2.71	0.52	0.52	2.71	9.01e-02	1075.60	167.28	169.76	1073.12	-47.42
1	35	672	2.90	0.46	0.53	2.83	0.40	1103.12	179.14	179.49	1102.77	17.97
1	35	673	3.34	0.67	0.92	3.09	0.78	1132.00	177.68	185.68	1124.00	86.99
1	35	674	3.88	0.80	1.32	3.37	1.15	1155.09	146.70	175.59	1126.19	168.24
1	35	675	4.63	1.69	2.65	3.68	1.38	1163.12	89.46	167.07	1085.51	278.03
1	35	676	4.03	0.34	0.61	3.75	0.97	1123.02	-98.35	86.93	937.75	438.13
1	35	677	4.38	-4.56	-4.40	4.22	1.19	938.40	-334.57	35.46	568.37	578.03
1	35	678	-1.98	-5.32	-4.75	-2.55	1.26	675.14	-568.02	15.38	91.74	620.40
1	35	679	13.33	-13.93	12.67	-13.28	-4.18	14.59	-689.17	-456.52	-218.06	-331.07
1	35	680	0.47	-8.10	-7.96	0.33	1.11	400.12	-945.07	-586.59	41.65	-594.74
1	35	681	3.91	-1.80	-1.79	3.90	0.21	801.63	-591.85	-442.10	651.88	-431.57
1	35	682	4.46	-1.31	-1.25	4.40	-0.56	979.69	-269.16	-214.97	925.50	-254.44
1	35	683	3.86	-0.36	-0.34	3.83	-0.31	1063.46	-65.98	-42.76	1040.24	-160.28
1	35	684	3.51	0.22	0.22	3.51	-8.19e-02	1105.70	49.13	57.04	1097.79	-91.05
1	35	685	3.45	0.18	0.19	3.44	0.10	1134.14	100.75	101.93	1132.95	-35.03
1	35	686	3.64	0.17	0.19	3.61	0.30	1162.04	118.04	118.21	1161.87	13.21
1	35	687	4.16	0.15	0.22	4.09	0.54	1193.14	99.11	102.97	1189.29	64.83
1	35	688	5.02	1.39	1.57	4.83	0.79	1219.72	63.93	78.11	1205.54	127.24
1	35	689	6.16	2.44	2.67	5.93	0.90	1228.65	-43.29	-6.85	1192.21	212.18
1	35	690	8.44	3.90	3.92	8.42	-0.27	1214.38	-252.87	-151.55	1113.07	372.01
1	35	691	8.02	-4.05	0.80	3.16	-5.92	908.47	-821.41	-523.97	611.03	652.74
1	35	692	12.07	-11.04	11.82	-10.79	-2.39	281.80	-971.04	-620.80	-68.43	562.25
1	35	693	4.17	-4.55	-0.71	0.33	-4.33	673.43	-619.44	-531.61	585.60	325.32
1	35	694	17.76	-11.64	17.73	-11.61	-1.03	161.57	-1720.69	-1718.56	159.44	-63.41
1	35	695	10.53	8.22	9.27	9.48	-1.15	851.81	-667.71	-665.13	849.23	-62.55
1	35	696	5.21	-0.37	-0.36	5.20	0.24	995.62	-344.72	-343.13	994.03	-46.14
1	35	697	4.34	-1.07	-1.04	4.31	0.44	1094.94	-129.71	-128.89	1094.12	-31.78
1	35	698	3.90	-0.34	-0.30	3.86	0.38	1143.74	3.65	3.93	1143.46	-17.90
1	35	699	3.76	5.81e-02	7.62e-02	3.75	0.26	1175.17	69.10	69.10	1175.17	-2.30
1	35	700	3.92	7.37e-02	7.91e-02	3.91	0.14	1204.06	87.45	87.57	1203.94	11.32
1	35	701	4.43	0.44	0.44	4.43	4.68e-02	1234.66	71.71	72.42	1233.95	28.71
1	35	702	5.23	1.50	1.51	5.23	-0.13	1258.29	21.70	23.30	1256.68	44.53
1	35	703	6.23	3.32	3.35	6.20	-0.28	1262.68	-97.61	-95.35	1260.41	55.52
1	35	704	9.85	5.02	9.71	5.17	0.83	1270.95	-351.97	-349.58	1268.56	62.31
1	35	705	27.38	-19.96	27.34	-19.92	1.42	1120.64	-978.11	-975.12	1117.65	79.12
1	35	706	11.24	-8.90	11.23	-8.89	0.47	-94.20	-660.26	-603.46	-151.00	170.08
1	35	707	16.32	-12.58	16.14	-12.40	-2.27	274.00	-1454.58	-1444.25	263.67	133.26
1	35	708	8.86	6.79	8.74	6.91	-0.48	883.60	-510.42	-500.66	873.83	116.27
1	35	709	4.76	0.66	0.68	4.74	-0.29	1026.82	-220.44	-213.46	1019.84	93.03
1	35	710	4.09	-0.20	-0.16	4.05	-0.43	1122.78	-41.42	-37.64	1119.00	66.26
1	35	711	3.73	-0.12	-5.46e-02	3.66	-0.50	1169.81	61.40	62.63	1168.58	36.91
1	35	712	3.63	0.15	0.25	3.53	-0.58	1197.68	115.08	115.31	1197.44	15.90
1	35	713	3.75	0.22	0.34	3.63	-0.64	1219.82	129.70	129.89	1219.62	-14.66
1	35	714	4.12	0.55	0.69	3.99	-0.67	1239.80	118.59	120.74	1237.65	-49.02
1	35	715	4.72	0.99	1.11	4.61	-0.64	1248.84	64.61	70.61	1242.84	-84.08
1	35	716	5.44	2.32	2.38	5.37	-0.45	1230.66	-43.58	-33.29	1220.37	-114.05
1	35	717	9.44	4.53	9.43	4.54	-0.17	1198.73	-242.47	-228.48	1184.74	-141.29
1	35	718	20.54	-15.15	20.37	-14.98	2.42	998.08	-835.28	-820.80	983.60	-162.27



1	35	719	9.31	-9.32	8.19	-8.21	4.42	-432.67	-755.61	-751.30	-436.97	37.05
1	35	720	1.98	-7.45	-5.90	0.43	-3.49	199.58	-1040.25	-839.04	-1.63	457.14
1	35	721	2.24	-3.14	-2.39	1.48	1.87	730.01	-641.77	-587.93	676.17	266.37
1	35	722	4.46	-1.53	-1.32	4.25	1.11	983.25	-288.55	-279.40	974.09	107.51
1	35	723	4.04	-1.14	-0.98	3.88	0.90	1089.68	-95.02	-92.25	1086.91	57.27
1	35	724	3.71	-0.29	-0.17	3.59	0.68	1145.83	24.30	25.26	1144.86	32.83
1	35	725	3.58	0.15	0.20	3.53	0.40	1180.86	83.05	83.47	1180.44	21.36
1	35	726	3.67	0.27	0.28	3.67	0.10	1210.19	100.01	100.15	1210.05	12.43
1	35	727	4.06	0.90	0.91	4.05	-0.18	1238.28	95.08	95.10	1238.27	3.46
1	35	728	4.69	1.52	1.62	4.58	-0.57	1255.45	47.65	47.84	1255.26	-15.15
1	35	729	5.50	2.31	2.67	5.14	-1.00	1242.54	-61.87	-59.17	1239.84	-59.32
1	35	730	5.68	2.66	2.91	5.43	-0.83	1175.89	-292.61	-266.25	1149.54	-194.96
1	35	731	11.70	-3.71	4.61	3.38	7.68	859.94	-813.59	-684.45	730.79	-446.60
1	35	732	8.11	-7.13	7.59	-6.61	2.78	-132.05	-1046.06	-930.50	-247.61	-303.76
1	35	733	-1.20	-9.11	-8.78	-1.53	1.57	193.95	-449.75	-204.35	-51.45	312.64
1	35	734	5.40	1.18	2.64	3.93	-2.01	424.65	-261.37	-76.03	239.31	304.63
1	35	735	3.82	0.36	0.85	3.33	1.20	773.81	-230.48	-119.20	662.53	315.24
1	35	736	3.08	-1.50	-1.17	2.75	1.19	940.73	-111.78	-72.89	901.84	198.56
1	35	737	3.16	-1.00	-0.68	2.85	1.10	1059.70	5.04	19.98	1044.76	124.64
1	35	738	3.13	-0.53	-0.29	2.90	0.90	1126.57	79.06	84.21	1121.42	73.25
1	35	739	3.06	0.21	0.31	2.96	0.53	1167.37	126.25	127.68	1165.94	38.59
1	35	740	3.06	0.63	0.63	3.06	0.13	1197.45	143.26	143.37	1197.34	10.29
1	35	741	3.24	1.18	1.20	3.22	-0.23	1219.00	149.03	149.45	1218.59	-21.11
1	35	742	3.55	1.68	1.88	3.35	-0.58	1224.22	127.13	131.37	1219.97	-68.14
1	35	743	3.81	2.10	2.51	3.40	-0.73	1193.52	67.68	86.92	1174.28	-145.89
1	35	744	3.99	-6.90e-03	2.73e-02	3.96	0.37	1087.91	-102.04	-29.19	1015.05	-285.29
1	35	745	7.19	-6.00	-5.73	6.92	-1.85	808.39	-305.96	-89.13	591.56	-441.15
1	35	746	0.71	-7.11	-4.22	-2.18	-3.78	431.70	-546.15	-194.27	79.82	-469.33
1	35	747	1.79	-0.82	0.77	0.20	1.27	601.04	-56.87	414.23	129.94	296.66
1	35	748	1.55	0.67	0.71	1.51	0.19	605.29	60.92	352.30	313.91	271.51
1	35	749	2.00	1.09	1.94	1.15	0.22	740.58	134.15	263.07	611.66	248.11
1	35	750	1.65	-0.30	-6.13e-02	1.41	0.64	891.59	125.33	170.90	846.01	181.23
1	35	751	2.14	-0.70	-0.40	1.83	0.88	1014.78	138.66	158.62	994.82	130.72
1	35	752	2.43	-0.29	2.02e-02	2.12	0.87	1092.66	166.51	173.63	1085.53	80.93
1	35	753	2.45	0.29	0.44	2.29	0.57	1140.94	191.96	193.93	1138.97	43.23
1	35	754	2.40	0.88	0.92	2.36	0.23	1171.68	204.69	204.80	1171.57	9.96
1	35	755	2.37	1.45	1.45	2.37	-4.32e-02	1187.30	218.53	219.29	1186.53	-27.17
1	35	756	2.39	1.83	1.98	2.24	-0.25	1175.39	237.05	243.58	1168.86	-78.02
1	35	757	2.45	1.89	2.27	2.08	-0.27	1118.59	241.89	269.83	1090.64	-154.00
1	35	758	2.37	-2.53	-2.50	2.33	-0.40	991.89	149.48	240.35	901.02	-261.33
1	35	759	2.94	-4.88	-4.62	2.68	-1.40	820.18	72.72	312.48	580.42	-348.89
1	35	760	2.04	-6.21	-5.24	1.07	-2.66	716.43	-95.73	409.98	210.72	-393.66
1	35	761	0.65	-4.33e-02	0.52	9.25e-02	0.28	749.19	138.80	705.91	182.07	156.65
1	35	762	1.07	0.42	1.05	0.43	9.51e-02	672.96	292.32	614.68	350.60	137.06
1	35	763	0.59	-0.18	-0.17	0.58	7.24e-02	678.58	365.86	438.19	606.25	131.86
1	35	764	0.91	-1.08	-1.02	0.85	0.34	839.30	288.96	311.75	816.51	109.66
1	35	765	1.46	-0.49	-0.27	1.24	0.62	973.18	257.08	267.17	963.08	84.43
1	35	766	1.85	-6.69e-02	0.21	1.58	0.67	1060.29	246.82	250.24	1056.87	52.61
1	35	767	1.99	0.43	0.64	1.78	0.53	1115.28	256.99	257.78	1114.49	26.01
1	35	768	1.98	0.95	1.09	1.85	0.35	1147.26	261.88	261.88	1147.26	1.41
1	35	769	1.93	1.43	1.55	1.80	0.22	1157.08	280.13	280.81	1156.40	-24.38
1	35	770	1.99	1.58	1.94	1.64	0.14	1131.94	332.18	336.02	1128.11	-55.24
1	35	771	2.01	1.45	1.99	1.47	9.09e-02	1050.82	388.84	403.07	1036.60	-95.99
1	35	772	1.43	-2.42	-2.40	1.40	-0.32	902.68	376.85	425.01	854.53	-151.66
1	35	773	1.35	-4.16	-3.97	1.17	-0.99	754.01	368.79	541.37	581.43	-191.57
1	35	774	0.68	-5.61	-5.42	0.48	-1.10	772.20	158.27	681.70	248.76	-217.65
1	35	775	0.27	4.53e-02	0.27	4.63e-02	-1.51e-02	784.15	190.03	782.66	191.52	29.72
1	35	776	1.07	0.21	1.07	0.21	-3.46e-02	691.99	357.79	690.01	359.76	25.62
1	35	777	0.41	-2.22	-2.22	0.41	-1.87e-03	610.90	463.90	465.68	609.12	16.08
1	35	778	0.73	-1.02	-1.01	0.72	0.16	811.98	372.74	373.10	811.62	12.61
1	35	779	1.16	-0.34	-0.27	1.09	0.32	954.87	317.78	318.46	954.20	20.70
1	35	780	1.53	9.58e-02	0.23	1.39	0.42	1046.61	300.41	300.76	1046.27	16.01
1	35	781	1.76	0.48	0.67	1.57	0.45	1103.02	295.27	295.34	1102.94	7.82
1	35	782	1.89	0.85	1.10	1.64	0.44	1134.73	298.54	298.54	1134.73	-0.43
1	35	783	2.03	1.09	1.51	1.62	0.46	1142.30	325.61	325.67	1142.25	-6.68
1	35	784	2.17	1.13	1.83	1.47	0.49	1112.64	380.31	380.44	1112.51	-9.76
1	35	785	2.17	1.01	1.91	1.27	0.48	1022.41	453.57	453.77	1022.20	-10.86
1	35	786	1.08	-0.37	-0.34	1.05	0.19	847.58	520.78	520.79	847.58	-1.03
1	35	787	0.71	-3.75	-3.74	0.71	-0.15	614.70	574.23	604.02	584.92	17.84
1	35	788	0.22	-5.53	-5.52	0.21	-0.15	753.56	253.84	752.70	254.70	20.68
1	35	789	0.43	-0.37	0.14	-8.13e-02	-0.38	695.40	128.85	661.00	163.25	-135.31
1	35	790	1.00	0.56	0.96	0.61	-0.13	641.63	288.86	587.25	343.24	-127.38
1	35	791	0.64	-2.04	-2.02	0.61	-0.26	662.23	351.59	395.32	618.50	-108.04
1	35	792	1.04	-1.04	-1.00	1.00	-0.27	841.14	328.55	338.57	831.11	-70.98
1	35	793	1.34	-0.39	-0.39	1.34	-3.92e-02	971.42	308.40	310.34	969.49	-35.73
1	35	794	1.56	7.75e-02	0.11	1.52	0.22	1055.47	298.08	298.37	1055.19	-14.76



1	35	795	1.78	0.43	0.56	1.65	0.39	1107.13	301.86	301.88	1107.11	-3.77
1	35	796	1.97	0.66	0.90	1.74	0.50	1137.16	307.92	307.94	1137.14	4.27
1	35	797	2.24	0.88	1.32	1.80	0.64	1146.76	337.05	337.32	1146.49	14.71
1	35	798	2.48	0.91	1.63	1.75	0.78	1125.49	373.11	374.50	1124.10	32.31
1	35	799	2.59	0.85	1.85	1.59	0.86	1053.40	418.33	424.68	1047.05	63.16
1	35	800	1.71	-0.56	-0.23	1.38	0.80	908.20	427.83	459.12	876.91	118.54
1	35	801	1.28	-3.71	-3.62	1.18	0.68	733.54	370.80	510.58	593.76	176.54
1	35	802	0.33	-5.34	-5.27	0.26	0.63	712.58	151.36	627.49	236.45	201.28
1	35	803	-0.62	-4.22	-4.22	-0.62	-1.53e-02	394.22	-63.63	275.08	55.51	-200.88
1	35	804	2.26	1.88	2.14	2.00	-0.18	530.60	83.08	315.04	298.65	-223.61
1	35	805	2.02	-2.43	-2.20	1.79	-0.98	731.83	124.25	196.01	660.07	-196.08
1	35	806	2.19	-1.35	-1.22	2.07	-0.65	894.76	216.19	237.21	873.74	-117.55
1	35	807	1.94	-0.67	-0.66	1.93	-0.16	1008.18	256.02	261.62	1002.58	-64.66
1	35	808	1.90	-0.12	-9.85e-02	1.88	0.19	1078.81	273.67	274.96	1077.52	-32.22
1	35	809	2.01	0.42	0.52	1.91	0.39	1123.08	288.90	289.05	1122.94	-11.00
1	35	810	2.20	0.46	0.64	2.02	0.52	1151.19	295.95	296.00	1151.13	6.82
1	35	811	2.50	0.53	0.80	2.23	0.68	1164.35	312.47	313.32	1163.50	26.90
1	35	812	2.96	0.81	1.29	2.49	0.89	1154.89	332.76	336.32	1151.34	53.96
1	35	813	3.19	-0.26	0.22	2.70	1.20	1109.16	308.74	320.34	1097.56	95.65
1	35	814	2.97	0.41	0.74	2.64	0.86	1001.83	271.74	317.21	956.36	176.43
1	35	815	4.24	-4.59	-3.92	3.56	2.34	789.77	93.50	264.51	618.76	299.70
1	35	816	-3.22e-02	-1.89	-1.65	-0.27	0.63	530.33	-99.21	263.46	167.66	311.10
1	35	817	9.35	-1.98	9.28	-1.91	-0.86	-211.10	-309.16	-215.48	-304.78	-20.26
1	35	818	-2.11	-5.68	-5.37	-2.42	1.00	403.35	-422.83	-230.94	211.46	-348.87
1	35	819	4.28	-2.63	-1.26	2.90	-2.76	739.07	-44.59	3.16	691.32	-187.46
1	35	820	3.17	-1.90	-1.88	3.15	-0.26	934.38	121.55	134.68	921.25	-102.50
1	35	821	2.49	-0.92	-0.92	2.49	8.45e-02	1039.95	202.74	206.90	1035.79	-58.87
1	35	822	2.29	1.63e-02	8.08e-02	2.22	0.38	1103.10	247.71	248.96	1101.85	-32.70
1	35	823	2.30	0.41	0.53	2.18	0.46	1143.12	267.95	268.12	1142.95	-11.90
1	35	824	2.44	0.37	0.51	2.31	0.50	1169.96	273.87	273.93	1169.90	7.74
1	35	825	2.77	0.23	0.35	2.64	0.55	1185.15	278.78	279.70	1184.24	28.80
1	35	826	3.34	0.44	0.53	3.25	0.50	1181.12	280.98	284.17	1177.93	53.44
1	35	827	4.36	0.68	0.82	4.22	0.69	1142.52	265.51	272.63	1135.41	78.65
1	35	828	6.07	-1.05	-0.31	5.34	2.16	1067.80	147.25	170.30	1044.75	143.82
1	35	829	4.04	-1.08	2.32	0.64	-2.42	869.05	-152.51	-58.93	775.46	294.70
1	35	830	9.19	-4.52	6.76	-2.09	-5.24	-31.68	-523.04	-385.63	-169.09	220.53
1	35	831	15.57	3.99	15.55	4.00	0.45	305.67	-450.25	-440.63	296.04	-84.75
1	35	832	10.46	0.11	0.39	10.18	1.68	788.99	-4.35	0.44	784.21	-61.40
1	35	833	3.07	-0.43	-0.42	3.07	0.16	936.87	122.99	127.01	932.85	-57.06
1	35	834	2.58	-0.30	-0.29	2.57	0.20	1050.80	194.85	197.62	1048.03	-48.65
1	35	835	2.39	0.33	0.41	2.30	0.42	1113.91	237.98	238.73	1113.16	-25.55
1	35	836	2.42	0.36	0.51	2.27	0.53	1154.39	252.51	252.66	1154.25	-11.37
1	35	837	2.50	0.39	0.48	2.41	0.43	1181.10	258.93	258.99	1181.05	7.24
1	35	838	2.75	0.32	0.34	2.74	0.18	1196.50	262.56	263.60	1195.46	31.15
1	35	839	3.30	9.34e-02	0.10	3.29	-0.16	1190.58	254.56	256.50	1188.64	42.57
1	35	840	4.63	1.37	1.42	4.58	-0.42	1154.97	251.81	255.17	1151.61	55.00
1	35	841	9.15	-2.12	-1.81	8.84	-1.86	1099.08	109.21	112.69	1095.60	58.64
1	35	842	21.36	-0.26	21.35	-0.26	-0.33	992.78	94.95	100.77	986.96	72.05
1	35	843	2.66	-2.99	-2.96	2.63	-0.42	-191.92	-561.79	-314.16	-439.55	-173.98
1	35	844	5.32e-02	-4.93	-2.05	-2.83	-2.46	316.53	-387.64	-326.26	255.15	198.63
1	35	845	4.51	-3.38	-0.27	1.40	3.86	692.39	-39.25	-38.32	691.45	26.17
1	35	846	3.27	-1.76	-1.68	3.19	0.64	935.69	97.17	98.82	934.04	-37.10
1	35	847	2.58	-0.30	-0.30	2.57	0.11	1053.19	184.05	186.33	1050.91	-44.49
1	35	848	2.35	0.13	0.13	2.35	-9.45e-03	1120.01	220.58	221.15	1119.44	-22.61
1	35	849	2.32	0.52	0.52	2.32	-2.84e-03	1161.25	241.52	241.71	1161.06	-13.17
1	35	850	2.47	0.48	0.49	2.45	-0.16	1188.04	247.92	247.94	1188.02	4.80
1	35	851	2.86	0.50	0.59	2.76	-0.47	1202.33	255.84	256.27	1201.90	20.21
1	35	852	3.54	0.28	0.50	3.32	-0.82	1195.48	250.09	251.34	1194.23	34.29
1	35	853	4.66	0.37	0.85	4.18	-1.36	1149.52	231.36	233.56	1147.32	44.95
1	35	854	5.01	-2.22	-0.34	3.14	-3.17	1044.18	127.95	127.95	1044.18	0.44
1	35	855	7.85	-6.52e-02	6.66	1.12	2.82	873.96	-132.21	-119.47	861.23	-112.47
1	35	856	5.32	-8.76	-3.77	0.33	6.73	-237.91	-445.90	-419.67	-264.15	-69.06
1	35	857	0.89	-5.54	-4.95	0.30	1.86	159.39	43.03	158.36	44.05	10.86
1	35	858	3.93	2.11	2.11	3.93	3.51e-02	310.30	161.67	193.46	278.51	60.95
1	35	859	1.87	-0.49	-0.37	1.76	0.50	678.36	84.38	88.53	674.22	49.45
1	35	860	2.38	-0.95	-0.81	2.24	0.67	906.92	122.10	122.12	906.89	-4.54
1	35	861	2.28	-0.38	-0.38	2.28	1.64e-02	1048.48	163.05	164.14	1047.38	-31.14
1	35	862	2.35	-3.64e-02	9.31e-03	2.30	-0.33	1129.07	190.36	191.16	1128.26	-27.48
1	35	863	2.51	0.35	0.50	2.37	-0.54	1175.66	211.84	212.04	1175.46	-13.96
1	35	864	2.71	0.40	0.64	2.47	-0.70	1203.63	220.94	220.95	1203.62	2.30
1	35	865	3.02	0.60	0.99	2.63	-0.88	1215.14	232.93	233.25	1214.83	17.54
1	35	866	3.43	0.63	1.24	2.81	-1.16	1199.29	235.53	236.30	1198.51	27.27
1	35	867	3.51	0.19	0.89	2.82	-1.35	1136.28	216.71	217.66	1135.32	29.65
1	35	868	2.83	4.57e-02	0.11	2.77	-0.41	982.07	173.98	174.30	981.75	-15.98
1	35	869	5.44	-3.53	-3.24	5.15	-1.59	654.84	117.75	156.98	615.61	-139.75
1	35	870	2.55	-3.54	-1.95	0.96	-2.68	308.17	43.17	193.55	157.80	-131.29



1	35	871	0.79	-0.86	-0.37	0.30	0.75	386.27	134.20	377.44	143.03	-46.35
1	35	872	1.81	0.14	0.46	1.48	0.66	361.89	294.64	329.26	327.27	-33.61
1	35	873	2.02	0.85	1.50	1.37	0.58	640.54	240.82	242.96	638.40	-29.13
1	35	874	1.62	-0.57	-0.53	1.59	0.26	889.12	147.62	149.67	887.07	-38.95
1	35	875	2.05	-9.21e-02	-6.77e-02	2.02	-0.23	1046.19	151.64	153.62	1044.21	-42.08
1	35	876	2.37	0.11	0.20	2.28	-0.44	1136.92	166.30	167.27	1135.95	-30.68
1	35	877	2.59	0.32	0.48	2.43	-0.58	1188.42	183.77	183.99	1188.20	-14.79
1	35	878	2.75	0.56	0.80	2.51	-0.68	1217.64	192.98	192.99	1217.64	1.74
1	35	879	2.89	0.78	1.15	2.52	-0.80	1227.27	204.55	204.87	1226.95	18.00
1	35	880	3.03	0.86	1.48	2.41	-0.98	1203.83	212.71	213.72	1202.82	31.65
1	35	881	2.99	0.90	1.63	2.26	-1.00	1116.55	228.70	230.07	1115.17	34.87
1	35	882	2.60	-1.89	-1.70	2.41	-0.89	916.93	216.99	217.40	916.53	16.88
1	35	883	2.67	-3.43	-3.27	2.51	-0.98	592.58	288.89	289.20	592.27	-9.71
1	35	884	1.38	-1.96	-1.65	1.06	-0.98	432.52	217.41	431.53	218.40	-14.55
1	35	885	0.54	-1.20	-0.96	0.30	-0.60	403.39	44.72	311.89	136.23	-156.36
1	35	886	1.61	-0.12	6.01e-02	1.43	0.53	460.29	135.39	269.23	326.45	-159.91
1	35	887	1.71	1.03	1.43	1.31	0.34	680.65	145.31	184.06	641.89	-138.73
1	35	888	1.75	-0.32	-0.27	1.69	-0.33	911.36	88.58	102.04	897.90	-104.37
1	35	889	2.35	-0.12	4.73e-02	2.18	-0.62	1063.74	105.31	110.88	1058.17	-72.83
1	35	890	2.67	7.98e-02	0.25	2.49	-0.65	1152.46	129.12	131.34	1150.23	-47.62
1	35	891	2.82	0.31	0.49	2.65	-0.64	1202.32	151.78	152.02	1202.08	-15.83
1	35	892	2.89	0.61	0.79	2.71	-0.61	1231.49	161.39	161.39	1231.49	0.50
1	35	893	2.88	0.98	1.18	2.68	-0.59	1241.33	169.68	169.73	1241.28	7.56
1	35	894	2.81	1.30	1.60	2.51	-0.60	1218.30	170.18	170.99	1217.49	29.14
1	35	895	2.78	1.22	1.78	2.22	-0.75	1129.15	172.49	176.59	1125.05	62.46
1	35	896	2.42	-1.81	-1.62	2.24	-0.87	926.97	141.18	155.67	912.48	105.71
1	35	897	2.34	-3.54	-3.52	2.31	-0.39	618.24	177.92	223.71	572.45	134.42
1	35	898	1.17	-2.24	-1.97	0.90	0.93	449.08	109.66	357.02	201.72	150.91
1	35	899	-0.90	-6.67	-6.49	-1.08	-0.99	149.31	-247.74	-103.99	5.56	-190.82
1	35	900	3.77	-0.21	1.34	2.21	1.94	370.83	-109.14	-11.04	272.74	-193.55
1	35	901	3.37	0.82	1.42	2.78	-1.08	742.13	-93.74	-36.30	684.69	-211.46
1	35	902	2.95	-0.56	-0.32	2.71	-0.90	956.35	-42.72	-27.07	940.70	-124.06
1	35	903	3.10	-0.28	-2.92e-02	2.84	-0.89	1094.46	32.59	37.10	1089.95	-69.03
1	35	904	3.15	-5.25e-02	0.15	2.95	-0.78	1171.52	85.72	87.38	1169.86	-42.46
1	35	905	3.18	0.22	0.37	3.02	-0.67	1214.90	117.72	118.53	1214.09	-29.78
1	35	906	3.21	0.55	0.67	3.10	-0.55	1241.97	132.15	132.54	1241.58	-20.78
1	35	907	3.23	0.97	1.05	3.16	-0.40	1255.30	132.70	132.75	1255.25	-7.77
1	35	908	3.19	1.48	1.51	3.15	-0.24	1241.52	112.12	112.37	1241.26	16.90
1	35	909	9.34	-7.65	-6.47	8.16	4.32	1007.58	-996.08	-669.88	681.38	739.72
1	35	910	2.86	-4.31	0.79	-2.24	3.25	492.42	-1353.38	-898.02	37.06	795.71
1	35	911	10.24	-28.47	-22.36	4.13	14.11	115.98	-507.41	-491.02	99.59	99.75
1	35	912	21.04	6.48	21.04	6.48	-4.52e-02	385.49	-1827.83	-1827.69	385.36	17.36
1	35	913	13.37	-8.77	-8.52	13.12	-2.32	456.72	-2417.08	-2416.88	456.52	-23.59
1	35	914	14.99	-7.92	-5.46	12.54	-7.09	477.82	-2336.09	-2335.82	477.55	-27.16
1	35	915	4.95	-8.62	-2.78	-0.88	-6.72	262.21	-811.42	-811.40	262.19	3.96
1	35	916	9.40	-8.32	-7.49	8.56	3.75	493.79	-1912.62	-1911.42	492.59	53.74
1	35	917	5.07	-5.06	1.71	-1.70	4.77	265.70	-262.15	66.86	-63.31	-255.77
1	35	918	3.29	-4.39	-2.39	1.28	-3.37	945.19	-114.67	841.56	-11.05	-314.78
1	35	919	-0.79	-6.32	-6.31	-0.79	-0.18	1219.21	-42.72	1185.88	-9.40	-202.36
1	35	920	-0.29	-5.98	-5.98	-0.29	8.96e-02	1325.71	-13.38	1318.44	-6.10	-98.41
1	35	921	-0.21	-5.52	-5.51	-0.21	7.24e-02	1330.76	-7.27	1330.70	-7.21	-8.88
1	35	922	-0.18	-5.19	-5.19	-0.18	4.68e-02	1257.61	-20.00	1245.10	-7.48	125.84
1	35	923	-0.20	-4.90	-4.90	-0.20	0.11	1091.41	-52.95	1045.46	-7.00	224.67
1	35	924	-0.23	-4.51	-4.48	-0.26	0.35	811.56	-132.66	682.44	-3.54	324.42
1	35	925	0.24	-2.22	-0.88	-1.09	1.23	443.92	-401.40	58.33	-15.81	421.03
1	35	926	29.82	-26.40	15.30	-11.87	-24.61	-401.20	-2986.28	-2977.86	-409.62	-147.31
1	35	927	17.64	-13.34	11.59	-7.28	-12.28	-409.82	-936.14	-929.05	-416.91	-60.65
1	35	928	29.42	-42.54	15.00	-28.12	28.80	-637.58	-2704.85	-2687.53	-654.89	188.41
1	35	929	16.60	0.98	8.90	8.69	-7.81	363.95	-928.51	-667.45	102.89	-518.90
1	35	930	0.11	-2.81	-2.06	-0.64	-1.28	566.60	-277.22	291.60	-2.22	-395.51
1	35	931	-0.25	-5.41	-5.40	-0.26	-0.19	841.33	-99.77	743.73	-2.17	-286.93
1	35	932	-0.21	-5.59	-5.59	-0.21	-1.71e-02	1049.81	-38.46	1018.39	-7.05	-182.22
1	35	933	-0.17	-5.60	-5.60	-0.17	-1.05e-03	1142.08	-14.26	1136.69	-8.87	-78.73
1	35	934	-0.16	-5.68	-5.68	-0.16	-4.97e-03	1134.79	-11.20	1133.35	-9.77	40.47
1	35	935	-0.17	-5.71	-5.71	-0.17	5.29e-02	1029.79	-26.20	1013.80	-10.20	128.98
1	35	936	-0.25	-5.50	-5.49	-0.26	0.23	810.26	-70.79	748.49	-9.03	224.95
1	35	937	-0.51	-2.34	-1.78	-1.07	0.85	477.80	-220.82	278.18	-21.20	315.61
1	35	938	8.13	-2.11	5.64	0.39	4.39	171.29	-794.75	-632.02	8.56	361.55
1	35	939	22.81	-15.76	11.51	-4.46	-17.55	-256.40	-2173.53	-2171.56	-258.37	-61.40
1	35	940	22.46	-27.65	11.85	-17.04	20.47	-457.48	-1911.25	-1899.37	-469.36	130.88
1	35	941	12.12	0.23	6.45	5.90	-5.94	294.18	-484.65	-247.92	57.45	-358.23
1	35	942	-0.30	-3.51	-3.19	-0.62	-0.96	593.75	-112.88	491.91	-11.04	-248.18
1	35	943	-0.26	-7.12	-7.12	-0.26	-0.17	823.46	-35.49	798.51	-10.54	-144.26
1	35	944	-0.23	-7.52	-7.52	-0.23	-3.50e-02	929.44	-16.65	927.16	-14.38	-46.37
1	35	945	-0.15	-7.40	-7.40	-0.15	0.16	870.64	-27.19	859.30	-15.86	100.24
1	35	946	0.31	-3.18	-2.86	-3.80e-03	1.00	698.82	-65.54	647.69	-14.41	190.96



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1	35	947	12.46	2.21	7.15	7.51	5.12	382.90	-258.17	79.15	45.58	320.10
1	35	948	13.29	-39.68	5.57	-31.96	-18.69	-569.29	-1147.61	-1143.92	-572.98	-46.05
1	35	949	9.14	1.65	5.78	5.01	3.73	188.44	-183.94	-15.40	19.90	185.35
1	35	950	27.40	-25.71	19.82	-18.14	18.57	-444.33	-1656.39	-1655.16	-445.56	38.59
1	35	951	17.22	1.82	12.75	6.28	-6.99	375.52	-453.70	-122.86	44.69	-406.06
1	35	952	0.38	-2.19	-1.31	-0.50	-1.22	657.41	-137.51	534.43	-14.53	-287.46
1	35	953	-0.25	-7.23	-7.23	-0.26	-0.24	851.29	-58.63	806.10	-13.43	-197.68
1	35	954	-0.19	-7.72	-7.72	-0.19	-5.63e-02	1009.12	-25.99	997.87	-14.74	-107.34
1	35	955	-0.15	-7.97	-7.97	-0.15	-3.91e-02	1065.45	-15.79	1064.95	-15.29	-23.10
1	35	956	-0.16	-8.14	-8.14	-0.16	-4.33e-02	1033.12	-23.77	1025.20	-15.86	91.11
1	35	957	-0.15	-8.12	-8.12	-0.15	0.11	901.80	-50.64	867.79	-16.63	176.74
1	35	958	0.17	-3.35	-3.09	-8.60e-02	0.91	732.38	-109.29	639.17	-16.08	264.13
1	35	959	12.76	1.96	7.46	7.26	5.40	439.72	-336.28	61.96	41.48	387.86
1	35	960	14.75	-37.99	7.41	-30.65	-18.25	-564.80	-1170.43	-1170.27	-564.96	10.02
1	35	961	12.34	-30.01	4.83	-22.49	-16.18	-426.35	-1101.98	-1066.46	-461.87	-150.79
1	35	962	25.83	-25.43	18.41	-18.01	18.03	-443.47	-1628.20	-1617.49	-454.18	112.17
1	35	963	16.68	2.46	12.89	6.25	-6.29	300.40	-345.82	-89.01	43.59	-316.24
1	35	964	0.52	-2.12	-1.25	-0.35	-1.24	606.78	-80.20	543.86	-17.28	-198.16
1	35	965	-0.26	-7.52	-7.51	-0.26	-0.23	770.97	-31.36	757.80	-18.20	-101.92
1	35	966	-0.32	-7.92	-7.92	-0.32	1.60e-02	837.00	-21.86	836.21	-21.08	25.97
1	35	967	-0.70	-4.64	-4.62	-0.71	0.24	767.64	-41.44	752.58	-26.38	109.35
1	35	968	2.09	-2.07	-0.19	0.21	2.07	385.08	-113.55	299.26	-27.72	188.23
1	35	969	7.59	-14.21	-0.95	-5.67	-10.64	-174.89	-742.33	-742.24	-174.98	-7.09
1	35	970	12.38	3.74	11.23	4.90	2.94	-87.14	-804.14	-803.79	-87.50	15.91
1	35	971	7.48	-0.63	6.10	0.75	-3.05	222.00	-49.34	189.93	-17.28	-87.59
1	35	972	0.63	-0.80	0.42	-0.59	-0.51	545.30	-27.08	543.88	-25.66	-28.50
1	35	973	1.03	-0.48	0.69	-0.15	0.63	466.63	-31.48	456.99	-21.85	68.62
1	35	974	11.18	-1.29	7.68	2.21	5.61	216.31	-1254.21	-1088.21	50.32	465.34
1	35	975	-3.76	-26.26	-17.46	-12.56	-10.98	467.64	-393.45	-360.04	434.23	-166.30
1	35	976	4.34	-26.50	2.58	-24.75	7.15	681.10	-396.78	-396.76	681.09	4.05
1	35	977	1.33	-16.58	-5.01	-10.25	8.56	967.58	-1864.08	-1863.21	966.72	49.52
1	35	978	16.05	-44.51	15.95	-44.41	-2.46	1272.38	-1284.28	-1284.15	1272.25	-17.98
1	35	979	27.88	-56.49	27.65	-56.25	-4.47	1663.58	-1718.93	-1718.90	1663.56	-9.74
1	35	980	-2.60	-14.25	-5.11	-11.75	4.79	988.30	-1880.69	-1880.26	987.88	34.74
1	35	981	-1.91	-8.63	-5.21	-5.32	-3.36	785.60	-1681.97	-1680.80	784.43	-53.81
1	35	982	11.37	5.98	6.17	11.18	-0.99	210.48	-113.60	165.36	-68.48	112.19
1	35	983	0.11	-4.33	-2.79	-1.43	2.11	786.43	-112.60	761.54	-87.71	147.51
1	35	984	-0.32	-3.59	-3.58	-0.33	-0.20	1022.33	-67.04	1015.85	-60.57	83.74
1	35	985	-8.37e-03	-2.95	-2.95	-8.40e-03	-9.81e-03	1125.85	-53.80	1125.02	-52.97	31.32
1	35	986	9.75e-02	-2.76	-2.76	9.57e-02	7.26e-02	1134.67	-52.05	1133.71	-51.09	-33.76
1	35	987	8.02e-02	-2.76	-2.76	7.46e-02	0.13	1057.86	-55.62	1055.48	-53.25	-51.39
1	35	988	1.32e-02	-2.98	-2.96	-3.81e-04	0.20	884.71	-69.80	874.04	-59.13	-100.35
1	35	989	-0.33	-2.96	-2.90	-0.39	0.39	588.28	-100.15	560.45	-72.33	-135.57
1	35	990	-0.99	-4.08	-3.92	-1.14	0.67	129.85	-177.44	35.73	-83.33	-141.64
1	35	991	2.91e-02	-5.69	-1.86	-3.80	-2.69	-134.76	-913.30	-879.01	-169.06	-159.76
1	35	992	31.15	8.79	17.51	22.43	10.90	76.01	-2370.40	-2355.33	60.93	191.46
1	35	993	31.44	-4.61	17.11	9.71	-17.64	-338.56	-2149.40	-2109.81	-378.15	-264.82
1	35	994	6.14	-4.44	3.35e-02	1.67	5.22	-0.71	-658.04	-586.61	-72.14	204.58
1	35	995	-0.32	-4.26	-4.25	-0.33	-0.24	189.82	-141.40	125.19	-76.77	131.27
1	35	996	-0.23	-2.78	-2.76	-0.24	-0.19	653.13	-86.25	636.11	-69.24	110.86
1	35	997	2.00e-02	-2.76	-2.76	1.80e-02	-7.48e-02	885.42	-65.01	880.11	-59.70	70.83
1	35	998	5.16e-02	-2.67	-2.67	5.15e-02	-1.59e-02	992.37	-55.33	991.92	-54.87	21.85
1	35	999	4.39e-02	-2.51	-2.51	4.35e-02	3.23e-02	998.48	-53.78	998.35	-53.65	-11.58
1	35	1000	-1.15e-02	-2.39	-2.38	-1.64e-02	0.11	906.04	-61.23	900.71	-55.90	-71.61
1	35	1001	-0.29	-2.06	-2.02	-0.33	0.26	696.51	-81.11	679.81	-64.40	-112.76
1	35	1002	-0.99	-3.67	-3.58	-1.08	0.48	299.56	-121.07	252.54	-74.04	-132.55
1	35	1003	-0.85	-5.58	-2.58	-3.86	-2.28	-93.19	-575.38	-519.78	-148.79	-154.01
1	35	1004	24.81	6.47	11.75	19.53	8.30	67.48	-1754.26	-1749.81	63.03	89.90
1	35	1005	24.31	-1.56	13.15	9.60	-12.81	-255.60	-1539.93	-1513.94	-281.60	-180.86
1	35	1006	4.50	-4.02	-0.56	1.04	4.19	12.27	-315.88	-233.39	-70.22	142.36
1	35	1007	-0.31	-4.43	-4.42	-0.31	-9.93e-02	371.04	-81.22	359.09	-69.28	72.52
1	35	1008	-0.16	-2.85	-2.85	-0.16	-0.10	742.88	-65.85	741.46	-64.42	33.90
1	35	1009	-2.54e-02	-3.03	-3.03	-2.55e-02	-1.07e-02	863.27	-62.08	862.65	-61.46	-23.92
1	35	1010	-7.16e-02	-2.95	-2.95	-7.55e-02	0.11	813.16	-62.81	811.84	-61.49	-34.02
1	35	1011	9.95e-02	-5.17	-5.17	9.75e-02	0.10	517.04	-78.59	503.65	-65.21	-88.27
1	35	1012	5.18	-4.55	-2.67	3.29	-3.84	163.77	-179.82	3.19	-19.24	-171.43
1	35	1013	13.71	-20.67	6.32	-13.27	14.13	-533.17	-960.70	-915.84	-578.03	131.02
1	35	1014	13.96	-18.49	7.17	-11.70	13.20	-399.17	-1055.47	-998.44	-456.20	184.86
1	35	1015	23.83	-7.72	15.97	0.13	-13.64	-341.93	-1382.32	-1363.45	-360.80	-138.84
1	35	1016	5.41	-3.81	0.35	1.26	4.59	101.75	-375.94	-231.91	-42.28	219.22
1	35	1017	-0.53	-3.64	-3.63	-0.54	-0.21	412.40	-102.71	368.97	-59.28	143.13
1	35	1018	-0.20	-0.99	-0.95	-0.24	-0.16	822.47	-64.68	810.27	-52.48	103.32
1	35	1019	-1.72e-02	-1.30	-1.30	-1.94e-02	-5.30e-02	990.73	-49.99	988.31	-47.57	50.05
1	35	1020	1.78e-02	-1.38	-1.38	1.77e-02	-6.12e-03	1054.78	-45.89	1054.64	-45.74	-12.69
1	35	1021	6.87e-03	-1.53	-1.53	5.72e-03	4.21e-02	1022.96	-48.81	1021.02	-46.88	-45.49
1	35	1022	-4.28e-02	-1.62	-1.61	-5.41e-02	0.13	890.18	-60.90	879.14	-49.86	-101.89



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1	35	1023	5.56e-02	-4.87	-4.87	5.32e-02	0.11	537.68	-92.68	501.48	-56.47	-146.67
1	35	1024	5.39	-5.27	-3.27	3.38	-4.17	206.90	-250.76	-30.42	-13.45	-228.67
1	35	1025	13.81	-21.06	6.46	-13.72	14.22	-548.00	-940.02	-919.15	-568.87	88.01
1	35	1026	22.67	-9.12	15.07	-1.52	-13.56	-343.20	-1389.37	-1354.47	-378.10	-187.86
1	35	1027	5.14	-3.22	0.35	1.57	4.13	59.78	-319.15	-221.30	-38.08	165.84
1	35	1028	-0.44	-3.90	-3.90	-0.44	-9.73e-02	386.72	-81.33	368.15	-62.76	91.36
1	35	1029	-0.26	-1.54	-1.53	-0.27	-8.00e-02	771.86	-62.70	769.50	-60.34	44.32
1	35	1030	-0.17	-1.95	-1.95	-0.17	5.57e-02	845.37	-60.18	844.89	-59.70	20.81
1	35	1031	-0.42	-4.75	-4.74	-0.42	0.14	652.06	-67.14	649.68	-64.76	-41.33
1	35	1032	-0.89	-6.12	-5.54	-1.47	-1.64	264.92	-119.30	238.96	-93.34	-96.43
1	35	1033	11.06	-4.57	-0.50	6.99	6.86	-103.45	-541.07	-539.56	-104.96	25.65
1	35	1034	16.06	9.89	10.05	15.90	0.98	56.47	-675.86	-675.23	55.84	-21.52
1	35	1035	0.19	-3.21	-1.10	-1.92	1.65	102.22	-105.85	102.22	-105.85	0.33
1	35	1036	-0.81	-3.42	-3.42	-0.81	-9.06e-02	387.95	-68.50	385.01	-65.56	-36.49
1	35	1037	-0.21	-3.49	-3.48	-0.22	-0.19	330.69	-75.67	319.68	-64.66	-65.98
1	35	1038	4.66	-2.09	1.28e-03	2.57	-3.12	66.57	-185.92	-89.25	-30.10	-122.73
1	35	1039	11.24	-2.40	1.01	7.83	-5.91	319.35	-454.02	177.63	-312.30	299.20
1	35	1040	3.59	-0.87	2.22	0.51	2.06	160.46	-235.29	109.06	-183.90	-133.03
1	35	1041	13.90	0.96	4.04	10.82	5.52	198.66	-144.94	169.11	-115.38	96.34
1	35	1042	0.62	-5.11	-4.85	0.37	-1.18	560.86	-128.31	-94.18	526.73	149.53
1	35	1043	2.59	-0.72	-0.66	2.54	-0.41	942.18	-57.16	-31.82	916.85	157.09
1	35	1044	2.75	-0.10	-9.42e-02	2.74	-0.13	1103.38	-31.78	-19.69	1091.30	116.51
1	35	1045	2.68	-6.62e-02	-6.10e-02	2.68	-0.12	1192.17	-19.24	-13.95	1186.89	79.81
1	35	1046	2.71	-6.52e-02	-6.19e-02	2.71	-9.59e-02	1246.74	-11.05	-9.90	1245.60	37.94
1	35	1047	2.88	-6.98e-02	-6.81e-02	2.88	-6.98e-02	1289.00	-7.52	-7.43	1288.91	-10.81
1	35	1048	3.13	-9.18e-02	-9.15e-02	3.13	-3.21e-02	1324.18	-8.45	-5.84	1321.58	-58.84
1	35	1049	3.35	-0.18	-0.18	3.35	7.47e-02	1343.59	-14.11	-4.23	1333.72	-115.37
1	35	1050	3.47	-0.72	-0.72	3.46	0.14	1316.22	-31.60	-8.05	1292.66	-176.63
1	35	1051	7.79	-2.11	-1.81	7.49	-1.71	1170.19	-82.01	-39.32	1127.49	-227.24
1	35	1052	27.66	9.72	17.24	20.14	-8.86	721.04	93.58	226.77	587.85	-256.58
1	35	1053	-1.21	-21.10	-16.14	-6.17	-8.60	-21.35	-280.23	-227.73	-73.85	-104.10
1	35	1054	12.19	-6.98	-6.70	11.90	2.32	-152.30	-304.80	-303.20	-153.91	-15.57
1	35	1055	9.43	-8.74	9.29	-8.60	1.59	29.48	-593.71	-347.66	-216.57	304.63
1	35	1056	5.82	-5.76	4.87	-4.81	3.17	272.53	-748.91	-386.11	-90.26	-488.83
1	35	1057	4.12	-4.85	-3.70	2.97	-3.01	475.29	-829.54	-463.59	109.34	586.16
1	35	1058	3.80	-0.71	-0.55	3.64	0.85	860.21	-443.99	-290.03	706.25	420.81
1	35	1059	4.33	-3.63e-02	3.96e-02	4.26	0.57	1018.96	-139.61	-83.74	963.09	248.21
1	35	1060	3.72	-9.12e-02	-8.93e-02	3.72	8.55e-02	1094.05	21.87	44.24	1071.68	153.25
1	35	1061	3.40	6.67e-02	8.17e-02	3.38	-0.22	1133.60	113.26	120.85	1126.01	87.69
1	35	1062	3.36	0.30	0.38	3.27	-0.50	1157.47	162.17	163.24	1156.41	32.53
1	35	1063	3.55	0.30	0.49	3.37	-0.76	1178.20	175.55	175.95	1177.80	-19.84
1	35	1064	4.01	0.45	0.76	3.69	-1.01	1198.73	165.04	170.49	1193.28	-74.86
1	35	1065	4.69	0.68	1.12	4.25	-1.26	1211.29	117.54	135.34	1193.49	-138.38
1	35	1066	5.59	1.27	1.78	5.07	-1.40	1201.60	15.43	57.74	1159.30	-219.99
1	35	1067	6.60	1.90	2.21	6.29	-1.17	1161.11	-195.84	-87.54	1052.81	-367.73
1	35	1068	9.80	-3.15	3.03	3.62	6.47	904.11	-654.60	-367.81	617.32	-603.97
1	35	1069	18.08	-22.48	12.35	-16.75	14.12	-418.97	-1011.36	-1010.80	-419.54	-18.30
1	35	1070	33.65	16.07	33.57	16.15	1.19	401.15	-2535.66	-2535.66	401.14	3.47
1	35	1079	6.51	-2.48	1.20	2.83	4.42	309.15	-183.87	140.98	-15.70	233.73
1	35	1080	-1.01	-7.28	-7.28	-1.01	5.52e-02	501.82	-412.20	74.05	15.57	456.07
1	35	1081	-1.02	-5.17	-4.44	-1.76	-1.58	693.56	-455.21	139.21	99.13	-574.04
1	35	1082	3.92	0.78	2.46	2.24	-1.56	675.59	-204.24	181.36	290.00	436.55
1	35	1083	4.39	0.73	1.81	3.32	1.67	891.30	-87.59	143.96	659.76	415.99
1	35	1084	3.17	-0.11	0.22	2.84	0.99	972.10	48.57	149.44	871.23	288.07
1	35	1085	2.80	0.28	0.34	2.74	0.39	1039.86	147.29	190.53	996.61	191.64
1	35	1086	2.68	0.40	0.40	2.68	-6.41e-02	1076.80	203.94	217.89	1062.84	109.47
1	35	1087	2.77	0.49	0.59	2.67	-0.47	1101.08	234.34	236.33	1099.10	41.45
1	35	1088	3.05	0.48	0.79	2.74	-0.84	1121.48	245.90	246.45	1120.93	-22.02
1	35	1089	3.48	0.44	1.02	2.90	-1.20	1140.09	241.33	250.23	1131.19	-88.97
1	35	1090	4.00	0.45	1.35	3.10	-1.54	1150.85	213.73	244.47	1120.10	-166.92
1	35	1091	4.45	0.62	1.77	3.30	-1.76	1143.71	148.61	226.32	1066.00	-267.01
1	35	1092	4.00	0.62	0.98	3.63	-1.05	1097.62	-4.94	175.55	917.13	-407.95
1	35	1093	5.60	-3.08	-2.76	5.29	-1.62	938.87	-201.39	174.29	563.19	-535.94
1	35	1094	11.25	-0.22	5.40	5.63	-5.73	467.59	-245.55	191.25	30.79	-347.42
1	35	1095	-0.12	-3.96	-3.96	-0.12	2.10e-02	660.56	-80.00	631.56	-50.99	143.66
1	35	1096	0.46	-1.34	-0.99	0.11	0.72	855.51	-91.26	613.41	150.85	413.04
1	35	1097	1.16	-3.80	-3.21	0.58	-1.60	971.38	-117.15	652.95	201.27	-495.20
1	35	1098	1.02	-0.34	-0.34	1.02	-2.72e-02	828.74	51.52	549.10	331.16	373.02
1	35	1099	1.45	0.69	1.30	0.84	0.30	868.06	187.81	458.45	597.42	332.95
1	35	1100	1.77	0.72	1.22	1.27	0.53	918.12	266.57	386.29	798.41	252.33
1	35	1101	1.71	0.63	0.70	1.64	0.26	971.61	294.56	342.85	923.32	174.25
1	35	1102	1.86	0.78	0.80	1.85	-0.12	1012.16	310.81	326.10	996.87	102.43
1	35	1103	2.16	0.73	0.93	1.96	-0.50	1040.84	319.11	321.25	1038.70	39.26
1	35	1104	2.50	0.59	1.10	2.00	-0.84	1061.64	325.28	325.87	1061.04	-20.92
1	35	1105	2.85	0.45	1.31	1.99	-1.15	1075.75	330.53	340.19	1066.09	-84.29
1	35	1106	3.09	0.31	1.54	1.86	-1.38	1078.17	330.15	364.73	1043.59	-157.07



1	35	1107	3.06	0.30	1.75	1.62	-1.38	1063.59	310.26	403.54	970.31	-248.13
1	35	1108	2.07	-0.81	-0.30	1.56	-1.10	1020.46	225.13	439.08	806.52	-352.68
1	35	1109	1.93	-2.48	-2.20	1.65	-1.07	968.27	95.47	531.31	532.42	-436.40
1	35	1110	-0.14	-3.42	-3.21	-0.35	-0.80	802.54	-84.61	739.09	-21.17	-228.60
1	35	1111	-0.10	-3.43	-3.43	-0.11	-7.23e-02	938.06	-55.57	930.68	-48.20	85.27
1	35	1112	2.77e-02	-1.44	-1.43	2.13e-02	9.67e-02	958.62	100.08	870.78	187.93	260.19
1	35	1113	0.25	-3.58	-3.44	0.12	-0.70	1053.33	99.82	924.65	228.50	-325.79
1	35	1114	0.20	-0.52	-0.52	0.20	4.90e-03	884.92	250.93	786.65	349.19	229.44
1	35	1115	0.83	0.27	0.83	0.27	2.79e-02	830.23	407.84	662.77	575.29	206.62
1	35	1116	0.59	0.52	0.55	0.56	3.13e-02	839.92	448.73	538.25	750.40	164.33
1	35	1117	1.03	0.81	0.94	0.89	-0.11	901.17	432.90	465.33	868.74	118.89
1	35	1118	1.49	0.80	1.09	1.20	-0.34	953.41	408.87	418.30	943.98	71.04
1	35	1119	1.87	0.69	1.19	1.37	-0.58	990.03	394.35	395.58	988.80	27.05
1	35	1120	2.15	0.56	1.32	1.40	-0.79	1011.97	394.75	395.18	1011.54	-16.30
1	35	1121	2.34	0.42	1.47	1.28	-0.95	1019.26	411.35	417.83	1012.78	-62.42
1	35	1122	2.39	0.27	1.60	1.06	-1.03	1007.95	439.78	464.38	983.34	-115.65
1	35	1123	2.13	8.25e-02	1.45	0.77	-0.97	975.28	467.37	539.24	903.42	-177.02
1	35	1124	1.07	-0.80	-0.30	0.57	-0.83	935.13	444.06	627.13	752.06	-237.46
1	35	1125	0.69	-2.07	-1.81	0.42	-0.81	952.51	334.04	763.28	523.26	-285.00
1	35	1126	-0.23	-5.85	-5.84	-0.24	-0.14	1031.83	-41.05	1011.58	-20.80	-146.00
1	35	1127	4.74e-03	-3.58	-3.58	4.73e-03	-3.15e-03	1055.57	-47.81	1055.40	-47.64	13.68
1	35	1128	-7.68e-02	-1.79	-1.79	-7.80e-02	4.51e-02	997.07	189.42	989.27	197.22	79.00
1	35	1129	-9.51e-02	-3.76	-3.73	-0.12	-0.31	1068.69	218.98	1050.85	236.82	-121.84
1	35	1130	-6.43e-02	-0.79	-0.79	-6.53e-02	2.69e-02	910.82	342.10	898.77	354.15	81.90
1	35	1131	0.53	2.46e-02	0.53	2.99e-02	-5.15e-02	783.85	543.63	762.99	564.49	67.64
1	35	1132	0.58	0.29	0.58	0.29	-1.69e-02	755.86	598.61	628.58	725.89	61.76
1	35	1133	1.05	0.64	1.04	0.65	6.46e-02	848.69	528.41	537.03	840.08	51.81
1	35	1134	1.21	0.93	1.20	0.94	5.00e-02	916.96	471.99	474.21	914.73	31.39
1	35	1135	1.29	1.09	1.28	1.09	2.67e-02	960.21	441.92	442.23	959.91	12.52
1	35	1136	1.38	1.10	1.38	1.10	3.56e-03	982.87	438.68	438.74	982.81	-5.86
1	35	1137	1.50	0.94	1.50	0.94	-1.14e-02	983.48	463.94	465.06	982.36	-24.13
1	35	1138	1.56	0.65	1.56	0.65	-2.29e-02	954.57	518.21	522.49	950.29	-42.99
1	35	1139	1.35	0.29	1.32	0.32	-0.15	888.00	595.83	612.67	871.16	-68.08
1	35	1140	0.42	-0.20	0.18	4.57e-02	-0.31	825.51	635.03	730.24	730.29	-95.24
1	35	1141	-1.90e-02	-1.75	-1.67	-0.10	-0.37	904.91	490.88	874.98	520.81	-107.21
1	35	1142	-0.20	-6.33	-6.33	-0.20	-5.79e-02	1146.95	-25.57	1142.74	-21.37	-70.10
1	35	1143	-4.74e-02	-3.71	-3.70	-4.83e-02	5.68e-02	1062.15	-50.58	1062.13	-50.57	4.38
1	35	1144	-0.10	-1.87	-1.86	-0.11	0.12	999.21	191.59	997.26	193.54	-39.62
1	35	1145	-0.15	-3.75	-3.75	-0.16	-0.16	1072.19	221.40	1055.28	238.31	118.75
1	35	1146	-6.65e-02	-0.80	-0.80	-7.43e-02	7.54e-02	910.47	347.53	908.34	349.65	-34.55
1	35	1147	0.31	-6.99e-03	0.28	1.63e-02	-8.20e-02	775.93	553.30	768.88	560.35	-38.99
1	35	1148	0.69	0.34	0.69	0.34	-2.26e-03	734.70	629.10	642.43	721.37	-35.07
1	35	1149	1.16	0.59	1.04	0.71	0.23	837.50	547.35	549.20	835.64	-23.14
1	35	1150	1.51	0.62	1.14	0.99	0.44	911.17	484.11	484.61	910.67	-14.58
1	35	1151	1.81	0.54	1.20	1.15	0.63	956.65	450.94	451.01	956.58	-5.69
1	35	1152	2.02	0.42	1.27	1.16	0.80	979.80	447.00	447.04	979.75	4.70
1	35	1153	2.14	0.26	1.37	1.03	0.93	981.40	472.43	472.99	980.84	16.85
1	35	1154	2.14	4.63e-02	1.43	0.76	0.99	953.91	527.02	529.64	951.30	33.31
1	35	1155	1.75	-7.58e-02	1.27	0.40	0.80	885.23	608.30	618.00	875.54	50.91
1	35	1156	0.89	-0.14	0.69	5.65e-02	0.40	815.79	662.56	741.74	736.60	76.57
1	35	1157	-0.15	-1.42	-1.42	-0.15	5.47e-02	908.30	497.95	880.50	525.75	103.13
1	35	1158	-0.23	-6.67	-6.67	-0.23	-6.78e-02	1149.62	-26.30	1145.49	-22.16	69.59
1	35	1159	-0.24	-4.09	-4.08	-0.25	0.16	948.94	-61.15	946.33	-58.53	-51.30
1	35	1160	-0.16	-1.68	-1.67	-0.17	9.32e-02	947.29	118.87	892.91	173.26	-205.17
1	35	1161	3.61e-02	-3.60	-3.60	3.56e-02	4.40e-02	1046.05	114.33	929.25	231.13	308.51
1	35	1162	0.17	-0.66	-0.66	0.17	2.32e-03	878.07	268.93	812.74	334.25	-188.48
1	35	1163	0.72	-4.98e-02	0.41	0.26	-0.38	808.50	436.55	684.02	561.02	-175.51
1	35	1164	1.20	0.34	0.80	0.75	-0.43	820.47	496.10	580.58	735.98	-142.36
1	35	1165	1.19	0.81	0.89	1.11	-0.16	883.92	473.72	501.48	856.17	-103.02
1	35	1166	1.41	0.85	0.91	1.34	0.18	940.62	439.39	447.42	932.59	-62.93
1	35	1167	1.79	0.64	0.95	1.48	0.51	979.52	417.85	419.08	978.29	-26.26
1	35	1168	2.14	0.43	1.01	1.57	0.81	1003.08	416.36	416.52	1002.92	9.80
1	35	1169	2.45	0.20	1.09	1.56	1.10	1011.80	435.30	439.50	1007.59	49.07
1	35	1170	2.67	-5.62e-02	1.20	1.41	1.36	1001.80	469.59	487.12	984.27	94.99
1	35	1171	2.59	-0.23	1.28	1.08	1.41	969.75	503.94	558.93	914.76	150.31
1	35	1172	1.85	-0.28	0.89	0.68	1.06	935.51	493.96	657.12	772.34	213.13
1	35	1173	0.59	-1.05	-0.94	0.48	0.41	956.87	363.92	779.80	540.99	271.37
1	35	1174	-0.67	-6.95	-6.95	-0.67	4.50e-02	1034.16	-48.85	1012.05	-26.74	153.16
1	35	1175	-0.75	-4.53	-3.86	-1.42	-1.44	670.54	-107.26	654.70	-91.42	-109.87
1	35	1176	0.79	-3.43	-3.10	0.46	1.14	763.55	-31.30	626.62	105.63	-300.15
1	35	1177	1.32	-3.05	-3.04	1.30	-0.28	922.09	-71.01	648.24	202.84	443.81
1	35	1178	1.63	0.67	1.63	0.67	-1.78e-02	800.77	109.94	613.56	297.15	-307.05
1	35	1179	2.48	-0.38	0.51	1.59	-1.33	842.08	241.84	507.24	576.68	-298.10
1	35	1180	2.25	0.14	0.61	1.78	-0.88	894.38	325.91	447.75	772.54	-233.27
1	35	1181	1.95	0.46	0.58	1.84	-0.40	951.03	351.14	400.81	901.36	-165.33
1	35	1182	1.90	0.57	0.57	1.90	2.05e-02	993.58	350.38	366.68	977.28	-101.08



1	35	1183	2.10	0.51	0.61	2.00	0.38	1024.15	346.26	348.56	1021.86	-39.38
1	35	1184	2.45	0.35	0.64	2.16	0.73	1047.80	347.71	348.00	1047.51	14.33
1	35	1185	2.90	0.14	0.69	2.35	1.11	1064.29	357.74	365.83	1056.20	75.18
1	35	1186	3.40	-8.40e-02	0.81	2.50	1.52	1070.58	369.60	399.90	1040.28	142.56
1	35	1187	3.83	-0.13	1.16	2.54	1.85	1061.15	368.03	447.00	982.18	220.22
1	35	1188	3.43	0.35	1.43	2.34	1.47	1029.88	313.57	500.62	842.84	314.63
1	35	1189	3.24	-1.55	-0.76	2.46	1.77	986.24	145.56	560.39	571.41	420.31
1	35	1190	0.39	-6.23	-5.79	-4.43e-02	1.64	714.65	-115.64	640.85	-41.84	236.28
1	35	1191	6.86	1.40	2.32	5.94	2.04	98.94	-109.72	77.90	-88.68	-62.83
1	35	1192	5.26	-3.88	4.37	-2.99	2.71	432.11	-196.31	280.45	-44.66	-268.89
1	35	1193	6.67	-8.59	0.40	-2.33	-7.51	588.14	-343.78	207.76	36.61	458.03
1	35	1194	0.47	-5.10	-5.05	0.42	0.52	611.98	-284.22	165.88	161.88	-448.10
1	35	1195	3.47	-0.36	0.66	2.46	-1.69	837.92	-1.04	249.38	587.50	-383.91
1	35	1196	3.08	0.11	0.34	2.85	-0.79	948.82	149.21	267.85	830.18	-284.24
1	35	1197	2.62	0.17	0.22	2.57	-0.35	1017.50	208.40	263.46	962.45	-203.76
1	35	1198	2.44	0.24	0.24	2.44	-2.19e-02	1056.56	231.53	251.54	1036.55	-126.93
1	35	1199	2.54	0.26	0.29	2.51	0.26	1083.26	240.91	244.01	1080.16	-51.02
1	35	1200	2.85	0.17	0.29	2.73	0.54	1107.19	244.45	244.79	1106.85	17.13
1	35	1201	3.36	4.91e-02	0.28	3.13	0.85	1129.50	246.41	256.22	1119.69	92.56
1	35	1202	4.12	-7.43e-02	0.32	3.73	1.22	1144.99	240.87	275.37	1110.48	173.22
1	35	1203	5.08	7.17e-02	0.80	4.36	1.76	1141.59	213.93	296.68	1058.85	264.41
1	35	1204	6.69	1.89	2.85	5.73	1.92	1125.25	142.94	313.72	954.48	372.27
1	35	1205	6.12	-1.75	1.52	2.86	-3.87	963.99	-134.56	227.80	601.63	516.49
1	35	1206	1.06	-10.37	-3.86	-5.44	-5.66	101.44	-231.78	-36.86	-93.48	164.19
1	35	1207	-0.81	-23.72	-14.60	-9.93	11.22	397.14	-395.42	-376.70	378.42	120.37
1	35	1208	2.35	-1.10	1.47	-0.22	-1.51	-532.97	-1200.27	-880.97	-852.28	-333.34
1	35	1209	1.37	-2.01	1.09	-1.73	-0.93	-371.91	-1159.65	-896.35	-635.21	371.59
1	35	1210	7.61	-1.20	7.38	-0.96	1.41	246.71	-479.75	-355.07	122.02	-273.92
1	35	1211	6.22	3.61	3.62	6.20	-0.19	789.82	-122.21	30.17	637.45	-340.23
1	35	1212	3.59	8.28e-02	9.56e-02	3.57	-0.21	994.87	-23.98	86.96	883.93	-317.36
1	35	1213	2.88	-2.10e-02	-1.79e-02	2.87	-9.58e-02	1084.67	46.57	103.43	1027.81	-236.21
1	35	1214	2.75	4.40e-02	4.40e-02	2.75	1.18e-02	1126.26	83.24	105.37	1104.13	-150.31
1	35	1215	2.84	6.20e-02	6.89e-02	2.83	0.14	1151.39	100.97	104.61	1147.75	-61.71
1	35	1216	3.11	4.01e-02	6.55e-02	3.08	0.28	1176.44	105.42	105.81	1176.05	20.39
1	35	1217	3.58	-7.09e-03	3.77e-02	3.53	0.40	1203.68	99.50	110.42	1192.76	109.26
1	35	1218	4.33	-5.37e-02	-8.58e-04	4.28	0.48	1226.15	79.73	116.86	1189.02	202.93
1	35	1219	5.67	0.18	0.28	5.58	0.72	1227.76	39.30	120.96	1146.10	300.63
1	35	1220	6.02	3.22	4.24	5.00	1.35	1154.27	-24.79	111.19	1018.29	376.61
1	35	1221	13.54	-6.89	13.20	-6.55	-2.61	943.94	-164.50	-11.75	791.20	382.08
1	35	1222	9.72	-26.02	-18.99	2.69	-14.20	135.68	-497.83	-492.19	130.05	-59.46
1	35	1223	11.90	-2.25	-2.16	11.81	-1.12	-140.29	-319.37	-312.22	-147.44	35.07
1	35	1224	8.71	-5.28	-4.33	7.76	3.52	371.99	-322.89	279.81	-230.71	-235.70
1	35	1225	3.40	-4.41	-4.32	3.31	-0.84	249.07	-146.67	229.52	-127.12	85.75
1	35	1226	17.76	3.23	8.69	12.30	-7.04	205.88	-34.96	189.79	-18.87	-60.13
1	35	1227	0.37	-5.25	-4.98	9.95e-02	1.21	577.08	-123.62	-111.78	565.24	-90.31
1	35	1228	2.65	-0.63	-0.54	2.56	0.54	915.86	-51.72	-40.41	904.56	-103.97
1	35	1229	2.87	-5.67e-02	-4.60e-02	2.86	0.18	1062.11	-34.93	-28.67	1055.85	-82.62
1	35	1230	2.84	7.93e-03	1.71e-02	2.83	0.16	1138.98	-24.09	-21.45	1136.35	-55.32
1	35	1231	2.92	1.09e-02	1.85e-02	2.91	0.15	1181.67	-18.45	-17.94	1181.16	-24.76
1	35	1232	3.18	1.41e-02	1.97e-02	3.17	0.13	1210.80	-16.46	-16.46	1210.80	1.34
1	35	1233	3.58	8.05e-03	1.09e-02	3.58	0.10	1230.72	-17.83	-16.97	1229.86	32.76
1	35	1234	3.98	-8.64e-02	-8.64e-02	3.98	-1.41e-02	1232.84	-22.54	-19.00	1229.30	66.57
1	35	1235	4.20	-0.54	-0.53	4.19	-0.22	1191.22	-35.51	-26.59	1182.30	104.24
1	35	1236	6.78	-2.94	-2.81	6.65	1.11	1051.77	-86.19	-70.38	1035.95	133.21
1	35	1237	31.01	11.10	20.88	21.23	9.95	649.85	146.66	216.80	579.71	174.28
1	35	1238	2.07	-10.86	-8.11	-0.68	5.29	-82.56	-272.43	-258.09	-96.89	50.16
1	67	1	2.21	0.17	1.00	1.38	1.00	-552.20	-1332.45	-863.78	-1020.87	382.14
1	67	3	3.69	-6.36	0.30	-2.98	4.75	-254.11	-1218.16	-861.25	-611.02	-465.51
1	67	9	1.11	-7.11	-4.86	-1.14	-3.66	-996.14	-1477.64	-1467.53	-1006.25	-69.06
1	67	11	6.26	-5.80	0.69	-0.23	-6.01	-1304.96	-3350.76	-3345.41	-1310.31	104.46
1	67	12	4.02	-3.02	0.28	0.72	-3.51	-1810.17	-2835.43	-2835.28	-1810.32	-12.43
1	67	13	10.41	-9.18	8.53	-7.30	5.78	-1357.14	-2985.76	-2970.59	-1372.31	-156.46
1	67	15	9.83	-8.73	8.45	-7.36	4.86	-1413.43	-2982.42	-2982.39	-1413.46	6.61
1	67	17	3.38	-4.76	-1.15	-0.22	4.04	-726.53	-1569.47	-1564.40	-731.59	65.15
1	67	21	0.53	-6.52	-5.71	-0.28	2.25	-1829.62	-3024.47	-3019.14	-1834.95	-79.65
1	67	22	2.49	-7.60	-7.15	2.05	2.07	-2382.13	-3924.15	-3923.81	-2382.47	-22.92
1	67	23	3.89	-2.48	0.15	1.26	-3.14	-1792.63	-2833.02	-2814.04	-1811.61	139.24
1	67	24	3.62	2.00	2.37	3.25	-0.68	1221.61	88.30	90.83	1219.08	53.47
1	67	25	2.58	-0.53	2.56	-0.51	-0.25	-1564.39	-2527.65	-2501.70	-1590.34	155.97
1	67	27	6.57	-5.98	6.47	-5.88	1.09	-1281.85	-2563.69	-2541.09	-1304.45	-168.71
1	67	29	3.46	-0.75	0.79	1.92	-2.03	593.26	-131.86	483.48	-22.08	259.92
1	67	30	0.17	-4.80	-4.69	5.42e-02	-0.74	679.79	-321.42	290.05	68.32	488.17
1	67	31	8.63	1.57	5.17	5.02	-3.53	115.56	-661.15	-377.53	-168.07	373.97
1	67	32	2.52	-2.58	2.34e-02	-8.50e-02	2.55	843.54	-92.65	312.14	438.75	463.79
1	67	33	8.38	4.07	4.12	8.32	0.47	771.96	-201.21	64.81	505.94	433.72
1	67	34	2.69	-9.19e-02	0.24	2.36	0.90	945.01	122.37	324.54	742.84	354.18



1	67	35	2.94	3.10e-02	5.44e-02	2.92	0.26	980.85	-66.86	113.45	800.55	395.47
1	67	36	2.29	-4.57e-02	2.12e-02	2.22	0.39	1012.50	216.92	317.10	912.32	263.94
1	67	37	2.31	-0.11	-0.10	2.30	0.10	1090.32	38.98	131.23	998.06	297.45
1	67	38	2.22	9.85e-03	1.06e-02	2.22	3.97e-02	1060.41	269.89	307.03	1023.27	167.28
1	67	39	2.32	-7.00e-02	-6.95e-02	2.32	-3.30e-02	1152.10	97.98	134.68	1115.40	193.23
1	67	40	2.45	2.13e-02	5.31e-02	2.42	-0.28	1108.24	296.75	303.45	1101.54	73.43
1	67	41	2.52	-6.31e-02	-5.44e-02	2.51	-0.15	1203.22	129.31	136.14	1196.39	85.36
1	67	42	2.92	-5.60e-02	6.23e-02	2.80	-0.58	1162.80	310.35	311.62	1161.52	-32.97
1	67	43	2.91	-8.39e-02	-5.97e-02	2.88	-0.27	1261.87	140.66	141.75	1260.78	-34.87
1	67	44	3.67	-0.14	9.35e-02	3.43	-0.92	1226.70	313.17	333.69	1206.18	-135.38
1	67	45	3.53	-0.12	-8.17e-02	3.49	-0.37	1332.39	132.69	152.48	1312.60	-152.82
1	67	46	4.78	-0.19	0.25	4.33	-1.42	1292.56	301.63	368.86	1225.33	-249.20
1	67	47	4.56	-0.11	-6.04e-02	4.51	-0.48	1408.63	102.06	168.67	1342.02	-287.39
1	67	48	6.19	0.29	1.21	5.27	-2.14	1348.01	267.10	416.37	1198.74	-372.91
1	67	49	6.20	0.31	0.46	6.05	-0.91	1465.87	49.04	188.08	1326.83	-421.50
1	67	50	7.91	3.12	4.43	6.60	-2.13	1405.11	190.40	471.67	1123.84	-512.39
1	67	51	7.50	2.71	5.87	4.33	-2.26	1457.39	-32.92	208.64	1215.83	-549.22
1	67	52	16.33	1.21	8.06	9.49	7.52	1353.51	-52.90	473.72	826.88	-680.67
1	67	53	18.10	-13.79	16.69	-12.38	6.56	1323.15	-163.35	130.84	1028.96	-592.25
1	67	54	9.60	-13.85	-5.86	1.61	11.11	1016.75	-336.06	493.75	186.94	-658.77
1	67	55	0.87	-3.71	-2.93	9.19e-02	-1.72	854.79	-73.41	719.18	62.21	327.85
1	67	56	3.91	1.12	3.81	1.22	-0.53	900.09	69.01	733.29	235.81	332.87
1	67	57	2.81	-0.27	0.78	1.76	1.46	897.42	185.20	595.82	486.81	351.91
1	67	58	2.23	-0.19	0.38	1.65	1.03	901.44	300.78	523.01	679.21	290.00
1	67	59	1.93	0.11	0.27	1.78	0.51	936.45	370.80	471.99	835.27	216.79
1	67	60	1.87	0.27	0.27	1.87	5.70e-02	977.61	404.71	440.08	942.24	137.88
1	67	61	2.13	0.22	0.30	2.05	-0.38	1024.64	419.93	426.05	1018.52	60.54
1	67	62	2.64	5.47e-02	0.36	2.34	-0.83	1076.92	432.68	433.89	1075.71	-27.87
1	67	63	3.33	-0.12	0.49	2.71	-1.32	1133.46	445.69	464.32	1114.83	-111.66
1	67	64	4.17	-0.22	0.84	3.10	-1.88	1187.96	457.09	517.57	1127.48	-201.36
1	67	65	5.00	8.98e-03	1.65	3.36	-2.35	1239.74	449.76	591.38	1098.13	-303.02
1	67	66	5.24	1.59	2.93	3.91	-1.76	1282.47	382.55	677.67	987.36	-422.47
1	67	67	5.30	-0.38	0.47	4.46	-2.03	1302.44	181.45	769.25	714.64	-559.83
1	67	68	2.74	-3.89	-3.82	2.67	-0.67	1264.41	-108.55	868.30	287.55	-622.04
1	67	69	-1.62e-02	-0.27	-8.80e-02	-0.19	-0.11	1032.66	68.27	959.25	141.68	255.75
1	67	70	0.38	-3.27e-02	0.18	0.17	0.20	962.90	193.84	883.71	273.03	233.72
1	67	71	1.09	-0.16	0.52	0.42	0.62	892.61	353.42	768.60	477.43	226.91
1	67	72	1.43	2.23e-02	0.54	0.92	0.68	847.69	460.48	663.65	644.52	193.37
1	67	73	1.36	0.31	0.46	1.20	0.37	854.47	503.75	581.59	776.63	145.74
1	67	74	1.39	0.50	0.50	1.38	-4.74e-02	901.85	504.50	529.13	877.21	95.83
1	67	75	1.74	0.39	0.60	1.53	-0.49	955.30	502.20	505.61	951.90	39.12
1	67	76	2.26	0.16	0.76	1.66	-0.95	1007.69	510.41	511.27	1006.83	-20.58
1	67	77	2.84	-8.67e-02	0.98	1.77	-1.41	1054.40	534.89	547.27	1042.01	-79.27
1	67	78	3.34	-0.28	1.33	1.73	-1.80	1090.70	570.23	612.71	1048.22	-142.49
1	67	79	3.63	-0.28	1.81	1.54	-1.95	1120.67	591.83	706.36	1006.14	-217.84
1	67	80	3.17	-0.24	1.76	1.18	-1.68	1157.46	548.93	825.42	880.97	-302.99
1	67	81	1.57	-0.48	0.13	0.97	-0.93	1223.75	385.31	968.01	641.05	-386.03
1	67	82	0.27	-2.58	-2.55	0.24	-0.31	1344.29	103.45	1157.47	290.28	-443.75
1	67	83	-3.20e-02	-0.87	-0.86	-3.93e-02	-7.82e-02	1053.08	147.11	1039.76	160.43	109.04
1	67	84	0.14	-0.18	-0.13	9.32e-02	0.11	979.77	274.97	966.05	288.68	97.35
1	67	85	0.62	-2.89e-02	0.44	0.16	0.30	870.58	451.92	847.69	474.82	95.19
1	67	86	0.68	0.18	0.38	0.48	0.24	770.71	579.69	727.39	623.01	79.99
1	67	87	0.78	0.51	0.53	0.77	6.32e-02	769.02	606.55	633.62	741.95	60.54
1	67	88	1.12	0.54	0.70	0.96	-0.26	841.52	564.37	569.67	836.22	37.93
1	67	89	1.61	0.34	0.88	1.06	-0.63	909.74	539.80	540.25	909.29	12.90
1	67	90	2.08	9.15e-02	1.10	1.07	-0.99	963.36	542.44	542.81	962.99	-12.56
1	67	91	2.49	-0.17	1.35	0.97	-1.32	998.67	577.99	581.97	994.69	-40.76
1	67	92	2.75	-0.41	1.60	0.74	-1.52	1009.44	638.91	654.21	994.13	-73.74
1	67	93	2.70	-0.60	1.72	0.37	-1.51	998.22	706.83	762.09	942.96	-114.23
1	67	94	1.56	-0.73	0.83	5.01e-04	-1.07	1014.54	698.18	894.62	818.09	-153.48
1	67	95	-2.86e-02	-0.86	-0.62	-0.27	-0.38	1136.05	532.85	1068.37	600.53	-190.38
1	67	96	-0.23	-3.02	-3.01	-0.23	0.14	1327.03	238.28	1280.56	284.75	-220.09
1	67	97	-5.81e-03	-1.02	-1.02	-8.32e-03	5.05e-02	1044.90	159.63	1040.60	163.93	-61.55
1	67	98	0.13	-0.44	-0.38	6.83e-02	0.18	969.76	285.66	965.22	290.21	-55.56
1	67	99	0.77	4.29e-02	0.71	0.11	0.21	858.18	464.74	853.55	469.37	-42.46
1	67	100	0.31	6.92e-02	9.43e-02	0.29	-7.42e-02	730.41	600.25	718.77	611.89	-37.14
1	67	101	0.86	0.13	0.48	0.51	-0.37	737.59	615.42	625.23	727.77	-33.20
1	67	102	1.33	0.14	0.79	0.68	-0.59	823.07	556.48	558.59	820.95	-23.64
1	67	103	1.76	6.23e-02	1.06	0.76	-0.83	894.98	527.96	528.30	894.64	-11.18
1	67	104	2.12	-8.46e-02	1.33	0.71	-1.06	948.79	529.07	529.10	948.76	-3.71
1	67	105	2.39	-0.28	1.58	0.53	-1.23	979.09	569.17	569.17	979.08	0.59
1	67	106	2.48	-0.51	1.72	0.24	-1.30	974.52	642.07	642.07	974.52	0.58
1	67	107	2.15	-0.57	1.68	-9.96e-02	-1.03	918.61	755.52	755.60	918.52	3.63
1	67	108	0.13	-0.62	-8.36e-02	-0.40	-0.34	883.64	793.53	883.58	793.59	2.31
1	67	109	-0.47	-1.26	-1.23	-0.50	0.15	1070.64	584.72	1070.51	584.84	-7.74
1	67	110	-0.30	-3.35	-3.33	-0.32	0.25	1286.18	279.86	1286.11	279.92	-8.02



1	67	111	4.33e-02	-1.19	-1.15	7.84e-03	0.21	989.38	129.60	960.66	158.32	-154.49
1	67	112	0.30	-0.68	-0.45	7.94e-02	0.41	916.58	254.99	889.68	281.88	-130.65
1	67	113	0.98	-0.18	0.68	0.12	0.51	830.34	415.23	782.16	463.41	-132.97
1	67	114	0.87	6.89e-02	0.68	0.26	0.34	761.82	511.41	661.53	611.69	-122.70
1	67	115	0.59	0.27	0.39	0.46	0.16	782.31	509.35	557.85	733.80	-104.34
1	67	116	0.84	0.58	0.78	0.64	0.11	844.62	484.11	497.01	831.72	-66.96
1	67	117	1.11	0.73	1.11	0.73	5.89e-02	910.95	470.52	472.31	909.16	-28.01
1	67	118	1.41	0.67	1.41	0.67	3.67e-03	966.34	472.60	472.82	966.12	10.54
1	67	119	1.68	0.48	1.68	0.49	-5.03e-02	1003.41	505.67	510.75	998.33	50.00
1	67	120	1.79	0.21	1.79	0.22	-8.19e-02	1012.32	558.23	577.07	993.47	90.57
1	67	121	0.87	-9.19e-02	0.86	-7.70e-02	0.12	992.46	608.34	667.03	933.77	138.20
1	67	122	0.14	-0.91	-0.46	-0.30	0.52	998.58	602.50	798.75	802.33	198.03
1	67	123	-0.13	-1.89	-1.64	-0.39	0.63	1095.14	470.61	978.69	587.06	243.25
1	67	124	-0.21	-3.45	-3.41	-0.25	0.37	1270.56	199.90	1191.23	279.23	280.43
1	67	125	9.57e-02	-1.22	-1.13	6.61e-04	0.34	904.40	27.16	790.35	141.22	-295.04
1	67	126	0.55	-0.81	-0.37	0.11	0.63	842.94	149.14	731.43	260.64	-254.81
1	67	127	1.27	-0.30	0.77	0.20	0.73	803.22	284.60	632.58	455.25	-243.68
1	67	128	1.95	-1.56e-02	1.56	0.37	0.78	796.72	364.77	538.57	622.92	-211.82
1	67	129	1.32	-0.41	0.27	0.65	0.84	829.20	362.87	432.06	760.01	-165.77
1	67	130	1.74	-0.18	0.66	0.90	0.96	890.09	367.21	389.95	867.34	-106.65
1	67	131	2.10	-9.71e-02	1.00	1.00	1.10	953.44	374.45	378.11	949.78	-45.88
1	67	132	2.40	-6.24e-02	1.34	1.00	1.22	1013.08	380.27	380.80	1012.54	18.39
1	67	133	2.60	-0.11	1.65	0.83	1.29	1063.00	399.67	411.91	1050.75	89.29
1	67	134	2.63	-0.23	1.81	0.59	1.29	1097.59	415.70	462.29	1051.00	172.04
1	67	135	1.58	-0.87	0.37	0.33	1.23	1108.71	398.75	518.04	989.42	265.44
1	67	136	0.95	-1.56	-0.76	0.15	1.17	1110.33	359.83	626.50	843.67	359.20
1	67	137	0.51	-2.45	-1.96	1.98e-02	1.11	1142.56	245.16	782.74	604.98	439.81
1	67	138	7.78e-02	-3.66	-3.52	-6.18e-02	0.71	1242.40	16.11	977.93	280.57	504.35
1	67	139	0.14	-0.91	-0.74	-2.90e-02	0.38	757.41	-153.12	504.46	99.83	-407.84
1	67	140	0.79	-0.71	-0.19	0.27	0.71	716.81	-43.96	457.77	215.09	-360.51
1	67	141	1.37	-0.17	0.99	0.21	0.66	759.80	55.35	375.36	439.79	-350.75
1	67	142	2.03	0.31	1.83	0.51	0.55	821.60	142.11	319.06	644.65	-298.20
1	67	143	1.27	-0.21	9.91e-02	0.97	0.60	882.90	173.94	252.63	804.22	-222.70
1	67	144	1.84	-4.85e-02	0.43	1.36	0.82	950.97	219.66	247.89	922.74	-140.88
1	67	145	2.36	-1.78e-02	0.74	1.60	1.11	1016.20	249.97	254.92	1011.26	-61.37
1	67	146	2.84	-4.00e-02	1.09	1.70	1.41	1080.16	265.34	265.72	1079.78	17.52
1	67	147	3.24	-0.11	1.46	1.67	1.67	1142.12	271.30	283.86	1129.57	103.80
1	67	148	3.44	-0.13	1.81	1.51	1.78	1194.32	256.02	304.50	1145.84	207.71
1	67	149	2.43	-1.24	-0.11	1.31	1.69	1218.85	177.09	302.71	1093.23	339.24
1	67	150	2.09	-1.80	-0.96	1.24	1.60	1211.83	83.12	365.62	929.33	488.93
1	67	151	1.78	-2.98	-2.20	1.00	1.76	1181.43	-73.51	468.10	639.82	621.57
1	67	152	0.95	-4.08	-3.58	0.45	1.50	1184.59	-297.38	609.48	277.73	722.18
1	67	153	-0.48	-0.59	-0.48	-0.58	-1.85e-02	467.26	-478.16	-4.94	-5.96	-472.71
1	67	154	1.18	-0.71	-0.27	0.74	0.80	490.50	-389.86	-7.22	107.85	-436.40
1	67	155	1.41	0.19	1.23	0.37	0.43	684.31	-291.21	-26.03	419.14	-434.01
1	67	156	0.94	0.76	0.76	0.93	3.69e-02	827.91	-145.39	-2.99	685.51	-343.98
1	67	157	1.83	0.73	0.78	1.78	0.24	935.75	-9.92	55.27	870.55	-239.58
1	67	158	2.37	0.37	0.59	2.16	0.62	1016.74	78.73	101.53	993.95	-144.44
1	67	159	2.91	8.05e-02	0.53	2.46	1.03	1085.49	127.38	131.55	1081.32	-63.06
1	67	160	3.48	-0.16	0.59	2.73	1.47	1153.43	146.52	146.70	1153.25	13.33
1	67	161	4.03	-0.43	0.69	2.91	1.93	1223.78	134.41	142.83	1215.36	95.41
1	67	162	4.37	-0.60	0.94	2.84	2.29	1290.44	83.11	116.37	1257.18	197.61
1	67	163	4.23	-0.32	1.19	2.71	2.14	1333.45	-24.23	67.56	1241.66	340.87
1	67	164	3.53	-1.84	-1.09	2.78	1.86	1305.55	-229.97	0.64	1074.94	548.57
1	67	165	4.03	-3.74	-2.77	3.06	2.57	1192.85	-484.43	2.71	705.72	761.42
1	67	166	2.79	-4.91	-3.30	1.19	3.12	1012.32	-757.76	9.11	245.46	877.11
1	67	167	-4.50	-8.37	-7.95	-4.93	1.21	-203.84	-976.92	-857.21	-323.56	-279.67
1	67	168	8.23	3.78	6.64	5.36	2.13	163.40	-789.82	-576.86	-49.55	-397.04
1	67	169	0.63	-1.63	-1.60	0.60	-0.26	600.27	-777.50	-625.96	448.73	-431.07
1	67	170	3.18	0.41	0.69	2.91	-0.83	825.90	-404.92	-332.71	753.69	-289.24
1	67	171	2.91	0.19	0.20	2.91	-7.39e-02	978.84	-181.39	-151.62	949.07	-183.45
1	67	172	3.13	0.23	0.30	3.06	0.44	1071.93	-41.67	-31.52	1061.78	-105.83
1	67	173	3.61	-0.11	0.12	3.39	0.88	1143.64	27.70	29.59	1141.74	-45.94
1	67	174	4.29	-0.32	8.80e-02	3.88	1.31	1214.55	53.11	53.16	1214.50	7.66
1	67	175	5.15	-0.68	-4.10e-02	4.51	1.83	1289.92	29.57	32.80	1286.69	63.75
1	67	176	6.14	-1.04	-1.56e-02	5.11	2.51	1365.90	-48.59	-35.80	1353.11	133.90
1	67	177	6.80	-0.53	1.24	5.03	3.14	1432.63	-191.76	-156.58	1397.45	236.45
1	67	178	5.34	2.07	2.20	5.22	0.63	1430.50	-493.37	-390.72	1327.85	432.38
1	67	179	6.69	2.05	2.50	6.24	-1.37	1160.44	-178.55	-172.88	1154.77	86.92
1	67	180	21.90	-1.10	17.59	3.22	-8.98	-1131.43	-2183.87	-1981.65	-1333.65	414.65
1	67	181	-12.25	-20.65	-13.74	-19.16	-3.20	-306.02	-2008.48	-1836.75	-477.75	-512.71
1	67	182	9.77	-9.03	-0.47	1.20	-9.36	405.49	-1085.61	-1040.14	360.02	-256.37
1	67	183	4.84	0.44	0.49	4.78	-0.51	839.64	-513.05	-505.67	832.26	-99.64
1	67	184	3.76	0.41	0.41	3.76	0.15	1002.17	-248.87	-246.29	999.59	-56.75
1	67	185	3.80	4.23e-02	0.13	3.71	0.56	1099.21	-100.69	-99.86	1098.37	-31.68
1	67	186	4.16	-0.26	-0.12	4.02	0.77	1173.12	-21.88	-21.71	1172.96	-14.21



1	67	187	4.88	-0.45	-0.28	4.70	0.95	1245.13	6.51	6.51	1245.13	1.07
1	67	188	6.03	-0.93	-0.71	5.81	1.22	1322.03	-22.14	-21.94	1321.83	16.45
1	67	189	7.95	-0.93	-0.58	7.60	1.71	1401.06	-100.19	-99.37	1400.24	35.04
1	67	190	10.62	-2.77	-1.96	9.80	3.20	1462.38	-292.49	-290.13	1460.02	64.33
1	67	191	12.86	-1.81	2.45	8.61	6.66	1547.13	-563.46	-549.50	1533.17	171.09
1	67	192	20.32	-1.18	17.56	1.58	-7.20	1598.28	-1219.07	-1159.76	1538.96	404.47
1	67	193	29.13	-16.35	18.14	-5.37	-19.47	-548.37	-2786.87	-2588.00	-747.23	636.88
1	67	194	31.70	25.44	27.88	29.26	-3.05	-590.38	-2058.77	-2046.03	-603.12	136.18
1	67	195	25.03	2.84	2.91	24.97	-1.20	605.27	-951.63	-951.43	605.07	17.80
1	67	196	3.86	0.53	0.66	3.73	0.64	822.37	-531.54	-531.39	822.22	14.29
1	67	197	3.93	0.43	0.46	3.91	0.27	1005.37	-251.07	-251.07	1005.37	-1.29
1	67	198	3.77	2.20e-02	4.02e-02	3.75	0.26	1099.19	-104.74	-104.73	1099.18	3.48
1	67	199	4.14	-0.22	-0.19	4.11	0.34	1174.51	-24.75	-24.75	1174.51	0.87
1	67	200	4.85	-0.38	-0.36	4.83	0.36	1246.65	5.08	5.08	1246.65	-0.81
1	67	201	6.05	-0.81	-0.79	6.03	0.34	1324.21	-19.80	-19.79	1324.20	-3.35
1	67	202	7.79	-0.98	-0.96	7.78	0.38	1399.23	-98.26	-98.07	1399.05	-16.77
1	67	203	11.92	0.97	1.01	11.88	0.69	1484.15	-222.48	-222.31	1483.98	-16.91
1	67	204	22.69	-0.68	-0.47	22.48	2.20	1633.98	-523.79	-523.69	1633.87	-15.25
1	67	205	66.18	-17.30	66.13	-17.25	2.11	1986.90	-443.16	-438.64	1982.38	-104.72
1	67	206	7.13	-6.56	1.23	-0.65	-6.78	-1647.54	-4446.15	-4444.45	-1649.24	69.03
1	67	207	17.66	-8.36	9.92	-0.62	11.89	-754.00	-1364.29	-1225.37	-892.92	-255.90
1	67	208	-7.91	-14.41	-7.92	-14.40	-0.21	-149.90	-1678.92	-1436.91	-391.91	558.10
1	67	209	8.10	-10.09	-1.67	-0.32	9.07	436.27	-1025.97	-938.15	348.45	347.42
1	67	210	5.05	0.37	0.65	4.78	1.11	835.17	-478.23	-459.28	816.22	156.61
1	67	211	3.87	0.36	0.41	3.82	0.41	996.87	-231.07	-224.39	990.19	90.34
1	67	212	3.80	0.10	0.10	3.80	2.99e-02	1093.58	-90.96	-88.94	1091.56	48.95
1	67	213	4.12	-0.17	-0.16	4.11	-0.15	1167.61	-15.48	-15.19	1167.33	18.33
1	67	214	4.87	-0.38	-0.35	4.85	-0.38	1239.63	12.47	12.52	1239.58	-7.67
1	67	215	6.12	-0.88	-0.81	6.05	-0.70	1316.28	-13.41	-12.46	1315.32	-35.71
1	67	216	8.18	-1.38	-1.25	8.05	-1.10	1393.54	-94.43	-91.00	1390.11	-71.39
1	67	217	11.46	-2.23	-1.85	11.08	-2.23	1456.86	-254.99	-246.74	1448.62	-118.53
1	67	218	15.05	-1.26	1.90	11.88	-6.45	1569.98	-487.34	-453.07	1535.71	-263.32
1	67	219	30.35	5.67	25.21	10.82	10.02	1546.80	-1057.13	-925.11	1414.78	-571.27
1	67	220	17.09	-13.55	10.59	-7.04	12.53	-97.97	-1940.04	-1671.33	-366.69	-650.22
1	67	221	-4.76	-12.36	-11.37	-5.74	-2.56	-63.95	-788.57	-589.07	-263.45	323.67
1	67	222	10.74	2.00	8.73	4.02	-3.68	245.24	-578.07	-351.18	18.34	367.87
1	67	223	2.96	-0.69	0.72	1.55	1.78	633.02	-622.51	-443.81	454.32	438.67
1	67	224	3.78	-0.31	0.58	2.89	1.69	814.24	-335.39	-248.92	727.78	303.19
1	67	225	3.27	0.40	0.64	3.03	0.80	963.55	-135.15	-97.46	925.86	199.98
1	67	226	3.23	0.21	0.22	3.22	0.19	1056.43	-21.48	-8.83	1043.79	116.07
1	67	227	3.64	-1.93e-02	1.34e-02	3.61	-0.34	1128.52	40.16	42.39	1126.29	49.25
1	67	228	4.39	-0.21	-3.85e-02	4.21	-0.88	1199.18	64.72	64.82	1199.09	-10.42
1	67	229	5.43	-0.56	-0.18	5.04	-1.47	1272.86	48.34	52.67	1268.53	-72.67
1	67	230	6.78	-0.90	-0.15	6.04	-2.27	1346.03	-13.39	3.05	1329.59	-148.57
1	67	231	8.12	-0.35	1.27	6.49	-3.34	1414.58	-119.37	-75.71	1370.91	-255.09
1	67	232	7.70	2.22	3.02	6.90	-1.94	1431.64	-368.29	-246.38	1309.74	-452.28
1	67	233	10.03	-5.41	-3.99	8.61	-4.47	1203.04	-795.64	-433.55	840.95	-769.80
1	67	234	0.19	-4.88	-2.12	-2.57	-2.52	760.22	-1209.57	-623.75	174.40	-900.42
1	67	235	0.40	-0.66	0.35	-0.62	0.21	538.77	-341.59	169.53	27.66	434.43
1	67	236	1.49	2.33e-03	1.11	0.38	-0.65	557.05	-234.85	174.23	147.96	395.74
1	67	237	3.08	0.37	3.07	0.38	0.14	710.38	-126.56	154.05	429.76	395.11
1	67	238	1.37	-0.89	-0.62	1.10	0.73	805.46	-103.95	29.03	672.48	321.32
1	67	239	2.08	0.50	0.67	1.91	0.49	914.73	23.62	89.05	849.29	232.43
1	67	240	2.34	0.43	0.43	2.34	4.11e-02	996.64	93.11	116.07	973.68	142.19
1	67	241	2.83	0.43	0.55	2.72	-0.51	1067.05	136.07	140.32	1062.79	62.82
1	67	242	3.50	-1.53e-02	0.38	3.10	-1.11	1134.80	150.43	150.56	1134.67	-11.38
1	67	243	4.21	-0.45	0.31	3.44	-1.73	1202.28	144.83	152.47	1194.64	-89.57
1	67	244	4.91	-0.43	0.95	3.54	-2.34	1265.09	121.44	152.32	1234.21	-185.39
1	67	245	5.73	0.64	3.02	3.35	-2.54	1311.70	76.09	166.95	1220.84	-322.50
1	67	246	4.09	-1.72	-0.66	3.03	-2.24	1292.75	-118.20	103.88	1070.67	-513.83
1	67	247	3.62	-2.91	-2.16	2.86	-2.08	1192.20	-353.53	112.96	725.71	-709.54
1	67	248	1.91	-4.57	-3.61	0.94	-2.31	1060.20	-598.84	188.27	273.09	-828.43
1	67	249	0.44	-0.13	0.31	7.88e-04	-0.24	780.48	-68.21	597.68	114.59	348.89
1	67	250	1.26	4.97e-02	1.11	0.21	-0.41	725.73	43.88	537.39	232.22	304.88
1	67	251	2.53	0.14	2.52	0.15	-0.16	740.89	142.69	435.39	448.19	299.03
1	67	252	0.92	0.54	0.91	0.56	7.94e-02	779.51	174.14	314.54	639.11	255.50
1	67	253	1.07	-0.34	-0.34	1.07	4.63e-02	856.15	179.76	245.01	790.91	199.68
1	67	254	1.56	0.81	0.88	1.49	-0.22	931.51	223.74	247.92	907.32	128.58
1	67	255	2.09	0.38	0.68	1.78	-0.66	1000.56	236.27	240.77	996.06	58.44
1	67	256	2.69	9.60e-02	0.82	1.96	-1.16	1064.57	245.62	245.77	1064.42	-11.03
1	67	257	3.19	-0.16	1.01	2.01	-1.60	1122.31	259.45	268.15	1113.60	-86.21
1	67	258	3.94	0.13	2.21	1.86	-1.90	1166.05	282.94	318.89	1130.10	-174.51
1	67	259	3.27	-0.54	1.21	1.52	-1.90	1186.41	246.04	350.02	1082.43	-294.91
1	67	260	2.01	-2.04	-1.23	1.20	-1.61	1169.07	154.81	394.54	929.33	-430.91
1	67	261	1.27	-2.92	-2.44	0.79	-1.33	1136.95	24.86	509.34	652.48	-551.42
1	67	262	0.47	-4.22	-4.03	0.28	-0.92	1151.33	-190.54	670.36	290.43	-643.48



1	67	263	0.13	-0.27	-0.13	-1.26e-02	-0.20	883.96	77.27	813.81	147.41	227.29
1	67	264	0.89	-3.11e-02	0.80	6.55e-02	-0.28	815.17	199.85	746.75	268.27	193.44
1	67	265	2.05	9.69e-02	2.01	0.14	-0.27	755.94	339.00	636.03	458.91	188.72
1	67	266	2.49	0.31	2.46	0.34	-0.24	740.35	401.70	521.35	620.70	161.87
1	67	267	0.73	-0.42	-0.35	0.66	-0.27	794.28	334.59	374.68	754.20	129.69
1	67	268	1.14	5.49e-02	0.25	0.95	-0.42	875.06	316.98	331.59	860.45	89.12
1	67	269	1.68	0.20	0.79	1.08	-0.73	945.70	322.59	325.27	943.02	40.74
1	67	270	2.19	3.22e-02	1.12	1.10	-1.08	1005.48	324.93	325.06	1005.36	-9.36
1	67	271	2.81	2.26e-02	1.87	0.96	-1.32	1049.33	364.93	371.01	1043.25	-64.20
1	67	272	3.12	-0.15	2.29	0.68	-1.42	1069.80	407.95	434.21	1043.54	-129.19
1	67	273	1.28	-1.60	-0.72	0.39	-1.33	1061.85	387.29	463.70	985.44	-213.78
1	67	274	0.65	-2.06	-1.54	0.13	-1.07	1032.75	392.32	579.63	845.44	-291.33
1	67	275	0.11	-2.96	-2.80	-4.84e-02	-0.67	1037.16	310.80	735.85	612.11	-357.87
1	67	276	-8.58e-02	-4.40	-4.38	-0.10	-0.25	1139.14	87.20	939.24	287.10	-412.70
1	67	277	2.46e-02	-0.41	-0.37	-1.12e-02	-0.12	919.19	149.98	909.96	159.20	83.72
1	67	278	0.54	-1.04e-02	0.49	4.21e-02	-0.16	846.36	274.40	837.89	282.88	69.11
1	67	279	1.66	3.24e-02	1.64	5.80e-02	-0.20	740.46	445.94	722.73	463.66	70.05
1	67	280	2.28	0.15	2.26	0.17	-0.21	673.47	542.86	605.12	611.21	65.23
1	67	281	0.49	-0.55	-0.40	0.34	-0.37	742.21	436.61	445.37	733.45	51.01
1	67	282	1.00	-0.17	0.31	0.52	-0.57	835.18	385.69	388.15	832.72	33.18
1	67	283	1.55	9.05e-03	0.92	0.64	-0.76	912.13	373.60	374.04	911.69	15.27
1	67	284	2.00	-6.71e-02	1.35	0.59	-0.96	969.10	373.33	373.38	969.05	-5.31
1	67	285	2.49	-0.10	1.96	0.43	-1.04	1002.78	421.02	423.10	1000.70	-34.69
1	67	286	2.61	-0.11	2.29	0.22	-0.88	1001.77	489.23	495.73	995.27	-57.34
1	67	287	0.30	-1.24	-0.90	-3.51e-02	-0.64	954.45	518.47	538.36	934.56	-90.97
1	67	288	-0.11	-1.99	-1.86	-0.24	-0.47	878.79	596.32	671.95	803.17	-125.07
1	67	289	-0.31	-3.20	-3.18	-0.32	-0.21	917.18	514.85	843.39	588.63	-155.69
1	67	290	-0.21	-4.79	-4.79	-0.21	-9.14e-03	1093.94	240.58	1053.84	280.68	-180.59
1	67	291	-1.83e-02	-0.28	-0.28	-1.83e-02	-3.54e-03	915.00	158.44	913.49	159.95	-33.71
1	67	292	0.51	3.17e-02	0.51	3.48e-02	3.85e-02	842.05	282.89	840.40	284.55	-30.36
1	67	293	1.56	4.26e-02	1.56	4.42e-02	4.95e-02	728.15	461.67	724.62	465.20	-30.47
1	67	294	2.17	0.12	2.16	0.13	0.11	645.43	575.25	608.87	611.81	-35.06
1	67	295	0.27	-0.46	-0.46	0.27	2.29e-02	735.64	448.64	451.54	732.75	-28.66
1	67	296	0.43	0.26	0.28	0.41	-5.43e-02	830.60	394.14	394.96	829.78	-18.93
1	67	297	0.93	0.49	0.91	0.51	-8.53e-02	906.95	379.84	380.37	906.42	-16.77
1	67	298	1.36	0.42	1.34	0.45	-0.15	961.66	379.93	380.06	961.52	-8.90
1	67	299	1.94	0.28	1.94	0.29	-0.12	991.30	428.14	428.22	991.22	6.97
1	67	300	1.07	0.11	1.06	0.11	5.98e-02	984.83	477.11	477.80	984.15	18.64
1	67	301	-3.43e-02	-1.02	-0.96	-9.17e-02	0.23	925.46	542.48	545.09	922.85	31.50
1	67	302	-0.22	-2.10	-2.06	-0.25	0.25	810.73	656.09	674.96	791.85	50.63
1	67	303	-0.29	-3.44	-3.42	-0.31	0.25	861.83	561.53	843.64	579.72	71.64
1	67	304	-0.19	-5.03	-5.02	-0.20	0.15	1056.95	267.61	1048.51	276.05	81.17
1	67	305	7.71e-02	-0.13	-2.92e-02	-2.43e-02	0.10	875.68	98.18	823.78	150.08	-194.06
1	67	306	0.74	-1.59e-02	0.67	5.42e-02	0.22	808.52	219.11	753.86	273.78	-170.97
1	67	307	1.63	8.60e-02	1.61	0.11	0.20	737.03	371.07	643.41	464.69	-159.67
1	67	308	2.18	0.20	2.15	0.22	0.21	719.27	442.15	537.76	623.66	-131.73
1	67	309	1.00	0.26	0.85	0.41	0.29	777.72	396.71	422.90	751.54	-96.39
1	67	310	0.90	-0.14	0.17	0.59	0.47	858.03	346.13	353.26	850.90	-59.98
1	67	311	1.33	0.14	0.78	0.68	0.59	927.86	345.36	346.30	926.92	-23.38
1	67	312	1.65	0.21	1.20	0.66	0.67	983.00	347.95	348.18	982.77	12.17
1	67	313	2.19	0.15	1.82	0.52	0.79	1018.67	386.09	390.19	1014.58	50.75
1	67	314	1.56	-0.22	0.97	0.37	0.84	1026.15	411.84	427.27	1010.72	96.13
1	67	315	0.61	-1.44	-1.03	0.21	0.82	995.46	431.18	477.25	949.39	154.51
1	67	316	0.33	-2.36	-2.11	8.16e-02	0.78	935.07	465.39	590.08	810.38	207.41
1	67	317	0.13	-3.61	-3.45	-2.44e-02	0.74	927.86	397.19	740.76	584.28	253.54
1	67	318	-2.27e-02	-5.03	-4.99	-6.64e-02	0.47	1038.95	162.52	929.01	272.46	290.29
1	67	319	0.42	-5.88e-02	0.39	-2.84e-02	0.12	775.97	-34.59	620.17	121.20	-319.39
1	67	320	0.91	0.14	0.83	0.22	0.24	728.31	75.50	559.20	244.61	-286.00
1	67	321	1.72	0.19	1.71	0.20	0.12	733.85	192.02	465.02	460.85	-270.91
1	67	322	2.24	0.41	2.24	0.41	1.81e-02	775.58	262.05	389.82	647.82	-222.01
1	67	323	0.73	-0.65	-0.65	0.73	8.59e-02	834.53	238.47	283.68	789.32	-157.82
1	67	324	1.15	0.25	0.41	0.99	0.35	907.43	266.24	281.16	892.51	-96.67
1	67	325	1.54	0.31	0.71	1.13	0.58	970.90	279.92	282.21	968.62	-39.70
1	67	326	1.82	0.21	0.84	1.19	0.79	1026.78	285.70	285.97	1026.50	14.25
1	67	327	2.10	1.50e-02	0.93	1.19	1.03	1073.01	298.86	305.68	1066.20	72.32
1	67	328	2.13	-0.22	0.83	1.08	1.17	1100.06	304.57	331.23	1073.39	143.18
1	67	329	1.48	-1.61	-1.09	0.96	1.15	1093.86	268.01	343.07	1018.80	237.38
1	67	330	1.30	-2.54	-2.18	0.94	1.12	1048.80	229.90	411.93	866.76	340.49
1	67	331	1.10	-3.86	-3.51	0.76	1.26	996.92	127.13	520.57	603.48	432.91
1	67	332	0.52	-5.18	-4.96	0.31	1.08	1007.29	-77.01	664.96	265.32	503.98
1	67	333	0.67	-0.45	0.61	-0.39	-0.25	549.84	-280.66	226.87	42.30	-404.86
1	67	334	1.01	0.54	0.76	0.80	0.23	561.18	-189.68	199.63	171.87	-375.17
1	67	335	1.82	0.45	1.82	0.46	-3.80e-02	697.15	-78.09	160.80	458.26	-357.95
1	67	336	1.05	0.28	0.46	0.87	-0.32	802.64	20.54	131.93	691.25	-273.33
1	67	337	1.47	0.52	0.54	1.45	-0.15	894.43	114.45	161.01	847.87	-184.79
1	67	338	1.72	0.45	0.50	1.67	0.25	965.57	172.12	186.93	950.76	-107.39



1	67	339	2.07	0.29	0.51	1.85	0.58	1025.44	202.52	204.81	1023.15	-43.34
1	67	340	2.42	0.13	0.54	2.02	0.88	1081.85	215.69	215.92	1081.62	13.94
1	67	341	2.84	-9.37e-02	0.59	2.16	1.24	1135.93	215.07	221.30	1129.70	75.50
1	67	342	3.11	-0.30	0.66	2.15	1.53	1180.29	189.48	213.47	1156.30	152.30
1	67	343	3.07	-0.27	0.68	2.11	1.51	1198.37	124.66	193.45	1129.58	262.93
1	67	344	2.63	-2.70	-2.30	2.23	1.41	1148.49	-34.86	139.07	974.57	419.00
1	67	345	3.03	-4.42	-3.85	2.46	1.98	1032.79	-220.76	163.91	648.12	578.13
1	67	346	1.82	-5.45	-4.56	0.93	2.38	895.22	-437.36	223.15	234.71	666.26
1	67	347	-3.08	-5.95	-5.84	-3.19	0.55	-24.41	-660.30	-486.66	-198.05	-283.31
1	67	348	5.58	3.92	4.99	4.51	0.80	297.89	-523.66	-285.30	59.54	-372.84
1	67	349	1.11	-1.40	-1.30	1.00	-0.50	641.82	-467.74	-328.55	502.62	-367.52
1	67	350	2.88	2.83e-02	0.33	2.58	-0.88	821.28	-179.93	-117.96	759.32	-241.25
1	67	351	2.50	0.76	0.79	2.47	-0.24	942.64	1.97	26.58	918.03	-150.14
1	67	352	2.51	0.45	0.49	2.47	0.26	1017.43	93.39	100.97	1009.85	-83.34
1	67	353	2.77	0.13	0.27	2.63	0.59	1075.97	139.22	140.32	1074.87	-32.00
1	67	354	3.19	-0.12	0.13	2.94	0.88	1133.04	156.00	156.13	1132.91	11.23
1	67	355	3.80	-0.57	-0.18	3.41	1.24	1191.40	139.83	143.09	1188.14	58.45
1	67	356	4.50	-0.98	-0.38	3.91	1.70	1245.65	86.76	98.57	1233.84	116.38
1	67	357	5.06	-0.47	0.61	3.98	2.19	1285.13	-8.98	23.20	1252.95	201.50
1	67	358	4.30	0.86	0.92	4.25	0.43	1260.25	-235.53	-144.68	1169.40	357.26
1	67	359	8.11	-9.27	-8.15	6.99	4.28	1012.99	-677.79	-384.09	719.29	640.56
1	67	360	3.80	-3.10	1.25	-0.56	3.33	576.07	-1005.35	-553.55	124.28	714.39
1	67	361	16.41	1.37	15.08	2.70	-4.26	-896.89	-1563.03	-1444.68	-1015.24	254.62
1	67	362	-10.16	-14.59	-10.93	-13.82	-1.68	-23.17	-1459.09	-1280.62	-201.64	-473.72
1	67	363	7.97	-6.60	-0.54	1.90	-7.18	513.21	-698.07	-650.26	465.40	-235.85
1	67	364	4.28	-0.12	-7.66e-02	4.23	-0.43	840.37	-259.30	-249.70	830.76	-102.33
1	67	365	3.29	0.17	0.19	3.28	0.23	970.40	-59.67	-56.21	966.94	-59.59
1	67	366	3.19	0.45	0.58	3.06	0.58	1048.87	57.91	59.03	1047.75	-33.30
1	67	367	3.33	-0.15	-3.30e-03	3.17	0.71	1108.39	104.42	104.54	1108.27	-10.88
1	67	368	3.78	-0.30	-0.14	3.62	0.79	1165.56	126.23	126.28	1165.51	7.51
1	67	369	4.59	-1.02	-0.86	4.43	0.92	1224.59	101.16	101.93	1223.83	29.31
1	67	370	6.01	-1.10	-0.89	5.80	1.20	1280.56	48.84	51.07	1278.33	52.33
1	67	371	8.01	-2.19	-1.71	7.52	2.17	1314.81	-80.54	-75.71	1309.98	81.94
1	67	372	9.67	-1.41	1.13	7.12	4.66	1350.25	-290.87	-274.13	1333.51	164.91
1	67	373	13.37	-2.05	11.20	0.12	-5.36	1335.14	-818.83	-755.88	1272.18	362.82
1	67	374	23.61	-12.63	14.13	-3.15	-15.93	-420.98	-2059.48	-1894.76	-585.70	492.70
1	67	375	24.79	19.14	23.99	19.94	-1.97	-243.56	-1428.14	-1421.64	-250.05	87.44
1	67	376	19.69	2.51	2.53	19.67	-0.64	656.52	-564.12	-563.70	656.09	-22.75
1	67	377	3.83	6.50e-02	0.27	3.62	0.86	829.26	-261.31	-261.18	829.12	-12.05
1	67	378	3.67	0.73	1.00	3.40	0.84	975.63	-41.65	-41.60	975.58	-7.33
1	67	379	3.37	0.28	0.54	3.11	0.85	1053.42	57.42	57.45	1053.39	-5.41
1	67	380	3.46	-5.52e-02	0.14	3.26	0.80	1114.57	107.28	107.28	1114.56	-1.89
1	67	381	3.87	-0.33	-0.19	3.73	0.75	1171.79	126.21	126.23	1171.76	5.23
1	67	382	4.70	-1.01	-0.92	4.61	0.71	1230.67	103.84	104.04	1230.46	15.19
1	67	383	5.98	-1.50	-1.45	5.93	0.62	1282.89	46.51	47.31	1282.09	31.37
1	67	384	9.05	0.41	0.43	9.03	0.38	1332.14	-26.88	-26.23	1331.50	29.54
1	67	385	17.42	-1.60	-1.57	17.39	0.77	1417.33	-270.25	-269.91	1416.99	24.01
1	67	386	49.19	-10.08	49.17	-10.06	1.20	1608.45	-207.57	-206.03	1606.92	-52.76
1	67	387	11.60	-6.09	5.55	-3.60e-02	8.39	-484.55	-946.54	-778.78	-652.31	-222.17
1	67	388	-5.38	-9.44	-5.92	-8.90	-1.39	33.12	-1125.00	-945.23	-146.66	419.38
1	67	389	6.42	-7.62	-1.90	0.70	6.89	508.38	-620.40	-574.06	462.03	223.98
1	67	390	4.56	-1.21	-0.98	4.33	1.13	834.23	-236.99	-229.66	826.89	88.33
1	67	391	3.52	7.35e-02	0.22	3.38	0.69	973.01	-37.93	-35.56	970.63	48.89
1	67	392	3.22	0.58	0.62	3.18	0.33	1056.11	68.52	69.35	1055.27	28.75
1	67	393	3.30	-3.80e-03	-3.79e-03	3.30	4.50e-03	1117.88	109.78	110.21	1117.45	20.81
1	67	394	3.79	-0.17	-0.15	3.78	-0.26	1175.03	131.58	131.72	1174.89	12.11
1	67	395	4.70	-0.95	-0.91	4.65	-0.51	1231.75	109.98	109.99	1231.73	3.76
1	67	396	6.25	-1.06	-0.95	6.14	-0.90	1282.24	67.89	68.04	1282.09	-13.50
1	67	397	8.88	-1.98	-1.56	8.46	-2.10	1312.65	-40.42	-38.31	1310.54	-53.39
1	67	398	11.71	-2.22	0.69	8.80	-5.66	1355.07	-207.98	-190.98	1338.07	-162.14
1	67	399	22.01	4.15	18.38	7.77	7.18	1282.52	-641.82	-551.88	1192.58	-406.18
1	67	400	10.50	-9.99	5.05	-4.54	9.05	-84.56	-1264.17	-1090.14	-258.59	-418.33
1	67	401	-3.33	-9.15	-9.02	-3.46	-0.86	33.95	-394.12	-223.58	-136.59	209.57
1	67	402	7.72	2.60	6.47	3.85	-2.19	292.86	-232.69	-67.67	127.85	243.92
1	67	403	2.55	-1.58	-0.95	1.92	1.49	621.31	-294.91	-198.51	524.92	281.12
1	67	404	3.27	-0.14	0.42	2.70	1.27	803.35	-79.55	-42.09	765.89	177.97
1	67	405	2.77	4.74e-02	0.11	2.71	0.40	945.02	37.60	49.47	933.15	103.12
1	67	406	2.78	5.15e-02	7.26e-02	2.75	-0.24	1036.86	106.63	109.70	1033.79	53.38
1	67	407	3.21	7.62e-02	0.32	2.97	-0.84	1103.81	149.15	149.59	1103.36	20.66
1	67	408	3.87	-0.36	0.15	3.36	-1.37	1162.08	164.14	164.20	1162.01	-7.84
1	67	409	4.72	-0.58	0.19	3.95	-1.87	1214.80	164.91	166.20	1213.52	-36.71
1	67	410	5.79	-0.84	0.30	4.66	-2.49	1256.30	139.94	145.37	1250.86	-77.71
1	67	411	6.79	-1.05	0.76	4.99	-3.30	1279.11	77.77	95.79	1261.09	-146.03
1	67	412	6.56	1.62	2.94	5.25	-2.19	1243.42	-51.65	13.72	1178.05	-283.53
1	67	413	8.18	-5.15	-3.92	6.95	-3.87	1004.92	-364.69	-127.39	767.62	-518.36
1	67	414	9.51e-02	-5.03	-3.27	-1.66	-2.43	612.78	-669.63	-240.81	183.95	-605.01



1	67	415	1.34	-0.56	1.09	-0.31	0.64	528.64	-51.11	395.25	82.28	244.01
1	67	416	1.74	0.66	1.74	0.66	-1.10e-02	513.58	53.61	341.72	225.47	222.52
1	67	417	0.90	0.14	0.38	0.66	0.36	625.18	111.60	235.18	501.59	219.54
1	67	418	1.32	-1.45	-1.33	1.19	0.57	772.53	97.30	141.66	728.17	167.28
1	67	419	1.80	-0.88	-0.87	1.79	0.18	904.33	138.27	153.98	888.62	108.57
1	67	420	2.16	6.17e-02	0.11	2.11	-0.32	1004.10	179.07	183.66	999.50	61.41
1	67	421	2.73	1.59e-02	0.37	2.37	-0.92	1077.93	202.96	203.64	1077.25	24.37
1	67	422	3.46	-0.14	0.69	2.63	-1.52	1136.75	215.39	215.44	1136.70	-6.52
1	67	423	4.16	-0.26	1.05	2.85	-2.02	1182.59	235.22	237.00	1180.80	-41.07
1	67	424	4.77	-0.41	1.50	2.86	-2.50	1208.08	246.17	254.69	1199.57	-90.12
1	67	425	5.51	0.17	3.01	2.66	-2.67	1196.58	262.02	293.61	1164.99	-168.89
1	67	426	4.08	-1.01	0.67	2.39	-2.39	1117.04	182.96	288.81	1011.19	-296.09
1	67	427	2.94	-4.33	-3.64	2.25	-2.14	966.49	24.71	300.34	690.86	-428.50
1	67	428	1.36	-5.90	-5.23	0.70	-2.10	845.25	-172.73	402.78	269.74	-504.62
1	67	429	0.85	-1.65e-02	0.82	1.35e-02	0.16	725.14	119.58	697.13	147.59	127.19
1	67	430	1.71	0.24	1.71	0.24	5.11e-02	653.57	254.83	622.17	286.24	107.40
1	67	431	0.29	-1.43	-1.43	0.29	2.83e-02	581.91	344.59	410.92	515.58	106.50
1	67	432	0.69	-1.47	-1.47	0.69	-2.73e-02	729.67	282.64	301.56	710.75	90.00
1	67	433	1.20	-0.71	-0.67	1.17	-0.26	867.93	251.07	257.68	861.32	63.48
1	67	434	1.76	-0.25	-5.67e-02	1.57	-0.59	974.57	249.37	251.36	972.57	37.98
1	67	435	2.42	-5.20e-02	0.54	1.83	-1.05	1054.22	253.48	253.80	1053.91	15.84
1	67	436	3.16	-4.08e-03	1.18	1.97	-1.53	1113.18	262.02	262.05	1113.15	-5.19
1	67	437	3.79	4.97e-02	1.87	1.97	-1.87	1151.03	292.72	293.77	1149.98	-29.98
1	67	438	4.30	1.25e-02	2.54	1.77	-2.11	1155.70	335.89	341.24	1150.35	-66.01
1	67	439	4.45	-5.71e-02	2.97	1.42	-2.11	1108.39	406.71	428.55	1086.56	-121.84
1	67	440	4.00	-7.65e-02	2.83	1.10	-1.85	1004.66	451.83	532.37	924.13	-195.02
1	67	441	1.13	-4.42	-3.98	0.70	-1.49	866.75	330.00	547.55	649.21	-263.52
1	67	442	0.34	-6.01	-5.86	0.19	-0.96	877.87	125.02	713.76	289.13	-310.84
1	67	443	0.56	-3.23e-02	0.55	-1.86e-02	8.96e-02	803.28	166.12	801.96	167.43	-28.90
1	67	444	1.61	7.00e-02	1.58	9.88e-02	0.21	723.35	305.85	721.13	308.06	-30.32
1	67	445	2.82	0.21	2.78	0.26	0.34	590.73	522.04	587.14	525.62	-15.28
1	67	446	0.53	-1.64	-1.58	0.48	0.35	708.50	367.31	367.32	708.49	-1.79
1	67	447	0.92	-0.62	-0.61	0.91	-0.11	854.07	301.23	301.24	854.06	-2.23
1	67	448	1.68	-0.28	9.41e-02	1.31	-0.77	963.60	290.49	290.59	963.50	-7.97
1	67	449	2.40	-0.10	0.74	1.56	-1.18	1044.78	276.62	276.62	1044.78	-0.82
1	67	450	2.99	7.08e-02	1.41	1.65	-1.45	1103.05	281.91	281.92	1103.04	-2.21
1	67	451	3.44	0.23	2.11	1.57	-1.58	1135.22	311.49	311.54	1135.16	-6.48
1	67	452	3.69	0.31	2.72	1.28	-1.53	1126.16	366.21	366.94	1125.43	-23.53
1	67	453	3.53	0.41	3.00	0.94	-1.17	1051.30	485.50	485.91	1050.89	-15.20
1	67	454	1.13	-0.49	1.89e-02	0.63	-0.75	894.19	551.10	556.45	888.84	-42.51
1	67	455	0.31	-4.47	-4.43	0.28	-0.42	708.41	567.24	644.55	631.09	-70.26
1	67	456	3.07e-02	-6.39	-6.39	2.70e-02	-0.15	847.60	275.90	833.79	289.70	-87.76
1	67	457	0.67	3.37e-02	0.66	4.51e-02	8.41e-02	767.42	142.00	748.71	160.71	-106.55
1	67	458	1.64	1.99e-02	1.50	0.16	0.45	688.72	280.68	667.01	302.39	-91.58
1	67	459	2.99	1.77e-02	2.84	0.18	0.67	618.47	448.28	538.94	527.81	-84.91
1	67	460	0.71	-1.80	-1.59	0.50	0.70	732.20	314.77	328.72	718.25	-75.02
1	67	461	1.08	-0.73	-0.64	0.98	0.41	870.10	270.51	274.89	865.72	-51.04
1	67	462	1.41	6.44e-02	6.48e-02	1.40	2.23e-02	978.50	258.69	262.44	974.75	-51.81
1	67	463	1.68	0.71	0.72	1.66	-0.12	1056.06	260.82	262.37	1054.52	-35.01
1	67	464	1.81	1.35	1.42	1.74	-0.16	1111.66	268.08	268.41	1111.32	-16.77
1	67	465	2.18	1.65	2.15	1.67	-0.11	1144.07	295.06	295.14	1144.00	7.80
1	67	466	2.81	1.40	2.81	1.40	-1.13e-03	1138.14	355.10	357.31	1135.92	41.60
1	67	467	3.12	1.04	3.10	1.06	0.21	1071.67	444.03	454.86	1060.83	81.74
1	67	468	0.92	-1.49	-1.44	0.87	0.33	947.58	435.07	489.88	892.77	158.39
1	67	469	0.75	-4.88	-4.83	0.70	0.53	808.72	414.20	596.85	626.07	196.72
1	67	470	0.39	-6.90	-6.83	0.32	0.69	850.37	197.96	767.53	280.79	217.21
1	67	471	0.55	-0.23	0.47	-0.15	-0.25	628.52	-2.82	509.90	115.80	-246.62
1	67	472	1.77	-2.86e-02	1.32	0.43	0.78	601.30	116.52	448.45	269.36	-225.25
1	67	473	3.15	0.29	3.10	0.33	0.35	670.03	209.13	350.73	528.42	-212.64
1	67	474	0.87	-0.28	-0.28	0.86	3.53e-02	789.61	169.68	216.66	742.64	-164.06
1	67	475	1.51	-0.84	-0.80	1.48	0.29	912.45	168.02	183.83	896.64	-107.35
1	67	476	2.08	-0.36	-0.16	1.88	0.68	1008.43	186.61	190.81	1004.23	-58.57
1	67	477	2.54	8.31e-02	0.50	2.13	0.92	1080.57	210.16	210.72	1080.01	-22.06
1	67	478	2.93	0.53	1.21	2.25	1.08	1135.67	225.34	225.47	1135.55	10.75
1	67	479	3.44	0.84	1.99	2.29	1.29	1175.64	247.65	250.21	1173.09	48.60
1	67	480	3.88	1.04	2.78	2.14	1.38	1188.59	282.74	293.79	1177.54	99.44
1	67	481	3.94	1.23	3.35	1.82	1.12	1153.14	305.81	341.71	1117.24	170.67
1	67	482	1.74	-2.83	-2.75	1.66	0.57	1045.26	197.58	301.23	941.61	277.70
1	67	483	1.93	-5.45	-5.39	1.87	0.67	891.31	133.23	394.76	629.78	360.36
1	67	484	1.19	-7.68	-7.27	0.78	1.87	807.83	-46.54	512.49	248.80	406.33
1	67	485	-2.01	-8.91	-8.73	-2.20	1.13	246.14	-299.48	-4.91	-48.43	-271.94
1	67	486	5.53	-1.01	3.59	0.93	2.99	399.65	-152.25	55.41	191.99	-267.36
1	67	487	4.72	0.60	3.49	1.83	-1.89	694.80	-101.34	38.73	554.73	-303.14
1	67	488	2.30	-2.09	-1.95	2.16	-0.77	833.75	-68.02	-18.58	784.31	-205.28
1	67	489	2.44	-1.17	-1.17	2.44	-1.46e-03	961.58	34.08	50.27	945.38	-121.49
1	67	490	2.72	-3.79e-02	5.40e-02	2.62	0.49	1048.55	111.59	115.83	1044.31	-62.92



1	67	491	3.06	0.13	0.37	2.81	0.81	1112.53	146.87	147.43	1111.96	-23.29
1	67	492	3.42	0.34	0.75	3.01	1.04	1165.86	165.83	165.92	1165.77	9.46
1	67	493	4.06	0.88	1.65	3.30	1.36	1211.97	185.37	187.46	1209.89	46.24
1	67	494	4.74	1.32	2.53	3.54	1.63	1242.06	180.66	189.77	1232.94	97.92
1	67	495	4.89	2.32	3.40	3.81	1.27	1234.92	151.60	176.70	1209.82	163.00
1	67	496	4.03	0.52	0.59	3.95	0.51	1150.03	1.28	90.17	1061.13	306.95
1	67	497	4.16	-6.40	-6.22	3.98	1.36	904.43	-229.43	17.89	657.11	468.25
1	67	498	-0.95	-5.99	-4.48	-2.46	2.31	597.43	-425.61	29.83	142.00	508.44
1	67	499	14.16	-14.68	12.23	-12.74	-7.22	-195.48	-509.47	-446.47	-258.48	-125.74
1	67	500	-3.84	-9.90	-9.74	-4.00	-0.97	175.16	-846.52	-599.61	-71.76	-437.38
1	67	501	1.81	-3.41	-3.39	1.79	-0.32	621.69	-584.61	-497.15	534.23	-312.82
1	67	502	3.93	-2.22	-2.07	3.78	-0.95	879.07	-278.45	-254.47	855.09	-164.88
1	67	503	3.56	-1.61	-1.54	3.49	-0.60	1004.71	-91.65	-84.54	997.60	-87.97
1	67	504	3.41	-0.35	-0.32	3.38	-0.33	1081.40	31.17	33.49	1079.08	-49.32
1	67	505	3.47	0.24	0.25	3.46	-0.16	1137.56	94.08	94.77	1136.87	-26.82
1	67	506	3.74	0.28	0.28	3.74	-4.31e-04	1188.29	114.64	114.77	1188.16	-11.74
1	67	507	4.32	0.78	0.80	4.30	0.27	1238.37	115.56	115.65	1238.28	9.92
1	67	508	5.18	2.09	2.20	5.07	0.57	1279.49	94.32	95.92	1277.89	43.59
1	67	509	6.24	3.39	3.52	6.10	0.60	1297.28	11.75	18.71	1290.32	94.34
1	67	510	9.44	4.44	4.72	9.16	-1.15	1288.43	-158.91	-121.15	1250.67	230.72
1	67	511	8.88	-2.71	1.65	4.51	-5.62	925.94	-722.61	-525.63	728.96	534.72
1	67	512	14.19	-13.92	14.05	-13.78	-2.00	223.45	-937.12	-682.85	-30.83	480.05
1	67	513	3.46	-0.58	-0.30	3.18	-1.03	1052.30	-30.89	-9.23	1030.64	151.64
1	67	514	16.08	-2.14	15.68	-1.74	-2.66	-78.95	-1757.57	-1755.64	-80.88	56.85
1	67	515	12.84	8.22	8.79	12.28	-1.52	705.98	-699.63	-698.11	704.46	46.17
1	67	516	5.21	-1.35	-1.33	5.19	-0.39	890.94	-379.66	-378.24	889.52	42.49
1	67	517	4.19	-1.77	-1.70	4.12	-0.67	1016.39	-152.44	-152.06	1016.01	21.13
1	67	518	3.91	-7.59e-02	8.30e-02	3.75	-0.78	1085.01	6.58	6.62	1084.98	6.43
1	67	519	3.98	-0.17	6.49e-02	3.74	-0.97	1136.16	68.99	69.05	1136.09	-8.56
1	67	520	4.32	-0.18	9.66e-02	4.05	-1.08	1185.98	93.82	94.55	1185.25	-28.23
1	67	521	4.97	-0.11	0.14	4.72	-1.10	1238.67	77.34	78.87	1237.14	-42.16
1	67	522	5.98	1.76	2.05	5.69	-1.08	1287.14	50.53	53.18	1284.48	-57.28
1	67	523	6.85	4.06	4.15	6.76	-0.49	1323.04	-55.19	-52.10	1319.94	-65.24
1	67	524	11.78	3.89	11.42	4.26	1.66	1367.65	-281.81	-279.11	1364.95	-66.68
1	67	525	31.22	-25.49	30.87	-25.14	4.42	1358.18	-887.43	-885.29	1356.04	-69.24
1	67	526	3.95	-6.20	-6.18	3.93	0.43	692.36	-166.94	-71.82	597.24	269.60
1	67	527	-0.80	-5.13	-3.32	-2.61	2.14	299.23	-265.17	-73.41	107.47	267.32
1	67	528	14.11	-12.22	12.67	-10.78	-5.98	-310.12	-558.92	-557.36	-311.68	-19.64
1	67	529	-1.87	-6.36	-6.32	-1.91	0.41	135.28	-766.39	-618.68	-12.43	-333.71
1	67	530	2.35	-1.85	-1.82	2.32	-0.35	682.74	-470.60	-438.68	650.81	-189.20
1	67	531	3.88	-1.05	-0.83	3.66	-1.02	954.74	-210.80	-206.92	950.86	-67.18
1	67	532	3.73	-0.88	-0.62	3.47	-1.07	1084.19	-51.47	-50.80	1083.51	-27.71
1	67	533	3.63	-0.57	-0.29	3.35	-1.04	1156.56	42.98	43.42	1156.12	-22.18
1	67	534	3.64	-0.19	9.33e-02	3.36	-1.00	1204.67	96.19	96.62	1204.24	-21.71
1	67	535	3.77	0.18	0.45	3.50	-0.94	1242.75	117.99	118.46	1242.28	-22.96
1	67	536	4.02	0.76	0.99	3.80	-0.82	1274.73	117.85	119.39	1273.19	-42.20
1	67	537	4.33	1.46	1.60	4.19	-0.61	1288.51	81.60	82.68	1287.43	-36.14
1	67	538	4.71	2.33	2.42	4.63	-0.43	1261.35	-4.88	-4.79	1261.26	-10.75
1	67	539	8.01	-6.83	6.52	-5.34	4.45	-419.81	-668.15	-652.37	-435.59	60.57
1	67	540	-1.05	-7.85	-6.81	-2.09	-2.44	185.77	-1105.94	-806.77	-113.40	544.92
1	67	541	2.28	-5.41	-3.09	-3.53e-02	3.53	634.25	-719.61	-601.37	516.01	382.23
1	67	542	4.28	-1.10	-0.95	4.13	0.87	889.29	-309.51	-275.86	855.63	198.02
1	67	543	3.76	-0.73	-0.73	3.76	-8.50e-02	998.32	-102.55	-89.86	985.63	117.52
1	67	544	3.57	0.71	0.78	3.50	-0.44	1064.45	41.07	45.60	1059.93	67.90
1	67	545	3.71	-5.74e-02	0.14	3.51	-0.83	1113.52	87.89	88.59	1112.82	26.82
1	67	546	4.12	-0.17	0.17	3.79	-1.15	1161.67	109.92	110.17	1161.42	-16.23
1	67	547	4.78	-0.20	0.22	4.36	-1.39	1214.04	98.00	100.90	1211.14	-56.78
1	67	548	5.85	1.42	2.13	5.14	-1.63	1263.11	75.66	85.33	1253.43	-106.77
1	67	549	6.74	2.84	3.49	6.09	-1.45	1295.29	-30.57	-6.25	1270.97	-177.89
1	67	550	7.70	4.24	4.35	7.60	-0.59	1318.58	-260.00	-189.98	1248.56	-325.01
1	67	551	18.26	-2.59	8.13	7.54	10.42	1112.12	-830.55	-613.41	894.98	-612.11
1	67	552	8.95	-8.93	5.82	-5.81	6.79	115.14	-1216.45	-935.33	-165.98	-543.43
1	67	553	-2.31	-8.93	-8.92	-2.32	-0.25	246.66	-536.04	-190.07	-99.31	388.71
1	67	554	7.52	1.87	5.81	3.58	-2.59	458.57	-328.76	-39.32	169.12	379.62
1	67	555	4.80	1.69	3.55	2.94	1.52	752.17	-279.14	-72.54	545.57	412.78
1	67	556	3.32	1.19	2.00	2.51	1.04	863.10	-102.07	-5.66	766.69	289.41
1	67	557	2.77	1.46	1.55	2.68	0.32	957.55	31.19	71.85	916.89	189.77
1	67	558	2.78	1.67	1.70	2.75	-0.18	1018.08	121.04	134.72	1004.39	109.94
1	67	559	3.11	0.68	0.93	2.86	-0.74	1065.09	152.39	154.58	1062.91	44.59
1	67	560	3.56	6.92e-02	0.56	3.07	-1.21	1111.82	160.72	161.03	1111.51	-17.37
1	67	561	4.21	0.21	1.01	3.42	-1.60	1161.06	165.59	172.45	1154.21	-82.34
1	67	562	4.91	0.44	1.54	3.81	-1.92	1205.75	133.96	158.07	1181.64	-158.93
1	67	563	5.19	1.17	2.14	4.22	-1.72	1233.57	57.83	117.77	1173.63	-258.62
1	67	564	5.39	0.61	0.61	5.39	-0.16	1213.43	-139.28	15.50	1058.65	-430.60
1	67	565	8.86	-6.96	-6.43	8.33	-2.84	1028.16	-446.79	-79.46	660.84	-637.85
1	67	566	2.16	-6.99	-4.15	-0.68	-4.23	696.17	-759.69	-193.66	130.14	-709.70



1	67	567	3.02	-0.27	2.86	-0.11	0.71	707.79	-181.36	434.39	92.04	410.30
1	67	568	2.58	1.03	2.57	1.04	-0.12	685.29	-68.49	376.81	239.99	370.63
1	67	569	3.45	0.77	3.44	0.78	0.16	758.64	36.35	297.75	497.24	347.09
1	67	570	3.67	1.05	3.58	1.13	0.47	832.59	133.50	261.83	704.26	270.64
1	67	571	2.93	1.51	2.88	1.56	0.27	902.00	189.40	246.80	844.59	193.94
1	67	572	1.87	1.39	1.43	1.83	-0.14	956.38	207.64	225.89	938.13	115.47
1	67	573	2.43	0.88	1.30	2.01	-0.69	1004.47	230.76	233.42	1001.81	45.25
1	67	574	2.91	0.27	1.03	2.15	-1.20	1049.74	235.91	236.30	1049.35	-17.86
1	67	575	3.45	0.18	1.34	2.29	-1.56	1092.51	251.22	260.30	1083.43	-86.91
1	67	576	3.54	-0.33	0.87	2.34	-1.79	1125.72	232.17	265.30	1092.58	-168.85
1	67	577	2.98	-2.27	-1.69	2.40	-1.65	1136.89	148.61	237.05	1048.45	-282.10
1	67	578	3.09	-3.47	-3.15	2.76	-1.43	1108.52	53.72	268.65	893.60	-424.87
1	67	579	3.60	-5.76	-5.30	3.13	-2.04	1028.70	-101.72	330.64	596.34	-549.38
1	67	580	2.31	-7.40	-6.38	1.29	-2.97	961.72	-314.85	420.72	226.15	-630.83
1	67	581	2.53	-4.06e-03	2.53	-2.99e-03	5.21e-02	884.08	26.61	764.37	146.32	297.18
1	67	582	2.83	0.26	2.83	0.26	-6.88e-02	808.51	153.27	680.73	281.05	259.61
1	67	583	3.36	0.27	3.36	0.27	2.42e-02	768.33	277.49	554.88	490.94	243.33
1	67	584	3.51	0.47	3.50	0.47	0.10	784.37	333.13	454.48	663.02	200.08
1	67	585	3.09	0.79	3.09	0.79	2.55e-02	838.19	335.58	383.60	790.17	147.75
1	67	586	1.30	0.80	1.05	1.05	-0.25	895.90	295.31	310.36	880.86	93.85
1	67	587	2.00	0.59	1.37	1.22	-0.70	947.21	303.77	305.69	945.29	35.14
1	67	588	2.46	0.21	1.34	1.32	-1.13	991.15	308.89	309.24	990.80	-15.53
1	67	589	3.16	0.28	2.09	1.34	-1.39	1024.66	348.80	356.84	1016.62	-73.28
1	67	590	2.31	-0.97	6.27e-02	1.28	-1.52	1039.69	334.52	363.86	1010.34	-140.83
1	67	591	1.80	-2.50	-1.92	1.21	-1.48	1032.27	316.56	400.47	948.37	-230.24
1	67	592	1.62	-3.81	-3.42	1.24	-1.40	999.33	286.97	484.24	802.06	-318.77
1	67	593	1.41	-5.52	-5.17	1.05	-1.53	974.44	185.18	598.01	561.62	-394.21
1	67	594	0.71	-7.17	-6.94	0.48	-1.32	1007.59	-21.73	735.82	250.05	-453.74
1	67	595	2.01	-4.35e-02	2.01	-4.31e-02	2.88e-02	959.77	136.32	929.87	166.22	154.03
1	67	596	2.64	4.72e-02	2.64	4.80e-02	-4.76e-02	871.78	270.41	841.72	300.48	131.05
1	67	597	3.31	0.14	3.31	0.14	-8.53e-02	757.78	435.86	702.39	491.25	121.50
1	67	598	3.49	0.19	3.49	0.19	-0.12	716.15	501.09	575.57	641.66	102.33
1	67	599	1.07	0.27	1.02	0.32	-0.20	774.33	414.44	432.05	756.71	77.64
1	67	600	1.42	0.34	1.23	0.53	-0.41	848.44	374.18	379.43	843.19	49.62
1	67	601	1.80	0.16	1.30	0.66	-0.75	906.30	361.41	361.97	905.74	17.38
1	67	602	2.23	-5.39e-03	1.55	0.68	-1.03	948.05	363.00	363.19	947.86	-10.46
1	67	603	2.88	1.07e-02	2.26	0.64	-1.19	970.93	415.88	419.46	967.36	-44.39
1	67	604	1.58	-0.97	7.52e-02	0.54	-1.25	968.17	427.86	443.06	952.97	-89.32
1	67	605	0.90	-2.57	-2.07	0.40	-1.22	929.19	459.94	502.45	886.68	-134.68
1	67	606	0.60	-3.91	-3.61	0.29	-1.13	875.64	488.57	611.29	752.92	-180.12
1	67	607	0.24	-5.59	-5.42	6.55e-02	-0.99	885.83	402.98	747.67	541.15	-218.23
1	67	608	2.44e-02	-7.48	-7.43	-2.35e-02	-0.60	996.03	167.77	911.68	252.11	-250.49
1	67	609	1.82	-7.42e-02	1.82	-7.08e-02	7.99e-02	989.49	171.45	989.32	171.62	-11.96
1	67	610	2.51	-4.20e-02	2.51	-4.09e-02	5.12e-02	899.67	305.89	899.32	306.24	-14.46
1	67	611	3.28	-3.35e-02	3.28	-3.03e-02	0.10	756.21	490.40	756.03	490.58	-6.90
1	67	612	3.52	6.37e-02	3.51	7.40e-02	0.19	635.48	621.75	621.75	635.48	-0.14
1	67	613	1.09	0.22	1.06	0.25	0.17	747.90	468.14	468.17	747.86	3.16
1	67	614	0.45	-7.94e-02	-6.51e-02	0.44	8.60e-02	832.22	379.98	380.10	832.10	7.34
1	67	615	1.12	0.45	1.10	0.46	-0.10	891.72	385.11	385.11	891.72	0.40
1	67	616	1.68	0.38	1.63	0.43	-0.24	931.54	385.64	385.64	931.54	1.11
1	67	617	2.38	0.29	2.33	0.34	-0.31	948.00	445.11	445.12	947.99	-1.14
1	67	618	1.16	3.90e-02	1.01	0.18	-0.37	930.12	492.64	492.87	929.88	-10.15
1	67	619	9.84e-02	-2.24	-2.17	1.98e-02	-0.42	864.47	540.06	540.85	863.68	-15.96
1	67	620	-1.75e-02	-3.86	-3.78	-9.54e-02	-0.54	743.72	649.27	657.89	735.10	-27.20
1	67	621	-0.12	-5.72	-5.67	-0.17	-0.55	807.53	529.34	801.97	534.90	-38.94
1	67	622	-0.11	-7.78	-7.77	-0.12	-0.29	976.75	249.16	973.63	252.29	-47.60
1	67	623	1.82	-8.09e-02	1.80	-6.58e-02	0.17	975.74	149.15	955.47	169.42	-127.84
1	67	624	2.55	-5.56e-02	2.52	-2.72e-02	0.27	888.68	282.23	865.98	304.93	-115.12
1	67	625	3.38	-3.90e-02	3.34	2.09e-03	0.37	764.56	453.51	724.01	494.06	-104.73
1	67	626	3.65	6.74e-02	3.59	0.13	0.46	715.00	522.87	594.01	643.87	-92.78
1	67	627	1.34	9.82e-02	1.09	0.35	0.50	773.52	431.79	446.14	759.17	-68.55
1	67	628	0.85	-0.41	-0.11	0.55	0.54	847.75	359.52	362.64	844.63	-38.92
1	67	629	1.20	0.15	0.78	0.57	0.51	904.85	365.05	365.61	904.30	-17.29
1	67	630	1.80	0.32	1.59	0.54	0.52	944.85	371.64	371.91	944.58	12.52
1	67	631	2.47	0.28	2.32	0.43	0.55	965.04	425.91	429.25	961.70	42.32
1	67	632	2.98	0.15	2.89	0.24	0.50	956.78	497.63	510.28	944.13	75.17
1	67	633	0.10	-2.25	-2.20	4.77e-02	0.36	908.72	482.50	514.95	876.27	113.04
1	67	634	-5.88e-02	-3.88	-3.88	-6.15e-02	0.10	847.15	522.84	626.82	743.17	151.36
1	67	635	-0.10	-5.88	-5.88	-0.10	-1.78e-02	863.82	439.93	766.68	537.07	178.16
1	67	636	-8.19e-02	-8.02	-8.02	-8.19e-02	-6.60e-04	985.98	194.65	929.90	250.73	203.06
1	67	637	2.00	4.97e-03	1.97	3.39e-02	0.24	920.15	54.52	818.58	156.09	-278.58
1	67	638	2.65	-5.08e-02	2.56	3.90e-02	0.48	842.16	180.60	732.12	290.65	-246.35
1	67	639	3.56	-6.96e-02	3.53	-3.46e-02	0.35	783.66	314.75	601.37	497.04	-228.58
1	67	640	3.75	0.17	3.75	0.18	0.15	784.48	371.47	491.88	664.07	-187.70
1	67	641	1.09	0.48	1.05	0.52	0.16	832.71	323.63	367.57	788.76	-142.96
1	67	642	1.31	0.64	1.14	0.81	0.29	891.47	318.46	331.51	878.42	-85.49



1	67	643	1.49	0.66	1.16	1.00	0.41	944.19	315.18	317.40	941.98	-37.26
1	67	644	1.82	0.64	1.41	1.05	0.56	985.73	324.62	325.06	985.28	17.10
1	67	645	2.56	0.70	2.20	1.06	0.74	1016.73	367.07	375.27	1008.53	72.55
1	67	646	3.16	0.63	2.89	0.90	0.79	1028.66	410.47	441.71	997.42	135.41
1	67	647	0.84	-2.26	-2.12	0.70	0.64	1007.96	347.99	425.34	930.62	212.28
1	67	648	0.66	-3.89	-3.86	0.63	0.41	975.59	325.65	517.15	784.09	296.30
1	67	649	0.59	-6.09	-6.07	0.56	0.44	956.78	231.74	637.24	551.28	359.96
1	67	650	0.23	-8.28	-8.24	0.19	0.55	997.90	25.39	778.54	244.76	406.47
1	67	651	1.75	-0.19	1.74	-0.18	-0.12	772.09	-132.12	529.25	110.72	-400.76
1	67	652	2.72	8.48e-02	2.45	0.36	0.80	742.51	-14.18	467.22	261.11	-364.04
1	67	653	3.90	0.21	3.90	0.22	0.13	784.96	94.46	372.01	507.40	-338.55
1	67	654	3.97	0.67	3.92	0.72	-0.38	848.18	176.28	318.80	705.67	-274.68
1	67	655	2.07	1.17	2.01	1.23	-0.22	903.85	205.59	266.05	843.39	-196.37
1	67	656	1.55	0.84	0.85	1.53	0.10	955.00	221.74	240.52	936.22	-115.82
1	67	657	1.89	0.97	1.12	1.73	0.34	1002.53	246.91	250.06	999.38	-48.66
1	67	658	2.14	0.67	0.96	1.84	0.59	1044.89	252.59	253.04	1044.45	18.77
1	67	659	2.63	0.73	1.39	1.97	0.90	1084.81	272.75	282.59	1074.97	88.85
1	67	660	3.00	0.77	1.84	1.93	1.11	1113.39	277.18	313.59	1076.99	170.63
1	67	661	2.13	-1.00	-0.60	1.72	1.05	1116.20	206.71	301.14	1021.77	277.42
1	67	662	1.70	-3.66	-3.58	1.62	0.65	1082.72	94.93	316.98	860.67	412.35
1	67	663	1.89	-6.35	-6.31	1.84	0.61	1011.66	-41.97	396.08	573.61	519.28
1	67	664	1.01	-8.78	-8.50	0.73	1.62	958.96	-247.49	490.69	220.78	587.93
1	67	665	-1.43	-6.26	-5.65	-2.04	1.61	375.52	-446.58	-22.74	-48.33	-410.85
1	67	666	5.95	-0.91	4.31	0.73	2.92	524.86	-282.31	48.57	193.98	-396.98
1	67	667	5.30	1.00	4.29	2.01	-1.82	779.77	-186.55	43.70	549.52	-411.68
1	67	668	2.62	0.21	0.63	2.21	-0.91	878.42	-75.70	35.05	767.67	-305.62
1	67	669	2.56	1.47	1.67	2.35	-0.43	967.16	66.75	116.66	917.25	-206.03
1	67	670	2.45	1.16	1.16	2.45	-4.03e-03	1022.54	134.46	150.94	1006.06	-119.86
1	67	671	2.63	0.40	0.44	2.59	0.28	1067.28	161.56	164.02	1064.82	-47.14
1	67	672	2.91	0.32	0.44	2.79	0.55	1111.21	177.72	178.06	1110.87	17.72
1	67	673	3.48	0.68	1.01	3.15	0.91	1157.06	184.79	192.62	1149.23	86.90
1	67	674	4.12	0.93	1.54	3.51	1.25	1196.97	160.46	188.68	1168.74	168.70
1	67	675	5.17	2.26	3.50	3.93	1.44	1223.77	118.03	196.17	1145.63	283.37
1	67	676	4.40	0.15	0.39	4.16	0.97	1194.41	-89.92	99.82	1004.67	455.72
1	67	677	4.54	-6.37	-6.14	4.32	1.55	1005.70	-369.42	16.00	620.28	617.61
1	67	678	-1.24	-5.61	-4.75	-2.11	1.74	739.15	-602.20	15.14	121.82	668.55
1	67	679	14.04	-14.22	12.91	-13.08	-5.56	-70.92	-630.86	-449.46	-252.31	-262.04
1	67	680	-3.12	-10.28	-10.27	-3.13	-0.21	290.17	-956.22	-616.15	-49.90	-555.16
1	67	681	2.34	-3.13	-3.13	2.33	-0.21	695.44	-651.05	-504.56	548.95	-419.27
1	67	682	3.92	-2.58	-2.54	3.88	-0.48	911.05	-315.25	-263.28	859.09	-247.03
1	67	683	3.48	-0.84	-0.84	3.48	-0.11	1018.57	-89.87	-67.00	995.70	-157.55
1	67	684	3.29	0.13	0.14	3.29	0.11	1079.37	39.35	47.12	1071.60	-89.54
1	67	685	3.35	7.55e-02	9.57e-02	3.33	0.26	1125.16	95.87	96.99	1124.03	-33.96
1	67	686	3.65	4.47e-02	9.54e-02	3.60	0.42	1169.99	118.79	118.94	1169.84	12.44
1	67	687	4.30	3.69e-03	0.10	4.20	0.65	1218.56	103.71	107.30	1214.97	63.12
1	67	688	5.32	1.89	2.14	5.07	0.88	1262.96	86.65	100.13	1249.48	125.21
1	67	689	6.57	3.29	3.56	6.30	0.90	1291.52	-9.43	25.36	1256.73	209.88
1	67	690	9.71	5.23	5.34	9.59	-0.71	1309.94	-202.05	-104.26	1212.15	371.88
1	67	691	9.82	-3.53	1.53	4.76	-6.48	996.71	-833.67	-535.56	698.60	675.86
1	67	692	13.91	-13.19	13.45	-12.73	-3.52	322.57	-1080.96	-707.72	-50.67	620.11
1	67	693	4.62	-4.95	-1.18	0.85	-4.67	727.59	-629.73	-547.27	645.14	324.21
1	67	694	14.80	-4.11	14.73	-4.05	-1.12	-58.02	-1770.36	-1769.53	-58.86	-37.78
1	67	695	11.80	8.65	8.85	11.60	-0.76	740.67	-704.56	-702.81	738.92	-50.28
1	67	696	5.06	-1.65	-1.63	5.04	0.37	922.73	-388.39	-387.37	921.71	-36.60
1	67	697	4.09	-2.01	-1.94	4.03	0.63	1047.67	-159.55	-159.09	1047.21	-23.46
1	67	698	3.74	-0.71	-0.64	3.67	0.56	1115.73	-9.51	-9.39	1115.61	-11.25
1	67	699	3.70	-6.80e-02	-2.27e-02	3.66	0.41	1165.13	65.41	65.42	1165.12	3.31
1	67	700	3.95	-4.58e-02	-2.79e-02	3.93	0.27	1211.33	89.50	89.69	1211.14	14.53
1	67	701	4.58	0.50	0.50	4.58	0.16	1259.77	81.65	82.51	1258.91	31.74
1	67	702	5.49	2.06	2.06	5.49	-6.24e-02	1301.60	46.59	48.33	1299.87	46.60
1	67	703	6.55	4.21	4.26	6.50	-0.31	1328.01	-59.85	-57.76	1325.92	53.79
1	67	704	9.77	4.17	9.68	4.26	0.70	1360.12	-324.42	-322.56	1358.26	56.01
1	67	705	30.69	-25.04	30.60	-24.96	2.18	1295.17	-922.82	-921.05	1293.40	62.67
1	67	706	12.84	-10.38	12.84	-10.38	-0.20	-78.14	-721.63	-659.04	-140.73	190.68
1	67	707	15.16	-8.13	14.84	-7.81	-2.70	142.07	-1489.00	-1475.61	128.68	147.18
1	67	708	8.85	8.06	8.66	8.26	-0.34	810.76	-535.22	-524.52	800.06	119.56
1	67	709	4.73	9.40e-02	0.13	4.70	-0.40	973.45	-246.78	-240.24	966.91	89.11
1	67	710	4.02	-0.68	-0.58	3.92	-0.69	1084.93	-59.95	-56.73	1081.71	60.61
1	67	711	3.74	-0.48	-0.32	3.58	-0.83	1144.83	50.62	51.44	1144.01	29.99
1	67	712	3.75	-6.67e-02	0.18	3.50	-0.95	1185.55	111.37	111.54	1185.39	13.45
1	67	713	3.96	2.00e-02	0.32	3.67	-1.04	1220.55	130.21	130.51	1220.25	-18.02
1	67	714	4.42	0.51	0.83	4.10	-1.08	1253.99	126.93	129.68	1251.24	-55.63
1	67	715	5.07	1.10	1.39	4.77	-1.04	1277.12	78.64	86.21	1269.55	-94.93
1	67	716	5.76	2.61	2.82	5.55	-0.79	1274.92	-22.14	-9.44	1262.22	-127.75
1	67	717	9.87	3.86	9.81	3.92	-0.60	1259.35	-218.27	-200.15	1241.22	-162.65
1	67	718	22.10	-18.43	21.89	-18.21	2.93	1117.39	-802.13	-783.19	1098.44	-189.78



1	67	719	7.61	-8.69	5.18	-6.26	5.80	-443.74	-662.94	-659.44	-447.24	-27.47
1	67	720	-0.91	-8.14	-7.21	-1.83	-2.41	99.40	-1026.91	-824.01	-103.50	432.84
1	67	721	1.26	-5.17	-3.57	-0.34	2.78	617.75	-690.50	-631.15	558.39	272.27
1	67	722	4.17	-2.84	-2.57	3.90	1.33	914.06	-328.73	-317.98	903.31	115.08
1	67	723	3.84	-2.09	-1.88	3.64	1.10	1042.38	-123.22	-119.34	1038.49	67.17
1	67	724	3.62	-0.71	-0.51	3.42	0.89	1117.76	12.17	13.80	1116.13	42.44
1	67	725	3.55	-4.65e-03	9.27e-02	3.46	0.58	1170.64	80.23	81.09	1169.78	30.60
1	67	726	3.71	0.19	0.21	3.69	0.24	1217.12	102.95	103.31	1216.76	20.01
1	67	727	4.20	1.15	1.16	4.20	-5.47e-02	1262.95	110.51	110.60	1262.86	10.30
1	67	728	4.93	2.07	2.16	4.84	-0.50	1297.91	75.24	75.31	1297.84	-9.58
1	67	729	5.90	3.15	3.56	5.49	-0.98	1303.67	-19.54	-17.09	1301.22	-56.86
1	67	730	6.26	4.23	4.33	6.16	-0.44	1274.11	-228.69	-202.35	1247.76	-197.22
1	67	731	15.80	-2.45	7.25	6.10	9.10	987.31	-776.61	-643.42	854.12	-466.04
1	67	732	7.39	-8.19	6.11	-6.91	4.28	-35.95	-1095.59	-940.61	-190.93	-374.43
1	67	733	-2.08	-9.27	-9.20	-2.15	0.70	139.25	-400.92	-177.12	-84.55	266.09
1	67	734	6.72	1.42	4.43	3.70	-2.63	355.54	-223.72	-55.64	187.46	262.89
1	67	735	3.54	0.74	1.50	2.77	1.25	701.22	-233.35	-122.72	590.59	301.91
1	67	736	2.68	-2.67	-2.34	2.35	1.30	873.81	-148.23	-107.54	833.12	199.84
1	67	737	2.98	-1.92	-1.56	2.62	1.28	1013.96	-22.43	-4.92	996.46	133.56
1	67	738	3.10	-1.21	-0.88	2.76	1.15	1099.21	62.26	69.03	1092.44	83.53
1	67	739	3.09	-7.83e-02	0.11	2.91	0.75	1157.11	121.82	124.14	1154.79	48.97
1	67	740	3.12	0.57	0.61	3.08	0.30	1204.09	146.49	146.87	1203.70	20.23
1	67	741	3.35	1.44	1.45	3.35	-8.09e-02	1242.35	165.63	165.76	1242.23	-11.72
1	67	742	3.74	2.24	2.41	3.57	-0.48	1264.60	156.64	159.93	1261.31	-60.28
1	67	743	4.25	2.83	3.35	3.73	-0.69	1251.77	112.64	130.39	1234.02	-141.07
1	67	744	4.72	0.14	0.18	4.68	0.42	1161.86	-61.28	11.22	1089.37	-288.82
1	67	745	7.89	-7.42	-7.09	7.55	-2.23	889.51	-299.45	-68.22	658.28	-470.59
1	67	746	1.93	-7.88	-4.51	-1.44	-4.66	513.71	-566.19	-176.32	123.83	-518.68
1	67	747	2.83	-0.33	2.51	3.45e-03	0.97	574.57	-39.67	426.85	108.05	262.52
1	67	748	2.24	1.16	2.24	1.16	-2.58e-02	561.20	73.13	363.19	271.14	239.65
1	67	749	3.15	0.87	3.14	0.87	9.21e-02	682.82	143.88	270.39	556.31	228.42
1	67	750	1.37	-0.84	-0.65	1.18	0.62	833.29	103.10	147.08	789.31	173.72
1	67	751	2.00	-1.58	-1.25	1.67	1.04	972.00	111.42	134.03	949.39	137.63
1	67	752	2.46	-0.99	-0.55	2.02	1.15	1066.29	149.62	158.64	1057.26	90.51
1	67	753	2.52	-0.13	0.15	2.24	0.81	1131.14	187.48	190.58	1128.04	54.00
1	67	754	2.48	0.78	0.90	2.37	0.43	1178.40	207.56	208.02	1177.94	21.01
1	67	755	2.47	1.68	1.69	2.45	0.12	1210.74	231.74	232.01	1210.46	-16.44
1	67	756	2.59	2.29	2.49	2.40	-0.14	1213.69	266.70	271.70	1208.69	-68.63
1	67	757	3.13	2.27	3.05	2.34	-0.24	1169.91	285.86	311.57	1144.20	-148.55
1	67	758	2.73	-3.80	-3.75	2.68	-0.57	1049.88	160.49	249.55	960.82	-266.97
1	67	759	3.39	-6.43	-6.09	3.06	-1.79	878.53	76.61	323.07	632.07	-369.99
1	67	760	2.31	-8.17	-7.16	1.31	-3.08	761.59	-100.67	421.33	239.59	-421.44
1	67	761	2.15	2.30e-02	2.14	3.46e-02	0.16	746.01	131.61	715.74	161.88	132.96
1	67	762	2.50	0.33	2.50	0.33	-5.39e-02	660.77	277.59	623.86	314.50	113.05
1	67	763	0.44	-0.24	-0.24	0.44	4.00e-03	626.18	353.32	419.56	559.94	116.99
1	67	764	0.77	-2.17	-2.11	0.71	0.42	789.24	255.12	276.08	768.28	103.71
1	67	765	1.41	-1.39	-1.10	1.12	0.85	933.51	230.37	241.28	922.60	86.89
1	67	766	1.91	-0.77	-0.35	1.49	0.97	1034.25	230.50	234.46	1030.30	56.24
1	67	767	2.09	-7.52e-03	0.35	1.73	0.79	1105.42	254.84	255.93	1104.33	30.47
1	67	768	2.13	0.78	1.07	1.84	0.56	1154.05	264.18	264.22	1154.01	6.34
1	67	769	2.21	1.43	1.80	1.85	0.39	1180.31	288.42	288.82	1179.91	-18.82
1	67	770	2.52	1.65	2.44	1.73	0.26	1169.38	358.83	361.79	1166.41	-48.95
1	67	771	2.75	1.59	2.73	1.60	0.14	1097.75	426.96	439.51	1085.21	-90.87
1	67	772	1.61	-3.76	-3.71	1.57	-0.49	951.61	378.92	425.23	905.30	-156.12
1	67	773	1.54	-5.81	-5.56	1.29	-1.31	790.22	372.93	540.02	623.13	-204.46
1	67	774	0.77	-7.59	-7.39	0.56	-1.30	784.65	166.64	678.91	272.39	-232.74
1	67	775	1.79	4.33e-02	1.79	4.35e-02	2.18e-02	789.17	169.53	786.63	172.07	39.57
1	67	776	2.46	0.15	2.46	0.15	1.07e-02	698.57	321.39	695.45	324.52	34.18
1	67	777	0.30	-3.57	-3.56	0.30	0.13	566.72	417.65	419.70	564.67	17.38
1	67	778	0.66	-2.14	-2.08	0.59	0.41	766.24	335.38	335.56	766.05	8.87
1	67	779	1.14	-1.25	-1.08	0.97	0.62	917.11	290.42	291.16	916.37	21.55
1	67	780	1.58	-0.58	-0.30	1.29	0.73	1021.99	288.07	288.47	1021.60	17.11
1	67	781	1.87	3.76e-02	0.40	1.51	0.73	1093.93	292.44	292.54	1093.83	8.72
1	67	782	2.07	0.63	1.09	1.61	0.67	1141.96	299.85	299.85	1141.96	0.81
1	67	783	2.34	1.04	1.75	1.63	0.65	1165.73	335.08	335.10	1165.71	-4.05
1	67	784	2.66	1.17	2.32	1.51	0.62	1150.09	402.47	402.50	1150.06	-5.01
1	67	785	2.83	1.12	2.62	1.33	0.56	1069.01	483.83	483.88	1068.96	-5.57
1	67	786	1.13	-0.58	-0.57	1.12	0.14	895.67	535.16	535.31	895.52	7.39
1	67	787	0.77	-5.41	-5.39	0.76	-0.28	645.26	571.32	593.10	623.49	33.70
1	67	788	0.25	-7.52	-7.51	0.25	-0.19	743.51	273.04	740.42	276.14	38.03
1	67	789	1.52	-0.22	1.50	-0.19	-0.20	682.52	114.09	656.27	140.34	-119.30
1	67	790	2.25	0.40	2.25	0.40	7.60e-02	625.03	262.00	585.15	301.87	-113.52
1	67	791	0.43	-3.32	-3.32	0.43	-1.13e-02	607.27	307.04	345.31	569.00	-100.12
1	67	792	0.81	-2.05	-2.05	0.81	1.93e-02	793.51	289.26	299.18	783.59	-70.00
1	67	793	1.21	-1.19	-1.15	1.18	0.27	934.25	280.58	282.44	932.39	-34.83
1	67	794	1.55	-0.54	-0.39	1.40	0.54	1032.15	281.09	281.33	1031.91	-13.44



1	67	795	1.86	1.06e-02	0.31	1.57	0.68	1098.86	296.43	296.44	1098.85	-2.63
1	67	796	2.13	0.42	0.85	1.70	0.75	1144.62	307.71	307.75	1144.58	5.51
1	67	797	2.53	0.83	1.56	1.81	0.84	1170.14	347.95	348.29	1169.81	16.64
1	67	798	2.90	0.99	2.11	1.78	0.94	1163.65	391.53	393.14	1162.05	35.18
1	67	799	3.14	1.04	2.53	1.65	0.96	1102.97	442.71	449.53	1096.15	66.77
1	67	800	1.74	-0.79	-0.45	1.41	0.86	960.86	434.47	467.24	928.08	127.19
1	67	801	1.31	-5.32	-5.24	1.23	0.72	771.09	356.26	492.08	635.27	194.66
1	67	802	0.33	-7.30	-7.24	0.28	0.67	712.48	149.41	603.99	257.91	222.08
1	67	803	-0.89	-4.11	-4.04	-0.96	0.47	344.38	-65.30	257.30	21.78	-167.61
1	67	804	3.19	1.76	3.18	1.77	7.66e-02	474.63	72.19	298.95	247.88	-199.59
1	67	805	1.46	-3.71	-3.58	1.33	-0.80	667.34	74.53	141.83	600.04	-188.06
1	67	806	1.81	-2.25	-2.22	1.78	-0.35	842.67	176.40	197.23	821.83	-115.96
1	67	807	1.69	-1.39	-1.38	1.69	0.15	971.03	228.81	234.13	965.70	-62.62
1	67	808	1.82	-0.68	-0.57	1.71	0.50	1056.09	256.89	258.03	1054.95	-30.26
1	67	809	2.09	9.76e-02	0.37	1.82	0.69	1115.09	283.16	283.28	1114.98	-9.71
1	67	810	2.34	0.22	0.56	2.00	0.78	1158.42	294.85	294.92	1158.36	7.71
1	67	811	2.72	0.42	0.87	2.27	0.91	1187.02	319.37	320.26	1186.13	27.79
1	67	812	3.31	1.00	1.73	2.58	1.07	1192.59	350.01	353.57	1189.03	54.63
1	67	813	3.35	-0.43	0.11	2.81	1.33	1161.17	317.27	328.25	1150.19	95.65
1	67	814	3.21	0.68	1.04	2.85	0.88	1062.31	289.44	334.17	1017.58	180.47
1	67	815	4.06	-6.49	-5.79	3.36	2.64	834.46	67.18	236.06	665.57	317.90
1	67	816	0.28	-1.67	-1.24	-0.15	0.81	554.17	-129.23	229.64	195.31	341.27
1	67	817	11.36	-2.30	10.90	-1.84	-2.46	-217.46	-358.88	-228.36	-347.97	37.73
1	67	818	-4.86	-8.24	-8.20	-4.90	-0.37	294.64	-464.29	-277.99	108.34	-326.62
1	67	819	3.62	-3.30	-1.93	2.25	-2.76	654.12	-87.30	-39.86	606.68	-181.45
1	67	820	2.71	-2.82	-2.82	2.71	-2.06e-02	881.16	82.79	95.63	868.32	-100.43
1	67	821	2.20	-1.63	-1.60	2.17	0.32	1002.22	176.76	180.37	998.61	-54.46
1	67	822	2.24	-0.37	-0.18	2.04	0.69	1079.98	235.65	236.68	1078.95	-29.47
1	67	823	2.39	0.16	0.47	2.08	0.77	1134.73	264.13	264.24	1134.62	-10.07
1	67	824	2.59	0.15	0.43	2.30	0.78	1176.48	273.08	273.17	1176.40	8.59
1	67	825	2.97	1.86e-02	0.25	2.73	0.80	1206.62	282.72	283.64	1205.71	29.00
1	67	826	3.59	0.55	0.69	3.45	0.64	1217.02	293.79	296.84	1213.97	52.98
1	67	827	4.70	1.24	1.42	4.53	0.75	1191.88	292.07	298.03	1185.92	72.99
1	67	828	6.56	-0.81	-0.25	6.00	1.95	1139.38	167.32	186.04	1120.66	133.59
1	67	829	4.60	-0.79	2.40	1.41	-2.65	947.53	-141.58	-58.18	864.13	289.62
1	67	830	11.92	-5.98	9.29	-3.35	-6.34	-7.07	-626.90	-480.32	-153.65	263.38
1	67	831	11.83	9.39	11.83	9.39	-6.58e-02	129.24	-521.03	-515.51	123.72	-59.66
1	67	832	10.82	0.40	0.77	10.44	1.94	704.62	-23.59	-19.91	700.93	-51.68
1	67	833	2.50	-0.95	-0.93	2.49	0.20	879.83	95.72	98.56	876.99	-47.08
1	67	834	2.33	-0.68	-0.65	2.30	0.30	1012.78	176.52	178.93	1010.37	-44.79
1	67	835	2.35	0.14	0.36	2.13	0.67	1090.04	230.75	231.22	1089.57	-20.03
1	67	836	2.53	0.10	0.45	2.19	0.85	1145.55	249.00	249.10	1145.44	-9.59
1	67	837	2.62	0.20	0.41	2.41	0.68	1187.09	258.57	258.63	1187.02	7.85
1	67	838	2.88	0.21	0.24	2.85	0.29	1217.46	267.03	268.22	1216.27	33.61
1	67	839	3.53	-4.07e-02	-2.66e-02	3.51	-0.22	1225.07	263.35	264.98	1223.43	39.58
1	67	840	5.15	1.93	2.04	5.04	-0.59	1205.05	281.29	283.77	1202.58	47.75
1	67	841	9.62	-3.32	-2.90	9.20	-2.30	1163.61	114.63	116.93	1161.31	49.11
1	67	842	24.75	-2.93	24.74	-2.92	0.37	1126.59	158.66	161.20	1124.05	49.52
1	67	843	3.72	-6.51	-6.44	3.64	0.86	-84.60	-600.07	-228.21	-456.46	-231.09
1	67	844	-1.45	-5.20	-2.96	-3.69	-1.84	221.63	-400.41	-330.89	152.10	195.99
1	67	845	4.33	-4.21	-0.57	0.69	4.23	604.20	-63.38	-61.34	602.16	36.84
1	67	846	2.95	-2.59	-2.54	2.90	0.51	880.67	67.04	68.22	879.50	-30.87
1	67	847	2.30	-0.65	-0.65	2.30	-6.11e-03	1014.21	167.79	170.03	1011.96	-43.51
1	67	848	2.20	-0.11	-0.10	2.19	-7.17e-02	1095.92	210.56	210.89	1095.59	-17.01
1	67	849	2.25	0.46	0.46	2.25	-1.41e-02	1152.10	238.46	238.64	1151.92	-12.82
1	67	850	2.49	0.39	0.42	2.46	-0.24	1193.69	247.92	247.94	1193.67	4.10
1	67	851	3.08	0.44	0.63	2.88	-0.69	1222.58	263.69	264.00	1222.27	17.19
1	67	852	3.94	0.23	0.61	3.55	-1.13	1229.69	264.76	265.68	1228.77	29.75
1	67	853	5.34	0.70	1.46	4.57	-1.72	1197.08	261.21	263.10	1195.20	41.97
1	67	854	5.30	-2.56	-0.48	3.23	-3.46	1115.27	156.73	156.78	1115.22	-6.90
1	67	855	11.44	0.96	9.56	2.84	4.02	986.49	-93.43	-78.79	971.85	-124.88
1	67	856	5.53	-12.21	-6.72	3.45e-02	8.20	-140.32	-456.65	-385.68	-211.29	-131.95
1	67	857	0.37	-5.91	-5.60	6.48e-02	1.36	187.50	15.39	185.29	17.61	-19.38
1	67	858	4.32	3.56	3.87	4.00	-0.37	266.99	188.06	217.85	237.20	38.26
1	67	859	1.66	-0.60	-0.44	1.49	0.59	616.91	70.65	75.00	612.56	48.56
1	67	860	2.17	-1.74	-1.66	2.09	0.57	849.86	95.33	95.33	849.86	1.61
1	67	861	2.15	-1.02	-1.00	2.13	-0.25	1007.31	142.94	144.03	1006.22	-30.66
1	67	862	2.34	-0.54	-0.40	2.19	-0.64	1103.72	177.46	178.30	1102.88	-27.91
1	67	863	2.66	1.79e-02	0.37	2.31	-0.90	1165.62	207.71	207.94	1165.39	-14.96
1	67	864	2.99	0.10	0.60	2.49	-1.09	1208.58	221.75	221.75	1208.58	0.60
1	67	865	3.46	0.44	1.16	2.74	-1.29	1234.65	243.55	243.78	1234.42	15.09
1	67	866	4.04	0.57	1.60	3.01	-1.58	1232.46	254.69	255.29	1231.86	24.33
1	67	867	4.01	0.11	1.09	3.03	-1.69	1183.85	239.27	240.31	1182.81	31.36
1	67	868	3.30	0.17	0.27	3.20	-0.55	1043.25	202.27	202.56	1042.96	-15.58
1	67	869	5.96	-4.31	-4.02	5.67	-1.71	717.04	130.77	176.32	671.49	-156.94
1	67	870	3.33	-4.07	-2.21	1.47	-3.21	384.45	44.54	232.00	196.99	-169.05



1	67	871	0.91	-0.40	0.35	0.15	0.65	391.73	106.80	376.63	121.91	-63.84
1	67	872	2.07	0.70	1.50	1.27	0.67	366.26	257.02	336.32	286.96	-48.73
1	67	873	2.72	0.88	2.41	1.19	0.68	590.61	245.20	248.94	586.88	-35.71
1	67	874	1.44	-1.35	-1.33	1.42	0.23	837.11	121.54	123.78	834.87	-39.96
1	67	875	1.99	-0.74	-0.65	1.90	-0.48	1005.09	132.40	134.61	1002.88	-43.84
1	67	876	2.41	-0.40	-0.18	2.19	-0.76	1110.67	154.04	155.11	1109.59	-32.05
1	67	877	2.75	-7.31e-02	0.29	2.39	-0.95	1177.55	179.87	180.13	1177.29	-16.10
1	67	878	3.04	0.27	0.79	2.52	-1.09	1222.01	194.40	194.40	1222.01	-3.90e-03
1	67	879	3.35	0.57	1.32	2.60	-1.23	1246.61	214.81	215.05	1246.37	15.86
1	67	880	3.66	0.71	1.83	2.54	-1.43	1237.36	230.80	231.66	1236.50	29.30
1	67	881	3.70	0.94	2.17	2.46	-1.38	1162.28	255.92	257.02	1161.18	31.61
1	67	882	2.94	-2.81	-2.57	2.70	-1.15	968.38	222.17	222.34	968.21	11.24
1	67	883	3.02	-4.58	-4.38	2.82	-1.21	639.65	294.81	295.94	638.53	-19.64
1	67	884	1.68	-2.26	-1.85	1.27	-1.21	467.81	240.63	463.82	244.62	-29.85
1	67	885	0.41	-0.71	-0.44	0.14	-0.48	390.21	25.20	300.63	114.78	-157.08
1	67	886	1.78	0.36	0.97	1.16	0.70	447.19	108.74	268.46	287.48	-168.96
1	67	887	2.36	0.88	2.19	1.05	0.47	638.57	136.46	182.43	592.60	-144.80
1	67	888	1.54	-1.06	-0.99	1.47	-0.41	864.69	58.24	74.49	848.44	-113.33
1	67	889	2.30	-0.77	-0.50	2.03	-0.87	1025.29	83.78	91.07	1018.01	-82.49
1	67	890	2.73	-0.42	-9.85e-02	2.40	-0.96	1127.20	116.03	119.24	1123.99	-56.87
1	67	891	2.98	-6.37e-02	0.32	2.60	-1.01	1191.17	147.95	148.25	1190.87	-17.61
1	67	892	3.16	0.36	0.80	2.72	-1.02	1235.47	162.65	162.65	1235.47	-1.57
1	67	893	3.28	0.82	1.36	2.74	-1.02	1260.39	179.29	179.29	1260.39	-0.86
1	67	894	3.38	1.17	1.95	2.61	-1.06	1251.74	186.69	187.07	1251.36	20.16
1	67	895	3.53	1.12	2.27	2.38	-1.20	1173.67	195.75	198.81	1170.60	54.65
1	67	896	2.71	-2.78	-2.51	2.44	-1.19	973.32	140.57	152.60	961.29	99.35
1	67	897	2.56	-4.63	-4.60	2.52	-0.52	652.05	179.91	219.54	612.42	130.93
1	67	898	1.29	-2.39	-2.14	1.04	0.93	469.09	128.26	373.98	223.37	152.88
1	67	899	-1.44	-6.43	-6.38	-1.48	-0.46	104.70	-252.08	-124.25	-23.13	-171.08
1	67	900	4.35	-0.13	2.36	1.86	2.23	319.96	-113.87	-20.39	226.48	-178.37
1	67	901	3.31	1.05	2.07	2.29	-1.12	692.87	-106.36	-44.46	630.98	-213.63
1	67	902	2.72	-1.31	-1.01	2.42	-1.07	908.44	-75.03	-56.94	890.35	-132.13
1	67	903	3.03	-0.90	-0.53	2.67	-1.14	1057.20	10.64	16.45	1051.39	-77.74
1	67	904	3.20	-0.53	-0.17	2.84	-1.09	1147.30	72.70	75.33	1144.67	-53.09
1	67	905	3.32	-0.12	0.22	2.98	-1.03	1204.43	111.77	113.40	1202.80	-42.17
1	67	906	3.43	0.36	0.68	3.10	-0.94	1245.89	132.73	133.77	1244.85	-34.00
1	67	907	3.51	0.93	1.22	3.21	-0.82	1274.01	141.41	141.78	1273.63	-20.61
1	67	908	3.51	1.57	1.85	3.24	-0.67	1274.35	127.17	127.20	1274.32	5.32
1	67	909	9.68	-10.50	-9.07	8.25	5.19	1136.23	-1054.37	-714.65	796.52	792.95
1	67	910	5.14	-4.45	2.24	-1.55	4.40	635.48	-1471.72	-950.72	114.49	909.07
1	67	911	14.41	-29.96	-24.48	8.93	14.60	16.42	-527.05	-512.61	1.98	87.40
1	67	912	23.09	19.50	22.42	20.17	-1.40	134.39	-1979.37	-1978.99	134.02	28.26
1	67	913	20.48	-10.54	-10.34	20.28	-2.49	303.68	-2599.53	-2599.50	303.65	-9.08
1	67	914	21.23	-7.39	-5.24	19.08	-7.54	336.89	-2479.75	-2479.73	336.87	-7.67
1	67	915	9.74	-8.33	-4.06	5.47	-7.68	143.63	-939.38	-939.07	143.32	18.39
1	67	916	12.89	-9.13	-8.69	12.45	3.10	411.79	-1993.58	-1991.72	409.93	66.85
1	67	917	4.51	-8.39	0.79	-4.66	5.85	325.76	-310.01	81.97	-66.21	-309.13
1	67	918	4.93	-3.93	-1.38	2.38	-4.01	1047.81	-114.15	914.00	19.66	-370.91
1	67	919	-0.87	-6.89	-6.87	-0.88	-0.31	1310.52	-36.11	1266.47	7.94	-239.54
1	67	920	-0.36	-6.66	-6.66	-0.36	9.76e-02	1407.59	-0.82	1397.64	9.13	-117.97
1	67	921	-0.29	-6.17	-6.16	-0.30	0.10	1404.05	6.20	1403.76	6.48	-19.94
1	67	922	-0.25	-5.79	-5.79	-0.25	8.43e-02	1326.99	-10.58	1310.02	6.39	149.68
1	67	923	-0.24	-5.46	-5.46	-0.25	0.20	1157.64	-52.02	1097.24	8.38	263.48
1	67	924	-0.14	-5.15	-5.09	-0.20	0.57	879.69	-152.55	710.73	16.41	381.91
1	67	925	1.05	-2.42	-0.34	-1.02	1.70	529.33	-479.42	46.68	3.23	503.91
1	67	926	29.25	-39.49	11.71	-21.95	-29.96	-548.51	-3180.61	-3172.63	-556.49	-144.66
1	67	927	18.48	-8.39	13.00	-2.91	-10.82	-390.99	-905.02	-894.76	-401.25	-71.90
1	67	928	31.21	-52.22	16.33	-37.34	31.94	-734.26	-2846.63	-2834.08	-746.82	162.39
1	67	929	21.07	3.14	13.12	11.08	-8.91	490.32	-985.15	-659.13	164.31	-612.16
1	67	930	0.72	-2.88	-1.52	-0.64	-1.75	690.81	-312.11	356.73	21.98	-472.70
1	67	931	-0.23	-6.23	-6.21	-0.24	-0.32	912.70	-107.62	786.46	18.62	-335.96
1	67	932	-0.28	-6.44	-6.44	-0.28	-5.43e-02	1105.42	-32.07	1064.60	8.75	-211.57
1	67	933	-0.23	-6.51	-6.51	-0.23	-1.55e-02	1187.62	-2.32	1180.52	4.78	-91.63
1	67	934	-0.21	-6.71	-6.71	-0.21	-5.07e-03	1172.51	0.69	1170.11	3.09	52.99
1	67	935	-0.21	-6.84	-6.84	-0.21	0.10	1060.67	-18.23	1039.47	2.96	149.72
1	67	936	-0.20	-6.75	-6.73	-0.22	0.37	837.80	-75.41	755.73	6.66	261.16
1	67	937	-0.11	-2.51	-1.60	-1.02	1.16	523.00	-266.71	263.21	-6.92	371.03
1	67	938	9.78	-1.26	7.45	1.07	4.51	238.15	-887.28	-702.11	52.98	417.26
1	67	939	22.12	-25.53	8.43	-11.84	-21.56	-359.03	-2313.78	-2311.75	-361.06	-62.94
1	67	940	24.16	-33.75	13.52	-23.10	22.43	-523.79	-2000.75	-1992.26	-532.27	111.62
1	67	941	15.68	1.88	9.91	7.65	-6.81	393.19	-512.21	-222.17	103.15	-422.47
1	67	942	-4.96e-02	-3.55	-2.96	-0.64	-1.31	679.40	-125.27	546.06	8.07	-299.19
1	67	943	-0.25	-8.55	-8.54	-0.26	-0.27	858.87	-29.16	823.32	6.40	-174.10
1	67	944	-0.28	-9.03	-9.03	-0.28	-6.05e-02	952.23	-4.78	947.96	-0.51	-63.81
1	67	945	-0.13	-9.02	-9.01	-0.14	0.22	886.39	-19.64	869.32	-2.58	123.16
1	67	946	0.54	-3.21	-2.71	4.54e-02	1.27	746.66	-67.30	679.73	-0.37	223.61



1	67	947	14.50	3.67	9.68	8.50	5.38	429.53	-293.94	75.49	60.11	361.66
1	67	948	12.64	-46.82	4.28	-38.45	-20.67	-579.14	-1242.89	-1241.39	-580.65	-31.53
1	67	949	10.04	2.38	7.02	5.40	3.75	207.69	-197.20	-19.08	29.57	200.98
1	67	950	29.79	-29.79	22.29	-22.29	19.77	-469.79	-1717.34	-1717.34	-469.79	2.04
1	67	951	21.76	3.27	17.18	7.85	-7.98	475.20	-458.59	-59.89	76.50	-461.89
1	67	952	0.90	-2.41	-1.09	-0.43	-1.62	744.28	-145.33	598.98	-4.02e-02	-328.85
1	67	953	-0.23	-9.37	-9.36	-0.25	-0.37	871.51	-58.35	814.46	-1.30	-223.15
1	67	954	-0.23	-9.80	-9.80	-0.23	-0.10	1019.84	-19.13	1005.64	-4.94	-120.60
1	67	955	-0.19	-10.08	-10.08	-0.19	-6.25e-02	1070.70	-7.16	1069.88	-6.35	-29.63
1	67	956	-0.20	-10.30	-10.30	-0.20	-5.67e-02	1036.09	-18.29	1024.75	-6.96	108.74
1	67	957	-0.13	-10.39	-10.39	-0.13	0.17	903.55	-52.19	858.36	-7.00	202.85
1	67	958	0.35	-3.53	-3.14	-3.81e-02	1.16	784.02	-120.51	668.46	-4.95	301.95
1	67	959	14.91	3.48	10.19	8.20	5.63	491.79	-374.92	62.76	54.11	433.34
1	67	960	14.23	-44.89	6.25	-36.90	-20.21	-577.54	-1275.25	-1274.15	-578.64	27.63
1	67	961	11.28	-34.90	3.02	-26.65	-17.69	-435.37	-1133.49	-1099.10	-469.76	-151.08
1	67	962	28.32	-28.66	21.10	-21.44	18.95	-466.55	-1681.24	-1675.27	-472.52	84.94
1	67	963	21.03	3.76	17.15	7.64	-7.20	388.12	-338.72	-23.11	72.52	-360.26
1	67	964	0.96	-2.39	-1.16	-0.27	-1.62	683.74	-78.29	608.09	-2.64	-227.87
1	67	965	-0.24	-9.80	-9.79	-0.25	-0.32	775.30	-22.47	758.25	-5.41	-115.38
1	67	966	-0.35	-10.07	-10.07	-0.35	3.09e-02	830.86	-12.39	828.66	-10.19	43.00
1	67	967	-0.73	-5.02	-5.00	-0.75	0.29	787.94	-37.62	766.43	-16.11	131.50
1	67	968	2.24	-1.33	0.56	0.35	1.78	393.48	-122.87	282.30	-11.69	212.24
1	67	969	6.14	-20.53	-3.82	-10.57	-12.90	-207.79	-824.70	-824.38	-208.12	-14.09
1	67	970	15.19	2.46	14.28	3.37	3.29	-134.09	-849.17	-849.09	-134.17	7.82
1	67	971	11.11	0.31	9.47	1.95	-3.88	292.65	-33.22	245.53	13.90	-114.60
1	67	972	2.14	-0.68	1.94	-0.48	-0.73	619.08	-16.25	615.72	-12.89	-46.09
1	67	973	2.20	-0.27	1.98	-5.23e-02	0.70	516.38	-19.30	506.69	-9.62	71.37
1	67	974	13.56	-8.26e-02	10.09	3.39	5.94	315.44	-1382.78	-1181.83	114.49	548.52
1	67	975	-7.02	-26.01	-15.58	-17.45	-9.45	575.34	-352.86	-308.63	531.11	-197.72
1	67	976	6.15	-33.30	4.39	-31.55	8.13	800.31	-286.01	-285.98	800.28	-5.55
1	67	977	0.24	-22.24	-5.08	-16.93	9.55	1110.88	-1728.33	-1727.74	1110.29	40.89
1	67	978	14.13	-59.23	14.06	-59.17	-2.10	1533.30	-1127.66	-1127.33	1532.97	-29.79
1	67	979	25.60	-77.60	25.42	-77.42	-4.31	2036.96	-1480.25	-1480.10	2036.82	-22.80
1	67	980	-3.11	-21.32	-5.38	-19.05	6.02	1144.51	-1747.26	-1747.09	1144.35	22.14
1	67	981	-4.23	-10.63	-5.50	-9.36	-2.56	870.56	-1625.95	-1624.00	868.61	-69.72
1	67	982	17.26	9.71	9.89	17.09	1.13	251.20	-73.38	226.32	-48.51	86.34
1	67	983	-0.23	-4.31	-2.37	-2.18	2.04	792.99	-119.73	780.56	-107.30	105.80
1	67	984	-0.24	-2.62	-2.58	-0.27	-0.29	997.84	-76.62	995.33	-74.11	51.84
1	67	985	6.48e-02	-1.87	-1.87	6.45e-02	2.47e-02	1089.70	-65.49	1089.57	-65.37	11.97
1	67	986	0.20	-1.79	-1.78	0.19	0.13	1092.08	-65.12	1090.15	-63.19	-47.23
1	67	987	0.17	-1.89	-1.87	0.15	0.19	1009.20	-67.20	1008.30	-66.30	-31.23
1	67	988	0.10	-2.28	-2.24	6.77e-02	0.29	829.44	-79.18	824.69	-74.43	-65.51
1	67	989	-0.26	-2.49	-2.31	-0.44	0.61	528.28	-103.62	517.62	-92.96	-81.39
1	67	990	-0.89	-5.29	-4.83	-1.35	1.35	40.09	-130.72	14.56	-105.19	-60.90
1	67	991	-5.09	-7.91	-6.86	-6.15	-1.36	-230.46	-854.14	-846.40	-238.20	-69.06
1	67	992	33.93	13.39	16.01	31.31	6.86	222.13	-2206.02	-2188.12	204.23	207.74
1	67	993	34.15	8.65	20.36	22.44	-12.71	-243.78	-1963.48	-1919.82	-287.44	-270.51
1	67	994	3.54	-6.31	-2.60	-0.17	4.78	-86.60	-558.26	-526.05	-118.81	118.96
1	67	995	-0.31	-4.64	-4.52	-0.42	-0.68	109.61	-111.62	95.83	-97.84	53.46
1	67	996	-0.20	-1.78	-1.72	-0.25	-0.29	619.91	-92.41	615.54	-88.04	55.61
1	67	997	9.20e-02	-1.79	-1.79	8.80e-02	-8.67e-02	845.41	-76.15	844.15	-74.88	34.12
1	67	998	0.12	-1.78	-1.78	0.12	-9.05e-03	949.56	-68.27	949.56	-68.27	1.00
1	67	999	0.11	-1.61	-1.61	0.11	4.83e-02	954.73	-66.65	954.68	-66.60	-7.11
1	67	1000	5.13e-02	-1.49	-1.47	3.61e-02	0.15	862.76	-73.29	859.10	-69.62	-58.45
1	67	1001	-0.17	-1.24	-1.04	-0.36	0.41	655.99	-90.67	646.71	-81.38	-82.75
1	67	1002	-0.95	-4.52	-4.23	-1.24	0.98	244.68	-111.27	225.15	-91.75	-81.05
1	67	1003	-4.97	-7.71	-7.01	-5.68	-1.20	-175.94	-546.78	-522.31	-200.41	-92.05
1	67	1004	27.22	7.81	9.68	25.35	5.73	167.14	-1651.06	-1645.26	161.34	102.51
1	67	1005	26.64	8.10	15.93	18.81	-9.15	-192.38	-1411.39	-1383.60	-220.16	-181.92
1	67	1006	2.84	-5.48	-2.52	-0.12	3.99	-52.74	-245.28	-194.96	-103.06	84.60
1	67	1007	-0.32	-4.59	-4.55	-0.35	-0.39	338.55	-86.47	337.52	-85.44	20.89
1	67	1008	-0.12	-1.51	-1.48	-0.14	-0.18	731.56	-79.24	731.56	-79.24	-1.21
1	67	1009	3.61e-02	-1.64	-1.64	3.59e-02	-1.65e-02	845.60	-77.68	843.15	-75.23	-47.47
1	67	1010	-1.46e-02	-1.54	-1.52	-3.61e-02	0.18	791.23	-75.33	790.91	-75.01	-16.83
1	67	1011	9.39e-02	-5.54	-5.51	6.49e-02	0.40	455.46	-87.97	448.94	-81.45	-59.19
1	67	1012	3.08	-7.13	-6.06	2.01	-3.14	85.42	-169.97	-43.42	-41.13	-127.69
1	67	1013	12.90	-16.78	4.97	-8.86	13.13	-511.12	-945.74	-869.57	-587.29	165.24
1	67	1014	13.20	-17.02	6.04	-9.85	12.85	-392.51	-1051.49	-980.98	-463.02	203.70
1	67	1015	23.89	-0.35	16.47	7.07	-11.17	-299.18	-1275.79	-1250.58	-324.39	-154.87
1	67	1016	2.75	-5.97	-3.20	-1.78e-02	4.06	41.20	-334.95	-230.40	-63.35	168.51
1	67	1017	-0.60	-4.07	-3.97	-0.71	-0.59	358.57	-94.54	335.99	-71.96	98.59
1	67	1018	1.07	-0.30	1.02	-0.25	-0.26	824.56	-69.12	818.73	-63.29	71.94
1	67	1019	0.59	1.74e-02	0.58	2.51e-02	-6.59e-02	988.67	-57.80	987.88	-57.01	28.81
1	67	1020	0.48	6.46e-02	0.48	6.48e-02	-8.85e-03	1051.53	-55.32	1050.85	-54.64	-27.49
1	67	1021	0.33	4.54e-02	0.32	5.39e-02	4.86e-02	1016.47	-57.35	1015.26	-56.15	-35.94
1	67	1022	0.38	-0.11	0.27	-1.09e-02	0.20	880.59	-67.08	873.26	-59.76	-83.00



1	67	1023	4.63e-02	-5.26	-5.23	1.79e-02	0.39	471.42	-93.92	447.28	-69.78	-114.30
1	67	1024	3.31	-8.26	-7.09	2.14	-3.49	125.21	-243.54	-84.89	-33.45	-182.57
1	67	1025	12.71	-17.53	4.83	-9.66	13.27	-529.19	-917.20	-871.15	-575.24	125.49
1	67	1026	22.53	-2.61	15.26	4.66	-11.40	-305.73	-1292.82	-1249.92	-348.63	-201.26
1	67	1027	2.64	-5.51	-3.31	0.45	3.62	9.04	-293.83	-227.87	-56.92	125.01
1	67	1028	-0.55	-4.45	-4.40	-0.60	-0.45	337.17	-83.34	329.27	-75.43	57.10
1	67	1029	0.30	-0.32	0.26	-0.28	-0.15	776.05	-72.85	775.44	-72.25	22.63
1	67	1030	-9.39e-02	-0.32	-0.27	-0.14	9.33e-02	842.30	-72.45	841.31	-71.46	30.09
1	67	1031	-0.39	-4.97	-4.95	-0.41	0.32	604.15	-78.46	603.24	-77.56	-24.80
1	67	1032	-2.21	-8.71	-8.51	-2.41	-1.12	200.66	-133.39	185.75	-118.48	-68.97
1	67	1033	12.14	-4.81	-2.22	9.55	6.09	-81.19	-509.03	-505.86	-84.37	36.71
1	67	1034	21.20	11.08	12.22	20.06	3.21	96.32	-651.24	-650.85	95.93	-17.17
1	67	1035	-0.74	-3.99	-2.52	-2.21	1.62	108.94	-128.90	107.11	-127.07	-20.75
1	67	1036	-0.91	-3.57	-3.55	-0.93	-0.24	370.19	-83.22	363.29	-76.32	-55.47
1	67	1037	-0.30	-3.65	-3.65	-0.30	-7.13e-02	299.68	-89.32	288.09	-77.74	-66.12
1	67	1038	3.07	-3.53	-2.26	1.80	-2.60	22.76	-202.78	-132.57	-47.45	-104.43
1	67	1039	13.07	-3.59	2.34	7.15	-7.98	316.85	-513.02	153.63	-349.81	329.86
1	67	1040	4.46	-1.02	4.24	-0.80	1.08	113.76	-209.02	64.44	-159.70	-116.13
1	67	1041	6.25	-1.91	-0.58	4.92	3.02	161.56	-241.18	149.89	-229.52	67.54
1	67	1042	-1.40	-6.96	-5.81	-2.55	-2.25	421.60	-141.10	-101.51	382.02	143.89
1	67	1043	1.87	-0.78	-0.69	1.77	-0.49	858.56	-63.39	-34.25	829.42	161.30
1	67	1044	2.14	-9.51e-02	-8.60e-02	2.13	-0.14	1051.05	-33.78	-20.19	1037.45	120.68
1	67	1045	2.17	-8.93e-02	-7.71e-02	2.15	-0.17	1167.78	-19.55	-13.15	1161.37	86.98
1	67	1046	2.32	-9.31e-02	-8.46e-02	2.32	-0.14	1247.10	-9.32	-7.76	1245.54	44.26
1	67	1047	2.63	-9.97e-02	-9.48e-02	2.62	-0.12	1313.38	-4.07	-3.99	1313.30	-9.84
1	67	1048	2.99	-0.13	-0.13	2.99	-7.24e-02	1373.34	-3.57	-0.73	1370.49	-62.50
1	67	1049	3.28	-0.23	-0.23	3.28	5.96e-02	1419.95	-7.85	3.66	1408.44	-127.68
1	67	1050	3.54	-0.78	-0.78	3.54	5.54e-02	1420.93	-25.32	2.80	1392.81	-199.68
1	67	1051	10.19	-1.44	-0.78	9.54	-2.68	1319.92	-68.35	-14.49	1266.06	-268.07
1	67	1052	30.82	11.20	19.14	22.88	-9.63	850.72	85.41	247.41	688.73	-312.62
1	67	1053	-4.68	-28.12	-20.97	-11.83	-10.79	49.90	-287.91	-203.04	-34.96	-146.52
1	67	1054	15.55	-4.96	-4.89	15.48	1.19	-174.59	-314.02	-304.39	-184.22	-35.36
1	67	1055	8.37	-7.54	8.00	-7.18	2.39	8.37	-517.67	-290.57	-218.72	260.55
1	67	1056	5.10	-6.28	3.37	-4.56	4.08	365.59	-755.37	-342.67	-47.10	-540.64
1	67	1057	2.59	-4.88	-3.89	1.59	-2.54	415.93	-812.79	-448.70	51.84	561.07
1	67	1058	2.87	-1.46	-1.00	2.41	1.33	789.98	-470.75	-311.01	630.23	419.38
1	67	1059	4.07	-0.48	-0.41	4.01	0.55	968.97	-161.00	-104.09	912.07	247.11
1	67	1060	3.59	-0.47	-0.47	3.58	-0.18	1056.29	5.86	27.81	1034.34	150.24
1	67	1061	3.40	-0.24	-0.15	3.31	-0.56	1108.49	103.32	110.61	1101.21	85.25
1	67	1062	3.50	8.31e-02	0.33	3.26	-0.88	1144.61	158.89	159.81	1143.69	30.19
1	67	1063	3.82	7.12e-02	0.48	3.41	-1.17	1177.54	176.26	176.78	1177.02	-22.89
1	67	1064	4.40	0.30	0.89	3.81	-1.44	1210.75	172.62	178.73	1204.64	-79.40
1	67	1065	5.18	0.63	1.37	4.44	-1.67	1236.32	131.59	150.98	1216.92	-145.10
1	67	1066	6.14	1.41	2.18	5.36	-1.75	1241.00	37.46	82.65	1195.80	-228.80
1	67	1067	7.13	2.54	2.88	6.79	-1.21	1225.23	-161.94	-49.65	1112.94	-378.37
1	67	1068	12.58	-2.13	4.72	5.73	7.34	990.01	-626.02	-330.25	694.23	-624.90
1	67	1069	19.19	-23.94	13.68	-18.43	14.40	-414.71	-1029.66	-1025.74	-418.63	-48.91
1	67	1070	35.92	35.08	35.21	35.78	-0.31	43.06	-2762.63	-2762.57	42.99	13.07
1	67	1079	5.46	-3.18	0.14	2.14	4.20	283.07	-159.04	149.93	-25.90	202.82
1	67	1080	-1.34	-7.39	-7.37	-1.36	-0.38	456.80	-388.98	73.10	-5.28	421.07
1	67	1081	-0.20	-5.74	-4.67	-1.26	-2.18	758.45	-463.01	168.10	127.35	-610.39
1	67	1082	4.95	0.82	3.57	2.19	-1.95	628.84	-180.80	191.91	256.12	403.55
1	67	1083	4.40	1.16	2.51	3.05	1.60	842.70	-82.84	147.74	612.13	400.30
1	67	1084	2.85	-0.39	-0.15	2.61	0.85	922.17	34.56	133.11	823.61	278.86
1	67	1085	2.64	6.82e-02	7.30e-02	2.63	0.11	1003.10	134.97	177.86	960.21	188.13
1	67	1086	2.70	0.14	0.20	2.63	-0.41	1051.60	194.85	208.33	1038.12	106.61
1	67	1087	2.97	0.21	0.51	2.68	-0.86	1087.66	229.60	231.39	1085.87	39.17
1	67	1088	3.41	0.19	0.80	2.79	-1.27	1119.82	245.71	246.40	1119.13	-24.50
1	67	1089	3.97	0.17	1.14	3.01	-1.65	1150.45	246.69	256.24	1140.90	-92.41
1	67	1090	4.59	0.25	1.56	3.27	-1.99	1173.47	225.27	257.43	1141.31	-171.64
1	67	1091	5.13	0.55	2.14	3.54	-2.18	1180.57	167.59	248.28	1099.88	-274.28
1	67	1092	4.63	0.66	1.15	4.13	-1.31	1148.22	13.13	199.42	961.94	-420.41
1	67	1093	6.16	-3.89	-3.50	5.76	-1.95	997.06	-197.75	193.06	606.24	-560.54
1	67	1094	13.27	0.46	7.20	6.53	-6.40	531.66	-251.61	230.61	49.44	-381.02
1	67	1095	-0.15	-3.90	-3.89	-0.16	-0.16	624.54	-79.37	604.73	-59.56	116.43
1	67	1096	0.50	-0.66	-0.18	2.13e-02	0.57	821.84	-79.79	605.48	136.56	385.05
1	67	1097	1.38	-4.46	-3.78	0.69	-1.88	1010.20	-121.24	670.21	218.75	-518.73
1	67	1098	0.91	0.32	0.36	0.87	-0.16	789.27	57.00	543.30	302.98	345.85
1	67	1099	1.86	0.73	1.84	0.75	0.14	826.07	190.01	456.42	559.66	313.81
1	67	1100	1.56	0.94	1.30	1.20	0.31	874.89	261.97	378.19	758.67	240.27
1	67	1101	1.59	0.46	0.47	1.59	-2.39e-02	936.16	283.75	330.55	889.36	168.36
1	67	1102	1.99	0.48	0.65	1.83	-0.47	987.21	301.99	316.55	972.64	98.83
1	67	1103	2.47	0.37	0.87	1.97	-0.90	1027.21	313.39	315.30	1025.30	36.87
1	67	1104	2.94	0.21	1.12	2.03	-1.28	1059.39	323.11	323.84	1058.67	-23.11
1	67	1105	3.39	8.86e-02	1.42	2.06	-1.62	1085.02	332.56	342.74	1074.84	-86.94
1	67	1106	3.70	-6.97e-03	1.72	1.97	-1.85	1098.60	337.08	372.59	1063.09	-160.57



1	67	1107	3.75	9.89e-02	2.06	1.78	-1.82	1095.35	322.34	418.28	999.40	-254.88
1	67	1108	2.47	-1.40	-0.68	1.76	-1.50	1057.58	228.59	445.40	840.78	-364.31
1	67	1109	2.27	-3.11	-2.71	1.86	-1.43	1008.21	96.19	541.43	562.98	-455.88
1	67	1110	-3.05e-02	-3.65	-3.32	-0.35	-1.03	850.24	-85.42	776.46	-11.64	-252.17
1	67	1111	-7.48e-02	-2.67	-2.66	-7.96e-02	-0.11	904.95	-60.44	900.65	-56.15	64.26
1	67	1112	2.65e-02	-0.83	-0.82	2.55e-02	2.86e-02	923.71	99.17	848.50	174.38	237.40
1	67	1113	0.29	-4.23	-4.06	0.12	-0.86	1076.75	100.44	935.54	241.64	-343.39
1	67	1114	0.25	-2.57e-02	1.12e-02	0.22	-9.46e-02	850.50	243.68	769.58	324.60	206.29
1	67	1115	1.26	0.26	1.25	0.27	-0.10	794.63	401.41	652.98	543.06	188.77
1	67	1116	0.65	0.22	0.30	0.57	-0.17	798.34	437.88	520.70	715.52	151.64
1	67	1117	1.21	0.44	0.77	0.88	-0.38	867.40	421.77	452.15	837.02	112.30
1	67	1118	1.79	0.39	0.99	1.19	-0.69	928.89	399.51	408.09	920.32	66.83
1	67	1119	2.26	0.27	1.16	1.38	-0.99	976.38	387.11	388.12	975.37	24.45
1	67	1120	2.62	0.14	1.36	1.41	-1.24	1009.49	389.80	390.34	1008.94	-18.39
1	67	1121	2.87	8.66e-03	1.57	1.31	-1.43	1027.80	409.26	416.14	1020.92	-64.87
1	67	1122	2.97	-9.10e-02	1.77	1.12	-1.50	1027.02	440.45	466.05	1001.43	-119.82
1	67	1123	2.71	-0.22	1.67	0.83	-1.41	1002.97	470.61	544.91	928.67	-184.49
1	67	1124	1.35	-1.38	-0.65	0.63	-1.21	962.96	442.73	625.92	779.77	-248.48
1	67	1125	0.85	-2.67	-2.28	0.46	-1.10	977.14	336.14	766.56	546.72	-301.06
1	67	1126	-0.25	-6.78	-6.78	-0.26	-0.21	1054.81	-37.36	1030.31	-12.86	-161.73
1	67	1127	6.11e-02	-2.86	-2.86	6.11e-02	-2.30e-03	1014.71	-56.12	1014.69	-56.10	-5.27
1	67	1128	-5.04e-02	-1.31	-1.31	-5.18e-02	4.27e-02	961.57	179.03	957.11	183.50	58.94
1	67	1129	-0.11	-4.47	-4.44	-0.15	-0.39	1075.69	228.72	1055.87	248.54	-128.04
1	67	1130	-5.73e-03	-0.42	-0.42	-7.51e-03	2.72e-02	881.96	320.53	872.92	329.57	70.68
1	67	1131	0.78	8.40e-02	0.78	8.83e-02	-5.42e-02	759.05	519.52	745.81	532.75	54.73
1	67	1132	0.39	0.33	0.37	0.34	2.33e-02	719.48	581.10	608.75	691.83	55.34
1	67	1133	0.99	0.61	0.91	0.69	0.15	818.34	513.29	522.18	809.45	51.30
1	67	1134	1.18	0.91	1.13	0.96	0.11	893.78	459.99	462.18	891.58	30.78
1	67	1135	1.29	1.09	1.28	1.10	4.62e-02	946.72	432.43	432.72	946.44	12.11
1	67	1136	1.43	1.10	1.43	1.10	-1.66e-02	980.22	430.79	430.86	980.15	-6.11
1	67	1137	1.60	0.92	1.60	0.92	-7.14e-02	991.23	457.78	458.86	990.15	-23.93
1	67	1138	1.72	0.61	1.71	0.62	-0.12	971.14	514.20	518.09	967.25	-42.00
1	67	1139	1.57	0.18	1.48	0.27	-0.34	910.45	593.99	610.18	894.27	-69.72
1	67	1140	0.57	-0.51	6.18e-02	-2.14e-03	-0.54	844.07	637.84	726.86	755.06	-102.15
1	67	1141	-1.17e-02	-2.30	-2.16	-0.14	-0.53	907.33	506.11	872.02	541.42	-113.67
1	67	1142	-0.26	-7.33	-7.32	-0.26	-8.66e-02	1160.31	-20.81	1154.19	-14.69	-84.77
1	67	1143	2.76e-03	-2.98	-2.98	1.34e-03	6.51e-02	1015.39	-60.97	1014.81	-60.39	24.83
1	67	1144	-6.47e-02	-1.49	-1.47	-8.15e-02	0.15	959.47	177.33	959.08	177.71	-17.33
1	67	1145	-0.17	-4.50	-4.49	-0.18	-0.18	1076.19	226.14	1051.94	250.39	141.51
1	67	1146	3.56e-02	-0.58	-0.53	-1.41e-02	0.17	877.66	321.29	877.34	321.60	-13.20
1	67	1147	0.32	2.91e-02	0.29	6.16e-02	9.20e-02	747.35	521.92	744.48	524.79	-25.28
1	67	1148	0.78	0.12	0.52	0.37	0.32	694.18	610.10	620.40	683.88	-27.57
1	67	1149	1.51	0.16	0.95	0.73	0.67	803.85	530.93	532.06	802.72	-17.55
1	67	1150	1.94	0.15	1.10	0.99	0.89	886.48	470.08	470.42	886.14	-11.84
1	67	1151	2.26	0.11	1.21	1.16	1.08	942.53	439.17	439.21	942.49	-4.58
1	67	1152	2.45	3.38e-02	1.33	1.15	1.21	976.76	436.60	436.66	976.70	5.59
1	67	1153	2.54	-6.78e-02	1.47	1.01	1.29	989.60	462.63	463.27	988.96	18.37
1	67	1154	2.47	-0.21	1.55	0.71	1.27	972.44	516.97	520.01	969.40	37.11
1	67	1155	1.92	-0.20	1.38	0.33	0.92	910.94	597.69	608.18	900.45	56.34
1	67	1156	0.91	-0.16	0.76	-1.05e-02	0.37	837.50	659.80	734.29	763.01	87.68
1	67	1157	-0.21	-1.90	-1.90	-0.21	7.31e-04	911.17	506.08	869.91	547.34	122.52
1	67	1158	-0.26	-7.70	-7.70	-0.26	-7.69e-02	1154.82	-22.77	1147.62	-15.56	91.83
1	67	1159	-0.14	-3.44	-3.43	-0.16	0.24	896.01	-70.74	895.62	-70.35	-19.47
1	67	1160	-0.18	-1.36	-1.34	-0.20	0.18	893.03	112.59	852.63	152.99	-172.91
1	67	1161	2.92e-02	-4.47	-4.47	2.87e-02	4.48e-02	1050.79	105.50	911.16	245.14	335.41
1	67	1162	0.13	-0.58	-0.55	0.10	0.14	826.29	250.15	778.58	297.86	-158.77
1	67	1163	0.33	0.11	0.23	0.21	-0.11	755.09	414.67	653.94	515.81	-155.57
1	67	1164	0.70	0.62	0.65	0.67	-4.03e-02	770.61	476.62	556.32	690.91	-130.69
1	67	1165	1.24	0.63	0.83	1.04	0.28	844.43	456.04	481.96	818.51	-96.93
1	67	1166	1.76	0.44	0.90	1.29	0.63	912.72	424.06	431.48	905.31	-59.74
1	67	1167	2.20	0.25	0.98	1.47	0.94	963.55	404.59	405.76	962.38	-25.61
1	67	1168	2.56	9.34e-02	1.07	1.58	1.21	999.25	404.72	404.85	999.12	8.74
1	67	1169	2.87	-8.91e-02	1.18	1.59	1.46	1020.14	424.53	428.38	1016.29	47.73
1	67	1170	3.04	-0.29	1.31	1.43	1.67	1021.75	458.43	475.03	1005.15	95.27
1	67	1171	2.87	-0.40	1.38	1.08	1.63	998.12	491.52	544.37	945.26	154.86
1	67	1172	1.90	-0.38	0.88	0.65	1.13	962.60	482.91	639.86	805.65	225.07
1	67	1173	0.55	-1.46	-1.39	0.47	0.38	973.47	354.28	759.84	567.92	294.35
1	67	1174	-0.72	-7.95	-7.95	-0.72	8.88e-02	1031.25	-50.43	1000.37	-19.55	180.13
1	67	1175	-1.59	-4.61	-4.08	-2.11	-1.15	614.64	-119.39	608.68	-113.43	-65.88
1	67	1176	0.81	-3.36	-2.76	0.21	1.46	689.05	-28.38	586.51	74.16	-251.11
1	67	1177	1.43	-3.32	-3.31	1.43	-0.19	937.24	-95.68	617.01	224.54	477.72
1	67	1178	2.00	0.53	1.96	0.57	0.22	725.81	101.15	579.85	247.12	-264.34
1	67	1179	1.90	-0.51	0.16	1.22	-1.09	770.92	218.91	472.89	516.95	-275.12
1	67	1180	1.72	0.26	0.45	1.53	-0.49	834.80	304.11	420.96	717.96	-219.90
1	67	1181	1.66	0.53	0.53	1.66	1.70e-02	905.76	333.06	380.23	858.60	-157.43
1	67	1182	1.93	0.45	0.58	1.80	0.42	961.80	335.08	350.45	946.44	-96.92



1	67	1183	2.34	0.31	0.66	1.99	0.76	1005.42	333.39	335.44	1003.37	-37.04
1	67	1184	2.79	0.14	0.70	2.23	1.08	1042.27	336.50	336.69	1042.07	11.73
1	67	1185	3.31	-4.45e-02	0.78	2.49	1.44	1071.56	348.25	355.32	1064.48	71.20
1	67	1186	3.84	-0.25	0.90	2.68	1.84	1090.35	361.28	388.60	1063.03	138.45
1	67	1187	4.24	-0.23	1.29	2.72	2.11	1092.13	360.81	433.11	1019.84	218.28
1	67	1188	3.68	0.37	1.54	2.51	1.58	1064.09	305.58	481.38	888.29	320.06
1	67	1189	3.09	-2.47	-1.65	2.27	1.97	1011.03	116.13	520.67	606.50	445.39
1	67	1190	0.54	-7.14	-6.87	0.27	1.42	689.69	-128.48	591.89	-30.69	265.42
1	67	1191	8.86	3.70	3.89	8.68	0.97	69.74	-88.47	66.97	-85.70	-20.77
1	67	1192	5.43	-3.30	5.27	-3.14	1.17	334.00	-185.05	235.44	-86.50	-203.57
1	67	1193	7.69	-10.33	1.49	-4.12	-8.56	592.96	-410.71	135.39	46.86	499.87
1	67	1194	-2.03	-7.26	-7.18	-2.11	-0.64	490.95	-314.90	106.68	69.36	-402.49
1	67	1195	2.61	-1.10	-2.86e-02	1.54	-1.68	742.22	-28.14	211.56	502.53	-356.65
1	67	1196	2.52	7.75e-02	0.17	2.43	-0.45	879.04	131.31	242.54	767.81	-266.08
1	67	1197	2.28	0.21	0.21	2.28	-2.10e-02	965.78	193.76	245.72	913.81	-193.44
1	67	1198	2.34	0.23	0.27	2.30	0.27	1020.10	219.02	238.09	1001.02	-122.14
1	67	1199	2.65	0.21	0.33	2.53	0.54	1061.16	230.65	233.57	1058.24	-49.11
1	67	1200	3.13	9.37e-02	0.33	2.89	0.81	1099.15	235.67	235.87	1098.96	13.07
1	67	1201	3.78	-2.79e-02	0.33	3.42	1.11	1135.04	239.88	248.24	1126.68	86.12
1	67	1202	4.67	-0.14	0.37	4.15	1.49	1164.12	237.01	267.36	1133.77	164.98
1	67	1203	5.71	2.49e-02	0.88	4.86	2.03	1174.19	213.33	287.68	1099.83	256.74
1	67	1204	7.54	2.52	3.35	6.72	1.86	1178.10	151.94	305.20	1024.84	365.76
1	67	1205	7.15	-1.37	2.05	3.73	-4.18	1014.96	-138.86	204.18	671.91	527.38
1	67	1206	-1.38	-16.74	-7.67	-10.46	-7.55	66.15	-286.50	-104.22	-116.13	176.22
1	67	1207	-2.32	-23.72	-12.51	-13.53	10.69	472.18	-381.05	-360.42	451.55	131.06
1	67	1208	4.05	-1.83	1.47	0.75	-2.92	-586.42	-1217.29	-896.10	-907.61	-315.38
1	67	1209	1.71	-2.59	1.26	-2.14	-1.32	-342.84	-1170.01	-926.52	-586.33	376.99
1	67	1210	6.09	2.71	6.00	2.80	0.55	86.43	-508.52	-404.10	-17.98	-226.31
1	67	1211	6.95	3.12	3.14	6.94	0.25	679.04	-130.96	4.83	543.24	-302.57
1	67	1212	3.11	8.03e-03	8.16e-03	3.11	2.00e-02	913.99	-34.26	71.04	808.69	-297.92
1	67	1213	2.56	-1.58e-02	-1.44e-02	2.55	5.97e-02	1024.77	38.44	92.75	970.47	-224.97
1	67	1214	2.67	5.75e-02	6.76e-02	2.66	0.16	1084.04	76.11	97.68	1062.47	-145.86
1	67	1215	2.95	6.52e-02	9.42e-02	2.92	0.29	1124.81	95.14	98.72	1121.23	-60.61
1	67	1216	3.40	3.35e-02	8.91e-02	3.34	0.43	1164.95	100.70	100.92	1164.73	15.49
1	67	1217	4.04	-1.67e-02	5.83e-02	3.96	0.55	1206.74	96.77	106.15	1197.36	101.59
1	67	1218	4.97	-5.94e-02	1.56e-02	4.90	0.61	1244.39	80.08	113.07	1211.40	193.19
1	67	1219	6.56	0.21	0.33	6.44	0.87	1265.52	44.68	118.12	1192.07	290.29
1	67	1220	6.29	3.12	4.39	5.02	1.55	1206.57	-16.05	107.08	1083.44	367.94
1	67	1221	15.86	-9.16	15.67	-8.96	-2.20	1053.24	-124.34	10.63	918.28	375.12
1	67	1222	13.44	-27.59	-20.44	6.29	-15.56	63.14	-541.46	-539.90	61.59	-30.64
1	67	1223	15.75	1.63	1.64	15.74	0.41	-149.20	-357.14	-332.34	-174.00	67.40
1	67	1224	8.90	-7.43	-6.20	7.67	4.31	414.18	-326.16	320.53	-232.51	-246.09
1	67	1225	3.98	-6.24	-6.20	3.94	0.67	268.73	-87.07	260.16	-78.50	54.57
1	67	1226	14.33	1.99	7.56	8.75	-6.14	199.64	-78.00	198.05	-76.41	-20.95
1	67	1227	-1.54	-7.27	-6.20	-2.61	2.24	459.45	-139.01	-133.18	453.61	-58.80
1	67	1228	2.31	-0.70	-0.52	2.14	0.70	830.09	-57.18	-48.89	821.80	-85.38
1	67	1229	2.73	-3.46e-02	-1.64e-02	2.71	0.22	996.89	-40.42	-35.22	991.69	-73.24
1	67	1230	2.86	2.57e-02	4.50e-02	2.84	0.23	1092.70	-28.29	-25.85	1090.27	-52.17
1	67	1231	3.10	2.50e-02	4.19e-02	3.09	0.23	1151.95	-21.88	-21.35	1151.42	-25.00
1	67	1232	3.56	3.03e-02	4.35e-02	3.54	0.21	1197.14	-19.19	-19.18	1197.12	-4.34
1	67	1233	4.15	2.66e-02	3.43e-02	4.14	0.18	1233.43	-19.73	-19.25	1232.96	24.37
1	67	1234	4.70	-8.27e-02	-8.25e-02	4.70	3.06e-02	1253.90	-23.12	-20.68	1251.46	55.76
1	67	1235	5.02	-0.52	-0.51	5.02	-0.19	1233.95	-34.57	-27.81	1227.19	92.38
1	67	1236	8.75	-2.85	-2.59	8.48	1.74	1141.62	-81.01	-67.63	1128.23	127.23
1	67	1237	37.40	13.78	25.62	25.55	11.81	751.89	172.84	244.16	680.58	190.29
1	67	1238	0.81	-12.26	-8.69	-2.76	5.83	-57.54	-280.59	-263.20	-74.93	59.80
1	70	1	2.54	-3.08	2.16	-2.71	-1.41	-489.80	-1452.21	-1046.68	-895.33	475.22
1	70	3	1.47	-1.59	1.37	-1.49	0.54	-465.54	-1428.14	-1037.01	-856.67	-472.78
1	70	9	-0.29	-9.60	-2.33	-7.56	-3.85	-977.25	-1762.30	-1754.58	-984.97	-77.46
1	70	11	6.81	-8.82	-2.94	0.94	-7.57	-1737.96	-3751.14	-3745.11	-1743.98	109.95
1	70	12	7.53	-8.56	5.94	-6.97	-4.79	-1920.07	-3544.34	-3544.32	-1920.09	-5.82
1	70	13	9.67	-6.69	8.40	-5.42	4.37	-1809.72	-3499.27	-3483.27	-1825.72	-163.65
1	70	15	9.65	-6.88	8.53	-5.75	4.16	-1851.05	-3503.75	-3503.59	-1851.21	16.09
1	70	17	2.89	-4.11	-1.67	0.45	3.34	-924.14	-1743.09	-1730.18	-937.04	101.99
1	70	21	0.36	-17.41	-3.29	-13.76	7.18	-1814.60	-3793.28	-3780.49	-1827.39	-158.53
1	70	22	4.80e-02	-20.43	-3.66	-16.73	7.89	-2375.65	-5062.51	-5057.90	-2380.26	-111.18
1	70	23	7.39	-8.74	5.60	-6.96	-5.06	-1873.14	-3542.62	-3522.65	-1893.11	181.51
1	70	24	3.90	1.13	1.31	3.72	0.67	1320.40	35.96	43.84	1312.52	100.28
1	70	25	4.61	-5.51	4.60	-5.51	0.25	-1708.12	-3090.84	-3066.67	-1732.29	181.20
1	70	27	7.33	-5.08	7.33	-5.08	-0.22	-1646.03	-3048.74	-3025.50	-1669.27	-179.05
1	70	29	8.32	-8.36	3.95	-3.99	-7.33	756.39	-317.98	402.93	35.48	504.79
1	70	30	8.11	-3.36	-1.97	6.72	-3.75	1047.29	-329.04	306.84	411.41	686.18
1	70	31	14.58	-11.55	13.99	-10.97	-3.87	693.05	-533.80	-327.12	486.36	459.19
1	70	32	6.69	1.49	2.51	5.68	2.06	1247.13	22.09	378.81	890.41	556.55
1	70	33	8.12	5.28	6.31	7.09	1.36	1221.90	-141.60	97.33	982.97	518.36
1	70	34	5.77	0.25	0.87	5.15	1.74	1297.19	197.79	379.30	1115.68	408.17



1	70	35	6.50	0.26	0.35	6.40	0.76	1377.34	-19.42	142.76	1215.16	447.46
1	70	36	4.80	-7.25e-03	0.28	4.51	1.14	1318.88	275.14	361.67	1232.35	287.79
1	70	37	5.21	-7.59e-02	-4.07e-02	5.17	0.43	1420.83	68.15	152.09	1336.89	326.34
1	70	38	4.11	0.12	0.23	4.00	0.67	1317.16	309.01	340.82	1285.35	176.24
1	70	39	4.55	-2.51e-02	-6.12e-03	4.54	0.29	1419.57	116.82	148.98	1387.41	202.14
1	70	40	3.76	0.23	0.25	3.74	0.28	1310.00	321.77	326.88	1304.89	70.88
1	70	41	4.24	1.94e-02	2.44e-02	4.23	0.14	1409.29	139.60	144.84	1404.05	81.43
1	70	42	3.72	0.25	0.25	3.72	-9.16e-02	1308.20	323.88	324.90	1307.18	-31.67
1	70	43	4.18	2.43e-02	2.44e-02	4.18	-1.87e-02	1406.94	143.23	144.32	1405.85	-37.12
1	70	44	3.99	0.17	0.23	3.93	-0.48	1313.62	317.12	335.88	1294.86	-135.44
1	70	45	4.38	-1.25e-02	-6.26e-03	4.37	-0.17	1415.32	128.80	148.26	1395.86	-157.02
1	70	46	4.62	6.64e-02	0.28	4.41	-0.96	1319.09	295.29	357.17	1257.21	-243.98
1	70	47	4.91	-6.53e-02	-4.82e-02	4.90	-0.29	1423.64	92.24	154.46	1361.43	-281.00
1	70	48	5.63	0.29	0.86	5.06	-1.65	1309.80	242.63	382.13	1170.29	-359.74
1	70	49	6.09	0.20	0.26	6.03	-0.58	1405.00	24.90	157.27	1272.63	-406.40
1	70	50	7.13	1.23	2.67	5.69	-2.54	1280.08	119.61	398.25	1001.44	-495.69
1	70	51	7.99	4.74	5.53	7.20	-1.39	1315.30	-63.31	151.55	1100.43	-500.05
1	70	52	6.15	-3.47	0.74	1.93	4.77	1113.72	-204.07	314.15	595.51	-643.70
1	70	53	13.84	-4.45	12.74	-3.35	4.35	963.45	-307.02	-56.58	713.00	-505.43
1	70	54	7.38	-8.39	-1.76	0.76	7.78	737.15	-336.45	369.81	30.90	-509.35
1	70	55	1.39	-5.16	-5.03	1.25	-0.93	1113.79	-114.22	810.47	189.10	529.61
1	70	56	1.73	1.03	1.47	1.28	0.34	1173.44	85.65	794.72	464.37	518.20
1	70	57	4.64	-1.26e-03	1.46	3.18	2.16	1203.58	285.67	676.39	812.87	453.85
1	70	58	4.35	-3.33e-02	1.15	3.17	1.94	1213.43	406.06	599.06	1020.43	344.35
1	70	59	3.78	0.13	0.81	3.11	1.42	1222.27	450.76	535.82	1137.22	241.63
1	70	60	3.28	0.40	0.69	3.00	0.86	1224.05	459.99	489.37	1194.67	146.91
1	70	61	2.97	0.61	0.66	2.92	0.34	1222.40	458.36	462.94	1217.82	59.00
1	70	62	2.94	0.65	0.66	2.93	-0.15	1221.70	457.99	458.86	1220.83	-25.74
1	70	63	3.20	0.51	0.69	3.02	-0.67	1222.86	460.84	477.58	1206.12	-111.68
1	70	64	3.68	0.29	0.82	3.15	-1.24	1222.76	459.13	517.39	1164.49	-202.73
1	70	65	4.23	0.19	1.22	3.19	-1.77	1216.95	433.14	574.29	1075.81	-301.18
1	70	66	3.97	0.60	1.64	2.94	-1.55	1205.49	343.57	641.16	907.90	-409.80
1	70	67	4.73	0.18	1.01	3.90	-1.76	1195.59	167.91	746.12	617.38	-509.79
1	70	68	1.54	-3.55	-3.44	1.42	0.76	1123.69	-104.91	820.10	198.68	-529.93
1	70	69	-8.79e-02	-2.89	-2.89	-9.13e-02	-9.70e-02	1298.82	99.22	1152.73	245.30	392.30
1	70	70	0.49	-1.12	-1.12	0.48	0.11	1217.97	298.08	1047.30	468.74	357.58
1	70	71	1.69	-0.23	0.89	0.57	0.95	1138.43	501.61	891.00	749.04	310.39
1	70	72	2.64	-0.11	1.29	1.25	1.37	1110.40	596.52	762.24	944.68	240.20
1	70	73	2.66	0.25	1.23	1.69	1.18	1122.50	600.84	662.70	1060.63	168.66
1	70	74	2.39	0.68	1.16	1.91	0.77	1140.96	574.18	593.24	1121.90	102.18
1	70	75	2.10	1.03	1.13	2.00	0.31	1151.30	552.20	555.02	1148.48	41.01
1	70	76	2.06	1.10	1.13	2.03	-0.17	1152.71	548.32	548.83	1152.20	-17.53
1	70	77	2.33	0.82	1.17	1.99	-0.64	1145.56	564.30	574.72	1135.14	-77.12
1	70	78	2.65	0.45	1.26	1.83	-1.06	1129.48	591.87	631.91	1089.44	-141.15
1	70	79	2.72	0.14	1.39	1.47	-1.28	1111.59	605.25	718.99	997.84	-211.32
1	70	80	2.17	-1.34e-02	1.14	1.02	-1.09	1120.06	551.08	835.85	835.29	-284.49
1	70	81	0.89	-0.42	-0.26	0.72	-0.43	1179.42	384.74	981.17	582.99	-343.86
1	70	82	9.53e-02	-2.73	-2.73	9.29e-02	8.35e-02	1297.96	98.04	1150.88	245.12	-393.52
1	70	83	-0.17	-3.21	-3.19	-0.19	-0.24	1332.75	229.72	1303.12	259.34	178.31
1	70	84	-0.21	-1.66	-1.65	-0.22	-7.34e-02	1217.93	429.84	1183.53	464.24	161.01
1	70	85	0.47	-0.36	0.22	-0.10	0.38	1063.01	660.69	1005.85	717.85	140.46
1	70	86	1.53	-0.12	1.12	0.29	0.71	986.37	763.75	851.67	898.46	108.82
1	70	87	1.88	0.28	1.43	0.74	0.72	1031.38	711.53	730.33	1012.57	75.24
1	70	88	1.84	0.73	1.50	1.07	0.51	1081.17	641.20	645.79	1076.57	44.73
1	70	89	1.62	1.14	1.51	1.25	0.20	1106.48	598.87	599.49	1105.85	17.79
1	70	90	1.58	1.22	1.52	1.29	-0.14	1110.20	591.72	591.82	1110.10	-7.37
1	70	91	1.83	0.87	1.52	1.18	-0.45	1093.38	620.40	622.76	1091.02	-33.34
1	70	92	1.95	0.46	1.50	0.92	-0.69	1052.75	681.21	692.03	1041.93	-62.47
1	70	93	1.75	9.10e-02	1.31	0.53	-0.73	995.49	752.38	798.75	949.12	-95.52
1	70	94	0.96	-0.17	0.66	0.13	-0.50	1016.15	719.97	940.42	795.70	-129.21
1	70	95	-0.12	-0.79	-0.79	-0.12	-6.65e-02	1151.51	527.60	1110.01	569.10	-155.46
1	70	96	-0.14	-3.16	-3.13	-0.16	0.27	1331.66	226.69	1301.72	256.63	-179.41
1	70	97	-0.18	-3.28	-3.27	-0.19	-0.17	1332.59	259.58	1330.43	261.73	-48.02
1	70	98	-0.31	-1.93	-1.91	-0.32	-0.13	1209.89	459.79	1207.50	462.18	-42.32
1	70	99	-0.11	-0.31	-0.12	-0.30	4.97e-02	1028.45	702.34	1023.76	707.03	-38.85
1	70	100	1.01	-9.32e-02	0.96	-4.80e-02	0.22	909.07	835.48	861.61	882.93	-35.22
1	70	101	1.54	0.26	1.49	0.31	0.26	1001.20	729.44	732.58	998.06	-29.05
1	70	102	1.72	0.61	1.69	0.64	0.19	1065.85	641.76	642.68	1064.92	-19.78
1	70	103	1.75	0.84	1.74	0.84	5.75e-02	1096.45	593.50	593.63	1096.31	-8.37
1	70	104	1.75	0.87	1.75	0.88	-8.70e-02	1100.93	585.41	585.44	1100.90	3.88
1	70	105	1.76	0.71	1.71	0.76	-0.22	1080.76	617.52	618.05	1080.22	15.73
1	70	106	1.65	0.42	1.57	0.49	-0.29	1030.12	689.64	691.61	1028.15	25.82
1	70	107	1.25	9.18e-02	1.19	0.15	-0.26	941.02	797.39	805.38	933.03	32.93
1	70	108	0.37	-0.16	0.35	-0.14	-8.91e-02	962.90	774.35	955.34	781.91	37.01
1	70	109	-0.26	-1.13	-1.11	-0.28	0.13	1134.79	561.11	1131.96	563.93	40.16
1	70	110	-0.17	-3.23	-3.21	-0.19	0.23	1331.50	256.72	1329.43	258.80	47.18



1	70	111	-0.15	-3.18	-3.18	-0.15	-0.11	1321.27	189.17	1249.63	260.81	-275.63
1	70	112	-0.22	-1.94	-1.92	-0.24	-0.17	1209.50	381.42	1128.33	462.59	-246.23
1	70	113	-3.82e-05	-0.40	-0.21	-0.20	-0.20	1079.25	581.62	947.72	713.15	-219.44
1	70	114	0.94	-2.05e-02	0.91	1.78e-02	-0.19	1032.50	654.74	789.99	897.24	-181.10
1	70	115	1.52	0.32	1.49	0.35	-0.17	1064.40	621.41	666.79	1019.02	-134.33
1	70	116	1.74	0.65	1.72	0.67	-0.14	1103.22	569.14	582.81	1089.55	-84.35
1	70	117	1.80	0.87	1.79	0.88	-9.08e-02	1124.38	535.70	537.72	1122.36	-34.41
1	70	118	1.79	0.91	1.79	0.91	-2.99e-02	1127.50	529.80	530.18	1127.12	15.00
1	70	119	1.74	0.78	1.74	0.78	3.03e-02	1113.07	552.37	559.93	1105.51	64.67
1	70	120	1.57	0.51	1.56	0.51	8.61e-02	1079.78	598.97	628.14	1050.61	114.78
1	70	121	1.13	0.18	1.11	0.21	0.15	1037.93	647.84	735.95	949.82	163.12
1	70	122	0.36	-0.18	0.22	-4.39e-02	0.23	1045.70	626.10	881.02	790.78	204.89
1	70	123	-9.39e-02	-1.26	-1.19	-0.17	0.29	1149.91	469.90	1054.12	565.68	236.56
1	70	124	-0.13	-3.10	-3.09	-0.14	0.21	1320.10	186.34	1248.88	257.56	275.09
1	70	125	-3.02e-02	-2.93	-2.91	-4.48e-02	-0.21	1286.95	14.75	1047.17	254.54	-497.56
1	70	126	8.60e-02	-1.79	-1.73	2.23e-02	-0.34	1202.28	194.25	934.11	462.42	-445.43
1	70	127	0.56	-0.48	-0.10	0.19	-0.50	1146.69	357.01	768.54	735.17	-394.49
1	70	128	1.36	4.88e-02	0.96	0.45	-0.60	1140.80	433.05	631.45	942.40	-317.89
1	70	129	1.84	0.45	1.47	0.81	-0.61	1159.41	449.00	532.37	1076.03	-228.64
1	70	130	1.93	0.86	1.62	1.16	-0.48	1177.07	441.74	469.43	1149.39	-139.96
1	70	131	1.78	1.23	1.64	1.38	-0.24	1185.97	432.84	437.08	1181.73	-56.36
1	70	132	1.64	1.40	1.63	1.41	3.66e-02	1187.08	430.88	431.65	1186.30	24.22
1	70	133	1.78	1.10	1.61	1.26	0.29	1180.84	437.05	452.57	1165.33	106.29
1	70	134	1.77	0.69	1.49	0.97	0.47	1165.68	446.21	502.50	1109.39	193.22
1	70	135	1.45	0.27	1.07	0.65	0.55	1144.47	442.89	586.79	1000.57	283.28
1	70	136	0.87	-0.28	0.21	0.39	0.57	1136.23	395.46	709.55	822.14	366.08
1	70	137	0.38	-1.30	-1.09	0.17	0.55	1171.56	265.95	865.67	571.85	428.31
1	70	138	2.63e-02	-2.82	-2.77	-1.78e-02	0.35	1285.77	11.62	1046.70	250.69	497.45
1	70	139	0.42	-2.60	-2.42	0.24	-0.72	1189.93	-279.40	679.73	230.80	-699.54
1	70	140	1.01	-1.73	-1.50	0.78	-0.75	1154.56	-112.06	589.21	453.29	-629.65
1	70	141	1.50	-0.44	9.47e-02	0.97	-0.87	1192.44	46.17	463.09	775.52	-551.44
1	70	142	2.31	0.10	1.13	1.28	-1.10	1235.44	166.18	378.34	1023.29	-426.43
1	70	143	2.72	0.44	1.40	1.76	-1.13	1261.03	241.29	334.26	1168.07	-293.52
1	70	144	2.67	0.82	1.35	2.14	-0.84	1270.04	281.94	313.68	1238.30	-174.22
1	70	145	2.46	1.15	1.28	2.34	-0.38	1270.91	299.94	304.89	1265.96	-69.14
1	70	146	2.36	1.25	1.26	2.35	0.11	1270.56	302.40	303.29	1269.67	29.33
1	70	147	2.48	1.03	1.32	2.19	0.58	1270.26	290.41	308.22	1252.44	130.91
1	70	148	2.55	0.67	1.35	1.87	0.90	1264.85	259.10	322.58	1201.36	244.57
1	70	149	2.30	0.29	1.11	1.48	0.99	1245.39	198.45	355.50	1088.34	373.84
1	70	150	1.79	-0.33	0.25	1.22	0.94	1206.73	97.43	423.59	880.57	505.40
1	70	151	1.38	-1.45	-1.01	0.95	1.02	1162.27	-49.08	535.70	577.49	605.32
1	70	152	0.59	-2.51	-2.23	0.31	0.89	1189.45	-282.47	679.74	227.24	700.32
1	70	153	2.03	-3.50	-2.09	0.62	-2.41	947.15	-739.46	59.67	148.01	-842.15
1	70	154	3.42	-1.94	-1.70	3.18	-1.11	1024.67	-573.06	29.48	422.14	-774.37
1	70	155	2.81	-0.17	0.41	2.24	-1.18	1208.95	-360.76	-1.18	849.37	-659.65
1	70	156	3.95	0.15	1.44	2.67	-1.80	1318.36	-134.24	35.66	1148.47	-466.82
1	70	157	4.27	0.22	1.16	3.33	-1.71	1358.81	23.44	95.24	1287.02	-301.20
1	70	158	4.00	0.44	0.85	3.59	-1.13	1366.12	115.99	140.28	1341.83	-172.57
1	70	159	3.72	0.64	0.71	3.64	-0.47	1363.00	160.56	164.36	1359.20	-67.48
1	70	160	3.64	0.69	0.70	3.63	0.19	1361.89	167.38	168.05	1361.22	28.16
1	70	161	3.78	0.58	0.81	3.55	0.83	1364.90	137.96	151.45	1351.41	127.94
1	70	162	3.98	0.39	1.06	3.31	1.40	1363.64	64.86	113.29	1315.21	246.07
1	70	163	3.71	0.30	1.28	2.74	1.54	1338.75	-67.75	55.69	1215.30	397.98
1	70	164	3.22	-0.28	0.30	2.63	1.30	1257.81	-270.35	5.28	982.18	587.57
1	70	165	3.34	-1.95	-1.39	2.78	1.63	1092.82	-501.73	10.52	580.56	744.59
1	70	166	2.05	-2.81	-1.53	0.76	2.14	953.23	-737.92	61.77	153.54	844.33
1	70	167	-0.48	-10.97	-8.94	-2.51	-4.14	291.52	-1477.33	-1057.18	-128.64	-752.77
1	70	168	8.77	0.93	0.98	8.73	-0.57	727.67	-1165.15	-751.56	314.07	-782.18
1	70	169	4.99	0.38	0.66	4.70	-1.11	1233.89	-847.61	-646.45	1032.73	-615.02
1	70	170	7.32	-0.17	1.33	5.82	-3.00	1388.56	-407.67	-327.74	1308.64	-370.37
1	70	171	6.37	-0.20	0.47	5.70	-1.99	1438.30	-159.89	-127.35	1405.76	-225.71
1	70	172	5.53	-8.61e-02	0.15	5.30	-1.12	1446.00	-21.26	-10.36	1435.11	-125.95
1	70	173	5.05	2.05e-02	5.71e-02	5.02	-0.43	1441.18	45.11	46.82	1439.48	-48.77
1	70	174	4.97	4.93e-02	5.70e-02	4.96	0.20	1439.68	55.63	55.92	1439.39	19.96
1	70	175	5.27	-8.17e-03	0.14	5.13	0.86	1444.18	12.77	18.71	1438.24	92.04
1	70	176	5.92	-9.86e-02	0.40	5.42	1.66	1444.49	-94.57	-73.17	1423.09	180.20
1	70	177	6.64	-5.83e-02	1.13	5.45	2.56	1417.38	-296.94	-241.60	1362.03	303.02
1	70	178	3.97	0.82	0.93	3.86	0.58	1304.06	-669.12	-532.61	1167.54	500.73
1	70	179	5.62	0.65	0.70	5.58	0.46	1191.22	-311.49	-294.82	1174.55	157.38
1	70	180	20.65	-4.08	18.50	-1.94	6.95	-1281.49	-2560.95	-2545.05	-1297.39	-141.74
1	70	181	12.03	-11.56	6.70	-6.22	9.87	761.01	-2194.56	-1953.06	519.52	-809.59
1	70	182	15.09	-6.40	1.66	7.03	-10.40	1249.80	-1120.24	-1070.75	1200.30	-338.90
1	70	183	10.71	-1.72	-1.03	10.02	-2.85	1422.93	-547.71	-538.45	1413.66	-134.80
1	70	184	8.08	-0.70	-0.53	7.91	-1.21	1479.67	-250.67	-247.23	1476.23	-77.10
1	70	185	6.60	-0.49	-0.44	6.55	-0.55	1488.57	-90.17	-89.02	1487.41	-42.62
1	70	186	5.92	-0.41	-0.40	5.92	-0.19	1483.55	-14.07	-13.89	1483.37	-16.54



1	70	187	5.83	-0.39	-0.39	5.83	9.18e-02	1481.90	-1.75	-1.72	1481.87	6.63
1	70	188	6.30	-0.45	-0.42	6.28	0.43	1486.55	-49.99	-49.37	1485.93	30.82
1	70	189	7.51	-0.62	-0.50	7.39	1.00	1486.35	-171.64	-169.43	1484.14	60.54
1	70	190	9.79	-1.46	-0.92	9.26	2.39	1454.54	-404.21	-398.08	1448.41	106.52
1	70	191	13.69	-5.17	0.73	7.79	8.74	1341.68	-841.96	-808.99	1308.71	266.26
1	70	192	12.39	-7.92	11.91	-7.44	-3.07	1084.43	-1665.50	-1560.03	978.96	528.13
1	70	193	17.48	-7.42	9.75	0.31	-11.52	-1100.89	-2643.66	-2607.50	-1137.04	233.39
1	70	194	71.22	-17.93	71.21	-17.92	0.86	915.14	-1888.47	-1884.40	911.07	106.75
1	70	195	29.38	0.44	0.69	29.13	-2.70	1458.07	-1011.38	-1011.14	1457.83	-24.44
1	70	196	11.13	1.27	1.27	11.13	-0.14	1428.84	-513.70	-513.70	1428.84	-3.05
1	70	197	8.04	-0.39	-0.39	8.03	-0.16	1481.51	-248.50	-248.48	1481.49	-5.54
1	70	198	6.68	-0.53	-0.53	6.67	-0.12	1491.93	-93.06	-93.05	1491.92	-4.33
1	70	199	6.02	-0.47	-0.47	6.02	-5.11e-02	1487.38	-17.83	-17.83	1487.38	-1.93
1	70	200	5.93	-0.46	-0.46	5.93	1.83e-02	1485.76	-5.54	-5.54	1485.76	0.71
1	70	201	6.39	-0.50	-0.50	6.39	8.96e-02	1490.06	-52.97	-52.97	1490.05	3.17
1	70	202	7.53	-0.40	-0.40	7.52	0.15	1488.77	-170.20	-170.19	1488.75	4.69
1	70	203	10.15	0.88	0.89	10.15	0.24	1461.00	-377.70	-377.69	1460.99	3.76
1	70	204	24.68	0.76	1.08	24.37	2.74	1499.29	-775.11	-774.87	1499.04	23.65
1	70	205	53.03	7.49	53.00	7.53	1.25	1172.60	-1082.82	-1082.06	1171.84	-41.35
1	70	206	7.09	-9.93	-3.74	0.90	-8.19	-2263.07	-5016.08	-5014.88	-2264.28	57.47
1	70	207	26.30	-11.13	26.24	-11.07	1.54	-888.60	-1972.34	-1935.52	-925.42	196.34
1	70	208	10.98	-7.11	4.96	-1.09	-8.53	672.08	-1974.80	-1685.18	382.46	826.27
1	70	209	15.37	-4.14	1.57	9.66	8.87	1258.57	-1042.57	-974.93	1190.93	388.70
1	70	210	10.95	-1.37	-0.99	10.57	2.13	1418.82	-515.90	-501.19	1404.12	168.02
1	70	211	8.19	-0.68	-0.57	8.09	0.95	1476.19	-236.88	-231.55	1470.86	95.46
1	70	212	6.67	-0.51	-0.48	6.64	0.44	1486.17	-83.32	-81.64	1484.49	51.36
1	70	213	5.98	-0.43	-0.43	5.97	0.15	1481.85	-10.03	-9.77	1481.59	19.49
1	70	214	5.89	-0.42	-0.42	5.89	-8.53e-02	1480.30	1.91	1.96	1480.26	-7.93
1	70	215	6.38	-0.47	-0.46	6.36	-0.36	1484.44	-44.42	-43.52	1483.54	-37.08
1	70	216	7.63	-0.62	-0.54	7.55	-0.81	1483.26	-160.65	-157.25	1479.86	-74.66
1	70	217	10.06	-1.19	-0.87	9.73	-1.89	1450.96	-379.13	-369.38	1441.20	-133.26
1	70	218	14.94	-4.15	0.48	10.30	-8.18	1348.05	-782.89	-737.58	1302.74	-307.40
1	70	219	12.65	-5.40	11.37	-4.11	4.64	1043.70	-1549.85	-1392.90	886.75	-618.39
1	70	220	17.34	-4.15	16.78	-3.60	3.40	-711.16	-2041.02	-1986.11	-766.07	-264.58
1	70	221	-3.86	-10.53	-10.28	-4.11	1.27	367.96	-1315.80	-865.37	-82.47	745.34
1	70	222	5.49	2.53	2.82	5.20	-0.87	774.01	-971.08	-579.94	382.87	727.72
1	70	223	7.09	0.28	1.85	5.52	2.87	1238.88	-710.92	-499.27	1027.23	606.53
1	70	224	7.88	-0.29	1.32	6.28	3.25	1376.77	-338.59	-254.02	1292.19	371.38
1	70	225	6.60	-0.26	0.39	5.95	2.01	1428.51	-124.11	-90.06	1394.46	227.42
1	70	226	5.65	-0.13	8.60e-02	5.44	1.10	1439.48	-2.62	8.58	1428.28	126.58
1	70	227	5.15	-2.81e-02	4.03e-03	5.11	0.41	1436.86	55.76	57.49	1435.13	48.86
1	70	228	5.07	-7.58e-03	8.94e-04	5.06	-0.21	1435.71	65.09	65.38	1435.42	-19.97
1	70	229	5.41	-7.38e-02	6.64e-02	5.27	-0.87	1438.64	27.57	33.64	1432.57	-92.34
1	70	230	6.16	-0.18	0.31	5.67	-1.70	1435.97	-66.41	-44.19	1413.74	-181.38
1	70	231	7.16	-0.20	1.06	5.91	-2.77	1406.16	-242.56	-184.31	1347.91	-304.36
1	70	232	5.32	0.82	1.62	4.52	-1.72	1304.06	-565.78	-420.24	1158.52	-500.95
1	70	233	9.67	-1.85	-0.65	8.47	-3.52	994.23	-919.44	-562.32	637.11	-745.57
1	70	234	-3.35	-6.88	-3.53	-6.70	0.77	398.73	-1267.16	-813.18	-55.25	-741.74
1	70	235	0.87	-3.38	-2.74	0.22	1.52	966.98	-609.87	184.37	172.75	788.40
1	70	236	2.23	-1.51	-1.50	2.22	0.21	1028.48	-440.45	138.05	449.98	717.71
1	70	237	2.66	0.18	1.13	1.71	1.21	1195.70	-252.39	84.21	859.10	611.66
1	70	238	4.28	0.10	1.75	2.64	2.04	1300.40	-63.79	93.08	1143.53	435.20
1	70	239	4.44	0.20	1.21	3.42	1.81	1345.94	61.52	126.76	1280.70	282.03
1	70	240	4.09	0.42	0.83	3.68	1.16	1359.69	132.95	154.65	1337.99	161.73
1	70	241	3.79	0.60	0.67	3.72	0.46	1360.79	166.62	169.98	1357.43	63.25
1	70	242	3.73	0.64	0.65	3.71	-0.22	1360.37	171.72	172.30	1359.79	-26.24
1	70	243	3.91	0.52	0.77	3.66	-0.89	1360.43	149.58	161.53	1348.48	-119.69
1	70	244	4.17	0.33	1.07	3.43	-1.51	1353.42	93.41	137.05	1309.78	-230.40
1	70	245	4.01	0.26	1.49	2.77	-1.76	1322.59	-11.70	101.67	1209.23	-372.04
1	70	246	3.15	2.24e-02	0.90	2.28	-1.40	1240.93	-178.34	79.18	983.41	-546.97
1	70	247	2.28	-1.23	-0.91	1.96	-1.02	1086.91	-376.82	110.35	599.73	-689.75
1	70	248	0.81	-2.79	-2.28	0.30	-1.26	969.26	-606.88	186.00	176.38	-788.06
1	70	249	0.12	-2.87	-2.85	9.80e-02	0.24	1162.97	-179.91	737.96	245.10	624.58
1	70	250	0.46	-1.59	-1.57	0.44	0.21	1122.17	-12.06	638.49	471.62	560.94
1	70	251	1.09	-0.11	0.38	0.61	0.59	1154.83	133.15	499.03	788.94	489.84
1	70	252	2.31	0.15	1.37	1.09	1.07	1206.31	222.59	399.56	1029.34	377.86
1	70	253	2.77	0.44	1.50	1.71	1.16	1246.05	266.12	340.51	1171.66	259.54
1	70	254	2.70	0.82	1.37	2.15	0.85	1267.37	283.50	308.13	1242.73	153.72
1	70	255	2.47	1.15	1.26	2.36	0.37	1275.47	288.85	292.63	1271.69	60.96
1	70	256	2.40	1.22	1.24	2.38	-0.15	1276.29	289.26	289.93	1275.62	-25.67
1	70	257	2.55	0.98	1.30	2.22	-0.64	1270.99	285.72	299.39	1257.32	-115.24
1	70	258	2.63	0.63	1.39	1.86	-0.97	1255.02	273.44	323.58	1204.89	-216.10
1	70	259	2.32	0.32	1.28	1.36	-1.00	1221.54	241.35	370.42	1092.48	-331.44
1	70	260	1.49	-5.64e-02	0.50	0.93	-0.74	1170.94	172.46	453.75	889.65	-449.15
1	70	261	0.78	-1.11	-0.95	0.62	-0.53	1125.58	47.80	579.79	593.59	-538.84
1	70	262	0.23	-2.72	-2.67	0.18	-0.41	1161.42	-183.04	737.72	240.67	-624.60



1	70	263	-9.16e-02	-3.11	-3.11	-9.57e-02	-0.11	1223.54	88.63	1047.86	264.31	410.50
1	70	264	-0.10	-1.81	-1.81	-0.10	-5.03e-02	1134.55	271.39	929.13	476.82	367.59
1	70	265	0.17	-0.20	-3.88e-02	1.34e-02	0.18	1077.53	428.24	755.07	750.70	324.64
1	70	266	1.27	9.13e-02	1.06	0.31	0.45	1095.68	470.35	609.36	956.67	260.01
1	70	267	1.83	0.43	1.53	0.72	0.57	1143.97	448.09	501.76	1090.29	185.66
1	70	268	1.92	0.83	1.65	1.10	0.47	1181.94	414.83	431.84	1164.93	112.95
1	70	269	1.76	1.22	1.65	1.33	0.22	1201.05	392.81	395.37	1198.49	45.38
1	70	270	1.65	1.34	1.63	1.37	-8.01e-02	1203.67	388.78	389.24	1203.21	-19.30
1	70	271	1.81	1.02	1.61	1.22	-0.34	1190.56	403.58	412.98	1181.16	-85.47
1	70	272	1.77	0.64	1.49	0.92	-0.49	1159.10	433.37	468.88	1123.59	-156.54
1	70	273	1.36	0.30	1.10	0.56	-0.46	1111.25	463.93	561.27	1013.90	-231.39
1	70	274	0.55	-5.06e-02	0.24	0.26	-0.30	1073.92	455.04	692.80	836.16	-301.02
1	70	275	7.80e-02	-1.16	-1.15	6.18e-02	-0.14	1100.35	343.33	857.39	586.29	-353.40
1	70	276	-5.66e-02	-2.96	-2.96	-5.67e-02	-1.52e-02	1222.20	84.94	1047.29	259.85	-410.27
1	70	277	-0.14	-3.18	-3.17	-0.15	-0.16	1225.02	234.04	1191.02	268.04	180.38
1	70	278	-0.23	-1.97	-1.95	-0.25	-0.17	1107.38	433.27	1066.05	474.61	161.73
1	70	279	-0.15	-0.34	-0.27	-0.22	-9.53e-02	967.30	642.82	880.22	729.91	143.78
1	70	280	0.86	-3.85e-02	0.86	-3.76e-02	2.93e-02	972.33	663.55	717.87	918.02	117.56
1	70	281	1.49	0.25	1.48	0.26	0.12	1059.54	574.95	590.82	1043.66	86.27
1	70	282	1.76	0.55	1.74	0.56	0.12	1122.08	499.48	504.15	1117.41	53.74
1	70	283	1.82	0.75	1.82	0.76	6.50e-02	1152.79	456.96	457.65	1152.10	21.90
1	70	284	1.81	0.80	1.81	0.80	-2.17e-02	1157.17	449.77	449.89	1157.04	-9.36
1	70	285	1.73	0.68	1.72	0.68	-9.16e-02	1136.41	478.05	480.61	1133.85	-40.97
1	70	286	1.50	0.44	1.49	0.45	-0.11	1085.96	540.98	551.06	1075.88	-73.44
1	70	287	0.99	0.18	0.98	0.18	-5.65e-02	1003.81	629.73	662.39	971.15	-105.60
1	70	288	8.61e-02	-3.98e-02	7.74e-02	-3.10e-02	3.21e-02	944.05	675.91	811.88	808.08	-134.06
1	70	289	-0.13	-1.29	-1.28	-0.14	0.10	1042.14	526.57	989.92	578.80	-155.55
1	70	290	-0.13	-3.06	-3.06	-0.13	0.11	1224.12	230.43	1190.36	264.20	-180.02
1	70	291	-0.13	-3.09	-3.08	-0.14	-0.16	1204.95	263.23	1202.01	266.17	-52.48
1	70	292	-0.19	-1.95	-1.92	-0.22	-0.24	1081.22	467.49	1077.70	471.02	-46.37
1	70	293	6.73e-02	-0.58	-0.32	-0.19	-0.32	901.82	714.60	892.69	723.72	-40.31
1	70	294	0.89	-0.14	0.78	-3.41e-02	-0.31	914.49	725.60	730.80	909.29	-30.92
1	70	295	1.47	0.17	1.41	0.22	-0.26	1033.91	602.87	603.83	1032.95	-20.34
1	70	296	1.73	0.46	1.70	0.48	-0.17	1105.64	516.76	516.97	1105.43	-11.16
1	70	297	1.80	0.65	1.80	0.66	-7.63e-02	1139.53	470.26	470.29	1139.50	-4.12
1	70	298	1.79	0.70	1.79	0.70	2.40e-02	1144.33	462.50	462.51	1144.33	1.78
1	70	299	1.70	0.58	1.69	0.60	0.12	1121.64	493.30	493.41	1121.53	8.21
1	70	300	1.47	0.36	1.43	0.40	0.21	1065.13	563.56	564.11	1064.58	16.56
1	70	301	1.00	7.89e-02	0.91	0.17	0.27	964.15	672.98	675.47	961.65	26.84
1	70	302	0.31	-0.31	1.92e-02	-1.82e-02	0.31	851.72	773.95	824.61	801.06	37.06
1	70	303	-5.98e-02	-1.34	-1.28	-0.13	0.29	1006.55	569.90	1001.94	574.51	44.64
1	70	304	-0.12	-2.99	-2.98	-0.13	0.17	1204.38	259.57	1201.40	262.55	52.97
1	70	305	-4.28e-02	-2.84	-2.82	-6.37e-02	-0.24	1171.84	173.45	1085.97	259.32	-279.92
1	70	306	6.65e-02	-1.82	-1.73	-2.29e-02	-0.40	1072.05	363.53	968.79	466.79	-250.00
1	70	307	0.53	-0.66	-0.23	0.11	-0.57	986.22	542.89	796.54	732.57	-219.35
1	70	308	1.24	-0.15	0.79	0.30	-0.65	1012.80	569.17	651.41	930.56	-172.40
1	70	309	1.68	0.23	1.33	0.58	-0.62	1084.64	516.73	543.14	1058.23	-119.58
1	70	310	1.77	0.62	1.55	0.84	-0.45	1136.74	464.46	471.96	1129.24	-70.61
1	70	311	1.68	0.94	1.62	1.00	-0.21	1162.10	433.43	434.49	1161.04	-27.76
1	70	312	1.61	1.03	1.61	1.04	6.80e-02	1165.64	428.05	428.24	1165.44	11.86
1	70	313	1.67	0.80	1.53	0.94	0.32	1148.51	448.78	452.83	1144.46	53.05
1	70	314	1.62	0.45	1.33	0.74	0.51	1106.45	493.41	510.09	1089.77	99.73
1	70	315	1.31	6.42e-02	0.87	0.50	0.59	1038.46	550.42	603.46	985.42	151.90
1	70	316	0.78	-0.45	3.67e-02	0.30	0.60	981.44	568.75	734.74	815.44	202.36
1	70	317	0.32	-1.35	-1.16	0.12	0.54	1025.84	446.25	897.88	574.21	240.39
1	70	318	-2.02e-03	-2.75	-2.71	-3.79e-02	0.31	1171.55	169.57	1085.53	255.59	280.69
1	70	319	0.33	-2.51	-2.35	0.16	-0.66	1098.52	-39.93	819.10	239.48	-489.92
1	70	320	0.87	-1.73	-1.48	0.62	-0.77	1048.63	129.69	720.72	457.59	-440.23
1	70	321	1.35	-0.63	-6.79e-02	0.79	-0.90	1063.12	278.52	581.73	759.91	-382.05
1	70	322	2.00	-0.10	0.87	1.02	-1.05	1117.66	348.37	480.10	985.93	-289.79
1	70	323	2.30	0.27	1.21	1.36	-1.01	1168.89	366.42	416.79	1118.52	-194.63
1	70	324	2.20	0.70	1.27	1.62	-0.72	1199.73	364.29	379.83	1184.18	-112.90
1	70	325	1.91	1.11	1.27	1.76	-0.32	1213.00	358.96	361.24	1210.71	-44.13
1	70	326	1.80	1.23	1.26	1.77	0.12	1214.61	357.65	358.06	1214.20	18.72
1	70	327	2.03	0.89	1.24	1.68	0.52	1205.77	361.39	369.90	1197.26	84.34
1	70	328	2.16	0.48	1.17	1.47	0.83	1181.88	365.51	398.54	1148.85	160.85
1	70	329	1.99	7.52e-02	0.86	1.20	0.94	1137.27	357.68	450.13	1044.82	252.04
1	70	330	1.59	-0.50	6.87e-02	1.02	0.93	1079.29	312.82	536.20	855.90	348.31
1	70	331	1.19	-1.46	-1.04	0.77	0.96	1044.20	194.38	662.31	576.26	422.72
1	70	332	0.44	-2.43	-2.21	0.23	0.76	1098.97	-43.64	819.01	236.32	491.43
1	70	333	1.67	-3.08	-1.93	0.53	-2.03	912.65	-399.59	337.91	175.15	-651.05
1	70	334	3.00	-1.87	-1.56	2.70	-1.18	964.52	-240.11	288.76	435.65	-597.82
1	70	335	2.54	-0.44	0.15	1.95	-1.18	1107.41	-59.64	228.51	819.26	-503.24
1	70	336	3.31	-3.85e-02	1.03	2.24	-1.56	1207.75	100.75	226.10	1082.40	-350.79
1	70	337	3.47	0.16	0.95	2.67	-1.42	1256.35	197.60	246.76	1207.19	-222.79
1	70	338	3.17	0.47	0.83	2.80	-0.92	1274.34	247.21	262.88	1258.67	-125.90



1	70	339	2.88	0.72	0.79	2.81	-0.38	1278.33	268.50	270.86	1275.97	-48.75
1	70	340	2.81	0.77	0.78	2.80	0.16	1278.36	271.53	271.95	1277.95	20.46
1	70	341	2.99	0.59	0.81	2.77	0.68	1276.21	257.78	266.38	1267.62	93.16
1	70	342	3.23	0.31	0.89	2.65	1.16	1265.05	220.16	252.60	1232.61	181.22
1	70	343	3.11	0.11	0.92	2.30	1.33	1230.08	142.48	231.06	1141.50	297.49
1	70	344	2.86	-0.48	7.57e-02	2.30	1.25	1150.27	6.76	220.83	936.20	446.06
1	70	345	2.98	-1.87	-1.31	2.43	1.54	1015.51	-175.19	258.65	581.68	573.02
1	70	346	1.73	-2.55	-1.51	0.69	1.83	918.48	-399.21	339.44	179.83	653.99
1	70	347	0.37	-8.83	-7.34	-1.12	-3.39	380.01	-962.18	-545.56	-36.61	-620.97
1	70	348	7.66	0.53	0.70	7.50	-1.07	748.06	-715.31	-326.81	359.56	-646.21
1	70	349	4.51	-8.65e-02	0.17	4.25	-1.06	1147.13	-450.56	-274.90	971.47	-499.80
1	70	350	5.95	-0.25	0.85	4.85	-2.36	1280.16	-120.40	-52.33	1212.08	-301.19
1	70	351	5.09	-0.13	0.37	4.59	-1.54	1329.47	54.33	81.35	1302.45	-183.64
1	70	352	4.36	8.54e-02	0.27	4.18	-0.86	1341.57	146.55	155.40	1332.72	-102.44
1	70	353	3.94	0.24	0.27	3.91	-0.33	1340.54	188.68	190.04	1339.18	-39.55
1	70	354	3.87	0.27	0.27	3.87	0.15	1339.63	195.22	195.46	1339.40	16.49
1	70	355	4.15	0.16	0.27	4.04	0.65	1341.14	168.38	173.23	1336.29	75.26
1	70	356	4.73	-2.41e-02	0.35	4.36	1.27	1336.49	98.39	116.12	1318.76	147.09
1	70	357	5.38	-0.13	0.73	4.53	1.99	1306.45	-41.21	5.67	1259.57	246.95
1	70	358	3.64	0.35	0.47	3.52	0.61	1205.87	-313.79	-195.49	1087.57	407.17
1	70	359	10.02	-3.23	-2.28	9.07	3.42	958.04	-658.43	-323.65	623.26	655.04
1	70	360	-0.31	-3.63	-1.97	-1.97	1.66	412.95	-922.89	-498.38	-11.57	621.99
1	70	361	17.22	-3.48	13.75	-1.47e-02	7.73	-938.04	-1778.58	-1753.65	-962.97	-142.60
1	70	362	9.36	-9.21	4.02	-3.87	8.41	799.19	-1524.30	-1284.56	559.45	-706.79
1	70	363	11.75	-4.94	0.70	6.11	-7.89	1166.41	-664.20	-611.36	1113.58	-306.48
1	70	364	8.55	-1.43	-0.98	8.11	-2.05	1315.87	-228.78	-216.06	1303.15	-139.55
1	70	365	6.42	-0.48	-0.38	6.32	-0.82	1371.28	-14.97	-9.66	1365.97	-85.60
1	70	366	5.21	-0.19	-0.17	5.19	-0.36	1383.83	95.40	97.30	1381.93	-49.45
1	70	367	4.66	-5.97e-02	-5.64e-02	4.65	-0.13	1382.09	145.90	146.21	1381.78	-19.50
1	70	368	4.58	-4.41e-02	-4.35e-02	4.58	5.03e-02	1380.95	153.97	154.02	1380.89	8.34
1	70	369	4.97	-0.14	-0.13	4.96	0.26	1382.95	122.33	123.41	1381.87	36.91
1	70	370	5.96	-0.40	-0.33	5.89	0.67	1378.44	40.07	43.69	1374.82	69.50
1	70	371	7.81	-1.19	-0.86	7.48	1.69	1344.68	-124.26	-115.30	1335.72	114.38
1	70	372	10.65	-4.07	-5.45e-02	6.63	6.55	1244.33	-452.02	-415.41	1207.72	246.51
1	70	373	9.07	-6.42	8.55	-5.91	-2.78	1030.55	-1093.51	-982.95	919.99	471.82
1	70	374	15.07	-7.79	6.21	1.08	-11.14	-792.93	-1857.76	-1808.85	-841.84	222.91
1	70	375	55.68	-13.12	55.63	-13.07	1.88	872.99	-1256.22	-1255.28	872.05	44.81
1	70	376	23.13	9.57e-03	0.12	23.02	-1.59	1317.24	-568.91	-566.57	1314.89	-66.44
1	70	377	8.93	0.82	0.82	8.93	0.13	1320.56	-199.13	-197.82	1319.25	-44.60
1	70	378	6.42	-0.24	-0.24	6.42	2.84e-02	1375.91	-12.13	-11.15	1374.94	-36.79
1	70	379	5.29	-0.21	-0.21	5.29	-5.94e-03	1391.14	93.12	93.58	1390.68	-24.39
1	70	380	4.75	-8.80e-02	-8.80e-02	4.75	-1.07e-02	1390.44	142.38	142.46	1390.36	-10.16
1	70	381	4.68	-7.33e-02	-7.33e-02	4.68	-1.09e-02	1389.43	150.32	150.34	1389.41	4.62
1	70	382	5.06	-0.17	-0.17	5.06	-1.07e-02	1390.71	119.64	119.93	1390.42	19.10
1	70	383	6.00	-0.23	-0.23	6.00	-2.14e-02	1384.20	41.66	42.43	1383.43	32.14
1	70	384	8.12	0.57	0.57	8.12	-2.76e-02	1351.14	-101.84	-100.63	1349.94	41.84
1	70	385	19.30	0.48	0.63	19.16	1.66	1358.99	-392.77	-390.48	1356.70	63.30
1	70	386	40.26	7.96	40.26	7.97	0.32	1075.94	-623.30	-623.15	1075.79	15.69
1	70	387	18.95	-7.57	18.89	-7.51	1.24	-660.62	-1281.69	-1271.48	-670.83	78.97
1	70	388	8.04	-5.97	2.21	-0.13	-6.90	646.86	-1290.61	-1081.42	437.67	601.28
1	70	389	12.14	-3.54	0.87	7.73	7.05	1146.76	-573.12	-539.02	1112.67	239.75
1	70	390	8.82	-1.25	-0.88	8.44	1.91	1310.25	-193.04	-189.20	1306.42	75.82
1	70	391	6.58	-0.46	-0.34	6.45	0.92	1375.54	-0.56	0.15	1374.83	31.24
1	70	392	5.32	-0.16	-0.12	5.28	0.45	1394.29	100.11	100.22	1394.19	11.72
1	70	393	4.75	-1.92e-02	-1.43e-02	4.75	0.15	1395.73	146.31	146.32	1395.72	3.42
1	70	394	4.68	-5.25e-03	-3.26e-03	4.68	-9.65e-02	1395.07	153.71	153.71	1395.07	-0.78
1	70	395	5.09	-0.12	-9.29e-02	5.06	-0.37	1394.93	124.86	124.90	1394.90	-6.60
1	70	396	6.12	-0.38	-0.29	6.02	-0.79	1385.43	50.07	50.38	1385.12	-20.29
1	70	397	8.10	-1.07	-0.74	7.78	-1.69	1343.56	-97.47	-95.54	1341.62	-52.77
1	70	398	11.80	-3.55	-1.08e-02	8.26	-6.47	1229.93	-381.62	-361.68	1209.98	-178.17
1	70	399	8.57	-3.91	7.57	-2.91	3.39	956.70	-964.21	-861.78	854.27	-431.57
1	70	400	12.29	-2.80	11.77	-2.28	2.75	-519.29	-1332.12	-1308.39	-543.02	-136.85
1	70	401	-1.78	-9.12	-8.59	-2.31	1.90	341.37	-711.61	-379.61	9.38	489.25
1	70	402	4.57	1.48	1.48	4.57	2.91e-02	686.95	-453.56	-188.57	421.96	481.67
1	70	403	5.99	-0.35	1.00	4.64	2.60	1104.31	-279.62	-162.28	986.97	385.52
1	70	404	6.52	-0.43	1.00	5.09	2.81	1266.19	-36.02	-1.03	1231.20	210.55
1	70	405	5.44	-0.12	0.51	4.81	1.76	1343.47	91.20	101.79	1332.88	114.68
1	70	406	4.63	0.18	0.40	4.41	0.96	1373.97	157.35	160.07	1371.26	57.40
1	70	407	4.20	0.37	0.40	4.17	0.35	1382.36	187.18	187.54	1382.00	20.82
1	70	408	4.14	0.39	0.40	4.13	-0.19	1382.92	191.76	191.81	1382.87	-7.83
1	70	409	4.44	0.24	0.39	4.29	-0.77	1378.13	172.78	174.09	1376.82	-39.67
1	70	410	5.09	-2.60e-02	0.46	4.61	-1.50	1358.63	122.78	128.87	1352.55	-86.51
1	70	411	5.95	-0.31	0.82	4.82	-2.41	1304.42	21.02	42.31	1283.13	-163.94
1	70	412	4.62	0.15	0.93	3.84	-1.70	1177.05	-185.44	-113.12	1104.73	-305.45
1	70	413	8.24	-2.28	-1.11	7.06	-3.31	876.54	-419.80	-190.85	647.59	-494.35
1	70	414	-3.29	-4.42	-3.36	-4.35	-0.28	367.40	-677.02	-340.12	30.50	-488.23



1	70	415	0.93	-3.66	-2.97	0.24	1.64	801.26	-156.14	437.82	207.31	464.62
1	70	416	2.05	-1.91	-1.76	1.90	0.75	850.55	-1.33	370.25	478.96	422.46
1	70	417	2.56	-0.36	0.66	1.55	1.39	1028.26	119.41	283.30	864.37	349.41
1	70	418	3.79	-4.30e-02	1.46	2.29	1.87	1188.23	196.56	252.72	1132.07	229.22
1	70	419	3.87	0.33	1.26	2.94	1.56	1285.37	232.48	249.93	1267.92	134.45
1	70	420	3.57	0.70	1.08	3.19	0.97	1333.51	247.01	251.60	1328.93	70.40
1	70	421	3.33	0.93	0.99	3.27	0.37	1352.21	251.93	252.55	1351.59	26.08
1	70	422	3.28	0.95	0.97	3.27	-0.19	1354.51	252.29	252.39	1354.42	-10.27
1	70	423	3.44	0.78	1.02	3.20	-0.77	1342.69	248.76	251.06	1340.39	-50.05
1	70	424	3.68	0.45	1.15	2.98	-1.33	1307.59	237.81	248.26	1297.14	-105.21
1	70	425	3.59	0.14	1.27	2.45	-1.62	1230.79	210.04	246.21	1194.62	-188.70
1	70	426	2.95	-0.37	0.53	2.05	-1.48	1091.79	150.74	262.91	979.62	-304.91
1	70	427	2.25	-1.68	-1.19	1.76	-1.30	905.42	46.03	329.04	622.41	-403.88
1	70	428	0.88	-3.17	-2.61	0.31	-1.40	802.74	-156.12	437.82	208.79	-465.55
1	70	429	0.15	-3.34	-3.26	7.13e-02	0.52	945.05	154.97	833.76	266.26	274.84
1	70	430	0.53	-1.95	-1.81	0.39	0.57	881.93	343.21	723.15	501.99	245.62
1	70	431	1.27	-0.37	0.25	0.65	0.79	940.29	450.55	567.11	823.73	208.56
1	70	432	2.27	0.26	1.36	1.16	1.00	1100.94	416.45	450.69	1066.70	149.22
1	70	433	2.64	0.77	1.62	1.80	0.93	1224.24	366.21	376.30	1214.15	92.50
1	70	434	2.64	1.19	1.56	2.27	0.63	1292.84	330.41	332.97	1290.27	49.65
1	70	435	2.57	1.42	1.48	2.51	0.26	1322.59	311.24	311.58	1322.26	18.47
1	70	436	2.55	1.44	1.46	2.53	-0.13	1326.70	307.64	307.70	1326.64	-7.58
1	70	437	2.59	1.26	1.49	2.36	-0.50	1307.38	319.40	320.70	1306.07	-35.88
1	70	438	2.59	0.89	1.50	1.98	-0.81	1254.82	347.56	353.60	1248.78	-73.72
1	70	439	2.31	0.42	1.25	1.48	-0.94	1151.87	392.68	414.18	1130.37	-125.94
1	70	440	1.62	-0.22	0.36	1.04	-0.86	995.98	441.58	514.02	923.54	-186.85
1	70	441	0.91	-1.44	-1.18	0.66	-0.73	876.23	405.19	656.37	625.05	-235.00
1	70	442	0.26	-3.18	-3.09	0.16	-0.56	943.37	148.47	831.49	260.35	-276.43
1	70	443	-3.75e-02	-3.54	-3.53	-4.14e-02	0.12	989.70	278.27	986.83	281.14	45.11
1	70	444	7.25e-02	-1.98	-1.96	5.68e-02	0.18	867.76	506.49	863.39	510.86	39.48
1	70	445	0.51	-5.81e-02	0.10	0.35	0.26	819.93	676.65	684.70	811.89	32.99
1	70	446	1.43	0.69	1.30	0.81	0.28	1042.76	538.26	539.36	1041.66	23.47
1	70	447	1.87	1.26	1.74	1.40	0.25	1190.60	436.26	436.52	1190.34	13.94
1	70	448	2.03	1.65	1.78	1.89	0.18	1272.32	372.71	372.76	1272.27	6.80
1	70	449	2.19	1.71	1.72	2.18	8.49e-02	1308.54	340.56	340.57	1308.53	2.12
1	70	450	2.21	1.71	1.71	2.21	-2.67e-02	1313.73	334.85	334.85	1313.73	-1.33
1	70	451	2.06	1.67	1.73	2.00	-0.15	1290.22	354.78	354.81	1290.19	-5.14
1	70	452	1.90	1.37	1.67	1.60	-0.26	1227.26	404.11	404.25	1227.12	-10.80
1	70	453	1.55	0.84	1.26	1.13	-0.34	1105.03	490.05	490.64	1104.44	-19.08
1	70	454	0.91	8.30e-02	0.25	0.74	-0.33	907.23	617.11	620.05	904.28	-29.10
1	70	455	0.43	-1.35	-1.33	0.41	-0.20	795.95	617.80	787.35	626.40	-38.18
1	70	456	5.87e-02	-3.35	-3.35	5.83e-02	-3.66e-02	986.44	270.48	983.27	273.65	-47.57
1	70	457	0.12	-3.50	-3.48	9.47e-02	-0.30	983.89	223.44	932.84	274.50	-190.32
1	70	458	0.38	-2.03	-2.02	0.36	-0.19	890.48	431.11	813.82	507.77	-171.29
1	70	459	0.72	2.18e-02	0.13	0.61	-0.25	902.74	557.87	642.57	818.04	-148.44
1	70	460	1.65	0.78	1.36	1.07	-0.41	1074.70	485.69	507.06	1053.33	-110.14
1	70	461	2.11	1.28	1.73	1.66	-0.41	1208.34	407.08	413.60	1201.83	-71.94
1	70	462	2.26	1.60	1.74	2.12	-0.27	1284.01	354.47	356.28	1282.21	-40.90
1	70	463	2.39	1.68	1.69	2.37	-9.19e-02	1317.68	327.17	327.44	1317.42	-16.23
1	70	464	2.40	1.68	1.69	2.39	8.04e-02	1322.61	322.21	322.24	1322.58	5.65
1	70	465	2.28	1.64	1.74	2.19	0.22	1301.04	338.92	339.80	1300.16	29.05
1	70	466	2.05	1.46	1.73	1.78	0.29	1242.99	379.51	383.46	1239.04	58.27
1	70	467	1.55	1.10	1.36	1.30	0.22	1130.81	447.10	460.75	1117.16	95.63
1	70	468	0.98	0.20	0.21	0.96	0.10	960.47	531.67	580.16	911.98	135.80
1	70	469	0.79	-1.61	-1.57	0.75	0.27	854.87	507.69	739.69	622.87	163.47
1	70	470	0.35	-3.42	-3.33	0.26	0.56	976.43	216.85	927.85	265.43	185.85
1	70	471	0.95	-3.90	-3.42	0.46	-1.45	898.79	-10.04	656.79	231.96	-401.71
1	70	472	1.72	-2.31	-2.29	1.71	-0.26	895.25	162.79	565.38	492.66	-364.42
1	70	473	1.88	2.48e-02	0.43	1.47	-0.77	1015.55	270.28	438.09	847.75	-311.29
1	70	474	3.04	0.54	1.50	2.08	-1.21	1161.61	299.03	358.21	1102.43	-218.04
1	70	475	3.22	0.93	1.53	2.62	-1.01	1266.03	292.80	312.43	1246.41	-136.79
1	70	476	3.15	1.22	1.45	2.91	-0.63	1323.17	281.81	287.31	1317.67	-75.48
1	70	477	3.07	1.36	1.39	3.04	-0.22	1347.40	274.52	275.32	1346.60	-29.28
1	70	478	3.07	1.39	1.41	3.05	0.17	1350.91	272.96	273.06	1350.81	10.38
1	70	479	3.10	1.31	1.50	2.91	0.55	1335.95	277.10	279.76	1333.29	52.97
1	70	480	3.09	1.14	1.63	2.60	0.85	1293.67	285.14	296.88	1281.94	108.16
1	70	481	2.72	0.91	1.59	2.04	0.87	1207.88	290.96	329.73	1169.11	184.51
1	70	482	1.89	0.19	0.34	1.74	0.48	1068.42	277.05	393.43	952.05	280.28
1	70	483	1.83	-2.21	-2.15	1.77	0.47	913.56	206.54	505.74	614.36	349.31
1	70	484	1.18	-3.96	-3.38	0.60	1.63	884.46	-10.42	650.85	223.19	393.04
1	70	485	-6.66e-03	-10.08	-9.76	-0.33	-1.77	538.79	-435.48	24.25	79.06	-486.36
1	70	486	3.60	-0.85	-2.38e-02	2.78	1.73	779.07	-204.75	115.33	458.99	-460.92
1	70	487	6.32	-0.41	0.91	5.00	-2.67	1102.33	-84.39	82.62	935.32	-412.68
1	70	488	5.17	0.43	1.13	4.47	-1.69	1247.17	59.91	119.77	1187.31	-259.78
1	70	489	4.63	0.66	1.11	4.18	-1.26	1333.76	139.27	159.32	1313.70	-153.48
1	70	490	4.21	0.81	0.99	4.04	-0.76	1372.48	181.69	187.27	1366.90	-81.34



1	70	491	3.98	0.91	0.94	3.96	-0.27	1385.81	200.92	201.72	1385.00	-30.87
1	70	492	3.97	0.95	0.96	3.95	0.21	1387.47	204.16	204.26	1387.37	10.77
1	70	493	4.16	0.91	1.07	4.01	0.70	1379.99	192.44	195.06	1377.36	55.80
1	70	494	4.51	0.84	1.28	4.07	1.19	1354.41	160.35	171.90	1342.85	116.89
1	70	495	4.78	0.79	1.49	4.08	1.52	1291.42	93.99	131.35	1254.06	208.17
1	70	496	4.17	0.54	0.97	3.74	1.17	1167.88	-41.86	72.09	1053.93	353.36
1	70	497	5.04	-2.53	-2.46	4.97	0.72	885.03	-179.76	84.61	620.66	460.01
1	70	498	-3.43	-6.80	-6.02	-4.20	1.42	536.68	-430.50	36.90	69.28	483.32
1	70	499	14.52	-17.03	13.98	-16.50	-4.06	53.55	-794.40	-560.31	-180.55	-379.08
1	70	500	8.62	-6.22	-5.18	7.58	3.80	607.93	-972.80	-628.95	264.09	-652.15
1	70	501	8.06	-0.38	-9.21e-02	7.77	1.54	1142.85	-509.26	-406.37	1039.96	-399.25
1	70	502	6.69	1.04	1.22	6.51	-0.99	1318.38	-180.81	-154.58	1292.14	-196.57
1	70	503	5.80	0.56	0.73	5.63	-0.91	1388.58	-5.79	1.78	1381.01	-102.46
1	70	504	5.13	0.47	0.54	5.06	-0.56	1412.20	88.25	90.16	1410.28	-50.33
1	70	505	4.78	0.50	0.51	4.77	-0.20	1416.38	132.24	132.50	1416.12	-18.28
1	70	506	4.77	0.52	0.53	4.76	0.14	1416.35	140.08	140.11	1416.32	6.28
1	70	507	5.10	0.54	0.60	5.05	0.51	1414.85	114.23	115.09	1413.99	33.50
1	70	508	5.80	0.67	0.84	5.63	0.92	1402.40	46.37	50.45	1398.32	74.33
1	70	509	6.84	1.18	1.49	6.53	1.28	1358.73	-86.42	-71.46	1343.76	146.30
1	70	510	7.69	1.22	1.24	7.66	0.39	1242.21	-344.71	-281.47	1178.96	310.43
1	70	511	5.24	-5.46	-0.65	0.42	-5.32	848.88	-841.07	-593.61	601.42	597.45
1	70	512	11.33	-9.97	11.26	-9.90	1.20	137.32	-789.94	-558.09	-94.53	401.53
1	70	513	3.41	0.33	0.33	3.41	-0.10	1114.73	-73.28	-35.74	1077.20	207.81
1	70	514	30.11	-31.00	29.91	-30.79	-3.54	722.01	-1929.39	-1929.39	722.01	-2.00
1	70	515	14.17	5.79	12.33	7.63	-3.47	1277.06	-703.75	-703.13	1276.43	35.31
1	70	516	7.17	2.15	2.18	7.14	-0.36	1351.46	-308.57	-307.15	1350.03	48.60
1	70	517	6.21	0.58	0.58	6.21	-2.22e-02	1407.40	-82.83	-81.79	1406.37	39.33
1	70	518	5.44	0.32	0.32	5.44	3.03e-03	1420.27	40.66	41.16	1419.78	26.05
1	70	519	5.04	0.31	0.31	5.04	-1.54e-02	1418.23	98.57	98.66	1418.14	11.26
1	70	520	5.03	0.33	0.33	5.03	-4.61e-02	1417.07	108.80	108.81	1417.06	-4.04
1	70	521	5.41	0.38	0.39	5.41	-8.45e-02	1419.56	74.64	74.91	1419.29	-18.96
1	70	522	6.21	0.65	0.65	6.21	-0.11	1415.85	-13.91	-13.17	1415.11	-32.45
1	70	523	7.39	2.14	2.14	7.39	5.65e-02	1385.25	-179.89	-178.75	1384.11	-42.20
1	70	524	13.15	7.47	11.99	8.63	2.29	1363.84	-459.73	-458.80	1362.92	-41.01
1	70	525	27.88	-13.28	27.74	-13.14	2.35	1035.36	-1252.38	-1252.35	1035.33	-7.96
1	70	526	5.27	-3.03	-3.03	5.26	0.25	714.00	-140.01	-28.36	602.36	287.89
1	70	527	-1.98	-6.08	-4.36	-3.70	2.02	279.52	-294.04	-76.33	61.81	278.34
1	70	528	12.96	-13.60	12.27	-12.91	-4.23	-220.94	-673.34	-628.73	-265.56	-134.88
1	70	529	6.89	-6.02	-4.31	5.18	4.38	428.09	-860.04	-667.67	235.72	-459.12
1	70	530	6.00	-0.56	-0.37	5.81	1.12	1070.63	-454.71	-420.02	1035.93	-227.41
1	70	531	5.57	1.11	1.17	5.51	-0.51	1315.71	-156.37	-153.55	1312.89	-64.32
1	70	532	5.07	0.75	0.80	5.02	-0.45	1422.03	1.17	1.26	1421.93	-11.65
1	70	533	4.67	0.59	0.60	4.66	-0.23	1464.39	87.22	87.23	1464.38	3.71
1	70	534	4.47	0.54	0.54	4.47	-3.33e-02	1476.89	128.30	128.31	1476.88	3.00
1	70	535	4.46	0.56	0.56	4.46	0.14	1478.09	135.41	135.42	1478.08	-3.28
1	70	536	4.66	0.63	0.66	4.63	0.35	1471.24	110.40	110.45	1471.20	-7.66
1	70	537	5.07	0.82	0.91	4.98	0.61	1444.53	46.54	46.54	1444.53	-1.49
1	70	538	5.61	1.26	1.45	5.43	0.87	1371.65	-75.98	-75.27	1370.95	31.95
1	70	539	17.75	-13.48	17.75	-13.48	-0.19	-329.13	-1237.90	-1095.41	-471.62	330.44
1	70	540	10.82	-8.45	-4.70	7.06	-7.63	638.72	-1380.02	-1017.55	276.25	774.82
1	70	541	7.15	-0.42	-0.33	7.07	0.80	1185.93	-708.20	-589.84	1067.57	458.45
1	70	542	6.78	0.75	0.87	6.66	0.82	1333.44	-275.04	-239.20	1297.60	237.41
1	70	543	5.79	0.47	0.55	5.71	0.65	1385.34	-55.71	-41.37	1371.00	143.04
1	70	544	5.07	0.40	0.43	5.03	0.39	1395.62	61.59	66.52	1390.68	81.02
1	70	545	4.69	0.43	0.43	4.69	0.12	1392.52	116.46	117.28	1391.70	32.29
1	70	546	4.66	0.46	0.46	4.65	-0.16	1391.24	125.84	125.95	1391.13	-11.65
1	70	547	4.97	0.48	0.53	4.93	-0.46	1394.45	92.52	95.03	1391.94	-57.09
1	70	548	5.64	0.61	0.75	5.50	-0.80	1392.64	5.93	14.90	1383.67	-111.17
1	70	549	6.57	1.00	1.28	6.29	-1.22	1364.61	-164.13	-140.46	1340.93	-188.78
1	70	550	7.29	-8.79e-02	0.63	6.57	-2.19	1266.48	-505.84	-425.00	1185.64	-369.79
1	70	551	7.70	-8.16	0.66	-1.12	7.88	909.86	-1118.53	-876.94	668.28	-657.02
1	70	552	11.92	-6.42	11.45	-5.95	2.90	-221.67	-1275.65	-1116.23	-381.10	-377.64
1	70	553	0.81	-10.86	-9.92	-0.12	3.17	531.48	-853.33	-328.58	6.74	671.80
1	70	554	5.77	0.43	0.53	5.67	-0.73	826.59	-558.87	-137.86	405.58	637.22
1	70	555	6.60	-0.65	-0.12	6.07	1.89	1170.84	-370.53	-129.52	929.84	559.81
1	70	556	5.35	0.36	0.90	4.80	1.56	1278.40	-104.23	-1.29	1175.45	362.95
1	70	557	4.65	0.50	0.87	4.28	1.18	1325.26	50.65	92.96	1282.95	228.34
1	70	558	4.12	0.64	0.80	3.97	0.72	1336.27	136.79	150.93	1322.13	129.47
1	70	559	3.81	0.78	0.80	3.79	0.25	1334.88	177.09	179.36	1332.62	51.15
1	70	560	3.76	0.82	0.84	3.74	-0.22	1334.00	183.50	183.82	1333.69	-19.11
1	70	561	3.96	0.77	0.92	3.81	-0.68	1335.90	157.74	165.05	1328.59	-92.53
1	70	562	4.32	0.72	1.10	3.94	-1.11	1332.12	91.08	118.08	1305.12	-181.08
1	70	563	4.56	0.74	1.25	4.05	-1.30	1303.12	-38.22	32.59	1232.31	-299.94
1	70	564	4.12	-5.63e-02	-5.45e-02	4.12	-8.80e-02	1215.05	-278.96	-106.27	1042.36	-477.68
1	70	565	8.76	-3.82	-3.43	8.36	-2.19	964.87	-525.77	-150.86	589.95	-646.76
1	70	566	-1.51	-6.22	-4.42	-3.32	-2.29	544.03	-822.61	-294.58	16.00	-665.44



1	70	567	1.73	-3.57	-2.48	0.65	2.14	996.06	-336.32	470.10	189.64	651.26
1	70	568	2.85	-2.22	-2.08	2.70	0.85	1016.91	-167.67	405.77	443.47	591.99
1	70	569	2.47	-0.36	3.20e-02	2.09	0.97	1121.77	-5.17	318.12	798.48	509.71
1	70	570	3.16	0.27	1.12	2.31	1.32	1198.91	131.44	281.34	1049.02	370.87
1	70	571	3.22	0.58	1.24	2.56	1.15	1240.23	210.42	272.31	1178.34	244.75
1	70	572	2.97	0.93	1.25	2.64	0.75	1256.56	250.35	270.81	1236.11	142.01
1	70	573	2.71	1.21	1.26	2.65	0.29	1260.43	267.20	270.42	1257.22	56.39
1	70	574	2.64	1.27	1.29	2.62	-0.18	1260.50	269.32	269.80	1260.02	-21.92
1	70	575	2.79	1.08	1.34	2.54	-0.61	1258.29	257.77	268.62	1247.44	-103.61
1	70	576	2.91	0.82	1.37	2.37	-0.92	1247.52	226.26	266.86	1206.92	-199.54
1	70	577	2.62	0.61	1.15	2.09	-0.89	1215.66	160.51	268.16	1108.01	-319.36
1	70	578	2.47	-0.45	-0.28	2.31	-0.68	1147.52	43.82	291.32	900.02	-460.34
1	70	579	2.94	-2.57	-2.30	2.67	-1.19	1039.28	-112.87	362.07	564.34	-567.13
1	70	580	2.09	-3.43	-2.20	0.87	-2.30	984.92	-331.98	466.34	186.61	-643.42
1	70	581	0.31	-2.92	-2.80	0.19	0.61	1135.23	-10.45	882.41	242.37	475.11
1	70	582	0.77	-1.96	-1.81	0.62	0.63	1073.69	160.61	778.74	455.56	426.99
1	70	583	1.17	-0.53	-0.15	0.79	0.71	1064.82	308.09	629.67	743.24	374.08
1	70	584	1.83	0.14	0.98	0.99	0.85	1101.90	370.71	514.08	958.54	290.30
1	70	585	2.19	0.55	1.45	1.29	0.81	1145.67	379.30	435.97	1089.00	200.55
1	70	586	2.15	0.99	1.61	1.52	0.58	1174.57	369.64	387.73	1156.48	119.31
1	70	587	1.89	1.41	1.67	1.63	0.24	1187.69	360.05	362.82	1184.92	47.75
1	70	588	1.77	1.54	1.68	1.63	-0.11	1189.29	357.67	358.11	1188.84	-19.19
1	70	589	2.00	1.16	1.65	1.51	-0.41	1180.20	363.41	373.12	1170.49	-88.53
1	70	590	2.00	0.79	1.48	1.30	-0.60	1156.51	372.75	409.95	1119.31	-166.65
1	70	591	1.65	0.41	0.95	1.11	-0.61	1115.03	372.84	474.55	1013.32	-255.23
1	70	592	1.32	-0.44	-0.19	1.07	-0.61	1067.87	335.90	575.70	828.07	-343.55
1	70	593	1.24	-1.85	-1.58	0.97	-0.87	1052.98	222.24	713.73	561.49	-408.33
1	70	594	0.63	-2.91	-2.64	0.35	-0.95	1126.18	-13.35	877.70	235.12	-470.54
1	70	595	-5.61e-02	-3.23	-3.22	-6.65e-02	0.18	1177.10	181.70	1102.34	256.47	262.35
1	70	596	1.00e-02	-2.03	-1.98	-3.38e-02	0.30	1074.54	369.58	984.78	459.35	234.99
1	70	597	0.36	-0.54	-0.27	8.84e-02	0.41	976.51	550.54	810.87	716.18	207.66
1	70	598	1.15	2.93e-02	0.90	0.28	0.47	990.44	578.16	662.12	906.48	166.03
1	70	599	1.71	0.38	1.54	0.55	0.44	1057.71	521.53	548.94	1030.29	118.10
1	70	600	1.92	0.71	1.83	0.80	0.33	1108.34	465.15	473.22	1100.28	71.57
1	70	601	1.95	0.93	1.93	0.95	0.15	1133.33	431.57	432.76	1132.15	28.79
1	70	602	1.93	0.97	1.93	0.97	-3.91e-02	1136.79	425.33	425.53	1136.59	-11.91
1	70	603	1.88	0.82	1.84	0.86	-0.20	1119.58	446.95	451.27	1115.26	-53.73
1	70	604	1.65	0.57	1.55	0.67	-0.31	1077.59	494.35	511.74	1060.21	-99.18
1	70	605	1.13	0.29	0.93	0.50	-0.36	1010.95	555.57	609.72	956.81	-147.39
1	70	606	0.61	-0.35	-0.12	0.38	-0.41	961.56	575.00	745.35	791.22	-191.91
1	70	607	0.36	-1.60	-1.48	0.24	-0.48	1019.91	449.40	910.66	558.65	-224.48
1	70	608	5.94e-02	-3.12	-3.07	1.72e-02	-0.36	1171.13	176.96	1097.89	250.19	-259.69
1	70	609	-0.14	-3.42	-3.41	-0.14	0.10	1186.62	258.36	1185.07	259.91	37.91
1	70	610	-0.20	-2.12	-2.11	-0.22	0.15	1065.15	458.13	1063.26	460.02	33.84
1	70	611	-6.88e-02	-0.42	-0.32	-0.17	0.16	886.64	701.68	881.59	706.74	30.14
1	70	612	0.91	-9.90e-03	0.89	7.63e-03	0.13	890.76	718.71	722.31	887.15	24.64
1	70	613	1.59	0.27	1.59	0.28	8.55e-02	1007.57	596.33	597.11	1006.79	17.89
1	70	614	1.91	0.54	1.91	0.54	5.54e-02	1076.86	510.89	511.11	1076.64	10.93
1	70	615	2.03	0.70	2.03	0.70	3.52e-02	1109.46	464.48	464.51	1109.43	4.29
1	70	616	2.03	0.73	2.03	0.73	1.83e-02	1114.06	456.28	456.29	1114.06	-2.08
1	70	617	1.92	0.62	1.92	0.62	-4.64e-03	1092.04	486.20	486.32	1091.92	-8.49
1	70	618	1.61	0.43	1.61	0.44	-4.39e-02	1036.84	555.28	555.75	1036.37	-15.14
1	70	619	0.99	0.23	0.97	0.24	-0.11	937.32	663.67	665.40	935.59	-21.71
1	70	620	0.21	-0.18	-7.17e-02	9.72e-02	-0.17	827.47	763.04	812.20	778.31	-27.40
1	70	621	1.27e-02	-1.53	-1.50	-1.45e-02	-0.20	988.47	554.87	986.16	557.18	-31.60
1	70	622	-7.59e-02	-3.30	-3.30	-8.21e-02	-0.14	1182.07	252.77	1180.61	254.23	-36.79
1	70	623	-0.11	-3.42	-3.42	-0.11	7.58e-02	1187.63	220.67	1149.53	258.77	-188.12
1	70	624	-0.15	-2.08	-2.08	-0.16	4.41e-02	1075.73	414.53	1029.47	460.80	-168.68
1	70	625	-4.66e-02	-0.27	-0.23	-8.56e-02	-8.41e-02	946.17	617.95	851.10	713.02	-148.88
1	70	626	1.04	6.90e-02	0.98	0.13	-0.24	953.17	641.53	696.66	898.04	-118.92
1	70	627	1.68	0.38	1.61	0.45	-0.30	1034.83	561.30	576.99	1019.13	-84.76
1	70	628	1.92	0.70	1.87	0.74	-0.23	1093.14	491.12	495.59	1088.67	-51.66
1	70	629	1.97	0.91	1.96	0.92	-8.77e-02	1121.58	451.00	451.67	1120.92	-21.09
1	70	630	1.97	0.94	1.96	0.94	7.61e-02	1125.65	443.78	443.88	1125.56	8.14
1	70	631	1.93	0.78	1.89	0.82	0.21	1106.43	469.69	472.00	1104.12	38.28
1	70	632	1.70	0.54	1.64	0.60	0.25	1059.06	527.60	537.30	1049.37	71.14
1	70	633	1.11	0.31	1.06	0.36	0.18	981.15	608.21	641.42	947.93	106.22
1	70	634	0.21	-1.75e-02	5.58e-03	0.19	6.93e-02	923.71	645.96	783.01	786.67	138.86
1	70	635	8.11e-02	-1.49	-1.49	8.05e-02	3.13e-02	1011.71	500.66	953.23	559.15	162.68
1	70	636	-3.47e-02	-3.31	-3.31	-3.49e-02	2.89e-02	1182.46	214.69	1144.58	252.56	187.67
1	70	637	6.72e-02	-3.24	-3.23	5.85e-02	-0.17	1167.30	69.01	986.72	249.59	-407.08
1	70	638	0.27	-1.94	-1.94	0.26	-0.13	1088.93	247.51	876.15	460.29	-365.73
1	70	639	0.62	-0.22	2.31e-02	0.38	-0.38	1046.97	404.71	715.18	736.51	-320.95
1	70	640	1.67	0.20	1.17	0.70	-0.70	1070.35	454.69	584.58	940.46	-251.19
1	70	641	2.12	0.57	1.58	1.11	-0.74	1116.17	441.02	490.36	1066.83	-175.71
1	70	642	2.10	1.01	1.69	1.42	-0.53	1150.36	413.62	429.13	1134.85	-105.76



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1	70	643	1.86	1.43	1.71	1.58	-0.20	1167.12	394.41	396.80	1164.74	-42.82
1	70	644	1.82	1.50	1.73	1.59	0.14	1169.48	390.60	390.95	1169.12	16.66
1	70	645	2.06	1.13	1.73	1.46	0.44	1158.19	402.95	411.11	1150.03	78.07
1	70	646	2.07	0.77	1.64	1.19	0.61	1130.16	426.98	458.83	1098.31	146.23
1	70	647	1.62	0.48	1.24	0.87	0.54	1085.17	448.00	538.26	994.91	222.18
1	70	648	0.81	6.11e-04	0.15	0.67	0.31	1044.49	428.45	654.71	818.23	296.97
1	70	649	0.62	-1.57	-1.53	0.58	0.30	1056.57	312.69	805.69	563.57	351.68
1	70	650	0.27	-3.21	-3.15	0.21	0.43	1159.09	63.60	980.76	241.93	404.43
1	70	651	0.79	-3.49	-3.11	0.42	-1.21	1072.14	-206.56	655.08	210.49	-599.46
1	70	652	1.64	-2.03	-2.03	1.64	-0.10	1060.15	-32.63	572.85	454.67	-543.18
1	70	653	1.86	5.06e-02	0.55	1.37	-0.81	1120.29	123.67	458.29	785.67	-470.66
1	70	654	3.07	0.29	1.41	1.95	-1.37	1175.01	230.99	387.50	1018.51	-351.07
1	70	655	3.16	0.60	1.39	2.37	-1.18	1211.97	281.26	346.48	1146.75	-237.59
1	70	656	2.91	0.96	1.33	2.54	-0.77	1230.24	301.37	323.03	1208.57	-140.19
1	70	657	2.66	1.24	1.30	2.60	-0.29	1236.46	307.90	311.31	1233.04	-56.23
1	70	658	2.63	1.30	1.33	2.59	0.20	1237.09	308.61	309.12	1236.58	21.64
1	70	659	2.83	1.10	1.40	2.53	0.66	1233.41	304.45	315.85	1222.01	102.27
1	70	660	3.02	0.83	1.52	2.33	1.02	1220.75	289.55	332.08	1178.22	194.41
1	70	661	2.78	0.64	1.53	1.90	1.06	1191.09	249.42	361.44	1079.08	304.85
1	70	662	1.92	0.20	0.45	1.67	0.61	1138.45	161.38	417.46	882.37	429.69
1	70	663	1.77	-1.92	-1.88	1.73	0.41	1066.48	20.36	517.69	569.15	522.43
1	70	664	1.04	-3.56	-3.10	0.58	1.39	1058.84	-207.15	648.14	203.55	592.68
1	70	665	-0.18	-9.68	-9.58	-0.28	-1.00	693.05	-629.82	0.29	62.94	-660.69
1	70	666	3.60	-0.39	0.65	2.56	1.75	916.06	-378.23	103.79	434.04	-625.72
1	70	667	6.59	-0.24	1.16	5.19	-2.76	1180.11	-203.89	81.37	894.85	-559.84
1	70	668	5.30	0.36	1.09	4.56	-1.76	1261.87	-4.98	125.45	1131.44	-384.99
1	70	669	4.60	0.50	0.96	4.14	-1.30	1303.76	113.96	168.96	1248.75	-249.84
1	70	670	4.07	0.65	0.85	3.88	-0.79	1315.17	180.83	199.39	1296.61	-143.92
1	70	671	3.77	0.79	0.81	3.74	-0.29	1315.03	212.16	215.12	1312.07	-57.08
1	70	672	3.75	0.83	0.84	3.73	0.20	1314.45	217.52	217.96	1314.02	21.84
1	70	673	4.01	0.77	0.94	3.84	0.71	1315.51	198.42	208.14	1305.80	103.73
1	70	674	4.47	0.71	1.15	4.03	1.22	1311.09	147.87	183.24	1275.71	199.74
1	70	675	4.91	0.72	1.45	4.19	1.58	1285.47	49.08	139.49	1195.06	321.89
1	70	676	4.43	0.72	1.17	3.98	1.21	1219.64	-136.71	74.46	1008.47	491.77
1	70	677	5.41	-1.96	-1.86	5.31	0.84	1009.05	-335.11	78.07	595.87	620.21
1	70	678	-3.53	-6.12	-5.84	-3.82	0.81	693.55	-624.28	12.32	56.95	658.54
1	70	679	15.12	-16.83	14.97	-16.67	-2.24	196.98	-956.23	-575.01	-184.24	-542.49
1	70	680	9.53	-6.66	-5.36	8.23	4.40	732.14	-1119.42	-650.57	263.29	-805.16
1	70	681	8.51	0.30	0.51	8.29	1.31	1201.96	-588.03	-403.89	1017.82	-543.79
1	70	682	6.84	1.03	1.16	6.72	-0.85	1331.81	-226.42	-158.33	1263.72	-318.54
1	70	683	5.78	0.50	0.62	5.66	-0.80	1378.86	-28.85	-0.99	1351.00	-196.06
1	70	684	5.05	0.38	0.44	5.00	-0.51	1388.64	79.61	89.10	1379.15	-111.07
1	70	685	4.68	0.40	0.41	4.67	-0.20	1385.86	131.03	132.55	1384.34	-43.68
1	70	686	4.67	0.43	0.43	4.67	0.11	1384.65	140.20	140.44	1384.42	17.16
1	70	687	5.03	0.46	0.50	4.99	0.44	1387.57	109.82	114.88	1382.52	80.23
1	70	688	5.79	0.62	0.74	5.66	0.80	1385.84	31.11	49.09	1367.86	155.01
1	70	689	6.96	1.21	1.44	6.73	1.12	1361.16	-119.59	-73.50	1315.08	257.13
1	70	690	8.19	1.76	1.80	8.15	0.53	1284.61	-406.09	-278.66	1157.18	446.33
1	70	691	6.47	-6.42	-0.75	0.80	-6.40	940.79	-965.91	-609.46	584.34	743.36
1	70	692	10.98	-9.14	10.96	-9.12	-0.65	268.73	-952.74	-579.98	-104.04	562.47
1	70	693	4.68	-5.29	-7.76e-02	-0.53	-4.98	723.85	-731.49	-611.28	603.64	400.62
1	70	694	29.05	-31.33	29.02	-31.31	-1.27	695.45	-1969.16	-1962.99	689.29	-128.03
1	70	695	13.45	6.46	12.55	7.36	-2.34	1280.33	-720.36	-715.61	1275.57	-97.38
1	70	696	6.95	2.27	2.27	6.95	-1.39e-02	1360.94	-321.63	-318.54	1357.85	-72.02
1	70	697	6.10	0.61	0.62	6.10	0.14	1421.53	-93.41	-91.56	1419.67	-52.95
1	70	698	5.38	0.32	0.32	5.38	6.71e-02	1437.05	31.68	32.49	1436.24	-33.68
1	70	699	5.01	0.28	0.28	5.01	-8.27e-03	1436.25	90.44	90.58	1436.11	-13.67
1	70	700	5.00	0.30	0.30	5.00	-8.14e-02	1435.28	100.79	100.83	1435.24	6.72
1	70	701	5.36	0.37	0.38	5.36	-0.17	1436.98	66.02	66.56	1436.45	27.13
1	70	702	6.13	0.67	0.68	6.11	-0.28	1431.31	-23.88	-22.34	1429.77	47.28
1	70	703	7.23	2.22	2.23	7.22	-0.27	1397.21	-191.93	-189.05	1394.33	67.62
1	70	704	12.63	7.99	12.19	8.43	1.37	1370.93	-473.30	-469.39	1367.02	84.87
1	70	705	27.53	-14.31	27.53	-14.31	0.29	1026.77	-1286.77	-1279.72	1019.72	127.55
1	70	706	10.43	-7.73	10.26	-7.56	1.75	-132.80	-682.40	-625.88	-189.31	166.94
1	70	707	23.39	-26.13	23.32	-26.07	-1.81	641.16	-1686.99	-1679.55	633.72	131.39
1	70	708	11.34	5.63	11.20	5.76	-0.87	1230.64	-564.08	-554.33	1220.89	131.90
1	70	709	6.11	2.03	2.03	6.11	-0.13	1348.67	-215.64	-206.57	1339.61	118.75
1	70	710	5.45	0.70	0.70	5.45	2.43e-02	1425.45	-17.91	-12.24	1419.78	90.29
1	70	711	4.88	0.47	0.48	4.88	6.70e-02	1451.65	89.14	91.61	1449.18	57.88
1	70	712	4.59	0.45	0.45	4.59	6.18e-02	1456.53	139.14	139.58	1456.09	23.86
1	70	713	4.59	0.47	0.47	4.59	3.87e-02	1456.48	147.98	148.07	1456.39	-10.64
1	70	714	4.89	0.53	0.53	4.89	2.23e-02	1454.36	118.55	120.06	1452.85	-44.93
1	70	715	5.52	0.77	0.77	5.52	3.94e-02	1439.82	42.10	46.47	1435.45	-78.08
1	70	716	6.44	2.04	2.05	6.44	0.14	1391.01	-102.12	-94.25	1383.14	-108.11
1	70	717	11.13	6.92	11.02	7.02	0.66	1331.65	-344.24	-334.83	1322.24	-125.25
1	70	718	22.62	-12.12	22.53	-12.03	1.83	978.63	-1078.60	-1069.20	969.23	-138.74



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1	70	719	16.58	-14.11	16.42	-13.95	2.21	-443.62	-1152.65	-1103.65	-492.62	179.84
1	70	720	9.36	-8.49	-5.03	5.90	-7.06	490.74	-1286.82	-1038.52	242.44	616.20
1	70	721	5.91	-0.52	-0.50	5.89	0.34	1133.66	-672.81	-616.07	1076.92	315.09
1	70	722	6.34	0.86	1.00	6.20	0.86	1338.23	-263.88	-255.29	1329.65	116.95
1	70	723	5.62	0.57	0.66	5.52	0.69	1414.96	-56.56	-54.80	1413.20	50.84
1	70	724	5.03	0.45	0.48	4.99	0.39	1439.16	53.46	53.78	1438.83	21.25
1	70	725	4.71	0.44	0.44	4.71	0.11	1442.82	104.72	104.76	1442.78	7.33
1	70	726	4.69	0.46	0.47	4.68	-0.18	1442.65	113.40	113.40	1442.65	-0.90
1	70	727	4.95	0.52	0.57	4.90	-0.49	1441.58	82.11	82.20	1441.49	-11.02
1	70	728	5.49	0.68	0.84	5.33	-0.86	1429.14	0.61	1.31	1428.44	-31.54
1	70	729	6.20	1.06	1.40	5.85	-1.28	1381.20	-160.60	-156.53	1377.13	-79.08
1	70	730	6.05	-4.04e-02	0.57	5.43	-1.83	1234.63	-482.44	-449.46	1201.66	-235.65
1	70	731	6.24	-7.68	-3.77e-02	-1.41	6.93	811.06	-1055.18	-904.16	660.04	-508.95
1	70	732	12.20	-7.23	12.18	-7.21	0.71	-329.10	-1175.83	-1109.86	-395.06	-226.94
1	70	733	1.28	-11.46	-10.00	-0.18	4.06	367.13	-665.70	-312.46	13.89	489.96
1	70	734	5.88	-0.61	-0.45	5.72	-1.02	678.45	-403.48	-137.62	412.59	465.79
1	70	735	5.96	-0.73	-0.40	5.63	1.45	1101.26	-279.08	-140.82	963.01	414.39
1	70	736	4.89	0.59	0.99	4.48	1.25	1280.89	-63.04	-18.57	1236.42	240.39
1	70	737	4.48	0.70	0.98	4.20	0.99	1374.78	59.87	73.76	1360.89	134.46
1	70	738	4.17	0.74	0.85	4.06	0.60	1413.56	127.49	131.18	1409.86	68.80
1	70	739	3.98	0.78	0.79	3.97	0.19	1425.56	159.04	159.57	1425.03	25.85
1	70	740	3.94	0.81	0.83	3.93	-0.20	1426.83	163.90	163.96	1426.78	-8.34
1	70	741	4.03	0.84	0.95	3.92	-0.59	1420.19	143.28	144.94	1418.53	-46.01
1	70	742	4.18	0.89	1.19	3.88	-0.95	1394.98	90.12	97.89	1387.20	-100.43
1	70	743	4.11	0.96	1.33	3.74	-1.01	1327.04	-13.98	13.18	1299.88	-188.90
1	70	744	3.69	-0.36	-0.33	3.67	0.32	1175.55	-212.56	-122.38	1085.36	-342.13
1	70	745	7.93	-4.49	-4.26	7.70	-1.68	832.32	-391.78	-155.66	596.20	-482.99
1	70	746	-1.09	-7.30	-4.51	-3.87	-3.09	373.68	-636.50	-279.55	16.74	-482.88
1	70	747	1.92	-3.83	-2.64	0.73	2.33	801.59	-126.04	468.65	206.90	444.97
1	70	748	2.89	-2.43	-2.30	2.76	0.83	844.68	26.98	396.31	475.35	406.94
1	70	749	2.35	-0.28	-0.12	2.19	0.63	1026.91	129.17	295.99	860.10	349.18
1	70	750	2.87	0.70	1.15	2.42	0.88	1201.86	189.97	250.48	1141.35	239.93
1	70	751	3.13	0.96	1.29	2.80	0.77	1313.08	218.32	238.49	1292.91	147.23
1	70	752	3.15	1.09	1.22	3.03	0.50	1369.25	231.83	237.51	1363.57	80.21
1	70	753	3.13	1.15	1.16	3.11	0.18	1391.38	237.51	238.34	1390.56	30.89
1	70	754	3.09	1.17	1.18	3.08	-0.13	1394.27	237.82	237.92	1394.16	-11.18
1	70	755	3.03	1.18	1.27	2.94	-0.40	1380.45	232.83	235.64	1377.65	-56.63
1	70	756	2.85	1.14	1.36	2.63	-0.56	1339.22	220.38	232.66	1326.94	-116.59
1	70	757	2.36	0.98	1.13	2.21	-0.44	1249.21	194.96	235.20	1208.97	-201.99
1	70	758	2.38	-0.48	-0.46	2.36	-0.23	1089.76	147.25	265.00	972.01	-311.63
1	70	759	2.92	-2.79	-2.60	2.72	-1.04	886.43	65.69	348.14	603.98	-389.92
1	70	760	2.28	-3.69	-2.32	0.90	-2.51	788.08	-121.42	465.48	201.18	-435.13
1	70	761	0.39	-2.87	-2.74	0.26	0.63	924.84	168.48	828.37	264.94	252.30
1	70	762	0.90	-1.79	-1.70	0.81	0.48	862.05	358.38	718.29	502.14	227.47
1	70	763	1.21	-9.10e-02	-2.41e-02	1.15	0.29	937.47	455.26	561.75	830.99	200.02
1	70	764	1.64	0.92	1.06	1.50	0.28	1119.65	410.57	444.89	1085.33	152.18
1	70	765	2.08	1.28	1.40	1.95	0.28	1254.00	360.19	371.99	1242.20	102.02
1	70	766	2.35	1.38	1.42	2.31	0.21	1327.05	327.97	331.49	1323.54	59.17
1	70	767	2.49	1.38	1.38	2.48	9.04e-02	1358.07	311.77	312.29	1357.55	23.46
1	70	768	2.48	1.38	1.38	2.48	-2.81e-02	1362.23	308.55	308.63	1362.15	-9.04
1	70	769	2.32	1.39	1.40	2.31	-0.11	1342.02	317.72	319.56	1340.19	-43.34
1	70	770	2.02	1.33	1.34	2.00	-0.10	1286.16	341.48	349.02	1278.61	-84.10
1	70	771	1.68	0.92	0.92	1.68	-2.53e-02	1174.09	383.91	407.01	1151.00	-133.11
1	70	772	1.52	-0.17	-0.17	1.52	-9.62e-02	998.76	438.84	506.97	930.64	-183.04
1	70	773	1.39	-1.64	-1.51	1.26	-0.61	852.88	419.09	650.45	621.52	-216.41
1	70	774	0.74	-2.80	-2.50	0.44	-0.99	915.92	164.19	824.19	255.92	-246.05
1	70	775	8.25e-02	-2.86	-2.86	7.94e-02	-9.54e-02	937.63	273.53	936.48	274.68	27.57
1	70	776	0.44	-1.58	-1.57	0.43	-0.13	822.15	508.80	820.23	510.72	24.45
1	70	777	0.91	1.49e-02	9.79e-02	0.83	-0.26	833.13	650.04	654.22	828.94	27.35
1	70	778	1.49	0.81	1.03	1.27	-0.32	1073.52	523.35	525.19	1071.68	31.81
1	70	779	1.85	1.24	1.36	1.73	-0.24	1224.75	437.49	438.61	1223.63	29.64
1	70	780	2.08	1.39	1.42	2.06	-0.12	1304.96	386.16	386.64	1304.48	21.03
1	70	781	2.23	1.40	1.40	2.23	-2.80e-02	1339.25	360.60	360.69	1339.16	9.18
1	70	782	2.25	1.38	1.38	2.24	5.72e-02	1343.77	356.02	356.04	1343.75	-3.76
1	70	783	2.16	1.32	1.36	2.12	0.17	1321.12	371.70	371.99	1320.84	-16.49
1	70	784	2.00	1.12	1.25	1.88	0.31	1259.71	411.04	411.90	1258.85	-27.10
1	70	785	1.75	0.70	0.88	1.57	0.40	1136.52	481.93	483.50	1134.95	-32.05
1	70	786	1.34	-9.70e-03	6.94e-02	1.27	0.32	928.53	593.53	596.02	926.04	-28.75
1	70	787	0.84	-1.11	-1.11	0.84	7.64e-02	753.16	626.90	749.00	631.06	-22.54
1	70	788	0.20	-2.62	-2.62	0.20	-9.39e-02	933.70	266.56	932.89	267.36	-23.15
1	70	789	0.42	-2.94	-2.69	0.16	-0.89	870.15	193.02	813.81	249.36	-187.02
1	70	790	1.40	-1.66	-1.51	1.26	-0.65	814.18	409.08	717.62	505.64	-172.61
1	70	791	1.75	-0.25	0.25	1.25	-0.86	907.79	526.42	583.19	851.01	-135.76
1	70	792	2.38	0.34	0.98	1.75	-0.95	1107.46	482.37	492.28	1097.55	-78.08
1	70	793	2.47	0.79	1.15	2.12	-0.69	1239.93	431.95	433.75	1238.13	-38.02
1	70	794	2.40	1.09	1.21	2.28	-0.38	1310.12	395.84	396.13	1309.83	-16.28



1	70	795	2.36	1.22	1.23	2.35	-0.12	1339.97	375.96	375.99	1339.95	-5.17
1	70	796	2.37	1.20	1.21	2.37	0.10	1343.74	372.36	372.37	1343.73	1.92
1	70	797	2.43	1.06	1.15	2.33	0.35	1323.81	385.05	385.17	1323.69	10.58
1	70	798	2.50	0.77	1.04	2.23	0.63	1270.27	414.03	414.89	1269.41	27.17
1	70	799	2.43	0.40	0.84	1.98	0.84	1163.10	458.41	463.56	1157.95	60.04
1	70	800	2.13	-0.19	0.20	1.74	0.86	983.65	510.74	540.22	954.17	114.34
1	70	801	1.68	-1.26	-1.03	1.45	0.79	812.77	482.43	657.73	637.46	164.86
1	70	802	0.50	-2.54	-2.36	0.32	0.72	869.73	188.97	811.44	247.25	190.48
1	70	803	0.36	-5.81	-5.59	0.14	-1.14	594.31	-61.29	385.64	147.37	-305.38
1	70	804	3.32	0.17	0.42	3.07	-0.85	765.36	141.67	428.72	478.31	-310.86
1	70	805	3.96	-0.53	0.14	3.29	-1.60	1014.24	271.74	361.22	924.77	-241.72
1	70	806	3.89	-3.37e-02	0.59	3.27	-1.43	1179.40	355.50	378.62	1156.28	-136.07
1	70	807	3.29	0.45	0.72	3.02	-0.83	1281.56	372.50	378.92	1275.14	-76.12
1	70	808	2.89	0.80	0.89	2.80	-0.43	1334.52	369.17	370.78	1332.92	-39.30
1	70	809	2.71	0.97	0.98	2.69	-0.14	1356.35	363.25	363.46	1356.14	-14.50
1	70	810	2.70	0.97	0.97	2.69	9.44e-02	1358.82	361.93	361.96	1358.79	5.83
1	70	811	2.86	0.80	0.86	2.80	0.36	1344.00	366.32	367.12	1343.20	27.93
1	70	812	3.20	0.48	0.68	3.00	0.71	1303.94	371.84	375.55	1300.24	58.62
1	70	813	3.68	6.36e-02	0.52	3.23	1.20	1223.05	364.82	378.48	1209.38	107.42
1	70	814	3.28	-7.32e-02	0.28	2.93	1.02	1081.16	307.87	359.89	1029.15	193.69
1	70	815	5.80	-1.71	-0.90	4.99	2.33	869.25	185.88	392.19	662.94	313.72
1	70	816	-0.29	-2.95	-2.86	-0.38	0.49	613.02	-49.97	404.82	158.22	307.71
1	70	817	8.47	-2.87	7.91	-2.31	2.46	-88.46	-365.07	-201.77	-251.76	-136.03
1	70	818	5.32	-3.94	-1.00	2.38	4.31	739.42	-382.03	-141.16	498.55	-460.55
1	70	819	6.69	-1.82	-0.15	5.02	-3.38	1068.58	63.61	119.98	1012.21	-231.24
1	70	820	5.05	-0.47	-0.34	4.92	-0.83	1229.33	244.39	259.95	1213.76	-122.84
1	70	821	3.89	0.28	0.32	3.85	-0.40	1319.82	308.75	314.62	1313.96	-76.80
1	70	822	3.28	0.64	0.66	3.26	-0.21	1363.11	330.21	332.10	1361.22	-44.12
1	70	823	3.02	0.80	0.80	3.02	-7.74e-02	1379.73	335.61	335.90	1379.44	-17.35
1	70	824	3.00	0.80	0.80	3.00	3.52e-02	1381.34	336.12	336.17	1381.29	7.27
1	70	825	3.21	0.64	0.65	3.20	0.15	1369.93	333.54	334.58	1368.89	32.82
1	70	826	3.74	0.31	0.34	3.71	0.32	1337.72	321.06	324.92	1333.86	62.56
1	70	827	4.78	-0.35	-0.25	4.67	0.72	1268.02	279.44	290.09	1257.36	102.08
1	70	828	6.63	-1.85	-0.53	5.30	3.08	1141.53	158.08	195.46	1104.16	188.05
1	70	829	3.95	-2.22	2.56	-0.82	-2.58	908.04	-171.72	-35.90	772.22	358.05
1	70	830	6.05	-3.03	2.90	0.13	-4.32	-50.35	-393.76	-238.77	-205.34	170.89
1	70	831	27.30	-6.42	27.23	-6.35	1.55	762.80	-346.42	-324.20	740.59	-155.40
1	70	832	12.25	-0.49	-0.32	12.07	1.48	1129.58	65.03	73.21	1121.40	-92.92
1	70	833	5.11	0.57	0.57	5.10	0.11	1240.99	222.57	230.26	1233.31	-88.14
1	70	834	3.87	0.42	0.42	3.87	1.09e-02	1333.35	283.84	287.95	1329.24	-65.55
1	70	835	3.35	0.64	0.64	3.35	-2.15e-02	1377.44	308.70	310.31	1375.83	-41.44
1	70	836	3.12	0.77	0.77	3.12	-2.04e-02	1393.82	316.63	316.90	1393.55	-17.06
1	70	837	3.10	0.77	0.77	3.10	-6.69e-03	1395.39	317.53	317.58	1395.34	7.32
1	70	838	3.28	0.64	0.64	3.28	-8.91e-03	1384.27	313.14	314.09	1383.32	31.88
1	70	839	3.74	0.40	0.40	3.73	-4.49e-02	1351.88	297.61	300.65	1348.84	56.52
1	70	840	4.79	0.45	0.46	4.79	-0.14	1281.74	257.10	263.40	1275.44	80.11
1	70	841	10.36	-7.21e-02	0.10	10.19	-1.33	1193.50	143.45	151.05	1185.91	88.99
1	70	842	19.41	5.45	19.16	5.70	-1.85	938.76	18.57	38.18	919.15	132.90
1	70	843	6.28	-1.36	3.51	1.41	-3.67	-384.36	-585.68	-510.07	-459.97	-97.49
1	70	844	3.36	-5.84	-0.88	-1.60	-4.59	618.39	-396.78	-333.88	555.49	244.75
1	70	845	6.03	-2.42	0.28	3.33	3.94	1021.39	30.83	30.88	1021.35	6.80
1	70	846	4.87	-0.48	-0.26	4.66	1.05	1235.57	196.74	200.11	1232.21	-59.00
1	70	847	3.90	0.35	0.38	3.87	0.37	1338.36	266.31	269.25	1335.41	-56.13
1	70	848	3.39	0.66	0.67	3.38	0.11	1385.24	293.37	294.76	1383.86	-38.87
1	70	849	3.17	0.79	0.79	3.17	1.55e-02	1402.59	302.50	302.75	1402.34	-16.59
1	70	850	3.15	0.79	0.79	3.15	-3.20e-02	1404.32	303.54	303.59	1404.27	7.20
1	70	851	3.31	0.66	0.67	3.31	-0.12	1392.73	298.05	298.91	1391.87	30.61
1	70	852	3.76	0.35	0.39	3.72	-0.34	1358.49	279.94	282.36	1356.08	51.01
1	70	853	4.62	-0.38	-0.21	4.45	-0.91	1280.32	231.63	235.22	1276.73	61.26
1	70	854	5.62	-1.98	-0.17	3.81	-3.24	1113.38	118.68	118.98	1113.08	17.28
1	70	855	2.33	-2.58	2.09	-2.34	1.06	841.23	-197.27	-185.97	829.94	-107.72
1	70	856	6.92	-4.45	1.32	1.14	5.69	-374.49	-544.46	-529.47	-389.49	48.20
1	70	857	2.65	-6.29	-4.72	1.08	3.40	213.06	65.31	157.33	121.05	71.61
1	70	858	5.06	-1.23	-1.07	4.90	1.00	483.04	157.60	203.30	437.33	113.07
1	70	859	2.97	-0.39	-0.34	2.91	0.42	949.10	147.60	151.03	945.68	52.31
1	70	860	3.61	0.41	0.78	3.24	1.02	1206.91	213.86	214.45	1206.32	-24.26
1	70	861	3.41	0.71	0.83	3.29	0.55	1338.51	245.80	247.41	1336.90	-41.96
1	70	862	3.26	0.85	0.87	3.24	0.23	1399.37	261.42	262.44	1398.36	-33.97
1	70	863	3.19	0.89	0.89	3.19	6.50e-02	1422.21	267.96	268.17	1422.01	-15.40
1	70	864	3.17	0.89	0.89	3.17	-5.13e-02	1424.87	268.52	268.56	1424.83	6.53
1	70	865	3.20	0.84	0.86	3.18	-0.22	1410.22	263.57	264.22	1409.56	27.46
1	70	866	3.32	0.67	0.78	3.22	-0.52	1366.15	250.98	252.54	1364.59	41.68
1	70	867	3.48	0.36	0.66	3.18	-0.92	1265.78	224.64	225.96	1264.45	37.15
1	70	868	2.70	-0.21	-0.19	2.68	-0.22	1059.56	166.73	166.90	1059.40	-12.26
1	70	869	5.87	-2.70	-2.32	5.48	-1.77	673.43	137.71	168.67	642.47	-125.02
1	70	870	1.79	-3.24	-1.81	0.36	-2.27	232.94	68.96	176.68	125.22	-77.85



1	70	871	1.15	-2.34	-1.91	0.72	1.14	468.34	219.56	465.11	222.79	-28.18
1	70	872	2.54	-1.71	-1.54	2.38	0.82	489.65	385.48	388.66	486.47	-17.92
1	70	873	2.33	-0.13	-3.58e-02	2.23	0.48	882.21	283.81	285.37	880.65	-30.46
1	70	874	2.58	0.93	1.02	2.49	0.38	1177.31	235.08	237.93	1174.47	-51.71
1	70	875	2.96	1.11	1.14	2.93	0.23	1337.70	225.47	227.85	1335.32	-51.39
1	70	876	3.18	1.05	1.05	3.17	9.51e-02	1412.13	228.25	229.38	1411.00	-36.53
1	70	877	3.26	0.99	0.99	3.26	3.50e-02	1440.36	231.67	231.88	1440.14	-16.03
1	70	878	3.24	0.99	0.99	3.24	1.88e-03	1443.97	231.73	231.76	1443.94	6.05
1	70	879	3.12	1.04	1.05	3.12	-7.29e-02	1426.37	227.77	228.42	1425.72	27.85
1	70	880	2.91	1.06	1.09	2.87	-0.24	1372.57	221.98	223.87	1370.68	46.51
1	70	881	2.64	0.77	0.87	2.53	-0.43	1248.04	223.05	225.96	1245.13	54.54
1	70	882	2.65	-0.37	-0.26	2.54	-0.55	1003.25	254.39	256.56	1001.09	40.18
1	70	883	2.70	-1.75	-1.63	2.58	-0.72	628.61	338.95	340.00	627.56	17.42
1	70	884	1.12	-1.73	-1.53	0.92	-0.73	463.81	215.16	461.92	217.06	21.62
1	70	885	1.09	-2.54	-2.20	0.75	-1.06	525.21	86.86	398.44	213.62	-198.74
1	70	886	2.49	-1.79	-1.78	2.48	0.24	603.22	202.57	324.04	481.75	-184.15
1	70	887	2.35	0.19	0.19	2.35	9.30e-02	919.02	185.00	222.90	881.13	-162.43
1	70	888	2.80	1.15	1.20	2.75	-0.27	1196.22	166.10	178.59	1183.74	-112.72
1	70	889	3.24	1.16	1.20	3.20	-0.26	1355.75	169.87	174.20	1351.42	-71.50
1	70	890	3.47	1.04	1.05	3.46	-0.16	1430.65	181.91	183.22	1429.33	-40.52
1	70	891	3.55	0.95	0.95	3.55	-2.99e-02	1458.84	190.76	190.97	1458.63	-16.30
1	70	892	3.53	0.96	0.96	3.52	9.39e-02	1462.55	191.84	191.86	1462.53	5.15
1	70	893	3.40	1.06	1.08	3.38	0.19	1445.44	184.27	184.89	1444.83	27.92
1	70	894	3.11	1.20	1.23	3.08	0.22	1392.09	170.28	172.89	1389.47	56.46
1	70	895	2.62	1.15	1.15	2.62	4.07e-02	1268.02	158.09	166.44	1259.67	95.92
1	70	896	2.59	-0.18	-0.13	2.54	-0.36	1029.15	166.07	192.00	1003.22	147.33
1	70	897	2.58	-2.03	-2.03	2.58	-0.14	692.01	199.16	275.53	615.63	178.35
1	70	898	1.32	-2.42	-1.99	0.89	1.20	511.10	87.76	394.33	204.53	189.20
1	70	899	0.56	-8.99	-8.24	-0.19	-2.57	284.10	-305.75	-93.30	71.65	-283.16
1	70	900	4.34	-1.04	-0.43	3.74	1.70	568.63	-131.82	0.26	436.55	-273.99
1	70	901	5.07	4.93e-03	0.35	4.73	-1.27	1008.83	-94.97	-32.17	946.03	-255.69
1	70	902	4.35	0.88	1.05	4.18	-0.76	1253.71	10.71	25.74	1238.68	-135.85
1	70	903	4.18	0.91	1.02	4.08	-0.57	1390.88	81.42	84.90	1387.40	-67.47
1	70	904	4.08	0.82	0.85	4.05	-0.31	1452.42	127.27	127.99	1451.70	-30.79
1	70	905	4.03	0.76	0.76	4.02	-6.59e-02	1474.20	151.19	151.28	1474.10	-11.11
1	70	906	4.01	0.77	0.78	4.00	0.16	1476.94	155.05	155.06	1476.93	2.30
1	70	907	4.03	0.86	0.91	3.98	0.40	1464.20	139.01	139.26	1463.96	18.06
1	70	908	4.04	1.01	1.15	3.90	0.63	1422.24	101.02	102.62	1420.64	45.96
1	70	909	11.44	-3.64	-2.63	10.44	3.76	987.94	-1102.75	-730.92	616.11	799.45
1	70	910	-0.97	-5.04	-2.05	-3.97	1.80	326.42	-1424.62	-998.05	-100.15	751.65
1	70	911	3.86	-32.83	-23.82	-5.14	15.79	336.95	-556.77	-532.05	312.23	146.58
1	70	912	21.03	-23.06	20.82	-22.85	3.07	990.53	-1910.18	-1910.17	990.52	-5.70
1	70	913	0.89	-9.76	-9.11	0.23	-2.56	871.17	-2554.09	-2553.30	870.38	-52.02
1	70	914	5.02	-13.52	-9.38	0.89	-7.72	873.53	-2546.80	-2545.28	872.00	-72.12
1	70	915	2.24e-03	-18.24	-2.57	-15.67	-6.34	552.32	-690.05	-689.46	551.73	-27.04
1	70	916	4.42	-11.14	-8.44	1.73	5.89	771.69	-2163.84	-2163.26	771.12	41.14
1	70	917	7.58	0.19	3.70	4.06	3.69	195.18	-218.98	45.94	-69.75	-198.83
1	70	918	0.64	-6.46	-5.11	-0.71	-2.79	909.68	-143.04	842.58	-75.94	-257.16
1	70	919	-0.77	-6.72	-6.71	-0.77	4.74e-02	1254.17	-65.97	1234.54	-46.35	-159.75
1	70	920	-0.20	-6.09	-6.08	-0.21	8.78e-02	1400.73	-41.68	1397.24	-38.19	-70.87
1	70	921	-8.03e-02	-5.59	-5.59	-8.04e-02	2.65e-02	1428.24	-36.83	1427.99	-36.58	19.18
1	70	922	-7.74e-02	-5.29	-5.29	-7.75e-02	-2.25e-02	1354.90	-46.09	1346.25	-37.44	109.74
1	70	923	-0.15	-5.01	-5.01	-0.15	-5.35e-02	1170.11	-72.91	1137.39	-40.19	199.01
1	70	924	-0.46	-4.36	-4.36	-0.46	-1.75e-02	840.95	-135.62	751.09	-45.77	282.27
1	70	925	-1.30	-2.54	-2.24	-1.60	0.53	366.10	-345.97	80.05	-59.92	349.09
1	70	926	38.78	-3.43	26.77	8.58	-19.05	-179.59	-3253.63	-3245.21	-188.01	-160.68
1	70	927	20.81	-26.20	12.09	-17.47	-18.28	-532.97	-1224.16	-1221.65	-535.48	-41.61
1	70	928	34.03	-31.27	16.42	-13.67	28.98	-574.06	-3016.67	-2988.08	-602.65	262.70
1	70	929	11.54	-3.78	2.33	5.43	-7.50	189.59	-1032.19	-835.51	-7.09	-449.02
1	70	930	-0.77	-3.88	-3.76	-0.89	-0.59	437.95	-272.20	219.72	-53.97	-327.65
1	70	931	-0.36	-5.08	-5.08	-0.36	2.22e-02	884.35	-114.02	816.29	-45.95	-251.63
1	70	932	-0.13	-5.26	-5.26	-0.13	5.88e-02	1164.70	-63.57	1142.48	-41.35	-163.71
1	70	933	-7.92e-02	-5.14	-5.14	-7.94e-02	3.06e-02	1294.44	-42.85	1290.66	-39.07	-71.02
1	70	934	-7.94e-02	-4.99	-4.99	-7.94e-02	-4.60e-03	1301.57	-38.85	1301.20	-38.48	22.17
1	70	935	-0.14	-4.78	-4.78	-0.14	-3.43e-02	1190.06	-50.10	1179.58	-39.63	113.50
1	70	936	-0.41	-4.27	-4.27	-0.41	-1.93e-02	937.62	-84.01	897.15	-43.55	199.26
1	70	937	-1.38	-2.73	-2.61	-1.50	0.38	506.27	-187.62	374.93	-56.27	271.82
1	70	938	6.82	-4.77	3.36	-1.31	5.30	72.50	-775.55	-616.60	-86.45	330.96
1	70	939	30.00	2.45	20.66	11.79	-13.04	-92.99	-2339.71	-2338.68	-94.03	-48.21
1	70	940	25.40	-20.22	11.72	-6.54	20.90	-410.90	-2124.40	-2106.13	-429.18	176.00
1	70	941	7.83	-3.70	0.83	3.29	-5.63	158.23	-536.42	-347.97	-30.21	-308.85
1	70	942	-0.76	-4.55	-4.49	-0.82	-0.47	554.72	-118.88	489.62	-53.78	-199.03
1	70	943	-0.33	-5.87	-5.87	-0.33	-1.67e-02	932.51	-61.28	919.13	-47.90	-114.54
1	70	944	-0.18	-6.18	-6.18	-0.18	1.05e-02	1081.94	-46.46	1081.58	-46.10	-20.13
1	70	945	-0.24	-5.82	-5.81	-0.24	6.31e-02	1026.58	-52.14	1021.23	-46.78	75.80
1	70	946	-4.99e-02	-4.00	-3.89	-0.16	0.66	754.41	-82.20	719.52	-47.31	167.25



1	70	947	11.28	-0.69	3.69	6.90	5.77	372.09	-249.40	102.70	19.99	307.98
1	70	948	18.74	-32.43	10.75	-24.45	-18.57	-657.22	-1192.91	-1183.19	-666.94	-71.50
1	70	949	9.57	0.33	4.77	5.12	4.61	189.10	-208.80	-20.15	0.46	198.68
1	70	950	29.98	-21.93	20.26	-12.21	20.25	-470.76	-1889.13	-1881.60	-478.30	103.10
1	70	951	12.23	-1.28	6.80	4.16	-6.62	256.84	-554.90	-280.89	-17.18	-383.86
1	70	952	-0.55	-2.36	-2.07	-0.83	-0.66	621.08	-154.89	514.74	-48.55	-266.84
1	70	953	-0.35	-4.51	-4.51	-0.35	-2.90e-02	993.43	-76.13	958.86	-41.56	-189.15
1	70	954	-0.13	-5.25	-5.25	-0.13	2.33e-02	1200.05	-46.88	1191.34	-38.17	-103.84
1	70	955	-8.66e-02	-5.50	-5.50	-8.66e-02	3.07e-04	1277.79	-37.22	1277.62	-37.06	-14.85
1	70	956	-0.11	-5.59	-5.59	-0.11	-2.59e-02	1244.29	-42.00	1239.95	-37.66	74.58
1	70	957	-0.23	-5.35	-5.35	-0.23	1.36e-02	1090.36	-63.33	1067.24	-40.21	161.70
1	70	958	-0.15	-3.87	-3.77	-0.25	0.60	782.16	-115.68	709.61	-43.12	244.70
1	70	959	11.60	-1.18	3.62	6.80	6.19	425.53	-338.91	66.04	20.57	381.54
1	70	960	20.13	-31.42	12.49	-23.78	-18.31	-651.96	-1213.41	-1213.09	-652.28	-13.42
1	70	961	18.36	-25.53	10.77	-17.95	-16.60	-495.91	-1273.91	-1234.79	-535.02	-170.01
1	70	962	28.01	-23.22	18.31	-13.52	20.07	-477.84	-1872.30	-1850.66	-499.49	172.38
1	70	963	12.02	-0.24	7.32	4.46	-5.96	192.24	-457.36	-252.72	-12.40	-301.75
1	70	964	-0.29	-2.10	-1.72	-0.67	-0.74	574.39	-106.85	519.47	-51.93	-185.47
1	70	965	-0.37	-4.54	-4.54	-0.37	-9.05e-02	920.81	-58.87	910.29	-48.35	-100.97
1	70	966	-0.33	-5.31	-5.31	-0.33	-1.15e-02	1025.07	-47.86	1025.00	-47.79	-8.61
1	70	967	-0.82	-4.99	-4.99	-0.83	0.17	894.39	-60.54	887.15	-53.30	82.86
1	70	968	2.19	-4.28	-1.83	-0.26	3.14	470.79	-127.63	413.44	-70.29	176.14
1	70	969	12.69	-3.48	4.78	4.43	-8.08	-130.83	-689.46	-688.55	-131.73	22.49
1	70	970	11.88	6.11	7.47	10.51	2.45	1.43	-832.03	-831.76	1.16	14.99
1	70	971	1.73	-3.03	0.56	-1.85	-2.05	148.84	-99.41	138.19	-88.75	-50.31
1	70	972	-1.01	-2.71	-2.70	-1.02	-0.14	518.45	-57.84	518.41	-57.80	4.39
1	70	973	-0.21	-2.06	-1.84	-0.43	0.61	461.95	-65.21	448.91	-52.17	81.88
1	70	974	9.17	-4.55	4.75	-0.12	6.41	59.61	-1285.05	-1148.17	-77.26	406.59
1	70	975	3.43	-34.89	-26.08	-5.38	-16.12	337.88	-545.91	-524.12	316.09	-137.03
1	70	976	0.17	-20.19	-2.47	-17.56	6.83	568.81	-677.58	-677.03	568.27	26.14
1	70	977	5.55	-13.40	-8.25	0.39	8.43	882.61	-2548.52	-2546.78	880.87	77.26
1	70	978	21.77	-26.65	21.41	-26.29	-4.13	1013.50	-1882.05	-1882.04	1013.48	7.15
1	70	979	37.33	-28.53	36.74	-27.93	-6.22	1269.61	-2610.71	-2610.62	1269.52	18.97
1	70	980	1.02	-9.46	-8.19	-0.24	3.41	879.89	-2554.06	-2552.94	878.77	61.95
1	70	981	4.06	-10.35	-7.55	1.26	-5.70	779.62	-2165.79	-2165.36	779.18	-35.70
1	70	982	6.32	-5.19	-0.32	1.45	-5.68	184.70	-237.63	68.55	-121.48	188.58
1	70	983	1.13	-5.75	-4.42	-0.20	2.72	921.03	-132.43	854.18	-65.58	256.83
1	70	984	-0.53	-6.68	-6.68	-0.53	-5.23e-02	1255.45	-64.35	1235.93	-44.83	159.32
1	70	985	-0.16	-6.08	-6.08	-0.16	-8.00e-02	1401.68	-41.62	1398.20	-38.15	70.73
1	70	986	-7.36e-02	-5.64	-5.64	-7.37e-02	-2.13e-02	1428.89	-36.97	1428.63	-36.71	-19.54
1	70	987	-7.58e-02	-5.45	-5.45	-7.60e-02	2.97e-02	1355.26	-46.33	1346.52	-37.59	-110.32
1	70	988	-0.15	-5.35	-5.35	-0.15	6.43e-02	1169.98	-73.33	1137.02	-40.37	-199.74
1	70	989	-0.40	-4.98	-4.98	-0.40	1.34e-02	839.34	-136.13	748.98	-45.77	-282.81
1	70	990	-0.90	-3.18	-3.00	-1.08	-0.61	359.32	-345.42	71.60	-57.70	-346.39
1	70	991	11.89	-3.47	8.61	-0.18	-6.30	57.93	-1281.30	-1154.12	-69.25	-392.62
1	70	992	41.17	-4.65	25.09	11.43	21.87	-203.57	-3243.47	-3233.47	-213.57	174.05
1	70	993	36.07	-34.04	14.88	-12.85	-32.19	-608.26	-3014.68	-2979.02	-643.92	-290.74
1	70	994	13.27	-1.80	5.85	5.62	7.54	186.66	-1027.51	-843.99	3.14	434.91
1	70	995	-0.20	-4.86	-4.77	-0.29	0.62	431.76	-270.74	212.26	-51.24	325.60
1	70	996	-0.28	-5.78	-5.78	-0.28	-2.33e-02	883.28	-114.49	814.72	-45.93	252.40
1	70	997	-0.13	-5.64	-5.63	-0.13	-6.88e-02	1164.75	-63.97	1142.34	-41.56	164.41
1	70	998	-7.64e-02	-5.37	-5.37	-7.66e-02	-3.46e-02	1294.69	-43.09	1290.87	-39.26	71.43
1	70	999	-7.67e-02	-5.18	-5.18	-7.67e-02	6.45e-03	1301.72	-39.02	1301.36	-38.66	-22.03
1	70	1000	-0.13	-5.05	-5.05	-0.13	4.05e-02	1189.81	-50.30	1179.32	-39.80	-113.58
1	70	1001	-0.36	-4.71	-4.71	-0.36	1.46e-02	936.11	-84.11	895.57	-43.58	-199.28
1	70	1002	-1.00	-3.18	-3.09	-1.09	-0.44	499.56	-185.57	368.56	-54.57	-269.43
1	70	1003	9.02	-3.91	6.43	-1.32	-5.18	69.14	-768.75	-619.64	-79.97	-320.47
1	70	1004	32.04	0.81	18.87	13.98	15.42	-115.24	-2331.63	-2330.08	-116.79	58.52
1	70	1005	27.32	-22.07	10.86	-5.62	-23.28	-435.44	-2120.44	-2097.50	-458.38	-195.24
1	70	1006	9.20	-2.17	3.64	3.40	5.68	151.55	-529.39	-354.51	-23.32	297.49
1	70	1007	-0.32	-5.32	-5.27	-0.37	0.49	549.61	-116.31	485.18	-51.88	196.87
1	70	1008	-0.27	-6.53	-6.53	-0.27	2.18e-02	933.41	-61.29	920.13	-48.00	114.19
1	70	1009	-0.16	-6.81	-6.81	-0.16	-7.31e-04	1085.21	-46.76	1084.89	-46.44	19.14
1	70	1010	-0.19	-6.79	-6.79	-0.19	-2.24e-02	1031.83	-52.70	1026.20	-47.07	-77.95
1	70	1011	0.18	-5.76	-5.71	0.14	-0.50	760.08	-82.28	724.41	-46.61	-169.63
1	70	1012	11.58	-1.07	4.06	6.45	-6.21	364.35	-247.23	100.72	16.40	-302.87
1	70	1013	20.08	-32.57	11.75	-24.24	19.21	-660.37	-1213.85	-1203.56	-670.66	74.74
1	70	1014	19.79	-25.02	12.09	-17.33	16.90	-492.44	-1295.84	-1256.84	-531.44	172.67
1	70	1015	30.67	-23.80	19.69	-12.82	-21.85	-490.16	-1899.38	-1889.64	-499.90	-116.78
1	70	1016	13.28	-1.11	8.29	3.88	6.85	249.83	-549.41	-285.57	-14.00	375.85
1	70	1017	-0.29	-3.87	-3.78	-0.38	0.55	623.49	-154.44	515.99	-46.93	268.47
1	70	1018	-0.27	-5.44	-5.44	-0.27	-5.11e-03	998.64	-77.07	963.33	-41.77	191.64
1	70	1019	-0.12	-5.71	-5.71	-0.12	-3.98e-02	1204.96	-47.42	1196.04	-38.50	105.31
1	70	1020	-7.76e-02	-5.80	-5.80	-7.76e-02	-2.62e-03	1282.60	-37.53	1282.42	-37.35	15.33
1	70	1021	-9.53e-02	-5.96	-5.96	-9.56e-02	3.80e-02	1249.67	-42.35	1245.29	-37.97	-75.12
1	70	1022	-0.16	-6.09	-6.09	-0.16	2.38e-02	1096.99	-63.88	1073.50	-40.39	-163.44



1	70	1023	0.14	-5.37	-5.34	0.10	-0.45	788.90	-115.06	715.74	-41.90	-246.54
1	70	1024	12.06	-1.32	4.19	6.55	-6.58	422.26	-332.23	69.08	20.96	-376.48
1	70	1025	20.69	-32.77	12.33	-24.41	19.42	-671.24	-1223.83	-1223.15	-671.92	19.34
1	70	1026	29.61	-23.62	19.29	-13.30	-21.04	-482.39	-1890.66	-1866.97	-506.08	-181.11
1	70	1027	12.92	-0.45	8.51	3.96	6.29	180.87	-457.19	-263.19	-13.13	293.51
1	70	1028	-0.17	-3.88	-3.77	-0.28	0.62	576.06	-106.98	519.93	-50.85	187.58
1	70	1029	-0.30	-5.74	-5.73	-0.30	4.94e-02	925.05	-59.74	913.98	-48.67	103.79
1	70	1030	-0.28	-6.03	-6.03	-0.28	-1.22e-02	1028.14	-48.16	1028.04	-48.06	10.44
1	70	1031	-0.57	-5.49	-5.49	-0.57	-0.19	894.57	-59.24	887.67	-52.35	-80.79
1	70	1032	2.78	-3.44	-0.60	-5.98e-02	-3.10	470.96	-119.79	416.11	-64.95	-171.44
1	70	1033	13.47	-6.17	2.91	4.39	9.79	-157.68	-682.40	-682.24	-157.84	-9.15
1	70	1034	13.75	6.22	7.76	12.21	-3.04	-3.09	-819.95	-819.72	-3.31	-13.56
1	70	1035	2.68	-2.99	1.72	-2.03	2.13	144.61	-96.19	136.57	-88.15	43.25
1	70	1036	-0.80	-3.96	-3.95	-0.82	0.20	519.45	-57.68	519.33	-57.56	-8.05
1	70	1037	-9.08e-02	-3.98	-3.92	-0.15	-0.47	464.68	-65.50	450.91	-51.73	-84.31
1	70	1038	9.79	-0.21	5.01	4.57	-5.00	177.84	-209.47	-27.67	-3.96	-193.29
1	70	1039	11.19	-1.85	-1.53	10.87	-2.03	398.13	-423.97	247.71	-273.55	317.86
1	70	1040	5.55	-3.30	-1.51	3.75	3.56	295.82	-325.84	208.24	-238.26	-216.27
1	70	1041	34.38	6.75	15.00	26.13	12.64	388.78	5.42	260.65	133.55	180.84
1	70	1042	6.98	-4.08	-4.05	6.95	0.65	959.42	-129.70	-99.15	928.87	179.84
1	70	1043	5.07	-0.77	-0.75	5.05	-0.35	1281.47	-54.53	-32.09	1259.03	171.70
1	70	1044	4.93	-0.13	-0.13	4.93	-0.12	1398.97	-32.49	-21.50	1387.99	124.90
1	70	1045	4.62	-3.98e-02	-3.93e-02	4.62	-4.77e-02	1442.66	-21.42	-17.36	1438.60	76.99
1	70	1046	4.37	-2.76e-02	-2.75e-02	4.37	-1.44e-02	1454.89	-15.91	-15.26	1454.25	30.87
1	70	1047	4.29	-2.70e-02	-2.69e-02	4.29	1.05e-02	1456.04	-15.08	-14.94	1455.91	-14.17
1	70	1048	4.37	-3.77e-02	-3.73e-02	4.37	4.37e-02	1449.39	-18.88	-16.43	1446.94	-59.91
1	70	1049	4.50	-0.12	-0.12	4.50	0.12	1421.70	-28.17	-20.11	1413.64	-107.81
1	70	1050	4.43	-0.76	-0.74	4.41	0.37	1339.86	-48.78	-30.72	1321.80	-157.35
1	70	1051	5.22	-4.49	-4.49	5.22	0.10	1088.00	-126.20	-99.44	1061.24	-178.25
1	70	1052	28.25	8.72	17.69	19.28	-9.73	625.42	150.56	250.35	525.63	-193.46
1	70	1053	6.92	-11.82	-9.76	4.87	-5.86	-152.13	-328.35	-323.43	-157.05	-29.02
1	70	1054	8.88	-13.15	-11.89	7.61	5.13	-112.18	-360.18	-359.54	-112.81	12.51
1	70	1055	14.14	-13.66	14.13	-13.66	0.24	79.53	-890.55	-560.33	-250.70	459.67
1	70	1056	9.38	-6.74	9.10	-6.47	2.10	141.45	-905.24	-577.88	-185.91	-485.26
1	70	1057	8.86	-6.35	-4.50	7.02	-4.97	714.43	-1048.65	-604.98	270.76	765.10
1	70	1058	7.22	0.19	0.19	7.22	-9.72e-02	1191.34	-490.57	-317.85	1018.62	510.55
1	70	1059	6.05	0.88	0.99	5.94	0.74	1330.97	-134.18	-69.77	1266.55	300.38
1	70	1060	5.14	0.58	0.68	5.04	0.67	1389.97	48.85	76.36	1362.46	190.10
1	70	1061	4.53	0.53	0.58	4.49	0.43	1407.75	146.18	155.89	1398.04	110.24
1	70	1062	4.23	0.57	0.58	4.22	0.18	1409.34	191.35	192.93	1407.75	43.87
1	70	1063	4.22	0.61	0.61	4.22	-8.63e-02	1408.88	199.23	199.48	1408.62	-17.52
1	70	1064	4.50	0.64	0.67	4.46	-0.37	1408.88	172.39	177.66	1403.62	-80.51
1	70	1065	5.10	0.75	0.86	4.98	-0.69	1400.37	101.90	120.01	1382.26	-152.29
1	70	1066	6.03	1.14	1.36	5.81	-1.01	1364.42	-37.19	7.43	1319.81	-246.05
1	70	1067	7.16	0.97	1.27	6.87	-1.31	1272.60	-315.94	-194.64	1151.30	-421.86
1	70	1068	6.48	-6.28	1.69e-02	0.18	6.38	928.77	-858.36	-533.47	603.88	-689.25
1	70	1069	20.82	-24.09	13.18	-16.45	16.88	-507.45	-1219.05	-1217.61	-508.89	31.96
1	70	1070	36.31	-24.13	35.92	-23.73	4.88	1241.87	-2646.50	-2646.41	1241.78	-19.06
1	70	1079	10.38	-1.61	3.97	4.80	5.98	418.75	-296.52	122.34	-0.10	352.36
1	70	1080	-0.13	-9.10	-8.93	-0.30	1.22	695.56	-569.80	61.33	64.43	632.68
1	70	1081	-2.69	-5.34	-4.99	-3.05	-0.90	701.06	-556.43	79.48	65.14	-628.71
1	70	1082	3.52	0.24	0.63	3.13	-1.07	915.83	-314.68	172.95	428.20	601.87
1	70	1083	5.87	-0.29	0.68	4.89	2.25	1179.26	-135.36	143.79	900.11	537.63
1	70	1084	4.76	0.40	1.02	4.14	1.52	1272.28	69.97	195.34	1146.92	367.43
1	70	1085	4.13	0.60	0.98	3.76	1.09	1321.72	186.46	239.15	1269.03	238.84
1	70	1086	3.70	0.76	0.92	3.55	0.65	1338.79	248.96	266.78	1320.97	138.22
1	70	1087	3.46	0.88	0.91	3.44	0.25	1341.81	277.25	280.09	1338.97	54.87
1	70	1088	3.43	0.93	0.94	3.42	-0.15	1341.81	281.88	282.31	1341.38	-21.47
1	70	1089	3.61	0.91	1.03	3.49	-0.56	1340.80	264.46	273.91	1331.35	-100.41
1	70	1090	3.95	0.86	1.21	3.59	-0.98	1331.48	217.53	251.67	1297.35	-191.98
1	70	1091	4.28	0.82	1.40	3.70	-1.29	1298.14	122.52	209.57	1211.08	-307.84
1	70	1092	3.78	0.61	0.79	3.60	-0.74	1220.07	-62.78	141.10	1016.19	-469.02
1	70	1093	6.05	-2.18	-1.94	5.80	-1.39	1016.28	-270.44	147.48	598.37	-602.57
1	70	1094	9.83	-1.78	3.12	4.92	-5.74	421.19	-304.41	120.23	-3.44	-357.49
1	70	1095	-7.47e-02	-5.10	-5.06	-0.11	0.41	848.05	-105.65	786.56	-44.15	234.24
1	70	1096	0.80	-3.37	-2.93	0.36	1.29	1093.10	-154.55	726.09	212.47	568.51
1	70	1097	1.08	-3.32	-2.78	0.53	-1.45	1082.30	-153.31	721.07	207.92	-562.01
1	70	1098	1.71	-1.95	-1.93	1.68	0.31	1076.67	27.21	644.58	459.30	516.49
1	70	1099	1.79	-1.46e-03	0.43	1.36	0.77	1131.60	195.61	529.40	797.80	448.34
1	70	1100	2.75	0.41	1.32	1.84	1.14	1191.38	306.15	457.90	1039.64	333.62
1	70	1101	2.84	0.76	1.35	2.24	0.94	1235.51	354.81	416.67	1173.65	225.06
1	70	1102	2.69	1.05	1.31	2.44	0.60	1259.11	372.30	392.60	1238.81	132.62
1	70	1103	2.56	1.24	1.28	2.52	0.23	1268.15	377.07	380.24	1264.99	53.00
1	70	1104	2.52	1.30	1.32	2.51	-0.12	1269.34	377.38	377.87	1268.84	-20.95
1	70	1105	2.59	1.23	1.41	2.41	-0.46	1263.97	374.27	385.06	1253.17	-97.41
1	70	1106	2.66	1.03	1.52	2.18	-0.75	1246.95	361.81	402.15	1206.61	-184.60



1	70	1107	2.44	0.81	1.48	1.77	-0.80	1210.21	324.81	432.42	1102.60	-289.31
1	70	1108	1.85	0.18	0.40	1.63	-0.57	1150.79	237.79	489.52	899.05	-408.00
1	70	1109	1.85	-1.82	-1.71	1.74	-0.63	1081.12	88.59	590.28	579.44	-496.23
1	70	1110	-0.39	-3.80	-3.71	-0.48	-0.53	843.84	-106.48	782.98	-45.62	-232.66
1	70	1111	-0.19	-5.97	-5.97	-0.19	-7.65e-03	1169.12	-60.38	1150.27	-41.53	151.05
1	70	1112	6.25e-02	-3.12	-3.09	3.55e-02	0.29	1209.41	107.49	1062.65	254.25	374.40
1	70	1113	0.26	-3.07	-2.97	0.16	-0.57	1202.22	103.83	1058.19	247.86	-370.75
1	70	1114	0.28	-1.82	-1.79	0.25	0.25	1124.15	296.85	950.97	470.03	336.57
1	70	1115	0.63	-0.11	0.12	0.39	0.35	1068.36	475.32	788.27	755.42	296.06
1	70	1116	1.51	0.44	1.20	0.75	0.49	1091.79	532.86	656.49	968.16	231.99
1	70	1117	1.87	0.88	1.53	1.22	0.47	1145.56	516.94	562.10	1100.40	162.33
1	70	1118	1.90	1.25	1.57	1.58	0.32	1185.34	487.27	501.23	1171.38	97.71
1	70	1119	1.84	1.49	1.56	1.77	0.14	1204.59	467.13	469.24	1202.48	39.38
1	70	1120	1.79	1.57	1.58	1.78	-4.38e-02	1207.48	463.18	463.52	1207.14	-15.87
1	70	1121	1.83	1.42	1.63	1.62	-0.20	1194.98	476.14	483.58	1187.54	-72.75
1	70	1122	1.81	1.12	1.63	1.29	-0.30	1162.98	502.08	531.13	1133.93	-135.48
1	70	1123	1.48	0.75	1.33	0.90	-0.30	1110.39	526.60	610.71	1026.29	-205.00
1	70	1124	0.81	0.19	0.34	0.65	-0.27	1064.38	506.23	728.06	842.55	-273.14
1	70	1125	0.61	-1.36	-1.26	0.51	-0.43	1085.92	373.70	880.70	578.92	-322.56
1	70	1126	-0.26	-5.31	-5.31	-0.26	-2.29e-02	1164.42	-59.84	1145.99	-41.41	-149.06
1	70	1127	-0.11	-6.07	-6.07	-0.11	-8.23e-03	1322.01	-42.29	1319.26	-39.53	61.27
1	70	1128	-0.14	-3.28	-3.28	-0.14	6.89e-02	1246.27	241.23	1222.69	264.81	152.13
1	70	1129	-6.90e-02	-3.18	-3.17	-8.65e-02	-0.23	1242.04	236.82	1219.22	259.64	-149.73
1	70	1130	-0.18	-1.80	-1.80	-0.18	4.86e-02	1129.68	445.67	1101.40	473.94	136.16
1	70	1131	1.00e-01	-4.98e-02	9.28e-02	-4.26e-02	-3.20e-02	981.92	678.13	921.69	738.36	121.11
1	70	1132	1.16	0.31	1.15	0.32	-7.79e-02	979.28	721.66	767.39	933.56	98.43
1	70	1133	1.57	0.78	1.56	0.78	-6.93e-02	1072.26	637.18	649.27	1060.17	71.51
1	70	1134	1.64	1.17	1.64	1.18	-4.01e-02	1135.11	566.27	569.73	1131.65	44.21
1	70	1135	1.63	1.40	1.63	1.40	-3.12e-03	1164.79	526.61	527.12	1164.28	18.05
1	70	1136	1.65	1.42	1.64	1.43	4.23e-02	1169.22	519.64	519.72	1169.13	-7.42
1	70	1137	1.69	1.24	1.67	1.26	9.78e-02	1149.86	545.36	547.22	1148.01	-33.41
1	70	1138	1.66	0.90	1.63	0.94	0.16	1100.32	603.47	611.01	1092.78	-60.74
1	70	1139	1.34	0.50	1.30	0.54	0.18	1014.13	687.41	713.40	988.14	-88.41
1	70	1140	0.47	0.19	0.44	0.21	8.30e-02	950.70	722.47	854.23	818.95	-112.74
1	70	1141	2.11e-02	-1.08	-1.07	5.70e-03	-0.13	1060.52	544.09	1025.45	579.16	-129.93
1	70	1142	-0.13	-5.80	-5.80	-0.13	-7.43e-03	1318.48	-41.96	1315.82	-39.30	-60.08
1	70	1143	-0.16	-6.22	-6.22	-0.16	4.78e-02	1340.16	-40.70	1339.49	-40.02	-30.53
1	70	1144	-0.18	-3.20	-3.20	-0.18	5.87e-02	1249.21	258.44	1243.29	264.35	-76.31
1	70	1145	-0.13	-3.12	-3.11	-0.13	-0.13	1246.56	254.01	1240.37	260.19	78.09
1	70	1146	-0.19	-1.62	-1.62	-0.20	-9.69e-02	1129.53	467.47	1122.19	474.81	-69.30
1	70	1147	0.61	-0.35	0.30	-4.13e-02	-0.45	958.71	723.13	942.52	739.32	-59.60
1	70	1148	1.58	2.68e-02	1.21	0.40	-0.66	944.49	775.37	787.73	932.12	-44.03
1	70	1149	1.87	0.51	1.48	0.89	-0.61	1057.88	665.69	667.82	1055.76	-28.80
1	70	1150	1.81	0.96	1.51	1.27	-0.41	1125.88	585.28	585.78	1125.38	-16.37
1	70	1151	1.63	1.33	1.48	1.47	-0.15	1157.24	541.32	541.38	1157.18	-6.32
1	70	1152	1.61	1.38	1.48	1.51	0.11	1161.83	533.83	533.85	1161.82	2.62
1	70	1153	1.83	1.06	1.52	1.37	0.38	1141.35	562.75	562.99	1141.10	11.91
1	70	1154	1.95	0.65	1.53	1.08	0.61	1088.59	628.31	629.48	1087.42	23.12
1	70	1155	1.78	0.23	1.35	0.66	0.69	991.42	728.63	734.10	985.95	37.52
1	70	1156	1.03	-0.11	0.68	0.25	0.53	908.75	787.26	875.64	820.37	54.10
1	70	1157	7.50e-04	-0.82	-0.78	-3.63e-02	0.17	1056.31	571.92	1046.71	581.53	67.53
1	70	1158	-0.20	-6.13	-6.13	-0.20	-5.87e-02	1337.47	-40.68	1336.77	-39.98	31.10
1	70	1159	-0.48	-6.53	-6.53	-0.48	3.26e-02	1220.50	-56.91	1208.96	-45.37	-120.87
1	70	1160	-9.77e-02	-2.88	-2.87	-0.10	-8.29e-02	1213.73	159.48	1123.51	249.71	-294.92
1	70	1161	7.51e-02	-2.72	-2.72	7.30e-02	7.78e-02	1211.91	157.02	1120.83	248.10	296.28
1	70	1162	0.44	-1.20	-1.15	0.39	-0.29	1126.68	362.60	1015.04	474.24	-269.89
1	70	1163	1.68	-0.38	0.82	0.48	-1.02	1045.12	567.65	853.54	759.24	-234.03
1	70	1164	2.54	-0.14	1.29	1.11	-1.34	1057.27	624.89	719.65	962.51	-178.86
1	70	1165	2.53	0.29	1.26	1.56	-1.11	1116.58	586.17	616.78	1085.97	-123.68
1	70	1166	2.27	0.73	1.19	1.80	-0.71	1161.43	536.88	545.77	1152.53	-74.01
1	70	1167	2.01	1.06	1.14	1.92	-0.27	1183.16	505.71	507.00	1181.87	-29.51
1	70	1168	1.98	1.11	1.14	1.95	0.16	1186.23	500.37	500.60	1186.00	12.51
1	70	1169	2.23	0.85	1.19	1.89	0.60	1171.75	521.79	526.56	1166.98	55.45
1	70	1170	2.53	0.46	1.28	1.71	1.01	1135.79	565.53	584.63	1116.69	102.60
1	70	1171	2.61	0.11	1.37	1.34	1.25	1078.24	613.94	674.26	1017.91	156.11
1	70	1172	2.11	-0.13	1.06	0.92	1.11	1036.63	606.10	795.64	847.10	213.72
1	70	1173	0.89	-0.58	-0.33	0.64	0.55	1083.14	451.93	946.40	588.67	260.03
1	70	1174	-0.70	-6.50	-6.50	-0.70	-2.77e-02	1218.21	-58.30	1206.56	-46.65	121.42
1	70	1175	0.80	-5.42	-4.34	-0.28	-2.35	904.28	-112.74	855.88	-64.33	-216.53
1	70	1176	1.19	-4.71	-4.65	1.13	0.60	1041.24	-38.07	808.81	194.36	-443.67
1	70	1177	1.32	-3.30	-3.25	1.27	-0.44	1048.96	-31.55	816.46	200.94	444.03
1	70	1178	1.60	0.64	1.13	1.11	-0.48	1086.75	155.92	780.87	461.81	-437.22
1	70	1179	4.24	-0.20	1.30	2.73	-2.10	1124.23	340.45	655.79	808.89	-384.34
1	70	1180	3.97	-0.13	1.11	2.73	-1.88	1163.85	429.93	570.57	1023.21	-288.85
1	70	1181	3.42	0.11	0.84	2.69	-1.37	1203.45	444.98	502.28	1146.15	-200.44
1	70	1182	2.93	0.42	0.73	2.62	-0.82	1227.04	433.96	452.81	1208.19	-120.80



1	70	1183	2.62	0.65	0.70	2.56	-0.32	1236.78	422.01	424.88	1233.91	-48.30
1	70	1184	2.59	0.68	0.70	2.57	0.16	1237.82	419.94	420.47	1237.29	20.92
1	70	1185	2.85	0.52	0.72	2.64	0.66	1231.27	429.44	439.98	1220.72	91.36
1	70	1186	3.33	0.26	0.85	2.74	1.20	1213.26	443.78	482.01	1175.03	167.20
1	70	1187	3.87	8.25e-02	1.18	2.77	1.72	1179.47	443.93	543.05	1080.34	251.16
1	70	1188	3.65	0.37	1.48	2.53	1.55	1136.07	386.48	616.96	905.58	345.90
1	70	1189	4.24	-5.62e-02	0.78	3.41	1.70	1105.71	234.40	729.28	610.83	431.61
1	70	1190	0.38	-6.00	-4.90	-0.72	2.41	893.64	-121.91	845.04	-73.32	216.77
1	70	1191	5.37	-4.38	-0.57	1.56	4.76	196.54	-196.12	110.49	-110.07	-162.43
1	70	1192	7.12	-7.31	3.26	-3.45	6.39	705.72	-248.76	414.27	42.69	-439.59
1	70	1193	6.40	-7.43	-1.77	0.75	-6.80	687.17	-267.06	384.38	35.73	444.13
1	70	1194	6.95	-2.94	-1.83	5.83	3.13	967.08	-256.46	312.85	397.78	-610.29
1	70	1195	6.02	1.14	2.21	4.95	-2.02	1175.42	65.48	366.39	874.52	-493.40
1	70	1196	5.12	0.13	0.82	4.44	-1.71	1249.66	216.04	360.52	1105.18	-358.41
1	70	1197	4.18	-1.79e-02	0.32	3.85	-1.14	1292.53	272.59	338.40	1226.72	-250.58
1	70	1198	3.51	0.14	0.27	3.38	-0.67	1306.95	291.30	314.73	1283.52	-152.48
1	70	1199	3.17	0.26	0.29	3.14	-0.27	1308.97	295.64	299.34	1305.27	-61.15
1	70	1200	3.13	0.28	0.29	3.12	0.10	1308.61	296.34	297.07	1307.88	27.16
1	70	1201	3.40	0.19	0.27	3.32	0.49	1307.61	295.21	308.86	1293.96	116.77
1	70	1202	4.01	5.98e-02	0.31	3.76	0.97	1299.26	285.85	332.16	1252.95	211.62
1	70	1203	4.99	0.19	0.82	4.36	1.62	1270.14	251.69	360.49	1161.34	314.60
1	70	1204	6.42	0.92	2.39	4.95	2.43	1215.96	151.84	381.45	986.35	437.73
1	70	1205	5.21	-2.96	0.64	1.61	-4.05	1036.31	-141.40	313.24	581.66	573.36
1	70	1206	6.47	0.40	3.01	3.87	-3.00	200.98	-174.81	90.35	-64.18	171.27
1	70	1207	3.17	-30.72	-22.85	-4.70	14.31	313.25	-490.28	-471.37	294.34	121.81
1	70	1208	2.08	-2.63	1.77	-2.32	1.17	-488.88	-1342.76	-981.72	-849.92	-421.82
1	70	1209	1.10	-1.36	1.04	-1.30	-0.37	-464.04	-1317.86	-970.69	-811.21	419.40
1	70	1210	12.68	-9.97	12.17	-9.46	3.36	639.24	-484.33	-305.81	460.72	-410.74
1	70	1211	7.27	4.52	5.58	6.21	-1.34	1158.74	-111.24	91.50	956.00	-465.16
1	70	1212	5.63	0.21	0.33	5.51	-0.80	1327.35	-0.23	133.88	1193.24	-400.07
1	70	1213	4.39	-6.60e-02	-1.47e-02	4.34	-0.48	1386.05	73.14	140.80	1318.39	-290.26
1	70	1214	3.75	-1.12e-02	1.59e-02	3.72	-0.32	1397.26	110.81	136.21	1371.86	-178.96
1	70	1215	3.43	3.51e-02	4.16e-02	3.43	-0.15	1394.37	127.23	131.32	1390.28	-71.93
1	70	1216	3.38	4.07e-02	4.10e-02	3.38	2.99e-02	1393.17	129.81	130.65	1392.33	32.63
1	70	1217	3.58	3.50e-03	1.41e-02	3.57	0.19	1396.26	119.77	135.01	1381.02	138.65
1	70	1218	4.11	-5.11e-02	-2.31e-02	4.08	0.34	1393.60	92.56	142.22	1343.95	249.28
1	70	1219	5.25	0.17	0.25	5.17	0.63	1360.14	38.29	146.62	1251.82	362.57
1	70	1220	7.17	4.09	4.97	6.30	1.39	1255.39	-38.64	142.13	1074.62	448.60
1	70	1221	12.15	-3.96	11.20	-3.02	-3.78	904.81	-265.91	-51.43	690.33	452.87
1	70	1222	3.55	-28.87	-20.83	-4.49	-14.00	312.01	-499.09	-477.59	290.51	-130.30
1	70	1223	7.69	-11.61	-10.49	6.57	-4.51	-111.55	-330.99	-329.84	-112.69	-15.80
1	70	1224	9.75	-1.72	-1.42	9.44	1.84	364.69	-375.92	238.56	-249.80	-278.39
1	70	1225	4.80	-3.17	-1.43	3.06	-3.29	270.34	-293.20	200.45	-223.31	185.74
1	70	1226	30.28	6.12	13.43	22.98	-11.10	344.32	13.52	226.70	131.14	-158.35
1	70	1227	6.18	-3.63	-3.60	6.14	-0.57	931.43	-116.63	-90.80	905.60	-162.49
1	70	1228	4.29	-0.69	-0.67	4.27	0.31	1250.85	-48.66	-29.96	1232.15	-154.80
1	70	1229	4.01	-0.12	-0.11	4.00	0.11	1372.73	-28.90	-19.89	1363.71	-112.03
1	70	1230	3.63	-3.60e-02	-3.55e-02	3.63	4.31e-02	1420.14	-19.04	-15.75	1416.85	-68.72
1	70	1231	3.35	-2.50e-02	-2.49e-02	3.35	1.34e-02	1434.59	-14.16	-13.63	1434.06	-27.48
1	70	1232	3.27	-2.44e-02	-2.43e-02	3.27	-9.14e-03	1436.05	-13.42	-13.31	1435.94	12.56
1	70	1233	3.38	-3.42e-02	-3.37e-02	3.38	-3.91e-02	1427.75	-16.77	-14.80	1425.78	53.33
1	70	1234	3.59	-0.11	-0.11	3.59	-0.11	1396.71	-25.03	-18.46	1390.14	96.45
1	70	1235	3.66	-0.69	-0.66	3.64	-0.33	1310.58	-43.51	-28.55	1295.61	141.56
1	70	1236	4.53	-4.05	-4.05	4.53	-0.12	1060.59	-114.07	-91.62	1038.14	160.82
1	70	1237	25.27	7.87	16.02	17.12	8.69	590.05	138.22	220.88	507.39	174.69
1	70	1238	5.97	-10.45	-8.61	4.12	5.18	-145.56	-303.90	-297.68	-151.79	30.77
1	72	1	2.18	-2.61	1.87	-2.30	-1.18	-449.46	-1301.74	-935.82	-815.39	421.86
1	72	3	1.19	-1.30	1.12	-1.23	0.41	-426.22	-1278.16	-926.49	-777.89	-419.44
1	72	9	-0.36	-7.92	-2.00	-6.28	-3.12	-886.73	-1579.93	-1572.75	-893.91	-70.18
1	72	11	5.48	-7.39	-2.63	0.72	-6.21	-1524.14	-3250.86	-3245.88	-1529.12	92.59
1	72	12	6.24	-6.88	4.96	-5.61	-3.89	-1676.70	-3058.36	-3058.21	-1676.85	-14.16
1	72	13	7.98	-5.43	6.95	-4.40	3.58	-1580.87	-3023.44	-3010.52	-1593.80	-135.95
1	72	15	7.98	-5.60	7.08	-4.70	3.38	-1612.86	-3022.32	-3021.98	-1613.20	21.87
1	72	17	2.26	-3.44	-1.52	0.34	2.70	-835.04	-1560.79	-1549.42	-846.40	90.09
1	72	21	0.18	-14.32	-2.82	-11.31	5.88	-1597.76	-3289.70	-3279.10	-1608.36	-133.50
1	72	22	-0.11	-16.71	-3.12	-13.71	6.39	-2067.54	-4346.24	-4342.70	-2071.07	-89.74
1	72	23	6.11	-7.05	4.64	-5.57	-4.15	-1640.09	-3061.88	-3045.60	-1656.37	151.27
1	72	24	3.17	0.96	1.11	3.02	0.56	1141.24	33.20	39.75	1134.69	84.95
1	72	25	3.81	-4.43	3.81	-4.42	0.19	-1491.85	-2666.57	-2644.88	-1513.54	158.14
1	72	27	6.06	-4.15	6.06	-4.14	-0.17	-1434.53	-2629.18	-2608.55	-1455.16	-155.64
1	72	29	7.33	-7.13	3.52	-3.32	-6.37	670.26	-288.73	358.15	23.38	449.33
1	72	30	6.90	-2.76	-1.59	5.73	-3.15	918.12	-301.35	270.57	346.19	608.56
1	72	31	12.30	-9.65	11.75	-9.10	-3.43	590.04	-484.10	-296.03	401.97	408.22
1	72	32	5.75	1.26	2.18	4.83	1.81	1097.97	9.80	334.73	773.04	498.00
1	72	33	6.65	4.52	5.27	5.89	1.02	1068.36	-135.53	81.76	851.07	463.01
1	72	34	4.85	0.20	0.72	4.33	1.46	1144.43	169.56	336.67	977.32	367.40



1	72	35	5.39	0.21	0.28	5.32	0.61	1213.94	-22.78	125.63	1065.52	401.90
1	72	36	4.00	-2.20e-02	0.22	3.77	0.95	1164.48	242.21	322.38	1084.30	259.84
1	72	37	4.30	-7.15e-02	-4.45e-02	4.28	0.34	1255.27	58.04	135.19	1178.13	293.96
1	72	38	3.41	8.11e-02	0.18	3.32	0.55	1163.21	275.18	304.79	1133.59	159.44
1	72	39	3.75	-2.83e-02	-1.33e-02	3.74	0.24	1255.44	103.40	133.05	1225.79	182.43
1	72	40	3.12	0.18	0.20	3.10	0.23	1156.92	288.13	292.90	1152.15	64.21
1	72	41	3.49	9.28e-03	1.33e-02	3.48	0.12	1246.85	124.83	129.67	1242.01	73.59
1	72	42	3.08	0.19	0.19	3.08	-7.33e-02	1155.33	290.26	291.21	1154.38	-28.66
1	72	43	3.44	1.33e-02	1.33e-02	3.44	-1.18e-02	1244.84	128.24	129.25	1243.84	-33.48
1	72	44	3.31	0.12	0.17	3.26	-0.39	1160.11	283.13	300.61	1142.64	-122.55
1	72	45	3.60	-1.78e-02	-1.33e-02	3.60	-0.13	1251.93	114.60	132.53	1234.00	-141.68
1	72	46	3.85	4.12e-02	0.22	3.68	-0.80	1164.81	261.27	318.70	1107.38	-220.43
1	72	47	4.05	-6.24e-02	-5.01e-02	4.04	-0.22	1258.34	80.30	137.48	1201.16	-253.16
1	72	48	4.72	0.24	0.72	4.25	-1.38	1156.00	210.83	339.57	1027.26	-324.21
1	72	49	5.04	0.17	0.21	5.00	-0.46	1239.61	17.64	138.78	1118.47	-365.18
1	72	50	6.09	1.05	2.30	4.84	-2.18	1128.04	97.79	352.33	873.49	-444.35
1	72	51	6.55	4.05	4.64	5.96	-1.06	1153.53	-65.03	130.32	958.19	-447.08
1	72	52	5.28	-2.96	0.67	1.65	4.09	1037.77	-191.80	276.65	509.32	-573.10
1	72	53	11.69	-3.82	10.65	-2.78	3.89	838.61	-282.66	-55.79	611.75	-450.45
1	72	54	6.47	-7.16	-1.47	0.78	6.72	651.92	-306.96	328.45	16.52	-453.37
1	72	55	1.19	-4.28	-4.14	1.04	-0.87	985.97	-107.19	717.34	161.43	470.63
1	72	56	1.57	0.84	1.38	1.03	0.32	1037.58	64.76	702.94	399.39	462.13
1	72	57	3.97	2.52e-03	1.29	2.68	1.86	1064.06	242.23	600.12	706.16	407.48
1	72	58	3.68	-4.55e-02	0.97	2.67	1.66	1072.12	352.71	532.25	892.57	311.33
1	72	59	3.18	9.11e-02	0.66	2.61	1.20	1078.48	397.16	477.19	998.45	219.37
1	72	60	2.74	0.32	0.55	2.50	0.72	1078.98	409.00	436.86	1051.12	133.75
1	72	61	2.47	0.49	0.53	2.43	0.29	1076.99	409.56	413.92	1072.62	53.79
1	72	62	2.44	0.52	0.53	2.43	-0.13	1076.28	409.55	410.38	1075.45	-23.47
1	72	63	2.67	0.40	0.55	2.52	-0.56	1077.66	410.73	426.63	1061.76	-101.74
1	72	64	3.09	0.22	0.67	2.64	-1.04	1078.44	406.19	461.21	1023.41	-184.29
1	72	65	3.58	0.14	1.03	2.69	-1.50	1074.64	378.74	510.73	942.65	-272.82
1	72	66	3.40	0.51	1.42	2.49	-1.34	1065.75	295.08	569.37	791.45	-368.99
1	72	67	4.07	0.22	0.98	3.31	-1.53	1057.45	137.42	660.98	533.89	-455.60
1	72	68	1.37	-2.93	-2.81	1.25	0.72	994.25	-99.47	725.33	169.46	-470.96
1	72	69	-8.57e-02	-2.36	-2.36	-9.00e-02	-9.83e-02	1148.12	79.23	1015.63	211.72	352.23
1	72	70	0.39	-0.87	-0.86	0.38	9.23e-02	1078.59	251.79	924.45	405.94	322.00
1	72	71	1.47	-0.21	0.80	0.47	0.82	1009.80	430.35	788.59	651.57	281.51
1	72	72	2.25	-0.11	1.10	1.04	1.18	982.41	518.58	676.08	824.90	219.66
1	72	73	2.24	0.19	1.02	1.41	1.01	989.00	528.82	589.08	928.75	155.24
1	72	74	2.00	0.54	0.95	1.59	0.66	1002.95	509.61	528.42	984.14	94.48
1	72	75	1.75	0.84	0.92	1.66	0.26	1011.19	492.27	495.07	1008.39	38.01
1	72	76	1.71	0.90	0.92	1.69	-0.14	1012.32	489.17	489.67	1011.81	-16.26
1	72	77	1.95	0.66	0.96	1.66	-0.54	1006.55	501.96	512.28	996.23	-71.41
1	72	78	2.23	0.35	1.05	1.53	-0.91	994.02	522.97	562.22	954.77	-130.18
1	72	79	2.31	0.10	1.18	1.24	-1.10	981.77	529.06	638.33	872.50	-193.72
1	72	80	1.88	-2.01e-02	1.00	0.86	-0.95	993.08	475.41	740.46	728.02	-258.76
1	72	81	0.75	-0.29	-0.14	0.60	-0.37	1045.68	327.44	867.05	506.07	-310.47
1	72	82	7.25e-02	-2.23	-2.22	6.90e-02	8.95e-02	1147.46	78.02	1013.99	211.49	-353.44
1	72	83	-0.15	-2.64	-2.62	-0.17	-0.21	1174.65	194.83	1145.31	224.17	166.99
1	72	84	-0.19	-1.34	-1.34	-0.19	-6.13e-02	1075.91	368.40	1041.87	402.43	151.40
1	72	85	0.43	-0.31	0.22	-0.10	0.33	943.39	568.30	887.77	623.92	133.30
1	72	86	1.31	-0.12	0.96	0.23	0.62	873.80	662.52	753.59	782.74	104.63
1	72	87	1.59	0.21	1.19	0.61	0.62	904.81	626.85	647.78	883.88	73.35
1	72	88	1.54	0.59	1.25	0.88	0.44	946.29	568.77	573.99	941.07	44.11
1	72	89	1.34	0.94	1.25	1.03	0.17	968.13	532.85	533.57	967.41	17.65
1	72	90	1.31	1.00	1.25	1.06	-0.12	971.38	526.75	526.87	971.26	-7.36
1	72	91	1.53	0.70	1.26	0.97	-0.39	956.79	551.19	553.89	954.08	-33.02
1	72	92	1.65	0.36	1.25	0.76	-0.59	922.29	602.21	614.37	910.13	-61.19
1	72	93	1.49	5.06e-02	1.11	0.43	-0.64	877.70	657.45	707.48	827.67	-92.28
1	72	94	0.84	-0.16	0.59	9.73e-02	-0.44	902.90	620.39	830.86	692.43	-123.14
1	72	95	-0.11	-0.61	-0.61	-0.12	-5.98e-02	1019.10	453.08	978.15	494.03	-146.64
1	72	96	-0.12	-2.60	-2.58	-0.14	0.23	1173.76	192.16	1144.09	221.83	-168.05
1	72	97	-0.16	-2.71	-2.70	-0.17	-0.14	1167.61	225.02	1166.73	225.90	-28.83
1	72	98	-0.27	-1.58	-1.57	-0.28	-0.10	1061.49	399.03	1060.57	399.95	-24.74
1	72	99	-6.31e-02	-0.28	-7.77e-02	-0.27	5.43e-02	903.32	611.30	901.57	613.04	-22.53
1	72	100	0.86	-0.10	0.82	-6.08e-02	0.20	784.99	742.69	760.85	766.83	-20.94
1	72	101	1.30	0.19	1.24	0.24	0.24	869.54	647.15	648.58	868.11	-17.78
1	72	102	1.44	0.48	1.40	0.51	0.17	927.76	569.79	570.22	927.33	-12.34
1	72	103	1.45	0.68	1.45	0.68	5.29e-02	955.38	527.35	527.42	955.32	-5.25
1	72	104	1.46	0.70	1.45	0.71	-7.63e-02	959.45	520.25	520.27	959.44	2.51
1	72	105	1.47	0.56	1.43	0.61	-0.19	941.25	548.48	548.73	941.00	9.94
1	72	106	1.39	0.32	1.32	0.39	-0.26	895.70	611.98	612.88	894.80	16.00
1	72	107	1.07	4.71e-02	1.01	0.10	-0.23	814.75	708.13	711.94	810.94	19.79
1	72	108	0.34	-0.16	0.32	-0.14	-9.04e-02	844.99	675.78	842.22	678.55	21.48
1	72	109	-0.23	-0.91	-0.90	-0.25	0.11	996.28	487.48	995.24	488.53	23.04
1	72	110	-0.15	-2.67	-2.65	-0.16	0.20	1166.69	222.54	1165.86	223.37	28.02



1	72	111	-0.13	-2.63	-2.63	-0.13	-9.05e-02	1148.87	169.47	1093.95	224.38	-225.31
1	72	112	-0.20	-1.60	-1.58	-0.21	-0.13	1051.38	337.09	989.48	398.99	-200.95
1	72	113	-1.91e-02	-0.33	-0.16	-0.19	-0.15	934.30	515.45	833.56	616.19	-179.02
1	72	114	0.79	-3.83e-02	0.77	-1.47e-02	-0.14	889.69	583.62	696.91	776.40	-147.79
1	72	115	1.27	0.24	1.25	0.26	-0.12	919.44	553.37	589.81	883.00	-109.60
1	72	116	1.45	0.51	1.44	0.52	-0.10	955.95	505.84	516.61	945.18	-68.79
1	72	117	1.50	0.69	1.49	0.69	-7.10e-02	975.89	475.66	477.24	974.32	-28.04
1	72	118	1.49	0.73	1.49	0.73	-2.85e-02	978.87	470.35	470.65	978.57	12.23
1	72	119	1.46	0.61	1.46	0.61	1.37e-02	965.32	490.70	496.64	959.38	52.74
1	72	120	1.31	0.39	1.31	0.39	5.41e-02	934.09	532.93	556.13	910.89	93.65
1	72	121	0.95	0.13	0.94	0.14	0.11	894.82	577.59	649.95	822.47	133.11
1	72	122	0.29	-0.15	0.20	-6.39e-02	0.18	903.15	556.41	775.79	683.78	167.15
1	72	123	-9.83e-02	-1.03	-0.97	-0.16	0.23	998.43	415.39	925.45	488.37	192.94
1	72	124	-0.11	-2.57	-2.56	-0.13	0.17	1147.85	167.03	1093.30	221.58	224.78
1	72	125	-3.34e-02	-2.43	-2.42	-4.44e-02	-0.16	1110.37	23.80	916.22	217.95	-416.25
1	72	126	4.92e-02	-1.48	-1.43	1.30e-03	-0.27	1036.33	179.87	819.19	397.01	-372.59
1	72	127	0.43	-0.38	-7.79e-02	0.12	-0.39	985.64	323.35	676.52	632.48	-330.41
1	72	128	1.11	3.45e-02	0.81	0.33	-0.48	980.45	389.55	557.73	812.27	-266.63
1	72	129	1.51	0.36	1.24	0.63	-0.49	998.86	401.58	471.41	929.04	-191.91
1	72	130	1.59	0.70	1.36	0.92	-0.39	1016.70	393.34	416.33	993.71	-117.48
1	72	131	1.48	1.00	1.38	1.10	-0.20	1026.00	384.44	387.94	1022.49	-47.30
1	72	132	1.37	1.12	1.37	1.13	2.74e-02	1027.24	382.54	383.18	1026.59	20.33
1	72	133	1.47	0.88	1.36	1.00	0.23	1020.78	388.69	401.55	1007.92	89.21
1	72	134	1.46	0.56	1.26	0.76	0.37	1005.43	398.33	445.30	958.47	162.19
1	72	135	1.18	0.22	0.91	0.49	0.43	984.45	397.51	518.85	863.11	237.69
1	72	136	0.69	-0.22	0.19	0.28	0.45	976.25	357.11	625.44	707.92	306.81
1	72	137	0.29	-1.07	-0.90	0.12	0.44	1008.61	243.09	760.26	491.44	358.38
1	72	138	1.26e-02	-2.34	-2.30	-2.25e-02	0.29	1109.31	21.10	915.80	214.61	416.10
1	72	139	0.33	-2.16	-2.02	0.19	-0.58	1018.97	-225.81	597.03	196.13	-589.23
1	72	140	0.79	-1.43	-1.25	0.62	-0.59	988.09	-81.84	519.71	386.54	-530.80
1	72	141	1.19	-0.34	8.91e-02	0.76	-0.69	1020.35	54.46	411.05	663.76	-466.12
1	72	142	1.88	8.97e-02	0.96	1.00	-0.89	1059.27	156.32	337.04	878.55	-361.28
1	72	143	2.22	0.37	1.19	1.40	-0.92	1084.20	219.03	297.85	1005.38	-248.96
1	72	144	2.18	0.69	1.14	1.72	-0.69	1094.50	252.41	279.21	1067.70	-147.82
1	72	145	1.99	0.97	1.08	1.88	-0.31	1096.78	266.97	271.14	1092.61	-58.66
1	72	146	1.91	1.06	1.07	1.90	9.32e-02	1096.75	268.93	269.68	1096.00	24.88
1	72	147	2.01	0.87	1.12	1.76	0.47	1095.46	259.25	274.27	1080.43	111.07
1	72	148	2.08	0.56	1.15	1.49	0.74	1088.62	233.67	287.39	1034.90	207.47
1	72	149	1.87	0.25	0.95	1.17	0.80	1069.01	183.35	316.85	935.51	316.88
1	72	150	1.43	-0.25	0.22	0.96	0.75	1033.27	98.12	376.64	754.75	427.65
1	72	151	1.09	-1.19	-0.85	0.75	0.82	994.34	-27.41	473.71	493.22	510.78
1	72	152	0.47	-2.09	-1.86	0.24	0.72	1018.42	-228.49	597.00	192.93	589.81
1	72	153	1.62	-2.90	-1.77	0.49	-1.96	803.61	-618.57	61.95	123.08	-710.43
1	72	154	2.74	-1.60	-1.42	2.57	-0.85	869.71	-477.91	36.44	355.36	-654.67
1	72	155	2.25	-0.11	0.36	1.78	-0.94	1030.13	-298.39	9.20	722.54	-560.39
1	72	156	3.23	0.14	1.23	2.14	-1.48	1128.01	-106.39	38.90	982.72	-397.79
1	72	157	3.49	0.20	0.99	2.70	-1.41	1166.50	27.47	88.72	1105.24	-256.94
1	72	158	3.26	0.39	0.74	2.91	-0.94	1175.48	106.03	126.70	1154.81	-147.22
1	72	159	3.02	0.55	0.62	2.96	-0.39	1174.29	143.84	147.07	1171.06	-57.56
1	72	160	2.96	0.60	0.61	2.95	0.15	1173.58	149.63	150.19	1173.02	24.02
1	72	161	3.08	0.50	0.70	2.88	0.69	1175.18	124.68	136.14	1163.71	109.14
1	72	162	3.25	0.34	0.91	2.68	1.15	1171.87	62.66	103.92	1130.61	209.91
1	72	163	3.03	0.27	1.10	2.20	1.26	1147.14	-49.91	55.53	1041.70	339.27
1	72	164	2.58	-0.20	0.28	2.11	1.05	1073.66	-221.84	13.92	837.91	499.84
1	72	165	2.67	-1.59	-1.15	2.23	1.30	928.82	-417.77	20.03	491.02	630.76
1	72	166	1.63	-2.34	-1.31	0.60	1.74	808.21	-617.45	63.62	127.14	712.12
1	72	167	-0.63	-9.10	-7.45	-2.28	-3.35	237.51	-1250.48	-895.45	-117.52	-634.23
1	72	168	7.11	0.78	0.80	7.09	-0.36	607.41	-991.92	-639.10	254.59	-663.17
1	72	169	4.03	0.37	0.62	3.78	-0.91	1046.29	-722.35	-549.42	873.36	-525.31
1	72	170	6.02	-0.12	1.15	4.75	-2.49	1186.16	-347.01	-278.36	1117.51	-317.08
1	72	171	5.23	-0.15	0.42	4.66	-1.65	1233.53	-134.51	-106.67	1205.69	-193.17
1	72	172	4.53	-4.58e-02	0.15	4.33	-0.93	1243.02	-15.45	-6.16	1233.73	-107.71
1	72	173	4.13	4.44e-02	7.55e-02	4.10	-0.35	1240.35	41.56	43.01	1238.90	-41.68
1	72	174	4.06	6.91e-02	7.57e-02	4.05	0.16	1239.30	50.60	50.84	1239.05	17.06
1	72	175	4.31	2.09e-02	0.14	4.19	0.71	1242.19	13.79	18.85	1237.13	78.69
1	72	176	4.86	-5.62e-02	0.37	4.43	1.38	1240.17	-78.38	-60.10	1221.89	154.18
1	72	177	5.46	-2.79e-02	0.98	4.44	2.13	1212.98	-251.96	-204.49	1165.51	259.40
1	72	178	3.19	0.74	0.83	3.10	0.46	1110.01	-570.01	-452.66	992.65	428.24
1	72	179	4.63	0.53	0.57	4.59	0.42	1023.32	-267.35	-253.26	1009.23	134.14
1	72	180	16.89	-3.35	15.35	-1.81	5.37	-1111.85	-2189.63	-2175.42	-1126.05	-122.93
1	72	181	10.09	-9.47	5.90	-5.29	8.02	610.16	-1888.49	-1685.44	407.11	-682.73
1	72	182	12.57	-5.35	1.44	5.78	-8.69	1057.27	-965.33	-923.48	1015.41	-287.93
1	72	183	8.84	-1.41	-0.82	8.25	-2.38	1214.55	-472.33	-464.45	1206.67	-115.03
1	72	184	6.64	-0.56	-0.41	6.50	-1.01	1268.33	-215.95	-213.05	1265.43	-65.61
1	72	185	5.41	-0.38	-0.34	5.37	-0.46	1278.87	-77.30	-76.34	1277.90	-36.16
1	72	186	4.85	-0.31	-0.30	4.84	-0.16	1275.99	-11.56	-11.41	1275.84	-14.00



1	72	187	4.77	-0.30	-0.30	4.77	7.57e-02	1274.80	-0.92	-0.90	1274.77	5.62
1	72	188	5.16	-0.34	-0.32	5.14	0.35	1277.86	-42.61	-42.09	1277.34	26.14
1	72	189	6.17	-0.49	-0.38	6.07	0.84	1275.42	-147.72	-145.85	1273.56	51.46
1	72	190	8.08	-1.18	-0.73	7.63	1.99	1244.01	-348.53	-343.33	1238.82	90.80
1	72	191	11.40	-4.31	0.69	6.40	7.32	1139.91	-725.84	-698.05	1112.12	226.02
1	72	192	10.51	-6.50	10.13	-6.12	-2.51	902.60	-1435.93	-1346.78	813.45	447.82
1	72	193	14.15	-5.80	8.12	0.23	-9.16	-962.46	-2260.22	-2229.16	-993.51	198.34
1	72	194	59.04	-14.91	59.03	-14.91	0.69	746.08	-1638.35	-1635.00	742.73	89.31
1	72	195	24.41	0.39	0.61	24.19	-2.28	1231.30	-875.73	-875.55	1231.12	-19.58
1	72	196	9.18	1.09	1.09	9.18	-0.13	1219.42	-445.09	-445.09	1219.42	-1.78
1	72	197	6.60	-0.29	-0.29	6.60	-0.13	1269.77	-215.04	-215.03	1269.76	-3.99
1	72	198	5.47	-0.41	-0.41	5.47	-0.10	1281.54	-80.47	-80.46	1281.53	-3.18
1	72	199	4.93	-0.36	-0.36	4.93	-4.37e-02	1279.02	-15.38	-15.38	1279.02	-1.43
1	72	200	4.86	-0.35	-0.35	4.85	1.46e-02	1277.85	-4.76	-4.76	1277.85	0.52
1	72	201	5.24	-0.38	-0.38	5.24	7.46e-02	1280.64	-45.81	-45.81	1280.63	2.32
1	72	202	6.18	-0.30	-0.30	6.18	0.13	1277.32	-147.32	-147.31	1277.31	3.36
1	72	203	8.37	0.77	0.78	8.37	0.21	1249.37	-327.31	-327.31	1249.36	2.42
1	72	204	20.53	0.62	0.90	20.26	2.31	1272.29	-670.77	-670.58	1272.10	19.00
1	72	205	44.25	5.80	44.22	5.83	1.02	984.43	-946.54	-945.89	983.78	-35.29
1	72	206	5.63	-8.25	-3.30	0.68	-6.65	-1963.01	-4303.72	-4302.84	-1963.88	45.24
1	72	207	22.15	-9.64	22.08	-9.57	1.51	-772.00	-1690.05	-1656.53	-805.52	172.20
1	72	208	9.02	-5.72	4.40	-1.10	-6.84	540.29	-1701.91	-1455.65	294.04	701.08
1	72	209	12.77	-3.48	1.32	7.96	7.41	1064.55	-901.75	-843.32	1006.12	333.90
1	72	210	9.03	-1.11	-0.79	8.71	1.77	1210.88	-447.03	-434.10	1197.96	145.81
1	72	211	6.73	-0.53	-0.45	6.65	0.78	1264.96	-205.66	-200.95	1260.25	83.10
1	72	212	5.46	-0.39	-0.37	5.44	0.37	1276.27	-72.75	-71.26	1274.78	44.80
1	72	213	4.89	-0.33	-0.33	4.89	0.12	1273.90	-9.30	-9.07	1273.67	17.03
1	72	214	4.81	-0.32	-0.32	4.81	-7.15e-02	1272.78	1.03	1.07	1272.74	-6.93
1	72	215	5.22	-0.37	-0.35	5.21	-0.30	1275.46	-39.10	-38.30	1274.66	-32.37
1	72	216	6.27	-0.48	-0.42	6.20	-0.67	1272.30	-139.74	-136.73	1269.30	-65.07
1	72	217	8.29	-0.96	-0.69	8.01	-1.57	1240.67	-328.86	-320.27	1232.08	-115.79
1	72	218	12.41	-3.47	0.46	8.48	-6.85	1145.24	-677.95	-638.81	1106.10	-264.25
1	72	219	10.61	-4.40	9.62	-3.41	3.73	868.06	-1339.22	-1204.87	733.71	-527.73
1	72	220	14.65	-3.57	14.28	-3.20	2.58	-625.67	-1748.67	-1699.91	-674.42	-228.86
1	72	221	-3.50	-8.80	-8.63	-3.67	0.93	303.78	-1119.45	-737.60	-78.07	630.59
1	72	222	4.51	2.00	2.33	4.17	-0.85	648.04	-831.73	-496.90	313.21	619.16
1	72	223	5.79	0.25	1.58	4.46	2.37	1050.74	-611.38	-428.22	867.57	520.47
1	72	224	6.48	-0.22	1.13	5.13	2.69	1175.47	-292.99	-219.43	1101.92	320.32
1	72	225	5.41	-0.20	0.35	4.86	1.66	1223.91	-108.27	-78.61	1194.26	196.53
1	72	226	4.62	-8.43e-02	9.84e-02	4.44	0.91	1235.75	-3.36	6.39	1225.99	109.50
1	72	227	4.20	2.72e-03	2.96e-02	4.17	0.33	1234.72	47.10	48.61	1233.21	42.29
1	72	228	4.13	2.00e-02	2.72e-02	4.12	-0.17	1233.93	55.17	55.42	1233.67	-17.29
1	72	229	4.42	-3.58e-02	8.29e-02	4.30	-0.72	1235.63	22.72	28.01	1230.34	-79.92
1	72	230	5.05	-0.13	0.29	4.63	-1.41	1231.41	-58.46	-39.10	1212.05	-156.84
1	72	231	5.88	-0.15	0.91	4.82	-2.29	1202.46	-210.28	-159.58	1151.76	-262.79
1	72	232	4.32	0.71	1.38	3.64	-1.41	1109.63	-487.33	-361.07	983.37	-430.92
1	72	233	7.83	-1.51	-0.54	6.87	-2.84	836.89	-788.74	-481.86	530.02	-636.16
1	72	234	-2.81	-6.07	-3.00	-5.87	0.78	328.27	-1079.24	-694.28	-56.69	-627.41
1	72	235	0.66	-2.84	-2.33	0.16	1.22	819.81	-516.76	159.52	143.53	668.24
1	72	236	1.78	-1.29	-1.28	1.78	9.70e-02	872.66	-373.86	120.72	378.08	609.83
1	72	237	2.12	0.17	0.95	1.34	0.95	1018.26	-214.97	74.44	728.85	522.64
1	72	238	3.49	9.03e-02	1.48	2.11	1.67	1111.29	-54.53	80.93	975.83	373.59
1	72	239	3.62	0.17	1.03	2.76	1.49	1153.22	52.68	109.13	1096.77	242.77
1	72	240	3.33	0.37	0.72	2.98	0.96	1167.01	114.01	132.80	1148.22	139.42
1	72	241	3.08	0.52	0.58	3.02	0.38	1169.03	142.98	145.89	1166.12	54.56
1	72	242	3.02	0.55	0.57	3.01	-0.18	1168.85	147.38	147.88	1168.35	-22.64
1	72	243	3.18	0.45	0.66	2.96	-0.74	1168.17	128.32	138.67	1157.83	-103.21
1	72	244	3.39	0.29	0.91	2.77	-1.25	1160.52	80.07	117.84	1122.75	-198.44
1	72	245	3.26	0.22	1.26	2.22	-1.44	1131.55	-9.97	87.99	1033.59	-319.73
1	72	246	2.52	3.96e-02	0.75	1.81	-1.12	1058.34	-152.11	69.66	836.58	-468.25
1	72	247	1.78	-1.02	-0.78	1.54	-0.78	923.46	-320.35	97.15	505.96	-587.36
1	72	248	0.60	-2.35	-1.96	0.21	-1.00	821.30	-514.40	160.82	146.07	-667.81
1	72	249	8.51e-02	-2.40	-2.39	7.20e-02	0.18	991.92	-150.55	634.20	207.17	529.83
1	72	250	0.35	-1.34	-1.32	0.33	0.14	957.37	-7.36	549.83	400.18	476.52
1	72	251	0.84	-7.97e-02	0.30	0.45	0.45	986.10	116.70	430.75	672.05	417.62
1	72	252	1.87	0.12	1.15	0.84	0.86	1031.89	192.89	345.07	879.71	323.30
1	72	253	2.25	0.36	1.26	1.35	0.94	1067.90	229.79	293.83	1003.86	222.65
1	72	254	2.19	0.68	1.16	1.71	0.70	1087.79	244.41	265.63	1066.57	132.08
1	72	255	1.99	0.97	1.07	1.88	0.30	1095.67	248.86	252.12	1092.42	52.43
1	72	256	1.92	1.03	1.05	1.90	-0.13	1096.54	249.19	249.76	1095.96	-22.07
1	72	257	2.06	0.81	1.10	1.77	-0.52	1091.35	246.25	258.02	1079.58	-99.05
1	72	258	2.13	0.52	1.17	1.48	-0.79	1076.30	235.95	279.11	1033.14	-185.50
1	72	259	1.87	0.26	1.07	1.06	-0.81	1045.74	208.81	319.82	934.72	-283.88
1	72	260	1.17	-3.70e-02	0.41	0.72	-0.58	1000.51	150.20	391.79	758.91	-383.49
1	72	261	0.59	-0.93	-0.82	0.48	-0.40	960.47	43.77	499.79	504.45	-458.34
1	72	262	0.18	-2.28	-2.24	0.14	-0.32	990.48	-153.29	633.95	203.24	-529.79



1	72	263	-8.18e-02	-2.60	-2.59	-8.60e-02	-0.10	1047.35	77.59	900.34	224.60	347.78
1	72	264	-9.87e-02	-1.52	-1.52	-0.10	-5.85e-02	971.24	234.39	799.26	406.37	311.69
1	72	265	9.94e-02	-0.16	-4.23e-02	-2.25e-02	0.13	921.93	369.93	650.61	641.25	275.96
1	72	266	1.03	4.97e-02	0.88	0.20	0.36	937.96	406.50	525.63	818.84	221.63
1	72	267	1.50	0.32	1.28	0.54	0.46	980.78	387.06	432.98	934.86	158.60
1	72	268	1.58	0.65	1.38	0.85	0.38	1014.73	358.09	372.63	1000.19	96.62
1	72	269	1.46	0.96	1.38	1.04	0.18	1031.97	338.91	341.10	1029.78	38.85
1	72	270	1.38	1.05	1.37	1.07	-6.52e-02	1034.37	335.41	335.80	1033.98	-16.52
1	72	271	1.49	0.80	1.34	0.95	-0.28	1022.54	348.30	356.32	1014.51	-73.14
1	72	272	1.45	0.50	1.25	0.70	-0.39	994.36	374.25	404.60	964.00	-133.80
1	72	273	1.11	0.22	0.92	0.41	-0.36	951.84	400.90	484.23	868.50	-197.40
1	72	274	0.41	-4.49e-02	0.19	0.18	-0.23	918.87	393.22	597.23	714.86	-256.16
1	72	275	3.98e-02	-0.98	-0.97	3.01e-02	-9.89e-02	941.72	296.45	738.04	500.14	-299.91
1	72	276	-5.33e-02	-2.47	-2.47	-5.33e-02	-4.94e-03	1046.16	74.39	899.82	220.73	-347.55
1	72	277	-0.12	-2.65	-2.64	-0.13	-0.14	1051.33	200.39	1023.43	228.29	151.54
1	72	278	-0.20	-1.65	-1.63	-0.22	-0.15	950.75	371.45	916.88	405.32	135.92
1	72	279	-0.13	-0.31	-0.23	-0.21	-8.83e-02	829.54	553.07	758.10	624.50	121.02
1	72	280	0.71	-7.21e-02	0.71	-7.19e-02	1.48e-02	832.65	572.98	618.96	986.66	99.13
1	72	281	1.24	0.16	1.23	0.16	8.94e-02	908.88	496.48	509.77	895.58	72.84
1	72	282	1.46	0.40	1.45	0.41	9.83e-02	963.84	431.22	435.12	959.94	45.42
1	72	283	1.52	0.57	1.52	0.57	5.18e-02	990.98	394.44	395.01	990.40	18.51
1	72	284	1.51	0.60	1.51	0.60	-1.70e-02	994.87	388.21	388.31	994.77	-7.91
1	72	285	1.44	0.50	1.44	0.51	-7.19e-02	976.54	412.67	414.81	974.40	-34.63
1	72	286	1.25	0.31	1.24	0.32	-8.24e-02	932.14	467.10	475.53	923.71	-62.03
1	72	287	0.82	0.11	0.81	0.11	-3.78e-02	860.18	543.82	571.29	832.71	-89.09
1	72	288	6.54e-02	-6.77e-02	5.49e-02	-5.72e-02	3.58e-02	808.67	582.72	699.56	691.84	-112.91
1	72	289	-0.13	-1.08	-1.07	-0.14	8.97e-02	894.62	451.93	851.86	494.69	-130.78
1	72	290	-0.11	-2.55	-2.54	-0.11	9.40e-02	1050.53	197.26	1022.84	224.96	-151.22
1	72	291	-0.12	-2.57	-2.56	-0.12	-0.13	1035.63	224.04	1032.87	226.79	-47.24
1	72	292	-0.17	-1.63	-1.60	-0.20	-0.20	930.17	399.13	926.85	402.45	-41.89
1	72	293	3.64e-02	-0.49	-0.27	-0.19	-0.26	777.28	611.03	768.75	619.56	-36.70
1	72	294	0.73	-0.15	0.64	-6.68e-02	-0.26	784.91	624.76	629.99	779.67	-28.48
1	72	295	1.22	9.17e-02	1.17	0.13	-0.22	887.96	519.90	520.89	886.97	-19.03
1	72	296	1.44	0.33	1.42	0.35	-0.15	950.50	445.88	446.11	950.28	-10.64
1	72	297	1.51	0.48	1.50	0.49	-6.42e-02	980.24	405.84	405.86	980.21	-3.99
1	72	298	1.49	0.52	1.49	0.52	2.05e-02	984.49	399.15	399.15	984.48	1.71
1	72	299	1.42	0.43	1.41	0.44	0.10	964.57	425.68	425.79	964.45	7.86
1	72	300	1.22	0.25	1.19	0.28	0.17	915.19	486.12	486.69	914.62	15.59
1	72	301	0.82	2.68e-02	0.75	9.87e-02	0.23	827.62	579.93	582.45	825.10	24.86
1	72	302	0.24	-0.28	8.48e-03	-4.51e-02	0.26	734.29	662.37	710.41	686.25	33.87
1	72	303	-6.72e-02	-1.12	-1.07	-0.12	0.23	866.48	486.93	862.13	491.29	40.43
1	72	304	-0.10	-2.48	-2.47	-0.11	0.14	1035.12	220.86	1032.32	223.66	47.67
1	72	305	-4.34e-02	-2.36	-2.35	-5.94e-02	-0.19	1006.88	146.57	932.81	220.64	-241.32
1	72	306	3.50e-02	-1.51	-1.44	-3.47e-02	-0.32	921.99	309.40	832.99	398.40	-215.87
1	72	307	0.41	-0.55	-0.19	5.75e-02	-0.46	848.73	463.89	685.81	626.81	-190.15
1	72	308	1.01	-0.15	0.66	0.21	-0.53	870.81	488.50	561.35	797.95	-150.15
1	72	309	1.38	0.16	1.11	0.43	-0.51	932.65	444.68	468.25	909.08	-104.62
1	72	310	1.47	0.47	1.30	0.64	-0.38	978.11	400.21	406.94	971.38	-62.00
1	72	311	1.40	0.73	1.35	0.78	-0.17	1000.45	373.69	374.64	999.49	-24.44
1	72	312	1.35	0.80	1.34	0.81	5.66e-02	1003.59	369.09	369.26	1003.41	10.44
1	72	313	1.38	0.62	1.28	0.72	0.27	988.49	386.82	390.45	984.86	46.61
1	72	314	1.33	0.33	1.11	0.56	0.42	951.69	424.86	439.78	936.77	87.37
1	72	315	1.07	3.04e-02	0.72	0.37	0.49	892.81	472.99	520.12	845.69	132.52
1	72	316	0.62	-0.38	2.67e-02	0.22	0.49	844.38	486.82	632.83	698.38	175.75
1	72	317	0.24	-1.13	-0.97	8.02e-02	0.44	882.65	380.37	772.43	490.59	207.87
1	72	318	-9.97e-03	-2.29	-2.26	-3.80e-02	0.25	1006.59	143.19	932.39	217.38	241.98
1	72	319	0.25	-2.09	-1.96	0.13	-0.53	941.51	-36.15	702.60	202.76	-420.12
1	72	320	0.68	-1.44	-1.24	0.49	-0.61	899.42	108.79	619.10	389.11	-378.22
1	72	321	1.08	-0.52	-5.37e-02	0.61	-0.72	912.74	236.71	500.43	649.02	-329.75
1	72	322	1.63	-9.45e-02	0.74	0.80	-0.86	960.46	297.69	413.11	845.03	-251.35
1	72	323	1.88	0.21	1.01	1.08	-0.84	1005.55	314.16	358.58	961.13	-169.51
1	72	324	1.79	0.57	1.07	1.30	-0.60	1033.05	312.99	326.77	1019.28	-98.62
1	72	325	1.55	0.92	1.06	1.40	-0.26	1045.09	308.76	310.79	1043.06	-38.61
1	72	326	1.44	1.03	1.05	1.42	9.69e-02	1046.58	307.70	308.06	1046.22	16.37
1	72	327	1.65	0.73	1.04	1.34	0.43	1038.56	310.69	318.23	1031.02	73.71
1	72	328	1.76	0.38	0.98	1.17	0.68	1017.16	313.70	342.86	988.00	140.24
1	72	329	1.62	5.59e-02	0.72	0.95	0.77	977.76	306.10	387.28	896.58	218.95
1	72	330	1.27	-0.41	6.09e-02	0.80	0.76	927.00	266.48	461.32	732.16	301.22
1	72	331	0.94	-1.21	-0.87	0.61	0.78	896.00	164.17	569.29	490.88	363.81
1	72	332	0.35	-2.03	-1.85	0.18	0.61	941.78	-39.43	702.46	199.89	421.37
1	72	333	1.34	-2.56	-1.64	0.42	-1.66	777.54	-344.17	287.60	145.77	-556.36
1	72	334	2.42	-1.54	-1.30	2.19	-0.93	822.56	-209.17	246.49	366.91	-512.34
1	72	335	2.04	-0.34	0.14	1.56	-0.96	947.85	-55.31	195.11	697.43	-434.16
1	72	336	2.71	-3.03e-02	0.88	1.80	-1.29	1036.84	82.95	192.72	927.07	-304.40
1	72	337	2.84	0.13	0.81	2.16	-1.18	1080.90	167.31	210.58	1037.62	-194.07
1	72	338	2.59	0.39	0.70	2.27	-0.77	1097.92	210.94	224.78	1084.08	-109.93



1	72	339	2.34	0.60	0.66	2.28	-0.32	1102.19	229.81	231.90	1100.10	-42.62
1	72	340	2.28	0.65	0.66	2.27	0.13	1102.35	232.52	232.89	1101.99	17.89
1	72	341	2.43	0.50	0.68	2.25	0.57	1099.95	220.33	227.92	1092.36	81.38
1	72	342	2.64	0.26	0.75	2.15	0.96	1089.09	187.17	215.76	1060.51	158.00
1	72	343	2.55	9.84e-02	0.79	1.86	1.10	1057.06	119.31	197.01	979.36	258.51
1	72	344	2.31	-0.38	8.16e-02	1.85	1.01	985.88	1.76	188.31	799.34	385.72
1	72	345	2.40	-1.53	-1.09	1.96	1.24	867.29	-154.18	220.94	492.17	492.40
1	72	346	1.38	-2.12	-1.29	0.55	1.49	782.06	-344.11	288.78	149.18	558.74
1	72	347	0.11	-7.33	-6.13	-1.10	-2.74	315.33	-827.65	-472.26	-40.07	-529.06
1	72	348	6.23	0.47	0.58	6.12	-0.80	629.45	-622.51	-287.45	294.39	-554.27
1	72	349	3.67	-2.39e-02	0.20	3.45	-0.88	977.63	-395.39	-241.80	824.04	-432.77
1	72	350	4.91	-0.20	0.73	3.98	-1.97	1097.87	-110.30	-50.40	1037.98	-262.25
1	72	351	4.19	-0.10	0.32	3.76	-1.28	1143.87	42.09	65.92	1120.04	-160.28
1	72	352	3.57	7.71e-02	0.23	3.42	-0.71	1156.39	122.96	130.77	1148.57	-89.53
1	72	353	3.22	0.21	0.23	3.20	-0.27	1156.55	160.03	161.23	1155.34	-34.59
1	72	354	3.16	0.23	0.23	3.16	0.12	1155.93	165.80	166.01	1155.72	14.42
1	72	355	3.39	0.14	0.23	3.30	0.54	1156.55	142.17	146.46	1152.26	65.80
1	72	356	3.88	-1.33e-02	0.30	3.57	1.06	1150.89	80.73	96.39	1135.24	128.47
1	72	357	4.44	-9.70e-02	0.63	3.71	1.66	1122.12	-41.18	0.12	1080.82	215.26
1	72	358	2.95	0.33	0.43	2.85	0.50	1031.08	-277.24	-173.51	927.35	353.48
1	72	359	8.19	-2.64	-1.87	7.42	2.77	810.31	-574.35	-284.45	520.41	563.35
1	72	360	-0.45	-3.04	-1.67	-1.82	1.29	341.81	-795.45	-433.15	-20.49	529.88
1	72	361	14.06	-2.79	11.41	-0.14	6.13	-823.15	-1539.16	-1516.25	-846.06	-126.02
1	72	362	7.89	-7.54	3.68	-3.32	6.87	649.73	-1330.56	-1126.51	445.68	-602.04
1	72	363	9.83	-4.15	0.62	5.06	-6.62	991.59	-585.28	-539.66	945.97	-264.30
1	72	364	7.08	-1.18	-0.80	6.71	-1.72	1127.88	-205.97	-194.78	1116.68	-121.69
1	72	365	5.29	-0.39	-0.31	5.21	-0.68	1179.95	-18.77	-14.09	1175.26	-74.78
1	72	366	4.28	-0.15	-0.13	4.26	-0.30	1193.19	78.21	79.89	1191.51	-43.21
1	72	367	3.81	-4.13e-02	-3.85e-02	3.81	-0.10	1192.87	122.68	122.95	1192.60	-17.04
1	72	368	3.75	-2.84e-02	-2.79e-02	3.75	4.07e-02	1192.08	129.78	129.83	1192.03	7.29
1	72	369	4.08	-0.11	-9.94e-02	4.07	0.22	1193.03	101.90	102.85	1192.08	32.27
1	72	370	4.91	-0.32	-0.26	4.85	0.55	1187.26	29.53	32.73	1184.06	60.74
1	72	371	6.46	-0.98	-0.70	6.18	1.42	1154.71	-114.56	-106.66	1146.81	99.82
1	72	372	8.90	-3.41	7.22e-03	5.48	5.51	1062.10	-400.67	-369.05	1030.48	212.73
1	72	373	7.79	-5.29	7.37	-4.88	-2.30	862.98	-959.14	-864.23	768.08	404.88
1	72	374	12.23	-6.19	5.12	0.91	-8.97	-702.94	-1607.35	-1564.33	-745.97	192.51
1	72	375	46.31	-10.94	46.27	-10.89	1.61	716.32	-1109.17	-1108.47	715.62	35.79
1	72	376	19.28	2.26e-02	0.12	19.19	-1.34	1117.63	-505.23	-503.19	1115.59	-57.49
1	72	377	7.39	0.70	0.70	7.39	0.11	1131.75	-181.24	-180.08	1130.59	-39.05
1	72	378	5.28	-0.19	-0.19	5.28	2.66e-02	1183.99	-16.45	-15.59	1183.13	-32.10
1	72	379	4.34	-0.16	-0.16	4.34	-2.97e-03	1199.58	76.26	76.66	1199.17	-21.27
1	72	380	3.89	-6.41e-02	-6.40e-02	3.89	-8.53e-03	1200.18	119.67	119.75	1200.11	-8.86
1	72	381	3.83	-5.20e-02	-5.19e-02	3.83	-1.06e-02	1199.50	126.67	126.69	1199.48	4.03
1	72	382	4.15	-0.13	-0.13	4.15	-1.22e-02	1199.82	99.60	99.85	1199.57	16.65
1	72	383	4.94	-0.18	-0.18	4.94	-2.24e-02	1192.29	30.83	31.50	1191.61	28.05
1	72	384	6.72	0.49	0.49	6.71	-2.65e-02	1160.20	-95.75	-94.68	1159.14	36.59
1	72	385	16.12	0.39	0.51	15.99	1.40	1158.59	-350.46	-348.46	1156.59	54.84
1	72	386	33.72	6.29	33.72	6.29	0.22	907.50	-561.02	-560.87	907.35	14.90
1	72	387	16.09	-6.70	16.01	-6.63	1.28	-582.87	-1112.65	-1102.86	-592.66	71.36
1	72	388	6.53	-4.75	2.07	-0.28	-5.52	522.00	-1128.42	-950.61	344.19	511.71
1	72	389	10.11	-3.01	0.73	6.38	5.92	973.80	-507.17	-477.67	944.31	206.91
1	72	390	7.29	-1.04	-0.72	6.97	1.60	1122.95	-175.04	-171.65	1119.55	66.29
1	72	391	5.41	-0.38	-0.27	5.31	0.77	1183.65	-6.12	-5.48	1183.01	27.48
1	72	392	4.36	-0.12	-9.20e-02	4.33	0.38	1202.32	82.49	82.58	1202.22	10.38
1	72	393	3.88	-5.50e-03	-1.34e-03	3.88	0.13	1204.78	123.22	123.23	1204.77	3.05
1	72	394	3.82	6.08e-03	7.86e-03	3.82	-8.23e-02	1204.41	129.75	129.75	1204.41	-0.71
1	72	395	4.17	-9.01e-02	-6.66e-02	4.14	-0.32	1203.49	104.28	104.31	1203.46	-5.89
1	72	396	5.04	-0.31	-0.23	4.95	-0.67	1193.35	38.36	38.64	1193.07	-17.91
1	72	397	6.69	-0.89	-0.61	6.42	-1.42	1153.70	-91.36	-89.64	1151.98	-46.24
1	72	398	9.83	-3.00	2.23e-02	6.81	-5.44	1049.18	-340.33	-323.10	1031.95	-153.78
1	72	399	7.19	-3.16	6.44	-2.41	2.69	798.54	-847.78	-760.12	710.88	-369.64
1	72	400	10.49	-2.45	10.16	-2.12	2.04	-465.63	-1156.00	-1134.63	-486.99	-119.55
1	72	401	-1.76	-7.67	-7.27	-2.16	1.49	281.47	-612.01	-330.18	-0.36	415.19
1	72	402	3.68	1.20	1.20	3.67	-8.67e-02	576.29	-395.75	-167.85	348.39	411.81
1	72	403	4.90	-0.29	0.86	3.75	2.16	940.17	-247.17	-144.58	837.59	333.59
1	72	404	5.37	-0.37	0.85	4.15	2.34	1085.61	-36.52	-5.63	1054.71	183.62
1	72	405	4.46	-0.10	0.44	3.93	1.47	1156.01	74.76	84.16	1146.61	100.38
1	72	406	3.79	0.16	0.35	3.60	0.80	1184.62	133.00	135.42	1182.20	50.38
1	72	407	3.42	0.32	0.35	3.39	0.29	1193.05	159.36	159.68	1192.72	18.30
1	72	408	3.37	0.34	0.35	3.36	-0.16	1193.72	163.41	163.45	1193.67	-6.90
1	72	409	3.62	0.21	0.34	3.50	-0.65	1188.80	146.62	147.78	1187.63	-34.87
1	72	410	4.18	-2.03e-02	0.40	3.76	-1.25	1170.14	102.54	107.95	1164.72	-75.86
1	72	411	4.89	-0.26	0.70	3.93	-2.01	1120.24	13.35	32.21	1101.37	-143.26
1	72	412	3.75	0.12	0.78	3.09	-1.40	1005.59	-165.81	-102.30	942.09	-265.25
1	72	413	6.68	-1.90	-0.95	5.73	-2.69	739.85	-367.54	-169.48	541.80	-424.38
1	72	414	-2.87	-3.93	-2.88	-3.91	-0.12	302.20	-583.45	-297.32	16.06	-414.18



1	72	415	0.72	-3.10	-2.55	0.18	1.34	682.27	-134.40	374.41	173.46	395.78
1	72	416	1.62	-1.62	-1.52	1.52	0.57	724.75	-2.81	317.57	404.37	361.18
1	72	417	2.05	-0.31	0.53	1.21	1.13	879.20	100.59	243.32	736.47	301.27
1	72	418	3.10	-5.71e-02	1.23	1.82	1.55	1019.58	167.34	216.73	970.18	199.14
1	72	419	3.17	0.26	1.06	2.36	1.30	1105.93	198.89	214.36	1090.46	117.43
1	72	420	2.90	0.58	0.91	2.58	0.81	1149.39	211.94	216.02	1145.31	61.71
1	72	421	2.69	0.79	0.84	2.64	0.31	1166.63	216.47	217.03	1166.07	22.90
1	72	422	2.65	0.81	0.82	2.64	-0.16	1168.80	216.84	216.92	1168.71	-9.03
1	72	423	2.79	0.65	0.86	2.58	-0.64	1157.85	213.60	215.65	1155.81	-43.93
1	72	424	3.00	0.37	0.97	2.40	-1.11	1125.95	203.73	213.01	1116.67	-92.04
1	72	425	2.92	9.39e-02	1.07	1.95	-1.34	1057.36	179.22	211.11	1025.46	-164.29
1	72	426	2.37	-0.32	0.43	1.62	-1.21	934.92	127.60	225.64	836.88	-263.69
1	72	427	1.77	-1.42	-1.04	1.39	-1.04	772.40	37.54	282.54	527.40	-346.44
1	72	428	0.67	-2.69	-2.25	0.23	-1.13	683.15	-134.61	374.33	174.21	-396.45
1	72	429	0.11	-2.83	-2.77	4.95e-02	0.43	811.16	131.43	716.84	225.75	234.97
1	72	430	0.40	-1.67	-1.56	0.30	0.46	757.19	292.93	622.85	427.26	210.53
1	72	431	0.99	-0.33	0.17	0.49	0.65	806.19	387.27	489.48	703.99	179.92
1	72	432	1.84	0.17	1.12	0.90	0.83	945.10	359.08	389.31	914.87	129.62
1	72	433	2.16	0.61	1.35	1.41	0.78	1053.13	316.06	325.04	1044.16	80.84
1	72	434	2.14	0.98	1.31	1.80	0.53	1113.96	285.26	287.56	1111.67	43.59
1	72	435	2.06	1.19	1.25	2.00	0.22	1140.66	268.75	269.06	1140.36	16.26
1	72	436	2.03	1.21	1.23	2.02	-0.11	1144.38	265.66	265.71	1144.33	-6.68
1	72	437	2.08	1.05	1.26	1.87	-0.42	1127.01	275.79	276.96	1125.84	-31.54
1	72	438	2.10	0.72	1.26	1.56	-0.68	1080.22	300.04	305.42	1074.84	-64.55
1	72	439	1.88	0.31	1.04	1.15	-0.78	989.67	338.76	357.79	970.64	-109.66
1	72	440	1.29	-0.21	0.27	0.80	-0.70	854.14	380.17	443.85	790.47	-161.63
1	72	441	0.71	-1.24	-1.04	0.51	-0.59	751.90	346.77	565.86	532.81	-201.89
1	72	442	0.20	-2.70	-2.62	0.12	-0.46	809.63	125.75	714.87	220.51	-236.27
1	72	443	-3.98e-02	-3.00	-2.99	-4.32e-02	0.10	852.02	236.62	849.50	239.14	39.29
1	72	444	3.75e-02	-1.70	-1.68	2.35e-02	0.15	748.15	432.08	744.34	435.89	34.50
1	72	445	0.38	-9.23e-02	5.25e-02	0.24	0.22	702.34	583.89	591.51	694.71	29.07
1	72	446	1.17	0.51	1.07	0.61	0.24	894.74	465.54	466.56	893.72	20.92
1	72	447	1.55	0.98	1.45	1.08	0.22	1023.86	377.53	377.78	1023.62	12.62
1	72	448	1.65	1.34	1.50	1.49	0.15	1095.97	322.53	322.58	1095.92	6.27
1	72	449	1.74	1.44	1.45	1.72	7.13e-02	1128.22	294.68	294.68	1128.22	2.00
1	72	450	1.75	1.44	1.44	1.75	-2.26e-02	1132.88	289.73	289.73	1132.87	-1.21
1	72	451	1.65	1.38	1.46	1.57	-0.12	1111.90	307.02	307.05	1111.87	-4.74
1	72	452	1.56	1.08	1.40	1.24	-0.22	1056.18	349.74	349.88	1056.05	-9.84
1	72	453	1.26	0.65	1.04	0.86	-0.29	949.08	424.00	424.56	948.52	-17.13
1	72	454	0.71	2.72e-02	0.18	0.56	-0.28	777.39	533.25	536.00	774.64	-25.77
1	72	455	0.33	-1.18	-1.16	0.31	-0.17	686.75	527.68	679.37	535.05	-33.44
1	72	456	4.15e-02	-2.84	-2.84	4.11e-02	-3.42e-02	849.21	229.86	846.43	232.64	-41.38
1	72	457	8.50e-02	-2.98	-2.96	6.80e-02	-0.23	845.71	190.72	803.17	233.26	-161.41
1	72	458	0.28	-1.75	-1.74	0.27	-0.13	765.53	369.17	701.83	432.87	-145.57
1	72	459	0.52	5.59e-03	7.96e-02	0.45	-0.18	773.32	481.61	555.35	699.59	-126.78
1	72	460	1.33	0.61	1.13	0.81	-0.33	921.93	420.28	438.77	903.44	-94.51
1	72	461	1.72	1.03	1.45	1.30	-0.34	1038.94	352.36	358.00	1033.30	-61.93
1	72	462	1.82	1.33	1.46	1.68	-0.22	1105.89	306.78	308.34	1104.33	-35.27
1	72	463	1.90	1.41	1.42	1.89	-7.57e-02	1135.97	283.10	283.33	1135.74	-13.99
1	72	464	1.92	1.41	1.42	1.91	6.73e-02	1140.40	278.81	278.84	1140.37	4.89
1	72	465	1.83	1.37	1.46	1.73	0.19	1121.07	293.32	294.08	1120.31	25.08
1	72	466	1.66	1.18	1.45	1.40	0.24	1069.53	328.53	331.95	1066.11	50.20
1	72	467	1.25	0.88	1.13	1.00	0.17	970.98	387.03	398.82	959.18	82.15
1	72	468	0.74	0.14	0.15	0.73	5.79e-02	822.93	459.71	501.75	780.89	116.20
1	72	469	0.61	-1.39	-1.37	0.59	0.19	734.17	436.00	638.52	531.65	139.18
1	72	470	0.27	-2.90	-2.84	0.21	0.45	839.36	184.93	798.90	225.39	157.60
1	72	471	0.73	-3.31	-2.94	0.36	-1.17	768.48	-7.56	565.15	195.76	-341.24
1	72	472	1.36	-1.98	-1.97	1.36	-0.14	765.06	140.37	487.57	417.86	-310.40
1	72	473	1.46	3.10e-02	0.35	1.14	-0.60	868.64	233.31	378.68	723.27	-266.88
1	72	474	2.46	0.44	1.26	1.64	-0.99	996.21	258.13	309.62	944.72	-188.02
1	72	475	2.62	0.77	1.29	2.10	-0.84	1088.50	252.78	269.90	1071.38	-118.39
1	72	476	2.55	1.02	1.23	2.34	-0.53	1139.64	243.33	248.14	1134.84	-65.45
1	72	477	2.48	1.15	1.18	2.45	-0.19	1161.64	237.07	237.77	1160.94	-25.40
1	72	478	2.47	1.17	1.19	2.46	0.15	1164.84	235.73	235.82	1164.76	9.04
1	72	479	2.51	1.10	1.27	2.34	0.46	1151.18	239.29	241.62	1148.86	46.00
1	72	480	2.51	0.94	1.38	2.08	0.71	1113.12	246.22	256.48	1102.86	93.73
1	72	481	2.20	0.74	1.34	1.61	0.72	1036.97	251.27	285.04	1003.20	159.35
1	72	482	1.47	0.17	0.28	1.35	0.36	914.78	239.30	340.23	813.85	240.81
1	72	483	1.42	-1.88	-1.85	1.39	0.32	780.87	178.18	436.73	522.32	298.29
1	72	484	0.91	-3.36	-2.91	0.46	1.31	756.16	-8.15	560.07	187.95	333.80
1	72	485	-0.32	-8.52	-8.31	-0.53	-1.29	455.00	-371.89	20.95	62.17	-412.93
1	72	486	2.96	-0.85	-4.06e-02	2.15	1.56	659.17	-177.22	97.79	384.16	-392.92
1	72	487	5.16	-0.32	0.81	4.03	-2.22	939.64	-74.41	70.45	794.77	-354.84
1	72	488	4.24	0.36	0.97	3.63	-1.41	1068.83	49.65	101.91	1016.57	-224.79
1	72	489	3.80	0.55	0.94	3.41	-1.06	1146.68	118.65	136.20	1129.13	-133.20
1	72	490	3.44	0.69	0.84	3.29	-0.64	1182.26	155.73	160.63	1177.37	-70.70



1	72	491	3.25	0.78	0.80	3.23	-0.22	1194.93	172.61	173.31	1194.22	-26.84
1	72	492	3.23	0.80	0.82	3.22	0.18	1196.55	175.45	175.53	1196.46	9.41
1	72	493	3.40	0.77	0.90	3.26	0.58	1189.30	165.13	167.44	1186.99	48.59
1	72	494	3.70	0.71	1.09	3.32	1.00	1165.42	137.03	147.17	1155.28	101.62
1	72	495	3.92	0.66	1.26	3.31	1.27	1108.26	79.29	111.99	1075.56	180.47
1	72	496	3.37	0.47	0.85	3.00	0.97	997.90	-37.74	61.35	898.80	304.64
1	72	497	4.01	-2.11	-2.07	3.96	0.51	750.77	-155.97	72.07	522.72	393.41
1	72	498	-3.28	-5.70	-5.18	-3.80	1.00	452.27	-368.27	31.20	52.80	410.13
1	72	499	12.44	-14.68	11.98	-14.21	-3.52	37.67	-684.99	-482.95	-164.37	-324.32
1	72	500	6.79	-4.91	-4.08	5.97	2.99	502.55	-841.69	-546.64	207.50	-556.39
1	72	501	6.67	-0.30	-7.77e-02	6.44	1.23	971.01	-445.73	-356.48	881.77	-344.20
1	72	502	5.54	0.87	1.03	5.38	-0.85	1129.08	-160.88	-137.94	1106.14	-170.48
1	72	503	4.78	0.48	0.62	4.64	-0.77	1193.77	-8.30	-1.66	1187.13	-89.09
1	72	504	4.21	0.40	0.46	4.15	-0.47	1216.61	73.91	75.59	1214.92	-43.83
1	72	505	3.92	0.43	0.43	3.91	-0.17	1221.47	112.41	112.63	1221.24	-15.92
1	72	506	3.91	0.45	0.45	3.91	0.12	1221.65	119.24	119.27	1221.62	5.50
1	72	507	4.19	0.46	0.51	4.15	0.43	1219.52	96.53	97.29	1218.76	29.23
1	72	508	4.79	0.57	0.71	4.64	0.77	1206.79	37.06	40.66	1203.20	64.76
1	72	509	5.66	0.99	1.26	5.40	1.08	1165.64	-78.98	-65.85	1152.51	127.16
1	72	510	6.37	1.02	1.04	6.35	0.36	1059.47	-303.54	-248.59	1004.53	268.10
1	72	511	4.18	-4.38	-0.37	0.17	-4.27	712.12	-730.30	-517.20	499.01	511.83
1	72	512	9.85	-8.74	9.78	-8.67	1.14	106.58	-681.73	-481.32	-93.83	343.25
1	72	513	2.74	0.29	0.29	2.73	-8.80e-02	957.77	-59.41	-27.70	926.05	176.79
1	72	514	25.01	-25.46	24.83	-25.28	-2.98	587.20	-1674.60	-1674.60	587.20	-0.66
1	72	515	11.85	4.87	10.32	6.40	-2.89	1083.10	-618.31	-617.75	1082.54	30.94
1	72	516	5.96	1.80	1.83	5.94	-0.29	1157.12	-272.87	-271.62	1155.88	42.24
1	72	517	5.14	0.50	0.50	5.14	-1.44e-02	1209.92	-75.65	-74.75	1209.01	34.16
1	72	518	4.48	0.28	0.28	4.48	4.62e-03	1223.58	32.29	32.72	1223.15	22.61
1	72	519	4.15	0.27	0.27	4.15	-1.18e-02	1223.09	82.93	83.02	1223.00	9.76
1	72	520	4.14	0.29	0.29	4.14	-3.81e-02	1222.29	91.85	91.86	1222.28	-3.53
1	72	521	4.46	0.33	0.33	4.45	-7.10e-02	1223.60	61.88	62.12	1223.37	-16.50
1	72	522	5.14	0.56	0.56	5.14	-9.76e-02	1218.38	-15.70	-15.05	1217.74	-28.23
1	72	523	6.14	1.80	1.80	6.14	4.23e-02	1188.29	-161.10	-160.10	1187.29	-36.75
1	72	524	11.03	6.26	10.07	7.21	1.91	1161.69	-406.57	-405.75	1160.87	-35.78
1	72	525	23.24	-11.03	23.13	-10.91	1.99	871.34	-1091.16	-1091.13	871.31	-7.88
1	72	526	4.24	-2.57	-2.56	4.24	0.14	606.36	-115.05	-20.51	511.82	243.44
1	72	527	-1.94	-5.13	-3.75	-3.32	1.58	232.62	-244.40	-60.31	48.53	232.22
1	72	528	11.04	-11.70	10.42	-11.07	-3.71	-196.88	-573.20	-534.78	-235.30	-113.93
1	72	529	5.41	-4.78	-3.42	4.04	3.47	351.86	-738.22	-574.08	187.72	-389.86
1	72	530	4.94	-0.47	-0.32	4.79	0.89	916.01	-391.05	-361.48	886.45	-194.34
1	72	531	4.60	0.93	0.99	4.54	-0.44	1135.17	-132.97	-130.62	1132.82	-54.57
1	72	532	4.17	0.64	0.68	4.13	-0.38	1231.83	3.55	3.62	1231.76	-9.17
1	72	533	3.84	0.51	0.52	3.83	-0.20	1271.34	78.14	78.15	1271.33	3.87
1	72	534	3.67	0.47	0.47	3.67	-2.80e-02	1283.62	113.73	113.74	1283.62	2.90
1	72	535	3.66	0.48	0.49	3.66	0.12	1284.90	119.88	119.89	1284.89	-2.94
1	72	536	3.83	0.54	0.56	3.80	0.30	1278.00	98.16	98.20	1277.95	-7.11
1	72	537	4.17	0.69	0.77	4.09	0.52	1252.58	42.74	42.74	1252.57	-2.04
1	72	538	4.63	1.06	1.22	4.47	0.75	1185.55	-63.52	-62.94	1184.98	26.73
1	72	539	15.08	-11.48	15.08	-11.48	-7.88e-03	-291.10	-1067.91	-942.39	-416.62	285.92
1	72	540	8.68	-6.74	-3.63	5.57	-6.18	524.74	-1195.74	-884.18	213.18	662.54
1	72	541	5.98	-0.32	-0.22	5.88	0.77	1008.21	-617.78	-515.24	905.67	395.24
1	72	542	5.62	0.65	0.75	5.52	0.71	1142.08	-242.60	-211.27	1110.75	205.93
1	72	543	4.79	0.40	0.48	4.71	0.56	1190.96	-51.66	-39.10	1178.41	124.27
1	72	544	4.17	0.34	0.37	4.15	0.33	1202.23	50.71	55.04	1197.91	70.42
1	72	545	3.85	0.37	0.37	3.85	0.10	1200.76	98.67	99.38	1200.04	28.05
1	72	546	3.83	0.39	0.40	3.82	-0.13	1199.85	106.85	106.95	1199.75	-10.17
1	72	547	4.10	0.42	0.46	4.06	-0.39	1201.83	77.68	79.88	1199.63	-49.71
1	72	548	4.66	0.52	0.64	4.54	-0.68	1198.36	2.00	9.87	1190.48	-96.73
1	72	549	5.46	0.85	1.09	5.21	-1.04	1170.78	-146.22	-125.48	1150.04	-163.98
1	72	550	6.11	-7.05e-02	0.58	5.46	-1.90	1080.71	-442.41	-372.37	1010.67	-319.01
1	72	551	6.39	-6.66	0.78	-1.05	6.46	762.96	-972.13	-763.79	554.62	-563.99
1	72	552	10.15	-5.44	9.82	-5.11	2.24	-202.90	-1100.85	-960.86	-342.90	-325.74
1	72	553	0.34	-9.04	-8.35	-0.36	2.47	448.06	-729.48	-280.99	-0.43	571.82
1	72	554	4.67	0.35	0.47	4.55	-0.71	699.32	-482.59	-119.98	336.71	545.06
1	72	555	5.40	-0.48	-1.98e-02	4.93	1.59	998.25	-321.60	-112.27	788.92	482.15
1	72	556	4.41	0.31	0.79	3.93	1.31	1095.83	-92.70	-2.86	1005.99	314.17
1	72	557	3.83	0.43	0.75	3.51	1.00	1139.38	41.63	78.60	1102.40	198.05
1	72	558	3.38	0.55	0.68	3.25	0.61	1150.89	116.63	129.00	1138.53	112.41
1	72	559	3.12	0.66	0.68	3.10	0.21	1150.74	151.81	153.79	1148.77	44.41
1	72	560	3.07	0.70	0.71	3.06	-0.18	1150.16	157.41	157.69	1149.88	-16.66
1	72	561	3.25	0.65	0.79	3.12	-0.57	1151.10	134.92	141.33	1144.69	-80.44
1	72	562	3.56	0.61	0.94	3.22	-0.94	1146.21	76.86	100.50	1122.58	-157.23
1	72	563	3.76	0.63	1.08	3.31	-1.10	1118.53	-35.30	26.57	1056.66	-259.93
1	72	564	3.33	1.62e-02	1.81e-02	3.33	-7.84e-02	1038.75	-242.64	-92.37	888.47	-412.29
1	72	565	7.12	-3.13	-2.82	6.81	-1.75	818.78	-454.48	-130.62	494.92	-554.50
1	72	566	-1.62	-5.18	-3.76	-3.03	-1.74	457.55	-704.31	-252.96	6.20	-566.30



1	72	567	1.36	-2.98	-2.13	0.51	1.73	850.71	-286.47	404.96	159.28	555.16
1	72	568	2.28	-1.85	-1.75	2.18	0.63	868.71	-143.09	350.53	375.09	505.75
1	72	569	1.97	-0.26	5.47e-02	1.65	0.78	960.26	-4.33	275.46	680.47	437.73
1	72	570	2.58	0.23	0.96	1.85	1.09	1028.80	112.90	243.25	898.45	320.00
1	72	571	2.64	0.48	1.06	2.07	0.96	1066.44	181.16	235.12	1012.47	211.81
1	72	572	2.43	0.78	1.06	2.14	0.63	1082.04	215.91	233.77	1064.18	123.10
1	72	573	2.20	1.02	1.07	2.15	0.24	1086.24	230.66	233.46	1083.43	48.91
1	72	574	2.14	1.07	1.10	2.12	-0.15	1086.44	232.53	232.95	1086.02	-19.05
1	72	575	2.28	0.91	1.14	2.05	-0.51	1083.96	222.45	231.93	1074.47	-89.89
1	72	576	2.39	0.69	1.16	1.91	-0.76	1073.42	195.04	230.47	1037.99	-172.83
1	72	577	2.14	0.51	0.99	1.66	-0.74	1044.16	138.16	231.84	950.47	-275.86
1	72	578	1.97	-0.34	-0.21	1.84	-0.54	983.44	37.75	252.26	768.93	-396.04
1	72	579	2.35	-2.12	-1.92	2.14	-0.93	888.69	-96.44	313.28	478.97	-485.54
1	72	580	1.66	-2.87	-1.90	0.69	-1.86	841.04	-283.05	401.68	156.31	-548.49
1	72	581	0.23	-2.45	-2.36	0.14	0.49	974.27	-8.16	760.28	205.83	405.52
1	72	582	0.60	-1.64	-1.53	0.49	0.49	921.69	138.56	672.01	388.24	364.95
1	72	583	0.91	-0.43	-0.13	0.60	0.56	914.10	265.90	544.47	635.53	320.89
1	72	584	1.49	0.11	0.83	0.77	0.69	946.55	320.40	444.98	821.98	249.97
1	72	585	1.80	0.44	1.23	1.01	0.67	985.32	328.12	377.48	935.96	173.21
1	72	586	1.77	0.80	1.36	1.21	0.48	1011.31	319.97	335.75	995.53	103.25
1	72	587	1.56	1.14	1.41	1.30	0.20	1023.30	311.78	314.19	1020.89	41.36
1	72	588	1.47	1.25	1.42	1.29	-9.03e-02	1024.81	309.75	310.14	1024.42	-16.64
1	72	589	1.65	0.94	1.39	1.19	-0.34	1016.52	314.67	323.14	1008.04	-76.67
1	72	590	1.64	0.63	1.25	1.02	-0.49	995.18	322.62	355.04	962.76	-144.05
1	72	591	1.33	0.33	0.81	0.86	-0.50	958.36	322.47	410.91	869.92	-220.03
1	72	592	1.03	-0.35	-0.15	0.84	-0.48	917.02	290.15	498.09	709.08	-295.15
1	72	593	0.97	-1.54	-1.33	0.77	-0.69	904.05	191.70	616.48	479.28	-349.51
1	72	594	0.50	-2.44	-2.23	0.28	-0.77	966.59	-10.76	756.26	199.57	-401.65
1	72	595	-5.55e-02	-2.71	-2.70	-6.31e-02	0.14	1013.24	155.52	950.12	218.64	223.96
1	72	596	-1.49e-02	-1.70	-1.67	-4.73e-02	0.23	925.45	317.04	849.76	392.73	200.80
1	72	597	0.26	-0.45	-0.23	3.63e-02	0.33	840.49	474.06	700.91	613.63	177.94
1	72	598	0.94	-6.33e-03	0.75	0.18	0.38	851.36	499.90	573.14	778.12	142.74
1	72	599	1.43	0.27	1.30	0.40	0.37	909.73	451.74	475.62	885.84	101.82
1	72	600	1.61	0.54	1.54	0.61	0.27	954.22	403.21	410.24	947.20	61.82
1	72	601	1.64	0.71	1.62	0.73	0.12	976.36	374.24	375.27	975.33	24.89
1	72	602	1.63	0.74	1.63	0.74	-3.24e-02	979.46	368.86	369.03	979.29	-10.30
1	72	603	1.58	0.62	1.55	0.65	-0.17	964.23	387.53	391.30	960.47	-46.44
1	72	604	1.38	0.43	1.31	0.50	-0.26	927.28	428.40	443.54	912.14	-85.57
1	72	605	0.93	0.21	0.78	0.36	-0.29	869.18	480.86	528.03	822.00	-126.86
1	72	606	0.46	-0.29	-0.10	0.27	-0.33	827.18	496.08	644.68	678.57	-164.68
1	72	607	0.27	-1.34	-1.24	0.17	-0.38	878.50	386.05	786.39	478.16	-192.03
1	72	608	4.00e-02	-2.61	-2.58	6.89e-03	-0.29	1008.18	151.42	946.34	213.26	-221.72
1	72	609	-0.12	-2.86	-2.86	-0.12	8.61e-02	1023.07	220.60	1021.78	221.88	32.07
1	72	610	-0.19	-1.78	-1.77	-0.20	0.12	919.25	392.22	917.69	393.78	28.63
1	72	611	-8.30e-02	-0.36	-0.27	-0.17	0.13	766.22	602.00	762.14	606.08	25.56
1	72	612	0.76	-5.32e-02	0.75	-3.98e-02	0.10	765.08	622.22	625.36	761.94	20.95
1	72	613	1.34	0.17	1.33	0.17	7.03e-02	866.54	516.88	517.55	865.87	15.25
1	72	614	1.61	0.39	1.61	0.39	4.57e-02	927.14	443.16	443.34	926.96	9.33
1	72	615	1.71	0.52	1.71	0.53	2.92e-02	955.84	403.07	403.09	955.81	3.67
1	72	616	1.71	0.55	1.71	0.55	1.55e-02	959.92	395.99	395.99	959.92	-1.77
1	72	617	1.61	0.46	1.61	0.46	-3.23e-03	940.55	421.86	421.96	940.45	-7.25
1	72	618	1.35	0.30	1.35	0.31	-3.55e-02	892.21	481.50	481.90	891.81	-12.91
1	72	619	0.83	0.14	0.81	0.15	-8.62e-02	805.59	574.91	576.40	804.10	-18.48
1	72	620	0.14	-0.16	-6.46e-02	4.38e-02	-0.14	714.30	656.29	702.61	667.98	-23.27
1	72	621	-1.02e-02	-1.28	-1.26	-3.27e-02	-0.17	853.64	475.52	851.73	477.43	-26.76
1	72	622	-6.97e-02	-2.76	-2.76	-7.48e-02	-0.12	1019.20	215.82	1017.99	217.03	-31.12
1	72	623	-0.10	-2.87	-2.86	-0.10	7.08e-02	1023.93	188.46	991.55	220.84	-161.27
1	72	624	-0.15	-1.75	-1.74	-0.15	4.82e-02	928.22	355.09	888.96	394.35	-144.77
1	72	625	-7.70e-02	-0.22	-0.20	-0.11	-5.84e-02	816.33	531.26	736.21	611.38	-128.14
1	72	626	0.87	1.57e-02	0.82	6.05e-02	-0.19	820.00	554.78	603.50	771.28	-102.70
1	72	627	1.41	0.26	1.35	0.32	-0.24	890.39	486.56	500.38	876.57	-73.42
1	72	628	1.61	0.52	1.57	0.56	-0.19	941.40	426.15	430.08	937.47	-44.84
1	72	629	1.65	0.70	1.65	0.70	-7.27e-02	966.47	391.54	392.12	965.89	-18.33
1	72	630	1.66	0.72	1.65	0.72	6.38e-02	970.09	385.30	385.39	970.01	7.09
1	72	631	1.62	0.59	1.59	0.62	0.17	953.15	407.68	409.72	951.11	33.27
1	72	632	1.43	0.40	1.38	0.44	0.21	911.63	457.61	466.15	903.09	61.68
1	72	633	0.93	0.21	0.90	0.25	0.15	844.00	526.68	555.96	814.73	91.83
1	72	634	0.14	-1.46e-02	1.90e-03	0.12	4.70e-02	796.09	556.76	677.76	675.10	119.66
1	72	635	4.48e-02	-1.26	-1.26	4.46e-02	1.39e-02	873.28	429.47	823.74	479.01	139.76
1	72	636	-3.58e-02	-2.78	-2.78	-3.59e-02	1.70e-02	1019.55	183.34	987.35	215.54	160.89
1	72	637	4.42e-02	-2.72	-2.72	3.88e-02	-0.12	1004.93	59.35	851.73	212.55	-348.42
1	72	638	0.19	-1.63	-1.63	0.19	-8.09e-02	937.76	212.76	757.37	393.16	-313.44
1	72	639	0.46	-0.17	2.10e-02	0.27	-0.29	901.15	349.06	619.45	630.75	-275.99
1	72	640	1.37	0.14	0.99	0.52	-0.57	920.87	393.42	507.01	807.28	-216.82
1	72	641	1.75	0.45	1.33	0.87	-0.61	960.80	382.33	425.59	917.55	-152.15
1	72	642	1.74	0.81	1.42	1.13	-0.44	991.05	358.96	372.58	977.43	-91.78



1	72	643	1.54	1.16	1.44	1.26	-0.17	1006.07	342.48	344.57	1003.98	-37.19
1	72	644	1.51	1.21	1.46	1.27	0.12	1008.20	339.21	339.52	1007.89	14.51
1	72	645	1.71	0.91	1.46	1.16	0.37	998.08	349.83	357.01	990.91	67.81
1	72	646	1.72	0.61	1.39	0.94	0.51	973.20	370.41	398.36	945.26	126.75
1	72	647	1.34	0.37	1.05	0.66	0.44	933.80	388.09	467.07	854.82	192.00
1	72	648	0.62	1.27e-02	0.13	0.51	0.24	898.87	370.16	567.49	701.54	255.72
1	72	649	0.48	-1.31	-1.29	0.45	0.22	909.93	269.20	697.09	482.03	301.78
1	72	650	0.21	-2.70	-2.66	0.17	0.34	997.98	54.66	846.66	205.98	346.18
1	72	651	0.61	-2.93	-2.64	0.32	-0.96	920.50	-175.63	566.72	178.16	-512.47
1	72	652	1.31	-1.71	-1.71	1.31	-1.95e-02	910.03	-26.91	496.69	386.43	-465.22
1	72	653	1.48	6.63e-02	0.48	1.06	-0.64	962.07	107.48	398.37	671.17	-404.94
1	72	654	2.52	0.23	1.21	1.55	-1.13	1010.25	200.08	336.84	873.50	-303.47
1	72	655	2.60	0.50	1.18	1.91	-0.98	1043.42	243.82	301.00	986.24	-206.04
1	72	656	2.38	0.80	1.12	2.06	-0.64	1060.30	261.50	280.53	1041.27	-121.81
1	72	657	2.16	1.05	1.10	2.11	-0.24	1066.35	267.33	270.33	1063.35	-48.89
1	72	658	2.13	1.09	1.12	2.11	0.17	1067.01	267.98	268.43	1066.56	18.87
1	72	659	2.32	0.92	1.19	2.05	0.55	1063.37	264.28	274.31	1053.34	88.97
1	72	660	2.49	0.68	1.29	1.88	0.85	1051.48	251.18	288.52	1014.14	168.79
1	72	661	2.29	0.53	1.30	1.51	0.88	1024.65	216.27	314.28	926.64	263.86
1	72	662	1.53	0.20	0.40	1.32	0.48	978.17	140.17	363.12	755.22	370.30
1	72	663	1.40	-1.60	-1.57	1.38	0.28	915.82	18.66	449.54	484.94	448.23
1	72	664	0.82	-3.00	-2.63	0.45	1.12	909.14	-176.33	560.79	172.01	506.73
1	72	665	-0.38	-8.15	-8.09	-0.43	-0.66	592.71	-537.64	5.19	49.88	-564.73
1	72	666	2.99	-0.42	0.58	1.99	1.55	781.72	-325.22	91.99	364.50	-536.44
1	72	667	5.43	-0.17	1.04	4.22	-2.31	1010.12	-175.80	72.84	761.48	-482.75
1	72	668	4.38	0.31	0.95	3.74	-1.48	1084.03	-4.73	109.62	969.68	-333.81
1	72	669	3.80	0.43	0.83	3.40	-1.09	1122.55	98.45	146.81	1074.19	-217.24
1	72	670	3.35	0.55	0.72	3.18	-0.66	1134.03	156.70	173.05	1117.68	-125.34
1	72	671	3.09	0.67	0.69	3.06	-0.24	1134.78	184.06	186.67	1132.17	-49.73
1	72	672	3.07	0.70	0.72	3.06	0.17	1134.42	188.74	189.12	1134.04	19.10
1	72	673	3.29	0.66	0.80	3.15	0.60	1134.75	172.03	180.61	1126.17	90.47
1	72	674	3.69	0.60	0.98	3.30	1.02	1129.58	127.95	159.12	1098.42	173.92
1	72	675	4.06	0.61	1.24	3.44	1.33	1105.36	42.20	121.64	1025.92	279.54
1	72	676	3.63	0.63	1.03	3.23	1.02	1045.65	-117.81	66.67	861.16	424.98
1	72	677	4.37	-1.59	-1.52	4.30	0.64	862.05	-288.20	70.35	503.50	532.79
1	72	678	-3.25	-5.12	-4.97	-3.40	0.51	592.40	-533.50	14.89	44.00	562.76
1	72	679	12.95	-14.36	12.81	-14.22	-1.92	167.06	-821.77	-489.87	-164.84	-466.94
1	72	680	7.65	-5.36	-4.30	6.59	3.55	615.80	-965.06	-559.34	210.09	-690.49
1	72	681	7.06	0.33	0.48	6.90	1.01	1025.73	-510.41	-349.28	864.60	-470.69
1	72	682	5.69	0.87	0.99	5.57	-0.73	1143.22	-197.62	-137.57	1083.17	-277.33
1	72	683	4.78	0.43	0.53	4.68	-0.67	1187.40	-25.86	-1.22	1162.76	-171.16
1	72	684	4.16	0.33	0.38	4.11	-0.43	1197.98	68.63	77.04	1189.57	-97.11
1	72	685	3.85	0.35	0.36	3.84	-0.17	1196.66	113.47	114.82	1195.31	-38.21
1	72	686	3.84	0.37	0.37	3.84	9.26e-02	1195.79	121.44	121.65	1195.58	15.05
1	72	687	4.14	0.40	0.43	4.11	0.37	1197.60	94.87	99.37	1193.11	70.25
1	72	688	4.79	0.53	0.64	4.68	0.67	1194.39	26.17	42.11	1178.44	135.54
1	72	689	5.79	1.03	1.22	5.59	0.95	1170.08	-105.08	-64.33	1129.32	224.30
1	72	690	6.83	1.51	1.56	6.79	0.49	1099.29	-353.37	-241.65	987.58	387.05
1	72	691	5.31	-5.26	-0.48	0.53	-5.26	796.43	-834.74	-525.29	486.98	639.53
1	72	692	9.47	-7.85	9.45	-7.84	-0.50	225.49	-819.73	-494.61	-99.63	483.86
1	72	693	3.74	-4.25	4.89e-02	-0.56	-3.99	610.37	-629.10	-526.39	507.66	341.70
1	72	694	24.08	-25.81	24.06	-25.79	-0.95	566.92	-1703.48	-1698.03	561.47	-111.12
1	72	695	11.23	5.45	10.51	6.17	-1.91	1088.37	-628.07	-623.73	1084.03	-86.19
1	72	696	5.77	1.91	1.91	5.77	2.82e-03	1167.70	-280.54	-277.68	1164.84	-64.32
1	72	697	5.04	0.53	0.53	5.04	0.12	1224.54	-81.79	-80.07	1222.82	-47.36
1	72	698	4.43	0.28	0.28	4.43	5.97e-02	1240.52	27.14	27.89	1239.77	-30.15
1	72	699	4.12	0.25	0.25	4.12	-6.16e-03	1241.11	78.31	78.44	1240.98	-12.25
1	72	700	4.11	0.27	0.27	4.11	-7.00e-02	1240.47	87.30	87.33	1240.44	5.99
1	72	701	4.42	0.33	0.33	4.41	-0.15	1241.10	56.94	57.44	1240.61	24.23
1	72	702	5.07	0.57	0.59	5.05	-0.25	1234.17	-21.50	-20.08	1232.75	42.22
1	72	703	6.00	1.88	1.89	5.99	-0.24	1201.02	-168.17	-165.51	1198.36	60.27
1	72	704	10.59	6.70	10.24	7.05	1.11	1170.20	-414.15	-410.56	1166.62	75.31
1	72	705	22.95	-11.96	22.95	-11.96	0.17	866.13	-1115.86	-1109.61	859.88	111.12
1	72	706	9.02	-6.77	8.85	-6.60	1.64	-124.15	-581.28	-532.53	-172.89	141.09
1	72	707	19.39	-21.48	19.33	-21.42	-1.61	528.91	-1454.91	-1448.35	522.35	113.88
1	72	708	9.47	4.72	9.35	4.84	-0.75	1052.71	-487.24	-478.61	1044.09	114.91
1	72	709	5.08	1.69	1.70	5.08	-0.12	1164.08	-183.35	-175.35	1156.08	103.51
1	72	710	4.51	0.59	0.59	4.51	1.61e-02	1235.05	-11.37	-6.37	1230.05	78.75
1	72	711	4.02	0.41	0.41	4.02	5.39e-02	1260.40	81.59	83.76	1258.23	50.51
1	72	712	3.78	0.39	0.39	3.78	5.19e-02	1265.99	124.95	125.33	1265.61	20.83
1	72	713	3.78	0.40	0.40	3.78	3.49e-02	1266.17	132.59	132.67	1266.09	-9.29
1	72	714	4.03	0.45	0.45	4.03	2.36e-02	1263.44	107.00	108.33	1262.10	-39.22
1	72	715	4.57	0.65	0.65	4.57	4.00e-02	1248.71	40.52	44.37	1244.85	-68.13
1	72	716	5.35	1.72	1.72	5.35	0.12	1202.68	-85.14	-78.20	1195.74	-94.27
1	72	717	9.33	5.78	9.24	5.88	0.57	1143.37	-296.95	-288.63	1135.06	-109.12
1	72	718	18.84	-10.07	18.75	-9.98	1.61	831.93	-930.19	-921.93	823.67	-120.36



1	72	719	14.10	-12.16	13.93	-12.00	2.10	-392.01	-988.95	-946.73	-434.22	153.03
1	72	720	7.42	-6.78	-3.96	4.60	-5.67	395.59	-1109.69	-899.36	185.26	521.88
1	72	721	4.86	-0.43	-0.41	4.84	0.33	963.96	-582.41	-534.45	915.99	268.09
1	72	722	5.23	0.73	0.86	5.11	0.74	1148.33	-228.90	-221.74	1141.17	99.08
1	72	723	4.63	0.49	0.57	4.54	0.58	1219.22	-49.09	-47.67	1217.80	42.47
1	72	724	4.13	0.39	0.42	4.10	0.33	1242.86	46.44	46.69	1242.60	17.38
1	72	725	3.86	0.39	0.39	3.86	8.86e-02	1247.40	90.97	91.00	1247.37	5.90
1	72	726	3.84	0.40	0.41	3.84	-0.15	1247.47	98.49	98.49	1247.47	-0.62
1	72	727	4.07	0.45	0.50	4.02	-0.41	1245.63	71.26	71.33	1245.56	-8.81
1	72	728	4.52	0.59	0.73	4.38	-0.73	1232.71	0.42	0.97	1232.16	-26.07
1	72	729	5.12	0.89	1.20	4.82	-1.09	1187.46	-139.51	-136.15	1184.10	-66.67
1	72	730	4.99	-4.16e-02	0.50	4.45	-1.57	1054.53	-417.85	-390.15	1026.82	-200.05
1	72	731	5.06	-6.23	0.11	-1.28	5.60	677.54	-912.15	-784.04	549.43	-432.71
1	72	732	10.52	-6.32	10.51	-6.31	0.34	-297.33	-1008.83	-952.19	-353.96	-192.58
1	72	733	0.74	-9.61	-8.46	-0.41	3.25	304.54	-560.94	-262.89	6.49	411.24
1	72	734	4.78	-0.60	-0.42	4.60	-0.97	569.99	-341.56	-115.80	344.23	393.48
1	72	735	4.83	-0.57	-0.29	4.55	1.19	938.19	-236.56	-118.52	820.14	353.18
1	72	736	3.99	0.51	0.86	3.64	1.05	1099.71	-52.35	-14.57	1061.93	205.17
1	72	737	3.67	0.60	0.85	3.42	0.83	1185.16	53.15	64.83	1173.47	114.42
1	72	738	3.40	0.64	0.73	3.31	0.50	1221.46	111.31	114.38	1218.39	58.31
1	72	739	3.24	0.67	0.68	3.23	0.16	1233.30	138.48	138.92	1232.86	21.84
1	72	740	3.21	0.70	0.71	3.20	-0.17	1234.64	142.67	142.71	1234.59	-7.03
1	72	741	3.29	0.72	0.82	3.19	-0.50	1227.92	124.91	126.28	1226.54	-38.93
1	72	742	3.41	0.75	1.02	3.15	-0.80	1203.87	79.17	85.68	1197.35	-85.34
1	72	743	3.35	0.82	1.14	3.02	-0.85	1141.45	-10.19	12.81	1118.46	-161.10
1	72	744	2.95	-0.28	-0.25	2.93	0.29	1005.29	-179.84	-102.94	928.40	-291.92
1	72	745	6.39	-3.75	-3.58	6.22	-1.31	703.13	-332.09	-131.01	502.04	-409.55
1	72	746	-1.26	-6.16	-3.88	-3.53	-2.44	308.88	-537.06	-235.72	7.54	-405.10
1	72	747	1.53	-3.24	-2.29	0.58	1.90	682.10	-98.88	408.22	175.01	372.67
1	72	748	2.32	-2.07	-1.98	2.23	0.62	718.41	32.26	346.49	404.18	341.86
1	72	749	1.85	-0.22	-0.10	1.73	0.48	877.39	118.80	259.82	736.37	295.11
1	72	750	2.31	0.59	0.98	1.92	0.72	1032.74	168.65	219.44	981.95	203.24
1	72	751	2.53	0.82	1.10	2.25	0.64	1132.81	191.44	208.22	1116.02	124.57
1	72	752	2.55	0.93	1.04	2.44	0.41	1184.15	202.22	206.91	1179.46	67.69
1	72	753	2.53	0.98	0.99	2.52	0.15	1204.78	206.74	207.41	1204.10	26.02
1	72	754	2.50	1.00	1.01	2.49	-0.11	1207.52	206.95	207.04	1207.44	-9.40
1	72	755	2.45	1.00	1.08	2.37	-0.33	1194.58	202.91	205.21	1192.27	-47.74
1	72	756	2.30	0.97	1.15	2.11	-0.46	1156.66	192.85	203.03	1146.48	-98.55
1	72	757	1.88	0.83	0.96	1.75	-0.34	1075.37	172.31	205.97	1041.71	-171.06
1	72	758	1.88	-0.40	-0.39	1.87	-0.15	933.39	133.47	232.73	834.13	-263.72
1	72	759	2.32	-2.36	-2.21	2.18	-0.80	754.90	65.32	305.13	515.09	-328.42
1	72	760	1.82	-3.13	-2.03	0.72	-2.05	670.42	-95.28	405.47	169.67	-364.24
1	72	761	0.30	-2.44	-2.35	0.20	0.51	793.59	149.78	171.33	226.04	208.05
1	72	762	0.71	-1.54	-1.47	0.64	0.38	737.76	315.27	623.16	429.87	187.84
1	72	763	0.94	-8.41e-02	-3.96e-02	0.90	0.21	801.72	400.73	488.44	714.01	165.76
1	72	764	1.29	0.78	0.89	1.18	0.21	963.34	359.43	387.09	935.68	126.25
1	72	765	1.66	1.08	1.19	1.55	0.22	1083.21	314.08	323.48	1073.80	84.53
1	72	766	1.88	1.17	1.21	1.84	0.17	1149.02	285.25	288.03	1146.24	48.92
1	72	767	2.00	1.17	1.17	1.99	7.21e-02	1177.30	270.81	271.23	1176.88	19.38
1	72	768	1.99	1.17	1.17	1.99	-2.19e-02	1181.13	267.97	268.03	1181.07	-7.45
1	72	769	1.86	1.18	1.19	1.85	-8.21e-02	1162.70	276.19	277.64	1161.25	-35.79
1	72	770	1.60	1.13	1.14	1.59	-7.23e-02	1112.23	297.48	303.47	1106.24	-69.62
1	72	771	1.32	0.77	0.77	1.32	1.52e-03	1012.07	335.62	354.16	993.53	-110.42
1	72	772	1.20	-0.16	-0.16	1.20	-4.92e-02	856.37	385.54	441.04	800.87	-151.82
1	72	773	1.11	-1.40	-1.31	1.01	-0.48	728.52	369.26	564.89	532.89	-178.92
1	72	774	0.60	-2.38	-2.14	0.36	-0.81	786.10	145.80	173.74	218.16	-202.72
1	72	775	5.95e-02	-2.43	-2.43	5.68e-02	-8.20e-02	808.72	234.13	808.29	234.55	15.64
1	72	776	0.34	-1.36	-1.35	0.34	-0.12	709.54	437.11	708.87	437.78	13.51
1	72	777	0.72	-1.58e-02	6.50e-02	0.64	-0.23	715.22	564.36	566.18	713.40	16.47
1	72	778	1.23	0.64	0.86	1.00	-0.28	926.44	453.74	454.72	925.46	21.52
1	72	779	1.51	1.01	1.15	1.38	-0.22	1060.08	379.07	379.73	1059.42	21.26
1	72	780	1.68	1.17	1.19	1.65	-0.11	1131.68	334.41	334.72	1131.38	15.50
1	72	781	1.79	1.18	1.18	1.79	-2.73e-02	1162.60	312.20	312.26	1162.55	6.85
1	72	782	1.81	1.16	1.17	1.80	5.02e-02	1166.73	308.23	308.24	1166.72	-2.80
1	72	783	1.74	1.11	1.14	1.70	0.15	1146.31	321.87	322.05	1146.13	-12.23
1	72	784	1.62	0.92	1.05	1.50	0.27	1091.35	356.09	356.62	1090.82	-19.74
1	72	785	1.43	0.56	0.74	1.25	0.35	982.19	417.75	418.63	981.30	-22.33
1	72	786	1.08	-3.37e-02	4.23e-02	1.00	0.28	799.37	514.79	515.94	798.21	-18.08
1	72	787	0.67	-0.96	-0.96	0.67	7.20e-02	649.07	540.46	647.73	541.80	-11.99
1	72	788	0.16	-2.23	-2.23	0.16	-7.71e-02	805.44	227.89	805.20	228.13	-11.90
1	72	789	0.33	-2.49	-2.29	0.12	-0.74	750.32	159.39	698.12	211.59	-167.70
1	72	790	1.13	-1.40	-1.29	1.02	-0.52	704.92	343.28	616.30	431.91	-155.55
1	72	791	1.42	-0.22	0.21	0.99	-0.72	786.55	446.79	501.12	732.22	-124.53
1	72	792	1.97	0.25	0.82	1.41	-0.81	959.09	412.89	423.06	948.92	-73.82
1	72	793	2.04	0.64	0.96	1.71	-0.59	1075.59	371.12	373.12	1073.60	-37.46
1	72	794	1.96	0.90	1.02	1.85	-0.33	1138.07	340.83	341.19	1137.71	-16.87



1	72	795	1.91	1.02	1.03	1.90	-0.11	1164.92	324.10	324.14	1164.88	-5.59
1	72	796	1.92	1.01	1.02	1.91	8.81e-02	1168.36	321.06	321.07	1168.36	2.13
1	72	797	1.98	0.88	0.97	1.89	0.30	1150.44	331.74	331.90	1150.29	11.25
1	72	798	2.06	0.63	0.87	1.81	0.54	1102.66	356.08	357.08	1101.66	27.35
1	72	799	2.00	0.31	0.71	1.60	0.72	1008.02	393.05	398.48	1002.58	57.56
1	72	800	1.74	-0.18	0.16	1.41	0.73	851.76	435.25	464.15	822.86	105.84
1	72	801	1.36	-1.07	-0.88	1.17	0.65	705.23	405.95	565.08	546.10	149.34
1	72	802	0.39	-2.16	-2.01	0.25	0.59	749.89	155.61	696.05	209.45	170.58
1	72	803	0.15	-4.92	-4.75	-1.26e-02	-0.90	506.23	-65.09	321.40	119.75	-267.27
1	72	804	2.70	0.17	0.36	2.52	-0.66	656.40	106.74	359.55	403.59	-273.95
1	72	805	3.29	-0.44	0.14	2.71	-1.35	876.18	221.33	302.90	794.62	-216.24
1	72	806	3.24	-4.53e-02	0.49	2.70	-1.22	1022.49	298.40	320.11	1000.79	-123.48
1	72	807	2.72	0.37	0.60	2.48	-0.71	1113.35	316.52	322.68	1107.19	-69.78
1	72	808	2.37	0.66	0.74	2.29	-0.36	1160.83	315.71	317.27	1159.26	-36.31
1	72	809	2.21	0.81	0.82	2.20	-0.12	1180.60	311.61	311.82	1180.40	-13.46
1	72	810	2.20	0.81	0.81	2.20	8.05e-02	1182.90	310.63	310.66	1182.86	5.43
1	72	811	2.34	0.66	0.72	2.29	0.30	1169.49	313.77	314.55	1168.71	25.89
1	72	812	2.64	0.39	0.56	2.47	0.60	1133.51	316.94	320.52	1129.93	53.95
1	72	813	3.06	3.82e-02	0.44	2.66	1.02	1061.39	308.04	320.99	1048.44	97.92
1	72	814	2.71	-6.20e-02	0.24	2.40	0.86	935.70	254.50	302.47	887.72	174.29
1	72	815	4.80	-1.43	-0.76	4.13	1.93	747.78	144.81	328.66	563.94	277.59
1	72	816	-0.41	-2.49	-2.44	-0.47	0.35	521.64	-55.96	337.54	128.13	269.15
1	72	817	7.23	-2.51	6.81	-2.09	1.98	-91.29	-339.45	-195.31	-235.44	-122.45
1	72	818	4.38	-3.14	-0.67	1.91	3.53	619.18	-359.04	-149.09	409.23	-401.61
1	72	819	5.65	-1.57	-0.13	4.21	-2.89	920.69	35.27	85.33	870.63	-204.49
1	72	820	4.22	-0.40	-0.29	4.11	-0.70	1065.74	199.15	213.19	1051.70	-109.42
1	72	821	3.22	0.23	0.26	3.18	-0.34	1147.28	259.45	264.77	1141.96	-68.52
1	72	822	2.70	0.53	0.55	2.68	-0.17	1186.56	280.72	282.44	1184.85	-39.40
1	72	823	2.47	0.67	0.67	2.47	-6.44e-02	1201.85	286.72	286.98	1201.58	-15.50
1	72	824	2.46	0.67	0.67	2.46	2.94e-02	1203.39	287.37	287.42	1203.35	6.50
1	72	825	2.64	0.53	0.54	2.63	0.13	1192.94	284.28	285.23	1192.00	29.32
1	72	826	3.09	0.25	0.28	3.07	0.27	1163.66	271.38	274.89	1160.16	55.84
1	72	827	3.98	-0.30	-0.22	3.89	0.61	1100.78	231.62	241.25	1091.15	90.98
1	72	828	5.59	-1.59	-0.43	4.44	2.64	986.68	120.40	153.65	953.43	166.43
1	72	829	3.40	-1.82	2.29	-0.71	-2.14	773.19	-174.51	-55.41	654.09	314.15
1	72	830	5.08	-2.44	2.57	6.00e-02	-3.54	-59.72	-365.46	-227.75	-197.44	152.12
1	72	831	23.01	-5.46	22.94	-5.39	1.36	638.09	-333.93	-315.35	619.51	-133.10
1	72	832	10.36	-0.43	-0.27	10.20	1.28	972.00	35.90	42.97	964.93	-81.03
1	72	833	4.26	0.48	0.48	4.26	0.10	1075.55	180.03	186.67	1068.90	-76.87
1	72	834	3.20	0.34	0.34	3.20	1.72e-02	1159.03	237.77	241.34	1155.46	-57.28
1	72	835	2.75	0.53	0.53	2.75	-1.32e-02	1199.17	261.98	263.38	1197.76	-36.27
1	72	836	2.56	0.65	0.65	2.56	-1.53e-02	1214.32	270.15	270.39	1214.08	-14.94
1	72	837	2.54	0.65	0.65	2.54	-6.71e-03	1215.83	271.14	271.19	1215.79	6.41
1	72	838	2.69	0.53	0.53	2.69	-1.16e-02	1205.59	266.50	267.33	1204.76	27.90
1	72	839	3.08	0.33	0.34	3.08	-4.51e-02	1176.05	250.98	253.63	1173.40	49.41
1	72	840	4.00	0.38	0.38	3.99	-0.13	1112.55	212.15	217.61	1107.09	69.90
1	72	841	8.77	-9.58e-02	5.78e-02	8.62	-1.16	1030.87	107.74	114.30	1024.31	77.56
1	72	842	16.52	4.35	16.31	4.56	-1.58	803.33	-10.58	5.91	786.84	114.66
1	72	843	5.03	-0.97	3.06	1.00	-2.82	-360.59	-530.07	-470.12	-420.54	-81.03
1	72	844	2.75	-4.76	-0.60	-1.40	-3.73	509.22	-375.30	-321.52	455.45	211.36
1	72	845	5.10	-2.09	0.25	2.76	3.37	878.98	7.03	7.10	878.92	7.69
1	72	846	4.07	-0.42	-0.22	3.87	0.91	1070.60	158.25	160.99	1067.85	-49.99
1	72	847	3.23	0.28	0.32	3.19	0.32	1163.23	222.82	225.29	1160.76	-48.11
1	72	848	2.78	0.55	0.56	2.78	9.84e-02	1205.91	248.78	249.95	1204.74	-33.49
1	72	849	2.59	0.66	0.66	2.59	1.56e-02	1221.96	257.92	258.13	1221.75	-14.33
1	72	850	2.57	0.66	0.66	2.57	-2.85e-02	1223.63	259.03	259.07	1223.59	6.22
1	72	851	2.72	0.55	0.56	2.71	-0.11	1212.93	253.48	254.20	1212.21	26.41
1	72	852	3.10	0.29	0.32	3.07	-0.30	1181.68	235.85	237.88	1179.65	43.83
1	72	853	3.85	-0.33	-0.18	3.70	-0.78	1111.08	190.49	193.47	1108.11	52.23
1	72	854	4.74	-1.71	-0.11	3.15	-2.78	961.54	86.53	86.74	961.33	13.64
1	72	855	2.01	-2.09	1.83	-1.91	0.84	714.46	-197.95	-187.98	704.49	-94.84
1	72	856	5.60	-3.46	1.25	0.89	4.53	-349.62	-499.01	-487.49	-361.14	39.85
1	72	857	2.09	-5.34	-4.02	0.78	2.84	173.97	43.16	121.65	95.47	64.08
1	72	858	4.15	-1.05	-0.93	4.03	0.78	408.86	119.91	162.23	366.54	102.16
1	72	859	2.42	-0.33	-0.28	2.37	0.36	816.18	115.74	119.50	812.42	51.20
1	72	860	2.99	0.33	0.66	2.65	0.88	1044.71	176.90	177.23	1044.38	-16.89
1	72	861	2.81	0.59	0.70	2.70	0.48	1162.49	207.12	208.32	1161.28	-33.91
1	72	862	2.67	0.71	0.73	2.65	0.21	1217.61	222.23	223.03	1216.81	-28.16
1	72	863	2.61	0.75	0.75	2.60	5.85e-02	1238.63	228.71	228.88	1238.47	-12.87
1	72	864	2.59	0.75	0.75	2.59	-4.54e-02	1241.14	229.34	229.37	1241.11	5.47
1	72	865	2.62	0.70	0.72	2.60	-0.19	1227.64	224.53	225.05	1227.12	22.88
1	72	866	2.73	0.56	0.66	2.63	-0.45	1187.57	212.38	213.58	1186.37	34.19
1	72	867	2.87	0.28	0.56	2.60	-0.79	1097.45	187.46	188.37	1096.54	28.79
1	72	868	2.19	-0.18	-0.17	2.17	-0.19	914.31	134.00	134.33	913.99	-15.88
1	72	869	4.82	-2.30	-1.98	4.51	-1.46	574.15	103.90	133.11	544.95	-113.50
1	72	870	1.35	-2.77	-1.57	0.14	-1.87	190.11	45.72	137.89	97.95	-69.38



1	72	871	0.94	-2.03	-1.67	0.59	0.96	397.96	186.05	396.25	187.76	-18.95
1	72	872	2.08	-1.48	-1.35	1.94	0.68	415.18	330.47	331.66	414.00	-9.95
1	72	873	1.89	-0.14	-4.82e-02	1.80	0.42	757.83	242.50	243.31	757.02	-20.45
1	72	874	2.09	0.77	0.86	2.00	0.34	1017.59	200.65	202.62	1015.62	-40.13
1	72	875	2.40	0.94	0.97	2.37	0.21	1160.48	192.65	194.44	1158.70	-41.50
1	72	876	2.58	0.89	0.89	2.58	8.91e-02	1227.71	195.44	196.31	1226.84	-29.95
1	72	877	2.65	0.84	0.84	2.65	3.31e-02	1253.61	198.68	198.84	1253.44	-13.23
1	72	878	2.63	0.84	0.84	2.63	-1.22e-04	1256.97	198.79	198.81	1256.95	4.99
1	72	879	2.54	0.89	0.89	2.53	-6.85e-02	1240.77	195.18	195.69	1240.27	22.90
1	72	880	2.36	0.89	0.93	2.32	-0.22	1191.96	189.84	191.27	1190.52	37.85
1	72	881	2.13	0.64	0.74	2.03	-0.38	1080.63	190.41	192.52	1078.52	43.23
1	72	882	2.14	-0.33	-0.23	2.05	-0.48	864.37	217.20	218.52	863.05	29.22
1	72	883	2.20	-1.52	-1.41	2.10	-0.61	536.68	289.83	290.18	536.34	9.18
1	72	884	0.91	-1.52	-1.35	0.75	-0.61	394.35	181.58	393.50	182.43	13.42
1	72	885	0.86	-2.19	-1.93	0.60	-0.86	446.05	79.60	344.70	180.95	-163.91
1	72	886	2.02	-1.57	-1.55	2.01	0.25	511.55	180.45	281.33	410.67	-152.40
1	72	887	1.88	0.14	0.14	1.87	0.10	787.73	163.27	194.05	756.96	-135.17
1	72	888	2.25	0.98	1.01	2.21	-0.22	1032.54	144.88	154.91	1022.51	-93.83
1	72	889	2.62	0.99	1.02	2.59	-0.21	1175.00	147.14	150.58	1171.55	-59.40
1	72	890	2.82	0.88	0.89	2.81	-0.12	1242.85	157.21	158.25	1241.81	-33.59
1	72	891	2.89	0.81	0.81	2.89	-2.26e-02	1268.83	164.80	164.97	1268.66	-13.50
1	72	892	2.87	0.82	0.82	2.87	7.85e-02	1272.30	165.74	165.75	1272.28	4.24
1	72	893	2.76	0.90	0.92	2.75	0.16	1256.44	159.23	159.71	1255.95	23.10
1	72	894	2.51	1.02	1.05	2.49	0.18	1207.81	147.35	149.42	1205.74	46.83
1	72	895	2.09	0.97	0.97	2.09	2.35e-02	1096.57	137.56	144.25	1089.89	79.79
1	72	896	2.08	-0.17	-0.12	2.03	-0.33	885.05	146.13	167.11	864.08	122.71
1	72	897	2.08	-1.76	-1.75	2.08	-0.16	589.21	177.07	239.72	526.56	147.97
1	72	898	1.05	-2.09	-1.75	0.71	0.97	434.05	79.87	341.17	172.75	155.78
1	72	899	0.22	-7.57	-7.00	-0.35	-2.04	237.34	-253.61	-74.22	57.94	-236.41
1	72	900	3.56	-0.98	-0.41	2.99	1.50	480.24	-107.69	3.90	368.64	-230.56
1	72	901	4.12	1.71e-02	0.31	3.83	-1.05	863.53	-77.51	-24.27	810.29	-217.39
1	72	902	3.55	0.75	0.90	3.40	-0.64	1081.60	11.68	24.27	1069.01	-115.40
1	72	903	3.42	0.78	0.87	3.33	-0.48	1204.89	72.05	74.90	1202.03	-56.82
1	72	904	3.34	0.70	0.73	3.31	-0.26	1261.15	111.42	111.99	1260.58	-25.61
1	72	905	3.29	0.66	0.66	3.29	-5.43e-02	1281.56	132.03	132.10	1281.49	-9.16
1	72	906	3.28	0.66	0.67	3.27	0.14	1284.19	135.35	135.36	1284.18	1.84
1	72	907	3.29	0.74	0.78	3.25	0.33	1272.12	121.51	121.70	1271.93	14.89
1	72	908	3.30	0.86	0.98	3.18	0.53	1233.36	88.84	90.14	1232.06	38.50
1	72	909	9.30	-2.97	-2.17	8.49	3.03	830.25	-939.64	-621.63	512.24	679.49
1	72	910	-0.97	-4.29	-1.74	-3.52	1.40	265.29	-1207.22	-846.57	-95.35	633.24
1	72	911	3.80	-27.83	-19.77	-4.26	13.78	295.75	-490.45	-469.71	275.01	126.00
1	72	912	19.26	-18.10	19.11	-17.94	2.42	847.14	-1639.39	-1639.39	847.14	-2.04
1	72	913	1.44	-6.75	-6.14	0.83	-2.15	747.38	-2196.40	-2195.59	746.57	-48.94
1	72	914	5.09	-10.29	-6.54	1.34	-6.61	748.49	-2183.56	-2182.22	747.15	-62.58
1	72	915	1.11	-14.58	-0.99	-12.49	-5.34	482.22	-614.12	-613.68	481.79	-21.91
1	72	916	4.36	-8.51	-6.03	1.88	5.08	661.71	-1853.01	-1852.57	661.27	33.37
1	72	917	6.52	0.35	3.37	3.50	3.08	170.37	-188.39	42.53	-60.55	-171.82
1	72	918	0.57	-5.47	-4.29	-0.62	-2.40	802.74	-124.92	743.65	-65.82	-226.56
1	72	919	-0.66	-5.63	-5.62	-0.66	4.86e-02	1104.17	-58.17	1086.34	-40.34	-142.86
1	72	920	-0.17	-5.07	-5.06	-0.18	7.86e-02	1230.25	-36.65	1226.81	-33.21	-65.96
1	72	921	-6.87e-02	-4.64	-4.64	-6.89e-02	2.49e-02	1251.21	-31.80	1251.10	-31.68	11.95
1	72	922	-6.57e-02	-4.38	-4.38	-6.58e-02	-1.73e-02	1183.96	-38.96	1177.28	-32.28	90.10
1	72	923	-0.12	-4.15	-4.15	-0.12	-4.39e-02	1020.13	-60.89	993.73	-34.49	166.84
1	72	924	-0.38	-3.61	-3.61	-0.38	-1.38e-02	731.46	-112.55	657.94	-39.04	237.99
1	72	925	-1.05	-2.12	-1.88	-1.29	0.44	315.31	-287.16	78.59	-50.44	294.24
1	72	926	32.40	-4.06	22.46	5.88	-16.24	-157.17	-2776.22	-2767.19	-166.21	-153.57
1	72	927	17.14	-22.66	9.76	-15.28	-15.47	-458.79	-1037.40	-1034.40	-461.79	-41.54
1	72	928	28.24	-27.48	13.49	-12.73	24.58	-492.16	-2576.50	-2548.84	-519.82	238.53
1	72	929	9.75	-3.11	1.84	4.80	-6.26	161.50	-876.57	-712.70	-2.37	-378.50
1	72	930	-0.60	-3.23	-3.13	-0.70	-0.50	372.63	-229.30	188.71	-45.38	-277.28
1	72	931	-0.29	-4.21	-4.21	-0.29	1.71e-02	757.75	-96.25	700.61	-39.10	-213.40
1	72	932	-0.11	-4.35	-4.35	-0.11	4.88e-02	999.54	-53.91	980.95	-35.31	-138.72
1	72	933	-6.70e-02	-4.25	-4.25	-6.72e-02	2.53e-02	1111.59	-36.53	1108.48	-33.42	-59.70
1	72	934	-6.72e-02	-4.13	-4.13	-6.72e-02	-4.28e-03	1117.90	-33.29	1117.56	-32.94	19.84
1	72	935	-0.11	-3.96	-3.96	-0.11	-2.92e-02	1021.68	-42.98	1012.62	-33.92	97.77
1	72	936	-0.34	-3.55	-3.55	-0.34	-1.66e-02	803.45	-71.86	768.78	-37.19	170.71
1	72	937	-1.12	-2.28	-2.19	-1.22	0.32	430.35	-159.92	318.00	-47.57	231.72
1	72	938	5.69	-3.86	2.71	-0.88	4.42	61.04	-665.59	-533.88	-70.67	279.92
1	72	939	25.18	1.12	17.52	8.78	-11.21	-84.64	-2016.36	-2014.70	-86.30	-56.66
1	72	940	21.09	-18.25	9.56	-6.72	17.90	-357.12	-1833.61	-1814.70	-376.03	166.02
1	72	941	6.67	-3.05	0.60	3.01	-4.71	133.99	-459.55	-303.51	-22.05	-261.28
1	72	942	-0.60	-3.80	-3.75	-0.65	-0.40	472.82	-100.71	417.59	-45.49	-169.19
1	72	943	-0.27	-4.90	-4.90	-0.27	-1.55e-02	800.72	-52.34	789.34	-40.97	-97.85
1	72	944	-0.15	-5.17	-5.17	-0.15	8.87e-03	930.58	-39.83	930.27	-39.51	-17.48
1	72	945	-0.20	-4.86	-4.86	-0.20	5.47e-02	882.94	-44.51	878.47	-40.04	64.28
1	72	946	-4.57e-03	-3.36	-3.27	-0.10	0.57	647.52	-69.34	618.23	-40.04	141.93



1	72	947	9.66	-0.59	3.01	6.06	4.89	318.01	-208.95	88.28	20.78	261.31
1	72	948	15.26	-28.56	8.35	-21.65	-15.97	-570.20	-1030.30	-1019.13	-581.38	-70.82
1	72	949	8.09	0.31	3.91	4.49	3.88	162.26	-170.99	-11.47	2.73	166.47
1	72	950	24.83	-19.60	16.56	-11.33	17.29	-410.76	-1624.15	-1615.68	-419.24	101.05
1	72	951	10.28	-1.00	5.54	3.74	-5.57	219.94	-471.17	-240.42	-10.82	-325.93
1	72	952	-0.43	-1.99	-1.76	-0.66	-0.55	532.45	-131.00	442.44	-40.98	-227.20
1	72	953	-0.28	-3.77	-3.77	-0.28	-2.45e-02	854.69	-64.78	825.42	-35.51	-161.42
1	72	954	-0.11	-4.37	-4.37	-0.11	1.96e-02	1033.60	-40.07	1026.23	-32.70	-88.67
1	72	955	-7.30e-02	-4.58	-4.58	-7.30e-02	2.50e-04	1101.17	-31.91	1101.03	-31.77	-12.59
1	72	956	-9.17e-02	-4.66	-4.66	-9.18e-02	-2.19e-02	1072.67	-35.98	1068.97	-32.28	63.90
1	72	957	-0.19	-4.46	-4.46	-0.19	1.17e-02	940.21	-54.03	920.57	-34.40	138.34
1	72	958	-9.85e-02	-3.25	-3.16	-0.18	0.51	674.49	-97.97	613.08	-36.55	208.96
1	72	959	9.88	-1.01	2.96	5.90	5.24	366.28	-284.92	61.19	20.17	324.95
1	72	960	16.55	-27.33	10.02	-20.80	-15.62	-563.17	-1038.17	-1037.44	-563.89	-18.51
1	72	961	15.01	-22.43	8.49	-15.91	-14.20	-427.63	-1093.49	-1055.45	-465.67	-154.53
1	72	962	23.08	-20.78	14.76	-12.46	17.20	-416.19	-1607.51	-1585.30	-438.40	161.13
1	72	963	10.08	-8.52e-02	5.99	4.00	-4.98	164.36	-382.66	-211.49	-6.81	-253.64
1	72	964	-0.21	-1.77	-1.46	-0.52	-0.63	495.98	-88.72	451.33	-44.07	-155.29
1	72	965	-0.30	-3.81	-3.81	-0.30	-7.85e-02	795.72	-49.87	787.42	-41.57	-83.36
1	72	966	-0.27	-4.45	-4.45	-0.27	-1.04e-02	884.01	-41.22	883.99	-41.19	-4.33
1	72	967	-0.68	-4.19	-4.18	-0.68	0.15	766.94	-52.39	760.26	-45.71	73.69
1	72	968	1.96	-3.59	-1.55	-7.96e-02	2.67	396.20	-109.57	344.72	-58.09	152.94
1	72	969	10.64	-3.52	4.10	3.02	-7.06	-121.03	-619.80	-619.67	-121.16	8.19
1	72	970	9.76	4.70	6.36	8.10	2.38	-5.44	-748.51	-747.56	-6.40	26.61
1	72	971	1.45	-2.43	0.42	-1.40	-1.72	114.00	-84.05	103.94	-73.98	-43.50
1	72	972	-0.82	-2.28	-2.27	-0.83	-0.12	440.83	-49.50	440.82	-49.49	1.92
1	72	973	-0.14	-1.75	-1.56	-0.33	0.52	397.72	-54.86	387.45	-44.59	67.43
1	72	974	7.61	-3.63	3.82	0.15	5.32	51.19	-1086.66	-973.28	-62.19	340.82
1	72	975	3.44	-29.64	-21.75	-4.45	-14.10	296.80	-481.13	-462.92	278.59	-117.63
1	72	976	1.26	-16.21	-0.90	-14.05	5.75	496.79	-603.70	-603.29	496.38	21.43
1	72	977	5.58	-10.21	-5.57	0.94	7.19	756.42	-2185.54	-2184.03	754.91	66.80
1	72	978	19.88	-21.03	19.62	-20.76	-3.28	867.05	-1616.04	-1616.03	867.05	3.09
1	72	979	32.96	-22.34	32.50	-21.88	-5.04	1078.78	-2220.84	-2220.78	1078.73	13.73
1	72	980	1.61	-6.52	-5.36	0.45	2.84	755.03	-2196.92	-2195.80	753.92	57.30
1	72	981	4.09	-7.86	-5.28	1.51	-4.91	668.68	-1855.14	-1854.81	668.35	-28.67
1	72	982	5.37	-4.38	-0.20	1.19	-4.83	161.68	-205.15	62.85	-106.32	162.74
1	72	983	1.00	-4.85	-3.69	-0.17	2.33	812.92	-115.53	754.01	-56.62	226.33
1	72	984	-0.45	-5.57	-5.57	-0.45	-5.05e-02	1105.30	-56.74	1087.57	-39.00	142.46
1	72	985	-0.14	-5.04	-5.04	-0.14	-7.10e-02	1231.06	-36.59	1227.63	-33.16	65.81
1	72	986	-6.31e-02	-4.67	-4.67	-6.32e-02	-2.01e-02	1251.76	-31.91	1251.65	-31.79	-12.28
1	72	987	-6.45e-02	-4.51	-4.51	-6.46e-02	2.35e-02	1184.28	-39.16	1177.53	-32.41	-90.61
1	72	988	-0.12	-4.43	-4.43	-0.12	5.30e-02	1020.05	-61.23	993.45	-34.64	-167.47
1	72	989	-0.33	-4.13	-4.13	-0.33	1.04e-02	730.17	-112.97	656.23	-39.04	-238.47
1	72	990	-0.71	-2.66	-2.52	-0.85	-0.51	309.68	-286.62	71.63	-48.57	-292.03
1	72	991	9.81	-2.69	7.01	0.11	-5.21	50.12	-1083.62	-978.16	-55.34	-329.31
1	72	992	34.29	-5.04	21.05	8.19	18.59	-177.55	-2768.37	-2757.70	-188.22	165.90
1	72	993	29.93	-29.73	12.26	-12.06	-27.24	-520.23	-2575.43	-2541.39	-554.27	-262.30
1	72	994	11.15	-1.43	4.77	4.95	6.29	159.15	-872.92	-719.94	6.17	366.72
1	72	995	-0.13	-4.06	-3.99	-0.20	0.52	367.52	-228.09	182.52	-43.10	275.61
1	72	996	-0.23	-4.80	-4.80	-0.23	-1.82e-02	756.92	-96.66	699.35	-39.09	214.07
1	72	997	-0.11	-4.67	-4.67	-0.11	-5.72e-02	999.63	-54.24	980.88	-35.49	139.32
1	72	998	-6.47e-02	-4.45	-4.44	-6.49e-02	-2.87e-02	1111.84	-36.73	1108.69	-33.58	60.05
1	72	999	-6.50e-02	-4.29	-4.29	-6.50e-02	5.78e-03	1118.07	-33.43	1117.73	-33.10	-19.73
1	72	1000	-0.11	-4.18	-4.18	-0.11	3.44e-02	1021.52	-43.14	1012.45	-34.07	-97.84
1	72	1001	-0.30	-3.91	-3.91	-0.30	1.25e-02	802.25	-71.95	767.53	-37.22	-170.74
1	72	1002	-0.80	-2.67	-2.59	-0.88	-0.37	424.84	-158.20	312.77	-46.13	-229.75
1	72	1003	7.47	-3.11	5.24	-0.88	-4.31	58.67	-659.96	-536.25	-65.04	-271.29
1	72	1004	26.75	-0.24	15.98	10.54	13.22	-103.88	-2010.15	-2007.82	-106.21	66.53
1	72	1005	22.71	-19.71	8.93	-5.94	-19.86	-377.01	-1830.79	-1807.55	-400.25	-182.33
1	72	1006	7.77	-1.74	2.95	3.09	4.76	128.43	-453.97	-309.21	-16.33	251.70
1	72	1007	-0.23	-4.47	-4.43	-0.27	0.42	468.60	-98.57	413.92	-43.90	167.40
1	72	1008	-0.22	-5.46	-5.46	-0.22	1.97e-02	801.56	-52.36	790.26	-41.06	97.57
1	72	1009	-0.14	-5.70	-5.70	-0.14	-6.86e-04	933.41	-40.09	933.13	-39.80	16.65
1	72	1010	-0.15	-5.69	-5.69	-0.15	-2.03e-02	887.44	-45.00	882.73	-40.29	-66.11
1	72	1011	0.19	-4.85	-4.82	0.15	-0.43	652.39	-69.43	622.43	-39.47	-143.98
1	72	1012	9.88	-0.92	3.30	5.67	-5.27	311.38	-207.29	86.52	17.57	-257.03
1	72	1013	16.42	-28.63	9.24	-21.45	16.50	-572.39	-1048.12	-1036.52	-583.99	73.37
1	72	1014	16.25	-21.94	9.66	-15.36	14.43	-424.36	-1112.04	-1074.32	-462.08	156.57
1	72	1015	25.37	-21.19	16.04	-11.86	-18.63	-427.37	-1632.85	-1622.21	-438.01	-112.74
1	72	1016	11.11	-0.84	6.76	3.51	5.75	214.31	-466.56	-244.18	-8.07	319.31
1	72	1017	-0.21	-3.27	-3.20	-0.28	0.47	534.61	-130.62	443.60	-39.61	228.60
1	72	1018	-0.22	-4.55	-4.55	-0.22	-3.98e-03	859.14	-65.57	829.25	-35.68	163.53
1	72	1019	-9.98e-02	-4.76	-4.76	-0.10	-3.35e-02	1037.78	-40.52	1030.23	-32.97	89.90
1	72	1020	-6.55e-02	-4.83	-4.83	-6.55e-02	-2.18e-03	1105.25	-32.16	1105.10	-32.02	12.99
1	72	1021	-8.00e-02	-4.96	-4.96	-8.02e-02	3.20e-02	1077.23	-36.27	1073.50	-32.54	-64.36
1	72	1022	-0.14	-5.09	-5.09	-0.14	1.96e-02	945.83	-54.49	925.89	-34.55	-139.81



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1	72	1023	0.14	-4.51	-4.48	0.11	-0.38	680.26	-97.44	618.33	-35.52	-210.54
1	72	1024	10.25	-1.13	3.43	5.69	-5.58	363.70	-279.23	63.92	20.55	-320.74
1	72	1025	16.99	-28.50	9.84	-21.35	16.55	-579.66	-1046.72	-1045.54	-580.84	23.47
1	72	1026	24.46	-21.07	15.65	-12.26	-17.99	-419.62	-1623.31	-1599.28	-443.65	-168.37
1	72	1027	10.80	-0.27	6.96	3.57	5.27	154.74	-382.76	-220.46	-7.55	246.77
1	72	1028	-0.10	-3.29	-3.20	-0.19	0.52	497.46	-88.84	451.80	-43.18	157.11
1	72	1029	-0.25	-4.82	-4.82	-0.25	4.36e-02	799.34	-50.59	790.60	-41.85	85.75
1	72	1030	-0.23	-5.06	-5.06	-0.23	-9.63e-03	886.65	-41.46	886.62	-41.42	5.87
1	72	1031	-0.46	-4.62	-4.61	-0.47	-0.17	767.13	-51.27	760.75	-44.89	-71.96
1	72	1032	2.44	-2.87	-0.52	9.36e-02	-2.64	396.33	-102.82	346.99	-53.48	-148.97
1	72	1033	11.24	-5.77	2.51	2.96	8.50	-143.64	-614.33	-614.30	-143.67	3.55
1	72	1034	11.28	4.87	6.63	9.52	-2.86	-9.51	-738.39	-737.46	-10.43	-25.93
1	72	1035	2.23	-2.39	1.39	-1.55	1.78	110.19	-81.07	102.52	-73.40	37.53
1	72	1036	-0.65	-3.36	-3.34	-0.66	0.17	441.69	-49.34	441.64	-49.29	-5.02
1	72	1037	-4.54e-02	-3.38	-3.34	-9.39e-02	-0.40	400.06	-55.11	389.19	-44.24	-69.50
1	72	1038	8.25	-0.15	4.08	4.01	-4.20	152.59	-171.75	-17.98	-1.19	-161.95
1	72	1039	9.86	-1.78	-1.30	9.38	-2.32	339.36	-368.48	224.24	-253.35	261.22
1	72	1040	5.09	-3.43	-1.27	2.93	3.71	251.64	-290.03	189.41	-227.80	-172.73
1	72	1041	28.58	5.87	12.52	21.93	10.34	316.28	-13.00	213.51	89.77	152.57
1	72	1042	5.71	-3.43	-3.38	5.67	0.65	833.36	-114.21	-85.15	804.30	163.36
1	72	1043	4.11	-0.67	-0.65	4.09	-0.30	1125.05	-49.20	-28.55	1104.40	154.34
1	72	1044	4.02	-0.11	-0.11	4.02	-0.11	1234.11	-29.47	-19.36	1224.01	112.55
1	72	1045	3.79	-3.52e-02	-3.47e-02	3.79	-4.27e-02	1275.78	-19.47	-15.72	1272.04	69.52
1	72	1046	3.58	-2.42e-02	-2.42e-02	3.58	-1.31e-02	1288.10	-14.48	-13.88	1287.50	27.92
1	72	1047	3.51	-2.37e-02	-2.37e-02	3.51	9.38e-03	1289.35	-13.72	-13.60	1289.22	-12.79
1	72	1048	3.57	-3.33e-02	-3.29e-02	3.57	3.90e-02	1282.45	-17.16	-14.90	1280.20	-54.07
1	72	1049	3.66	-0.11	-0.11	3.66	0.11	1255.53	-25.54	-18.13	1248.12	-97.15
1	72	1050	3.57	-0.66	-0.64	3.54	0.31	1178.86	-43.90	-27.30	1162.27	-141.47
1	72	1051	4.23	-3.73	-3.73	4.23	-1.50e-02	950.81	-110.42	-85.10	925.49	-161.94
1	72	1052	23.48	7.47	14.74	16.21	-7.97	525.39	115.99	203.34	438.05	-167.72
1	72	1053	5.61	-10.14	-8.29	3.75	-5.07	-136.59	-287.27	-280.42	-143.44	-31.39
1	72	1054	7.29	-11.32	-10.20	6.17	4.43	-103.03	-314.19	-312.81	-104.42	17.05
1	72	1055	12.01	-11.54	12.00	-11.54	0.22	70.66	-758.69	-467.76	-220.26	395.78
1	72	1056	7.98	-5.70	7.76	-5.48	1.72	120.42	-772.08	-483.37	-168.28	-417.51
1	72	1057	7.18	-5.12	-3.61	5.66	-4.04	605.43	-897.20	-512.06	220.29	656.04
1	72	1058	6.03	0.21	0.21	6.03	-1.61e-03	1023.13	-417.30	-266.82	872.65	440.59
1	72	1059	5.03	0.74	0.84	4.94	0.64	1149.75	-109.25	-53.00	1093.50	260.11
1	72	1060	4.26	0.49	0.58	4.17	0.56	1204.81	49.23	73.20	1180.84	164.70
1	72	1061	3.74	0.45	0.49	3.70	0.36	1222.71	133.43	141.87	1214.27	95.52
1	72	1062	3.49	0.49	0.49	3.48	0.15	1225.39	172.44	173.82	1224.02	37.99
1	72	1063	3.47	0.52	0.52	3.47	-7.05e-02	1225.21	179.23	179.45	1224.99	-15.22
1	72	1064	3.71	0.54	0.57	3.68	-0.31	1224.35	156.02	160.60	1219.76	-69.81
1	72	1065	4.22	0.63	0.73	4.12	-0.57	1214.95	95.01	110.80	1199.16	-132.04
1	72	1066	5.02	0.97	1.16	4.83	-0.86	1180.40	-25.43	13.53	1141.44	-213.24
1	72	1067	6.00	0.83	1.10	5.73	-1.15	1095.80	-266.33	-160.76	990.23	-364.22
1	72	1068	5.37	-5.16	0.14	6.59e-02	5.26	791.96	-734.38	-451.99	509.57	-592.69
1	72	1069	17.19	-20.85	10.73	-14.39	14.28	-436.87	-1033.36	-1031.49	-438.74	33.33
1	72	1070	32.10	-18.76	31.79	-18.45	3.95	1054.88	-2250.41	-2250.35	1054.82	-14.07
1	72	1079	8.74	-1.37	3.21	4.16	5.03	369.25	-242.49	125.35	1.40	299.53
1	72	1080	-0.29	-7.61	-7.50	-0.40	0.88	602.55	-475.66	72.97	53.91	539.02
1	72	1081	-2.46	-4.45	-4.22	-2.69	-0.63	606.64	-465.05	87.82	53.77	-535.57
1	72	1082	2.88	0.17	0.56	2.49	-0.95	788.69	-259.22	165.42	364.05	514.45
1	72	1083	4.84	-0.21	0.63	4.00	1.88	1015.97	-103.98	138.99	773.00	461.61
1	72	1084	3.94	0.34	0.88	3.41	1.28	1100.43	72.07	181.02	991.48	316.50
1	72	1085	3.41	0.51	0.83	3.09	0.91	1146.48	171.98	217.60	1100.86	205.85
1	72	1086	3.05	0.64	0.78	2.92	0.55	1163.63	225.37	240.75	1148.25	119.12
1	72	1087	2.85	0.75	0.77	2.83	0.21	1167.56	249.44	251.88	1165.12	47.27
1	72	1088	2.82	0.79	0.80	2.81	-0.12	1167.78	253.36	253.74	1167.41	-18.54
1	72	1089	2.97	0.77	0.88	2.87	-0.47	1166.02	238.57	246.73	1157.87	-86.58
1	72	1090	3.26	0.72	1.03	2.96	-0.82	1155.98	198.57	228.11	1126.45	-165.53
1	72	1091	3.55	0.69	1.20	3.04	-1.09	1124.15	117.29	192.87	1048.57	-265.31
1	72	1092	3.10	0.55	0.71	2.94	-0.63	1052.96	-41.35	136.00	875.61	-403.26
1	72	1093	4.94	-1.77	-1.58	4.75	-1.12	875.04	-220.37	143.32	511.35	-515.87
1	72	1094	8.29	-1.53	2.51	4.26	-4.83	371.03	-249.20	123.35	-1.52	-303.77
1	72	1095	-4.51e-02	-4.30	-4.27	-7.37e-02	0.35	749.74	-88.03	699.58	-37.86	198.77
1	72	1096	0.62	-2.83	-2.48	0.27	1.04	950.06	-120.21	647.09	182.76	482.15
1	72	1097	0.85	-2.79	-2.36	0.42	-1.18	940.87	-119.42	642.79	178.66	-476.65
1	72	1098	1.37	-1.63	-1.61	1.35	0.21	933.72	38.09	576.37	395.44	438.58
1	72	1099	1.43	2.09e-02	0.39	1.07	0.62	979.07	185.74	475.58	689.23	382.01
1	72	1100	2.27	0.34	1.13	1.48	0.95	1032.02	280.81	411.76	901.07	285.00
1	72	1101	2.34	0.63	1.15	1.83	0.78	1072.89	321.40	374.41	1019.88	192.42
1	72	1102	2.21	0.88	1.10	1.99	0.50	1095.70	335.17	352.46	1078.40	113.38
1	72	1103	2.10	1.04	1.08	2.06	0.19	1104.93	338.49	341.17	1102.24	45.29
1	72	1104	2.07	1.10	1.11	2.05	-0.10	1106.19	338.62	339.04	1105.77	-17.92
1	72	1105	2.13	1.03	1.19	1.97	-0.38	1100.60	336.49	345.68	1091.41	-83.29
1	72	1106	2.20	0.87	1.29	1.78	-0.62	1083.85	326.93	361.42	1049.36	-157.84



1	72	1107	2.01	0.67	1.26	1.43	-0.67	1049.38	296.56	389.13	956.81	-247.22
1	72	1108	1.49	0.18	0.37	1.30	-0.46	996.00	222.46	440.43	778.03	-347.99
1	72	1109	1.47	-1.50	-1.42	1.39	-0.49	936.77	92.33	529.15	499.95	-421.97
1	72	1110	-0.31	-3.21	-3.14	-0.38	-0.44	746.13	-88.75	696.49	-39.11	-197.43
1	72	1111	-0.16	-5.00	-5.00	-0.16	-5.52e-03	1031.14	-51.05	1016.03	-35.94	126.96
1	72	1112	3.82e-02	-2.62	-2.60	1.84e-02	0.23	1057.64	102.12	939.95	219.80	314.01
1	72	1113	0.20	-2.58	-2.50	0.12	-0.46	1051.61	98.86	936.16	214.30	-310.91
1	72	1114	0.20	-1.52	-1.50	0.18	0.19	981.82	268.46	843.12	407.16	282.32
1	72	1115	0.48	-7.89e-02	0.12	0.29	0.27	928.33	428.69	701.43	655.59	248.77
1	72	1116	1.25	0.35	1.02	0.58	0.39	947.24	480.52	585.92	841.83	195.15
1	72	1117	1.55	0.72	1.30	0.98	0.38	996.37	464.92	502.69	958.59	136.56
1	72	1118	1.57	1.04	1.32	1.28	0.26	1033.45	437.27	448.81	1021.91	82.14
1	72	1119	1.51	1.24	1.31	1.44	0.11	1051.64	418.71	420.45	1049.91	33.08
1	72	1120	1.46	1.31	1.32	1.45	-3.47e-02	1054.40	415.12	415.40	1054.12	-13.33
1	72	1121	1.51	1.18	1.37	1.31	-0.16	1042.57	427.10	433.23	1036.44	-61.13
1	72	1122	1.51	0.91	1.38	1.04	-0.24	1012.65	451.25	475.41	988.49	-113.94
1	72	1123	1.24	0.61	1.13	0.71	-0.24	964.27	474.66	545.73	893.20	-172.46
1	72	1124	0.63	0.18	0.30	0.50	-0.20	923.79	457.04	648.82	732.01	-229.64
1	72	1125	0.47	-1.13	-1.05	0.39	-0.34	946.87	337.33	782.06	502.13	-270.73
1	72	1126	-0.21	-4.46	-4.46	-0.21	-2.00e-02	1027.17	-50.61	1012.41	-35.85	-125.28
1	72	1127	-9.68e-02	-5.07	-5.07	-9.69e-02	-5.07e-03	1166.12	-36.39	1164.11	-34.38	49.10
1	72	1128	-0.13	-2.74	-2.74	-0.13	5.34e-02	1097.04	212.74	1080.14	229.63	121.07
1	72	1129	-6.81e-02	-2.67	-2.65	-8.26e-02	-0.19	1093.50	208.90	1077.19	225.20	-118.99
1	72	1130	-0.17	-1.50	-1.50	-0.17	3.08e-02	994.86	391.90	974.82	411.95	108.09
1	72	1131	0.10	-7.68e-02	9.18e-02	-6.51e-02	-4.44e-02	860.65	600.60	818.31	642.94	96.01
1	72	1132	0.99	0.22	0.98	0.23	-8.45e-02	850.58	647.08	683.38	814.28	77.90
1	72	1133	1.32	0.61	1.31	0.62	-7.40e-02	935.16	570.72	579.68	926.20	56.44
1	72	1134	1.38	0.95	1.37	0.96	-4.40e-02	992.42	507.16	509.67	989.92	34.79
1	72	1135	1.36	1.14	1.36	1.15	-6.62e-03	1019.60	471.75	472.12	1019.23	14.18
1	72	1136	1.38	1.16	1.37	1.17	3.79e-02	1023.68	465.55	465.61	1023.62	-5.81
1	72	1137	1.42	1.01	1.40	1.03	9.10e-02	1005.96	488.54	489.88	1004.63	-26.26
1	72	1138	1.40	0.72	1.37	0.75	0.15	960.84	540.56	546.09	955.31	-47.90
1	72	1139	1.15	0.38	1.11	0.42	0.17	882.47	616.23	636.08	862.62	-69.93
1	72	1140	0.42	0.12	0.39	0.15	8.88e-02	828.80	644.42	759.41	713.81	-89.32
1	72	1141	-9.60e-03	-0.89	-0.88	-2.03e-02	-9.63e-02	933.46	479.30	480.76	504.00	-102.98
1	72	1142	-0.11	-4.86	-4.86	-0.11	-8.31e-03	1163.14	-36.12	1161.21	-34.19	-48.10
1	72	1143	-0.14	-5.21	-5.21	-0.14	4.36e-02	1183.27	-35.69	1182.50	-34.92	-30.67
1	72	1144	-0.16	-2.67	-2.67	-0.16	5.33e-02	1105.67	222.66	1098.80	229.53	-77.55
1	72	1145	-0.12	-2.60	-2.60	-0.12	-0.12	1103.45	218.80	1096.31	225.94	79.14
1	72	1146	-0.18	-1.34	-1.33	-0.18	-8.40e-02	1002.06	404.84	993.55	413.35	-70.80
1	72	1147	0.54	-0.32	0.28	-5.76e-02	-0.39	855.17	626.92	836.91	645.17	-61.91
1	72	1148	1.35	-1.07e-02	1.03	0.31	-0.58	832.17	684.48	701.46	815.19	-47.11
1	72	1149	1.58	0.39	1.25	0.73	-0.53	928.08	593.17	596.23	925.02	-31.88
1	72	1150	1.52	0.78	1.26	1.04	-0.35	988.11	523.38	524.13	987.36	-18.66
1	72	1151	1.36	1.09	1.23	1.21	-0.13	1016.14	484.99	485.09	1016.03	-7.33
1	72	1152	1.34	1.14	1.24	1.24	9.87e-02	1020.26	478.45	478.47	1020.25	3.07
1	72	1153	1.54	0.86	1.27	1.13	0.33	1001.94	503.75	504.13	1001.56	13.76
1	72	1154	1.65	0.52	1.28	0.88	0.53	955.14	560.87	562.60	953.42	26.00
1	72	1155	1.52	0.16	1.14	0.53	0.60	870.75	646.81	654.47	863.09	40.70
1	72	1156	0.90	-0.12	0.60	0.19	0.47	812.16	683.07	778.46	716.77	56.70
1	72	1157	-1.46e-02	-0.66	-0.62	-5.18e-02	0.15	938.91	495.89	927.82	506.98	69.20
1	72	1158	-0.17	-5.15	-5.15	-0.17	-5.36e-02	1181.00	-35.69	1180.20	-34.89	31.17
1	72	1159	-0.42	-5.48	-5.48	-0.42	3.30e-02	1078.93	-50.26	1068.27	-39.61	-109.18
1	72	1160	-9.64e-02	-2.38	-2.38	-9.77e-02	-5.40e-02	1077.26	133.27	994.05	216.49	-267.64
1	72	1161	5.28e-02	-2.25	-2.25	5.18e-02	4.81e-02	1075.75	131.01	991.72	215.04	268.93
1	72	1162	0.35	-0.96	-0.92	0.31	-0.25	1002.15	310.13	899.81	412.46	-245.66
1	72	1163	1.46	-0.34	0.73	0.39	-0.88	930.93	490.96	758.84	663.04	-214.71
1	72	1164	2.16	-0.14	1.09	0.92	-1.15	936.49	548.38	641.41	843.47	-165.68
1	72	1165	2.13	0.22	1.05	1.30	-0.95	984.78	520.35	551.10	954.04	-115.48
1	72	1166	1.90	0.59	0.98	1.50	-0.60	1023.16	479.74	488.78	1014.13	-69.49
1	72	1167	1.67	0.87	0.95	1.59	-0.23	1042.14	453.44	454.75	1040.83	-27.79
1	72	1168	1.64	0.92	0.94	1.62	0.13	1044.84	448.91	449.14	1044.61	11.80
1	72	1169	1.86	0.69	0.98	1.57	0.51	1032.16	467.08	471.94	1027.30	52.18
1	72	1170	2.13	0.37	1.07	1.42	0.86	1001.09	503.62	522.92	981.79	96.06
1	72	1171	2.22	6.61e-02	1.16	1.12	1.08	953.01	541.74	601.63	893.13	145.06
1	72	1172	1.82	-0.12	0.93	0.76	0.97	922.04	527.22	708.14	741.12	196.72
1	72	1173	0.76	-0.45	-0.22	0.52	0.48	964.73	388.40	840.00	513.13	237.34
1	72	1174	-0.60	-5.48	-5.48	-0.60	-3.07e-02	1076.96	-51.50	1066.20	-40.73	109.68
1	72	1175	0.72	-4.60	-3.66	-0.23	-2.03	800.59	-98.69	757.59	-55.69	-191.89
1	72	1176	1.01	-3.94	-3.87	0.94	0.59	925.02	-40.57	717.66	166.79	-396.52
1	72	1177	1.16	-2.75	-2.70	1.11	-0.44	931.48	-35.18	724.03	172.28	396.86
1	72	1178	1.43	0.54	1.07	0.89	-0.44	964.62	127.27	692.78	399.10	-392.08
1	72	1179	3.63	-0.18	1.14	2.31	-1.81	996.99	292.33	583.74	705.57	-347.03
1	72	1180	3.37	-0.13	0.93	2.31	-1.61	1030.38	376.48	508.84	898.02	-262.74
1	72	1181	2.88	7.30e-02	0.69	2.26	-1.16	1063.83	394.60	449.17	1009.26	-183.15
1	72	1182	2.45	0.33	0.60	2.18	-0.70	1083.97	387.93	406.01	1065.89	-110.71



1	72	1183	2.18	0.53	0.57	2.13	-0.27	1092.36	378.88	381.65	1089.59	-44.35
1	72	1184	2.15	0.56	0.57	2.14	0.13	1093.26	377.29	377.80	1092.74	19.22
1	72	1185	2.38	0.42	0.59	2.21	0.55	1087.60	384.69	394.83	1077.46	83.83
1	72	1186	2.80	0.20	0.70	2.30	1.02	1072.17	394.96	431.51	1035.62	153.02
1	72	1187	3.28	5.33e-02	0.99	2.34	1.47	1043.50	391.02	484.84	949.68	228.95
1	72	1188	3.13	0.31	1.29	2.15	1.34	1007.01	335.15	549.76	792.40	313.26
1	72	1189	3.66	2.97e-03	0.76	2.90	1.48	981.59	197.01	648.04	530.55	387.86
1	72	1190	0.35	-5.11	-4.15	-0.62	2.08	791.08	-106.84	747.93	-63.69	192.04
1	72	1191	4.57	-3.75	-0.45	1.27	4.07	172.10	-170.68	98.67	-97.26	-140.63
1	72	1192	6.29	-6.28	2.92	-2.90	5.57	627.15	-228.68	368.22	30.25	-393.13
1	72	1193	5.63	-6.38	-1.49	0.74	-5.90	609.61	-246.55	341.36	21.69	397.12
1	72	1194	5.92	-2.43	-1.49	4.98	2.64	850.61	-237.79	276.12	336.70	-543.36
1	72	1195	5.19	0.96	1.92	4.23	-1.77	1037.75	49.14	324.54	762.35	-443.19
1	72	1196	4.32	0.10	0.67	3.75	-1.44	1105.06	187.17	320.98	971.25	-323.91
1	72	1197	3.50	-2.97e-02	0.25	3.22	-0.95	1143.68	241.28	302.67	1082.30	-227.21
1	72	1198	2.93	0.10	0.22	2.81	-0.56	1156.73	260.55	282.51	1134.77	-138.56
1	72	1199	2.63	0.21	0.23	2.61	-0.23	1158.64	265.80	269.28	1155.16	-55.64
1	72	1200	2.60	0.23	0.23	2.59	8.16e-02	1158.35	266.64	267.32	1157.66	24.70
1	72	1201	2.83	0.15	0.21	2.76	0.41	1157.39	264.67	277.48	1144.59	106.15
1	72	1202	3.35	3.78e-02	0.25	3.15	0.81	1149.81	254.17	297.44	1106.54	192.05
1	72	1203	4.20	0.16	0.68	3.68	1.36	1123.55	220.33	321.37	1022.50	284.70
1	72	1204	5.50	0.79	2.06	4.23	2.09	1074.36	127.54	338.40	863.50	393.93
1	72	1205	4.48	-2.53	0.58	1.38	-3.48	912.71	-136.27	276.35	500.09	512.42
1	72	1206	5.57	0.47	2.73	3.31	-2.53	175.54	-151.54	80.55	-56.56	148.48
1	72	1207	3.19	-26.22	-19.13	-3.90	12.58	276.53	-434.52	-418.44	260.45	105.71
1	72	1208	1.79	-2.23	1.54	-1.98	0.97	-448.45	-1207.24	-880.56	-775.13	-375.72
1	72	1209	0.88	-1.12	0.85	-1.08	-0.27	-424.66	-1183.29	-870.08	-737.87	373.51
1	72	1210	10.74	-8.34	10.26	-7.87	2.98	546.49	-440.72	-277.73	383.51	-366.52
1	72	1211	5.98	3.88	4.67	5.19	-1.02	1016.27	-107.84	77.14	831.29	-416.80
1	72	1212	4.70	0.17	0.26	4.60	-0.65	1172.78	-5.07	118.14	1049.56	-360.48
1	72	1213	3.65	-6.21e-02	-2.16e-02	3.61	-0.39	1227.31	63.04	125.51	1164.84	-262.35
1	72	1214	3.11	-1.55e-02	6.38e-03	3.08	-0.26	1238.39	98.49	122.03	1214.86	-162.09
1	72	1215	2.84	2.37e-02	2.91e-02	2.83	-0.12	1236.32	114.15	117.96	1232.51	-65.24
1	72	1216	2.79	2.85e-02	2.86e-02	2.79	2.18e-02	1235.32	116.62	117.40	1234.54	29.55
1	72	1217	2.96	-2.99e-03	5.11e-03	2.95	0.15	1237.75	106.95	121.07	1223.64	125.56
1	72	1218	3.41	-4.91e-02	-2.79e-02	3.39	0.27	1234.54	81.10	126.96	1188.68	225.37
1	72	1219	4.37	0.14	0.20	4.30	0.50	1202.94	30.19	129.75	1103.38	326.87
1	72	1220	5.91	3.51	4.18	5.24	1.07	1104.25	-42.29	122.65	939.31	402.37
1	72	1221	10.30	-3.41	9.40	-2.51	-3.40	790.31	-246.08	-51.09	595.32	405.05
1	72	1222	3.51	-24.60	-17.35	-3.73	-12.29	275.25	-442.09	-423.76	256.91	-113.20
1	72	1223	6.33	-10.05	-9.06	5.34	-3.91	-101.74	-290.24	-288.18	-103.80	-19.56
1	72	1224	8.67	-1.64	-1.19	8.23	2.09	312.92	-328.61	216.06	-231.75	-229.69
1	72	1225	4.48	-3.25	-1.20	2.42	-3.41	231.97	-262.84	182.37	-213.24	148.60
1	72	1226	25.27	5.32	11.24	19.36	-9.11	280.51	-3.30	186.10	91.10	-133.72
1	72	1227	5.08	-3.06	-3.02	5.04	-0.56	812.11	-102.79	-78.22	787.54	-147.91
1	72	1228	3.50	-0.60	-0.58	3.48	0.27	1101.39	-43.97	-26.71	1084.13	-139.54
1	72	1229	3.29	-0.10	-9.99e-02	3.28	9.77e-02	1213.99	-26.27	-17.95	1205.66	-101.26
1	72	1230	2.98	-3.19e-02	-3.14e-02	2.98	3.87e-02	1258.70	-17.35	-14.30	1255.65	-62.25
1	72	1231	2.76	-2.20e-02	-2.19e-02	2.76	1.22e-02	1272.84	-12.92	-12.44	1272.35	-24.94
1	72	1232	2.69	-2.14e-02	-2.14e-02	2.69	-8.23e-03	1274.34	-12.25	-12.15	1274.24	11.38
1	72	1233	2.77	-3.02e-02	-2.97e-02	2.77	-3.50e-02	1266.10	-15.29	-13.47	1264.27	48.30
1	72	1234	2.93	-9.87e-02	-9.58e-02	2.93	-9.42e-02	1236.44	-22.75	-16.68	1230.38	87.20
1	72	1235	2.96	-0.59	-0.57	2.94	-0.28	1156.29	-39.22	-25.43	1142.50	127.65
1	72	1236	3.69	-3.38	-3.38	3.69	-1.25e-02	929.95	-99.95	-78.69	908.69	146.44
1	72	1237	21.10	6.76	13.40	14.45	7.15	498.44	107.63	179.98	426.09	151.79
1	72	1238	4.85	-9.02	-7.36	3.19	4.50	-130.12	-267.54	-259.31	-138.35	32.61

M_G

N max

N min

N 1

N 2

N 1-2

M max

M min

M 1

M 2

M 1-2

95.72

-77.60

-35.00

-77.42

-43.13

38.81

2036.96

-6766.95

-6760.67

-3175.28

95.71

39.14

38.81

2036.82

1132.06



17. VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

17.1. LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d , le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

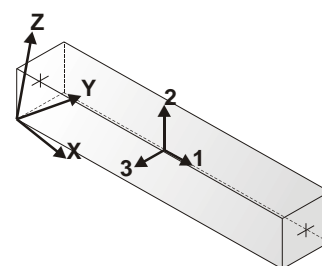
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze (**G.R.**) vengono riportate le verifiche di sovrarresistenza e del nodo.

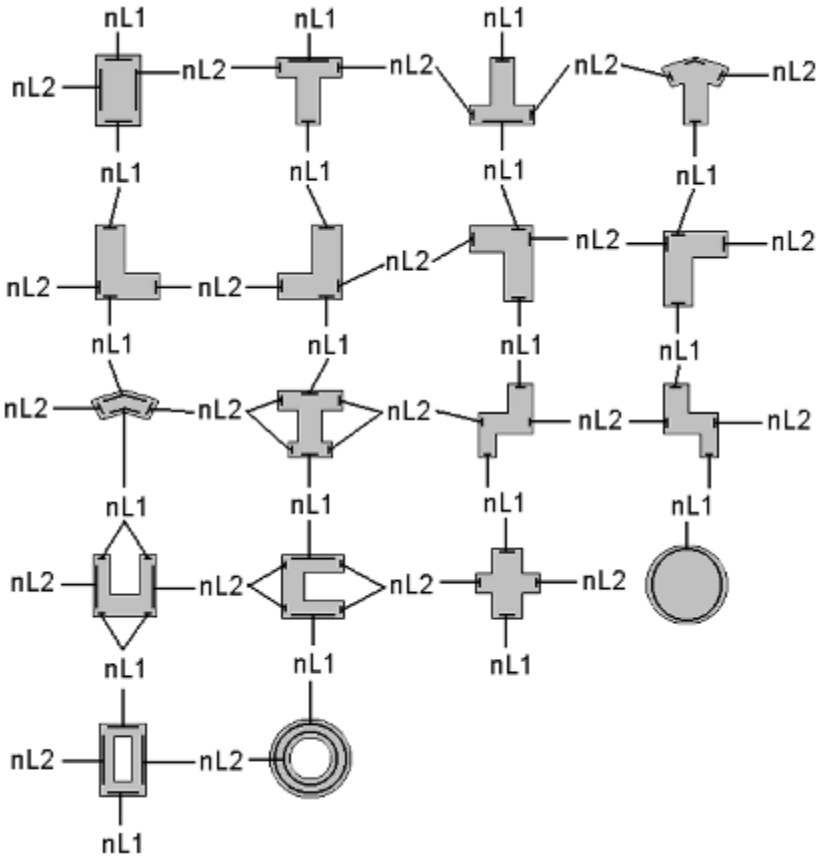
Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali



Orientamento elementi 2D non verticali



Orientamento elementi 2D verticali



17.2. PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

“Sia per CD“A” sia per CD“B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall’analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- [...];
- quella trasferita dagli elementi soprastanti nell’ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD“A” e 1,10 in CD“B”;

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall’analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando 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.

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli S.L. dei pilastri è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastriata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell’elemento D2
Note	Codici identificativi delle sezione (s) e materiale (m) pilastro
Stato	Codici relativi all’esito delle verifiche effettuate appresso descritte
Quota	Quota sezione di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
r. snell.	Rapporto di snellezza λ su λ^* : valore superiore a 1 per elementi snelli nel caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Armat. long.	Numero e diametro (d) dei ferri di armatura longitudinale distinti in ferri di vertice + ferri di lato nelle posizioni nL1 e nL2, come da schemi in figura precedente



V N/M	Verifica a pressoflessione con rapporto Ed/Rd: valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto Nsd/Nrd ed Nrd calcolato come al punto 7.4.4.2.1: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto Ved/Vrd: valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche alla G.R. dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell'elemento D2 pilastro
sovr. Xi (Xf)	Verifica sovraresistenza come da formula 7.4.4 in direzione X, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
sovr. Yi (Yf)	Verifica sovraresistenza come da formula 7.4.4 in direzione Y, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
M 2-2 i (f)	Valore del momento resistente 2-2 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
M 3-3 i (f)	Valore del momento resistente 3-3 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2 (M3-3)	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per le verifiche dei dettagli costruttivi per la duttilità è presente una tabella con i simboli di seguito descritti:

(Non presente nel caso di comportamento strutturale non dissipativo)

Pilas	Numero identificativo D2 pilastro
ni	Sforzo assiale adimensionalizzato di progetto relativo alla combinazione sismica SLV
alfaomega	Prodotto tra il coefficiente di efficacia del confinamento e il rapporto meccanico dell'armatura trasversale di confinamento all'interno del nodo
V.7.4.29 2-2 (3-3)	Rapporto tra la domanda di staffe minima nel nodo e il rapporto meccanico dell'armatura trasversale di confinamento inserito all'interno del nodo in direzione 2 (3)
V. 7.4.29 Stato	Codici relativi all'esito della verifica 7.4.29
dmu_fi 2-2 (3-3)	Domanda in duttilità di curvatura in direzione 2 (3)



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cmu_fi 2-2 (3- Capacità in duttilità di curvatura in direzione 2 (3)
3)

V. dutt. 2-2 (3- Rapporto tra la domanda in duttilità di curvatura e la capacità in duttilità di curvatura in direzione
3) 2 (3)

Per le verifiche nodi trave-pilastro di elementi nuovi è presente una tabella con i simboli di seguito descritti:

Nodo	Numero identificativo del nodo trave-pilastro
Stato	Esito delle verifiche
Pilastro	Numero identificativo D2 pilastro
Diam st	Diametro staffe nodo
Passo	Passo staffe nodo
n. br. 2 (3)	Numero braccia staffe per il taglio in direzione 2 (3)
Bj2 (3)	Larghezza effettiva del nodo per il taglio in direzione 2 (3)
Hjc2 (3)	Distanza tra le giaciture più esterne delle armature del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio V_{jbd} e il taglio resistente come da formula 7.4.8
V. Ash	Rapporto tra il passo staffe calcolato secondo il capitolo 7.4.4.3.1. e il passo staffe effettivamente inserita nel nodo. Nel caso di valore indica passo staffe utilizzato deriva dalle formule presenti nel paragrafo 7.4.4.3.1. Nel caso di valore minore di 1 il passo staffe utilizzato deriva del pilastro superiore o inferiore al nodo
7.4.10	Check passo staffe valutato in funzione della formula 7.4.10: <ul style="list-style-type: none">• SI il passo staffe è calcolato utilizzando la formula 7.4.10;• NO il passo staffe è calcolato utilizzando le formule 7.4.11 e/o 7.4.12;• NR calcolo passo staffe non richiesto;
Rif. comb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il nodo

Per le verifiche nodi trave-pilastro di elementi esistenti è presente una tabella con i simboli di seguito descritti:

Pilastro I	Numero identificativo D2 del pilastro inferiore.
Pilastro S	Numero identificativo D2 del pilastro superiore.
Nodo	Numero identificativo del nodo trave-pilastro.
SL cod	Stato limite di riferimento e relativo esito delle verifiche.
ver. (+)	Fattore di sicurezza nei riguardi della verifica di resistenza a compressione (verificato se < 1.00).
V +	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a compressione.



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V + af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a compressione.
N +	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a compressione.
ver. (-)	Fattore di sicurezza nei riguardi della verifica di resistenza a trazione (verificato se < 1.00).
V -	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a trazione.
V - af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a trazione.
N -	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a trazione.
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2}*h_{jc2}$).
AreaV3	Area resistente del nodo in direzione 3 ($A_{j3}=b_{j3}*h_{jc3}$).
Rif. comb.	Combinazione (direzione) di riferimento nella verifica di trazione.

Per le verifiche agli S.L. delle travi è presente una tabella con i simboli di seguito descritti:

M_T Z P P	Numero della travata (T), quota media (Z), n° pilastrata iniziale (P) e finale (P) (nodo in assenza di pilastrata)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso
Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto E_d/R_d : valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto V_{ed}/V_{rd} : valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Per le verifiche alla G.R. delle travi è presente una tabella con i simboli di seguito descritti:

Trave	numero identificativo dell'elemento D2 trave
-------	--



M negativo i	Valore del momento resistente negativo all' estremità iniziale i (finale f) della trave (f)
M positivo i (f)	Valore del momento resistente positivo all' estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M+i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD "A")
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD "A")

Per le verifiche a taglio ciclico di travi e pilastri esistenti è presente una tabella con i simboli di seguito descritti:

Trave/Pilastro	Numero identificativo dell'elemento D2 trave/pilastro
V. SLV	Codice relativo all'esito delle verifiche
Nodo	Numero identificativo del nodo di verifica
Ver. VC	Fattore di sicurezza nei confronti della verifica a taglio ciclico (verificato se < 1.00)
Direz.	Direzione di verifica
N fr	Valore di sforzo normale calcolato con fattore di comportamento fragile
V fr	Valore di taglio calcolato con fattore di comportamento fragile
M fr	Valore di momento calcolato con fattore di comportamento fragile
N dutt	Valore di sforzo normale calcolato con fattore di comportamento duttile
LV	Lunghezza di taglio
Mud,pl	Parte plastica della domanda di duttilità
V cic	Resistenza a taglio in condizioni cicliche (C8.7.2.8)
Cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

Per le verifiche alle T.A. di pilastri e travi è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
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M_T Z P P	Numero della travata, quota media pilastrata iniziale e finale (nodo in assenza di pilastrata)
Pilas. o Trave	numero identificativo dell'elemento D2
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m); nella terza riga viene riportato il valore delle snellezze in direzione 2-2 e 3-3
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Quota	Ascissa del punto di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Armat. long.	Numero e diametro dei ferri di armatura longitudinale: ferri di vertice + ferri di lato (come da fig. precedente)
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup	Area di armatura longitudinale posta all'estradosso della trave
Sc max	Massima tensione di compressione del calcestruzzo
Sc med	Massima tensione media di compressione del calcestruzzo
Sf max	Tensione massima nell'acciaio
staffe	Vengono riportati i dati del tratto di staffatura in cui cade la sezione di verifica; in particolare: numero dei bracci, diametro, passo, lunghezza tratto
Tau max	Tensione massima tangenziale nel cls
Rif. comb	Combinazioni in cui si generano i seguenti valori di tensione: Sc max, Sc med, Sf max, Tau max
AfV	area dell'armatura atta ad assorbire le azioni di taglio
AfT	area dell'armatura atta ad assorbire le azioni di torsione
Scorr. P	Scorrimento dei piegati
Af long.	Area del ferro longitudinale aggiuntivo per assorbire la torsione

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
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE



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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.
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.
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
68	VALUTAZIONE EFFETTO P-δ SU PILASTRATA
69	VALUTAZIONE EFFETTO P-δ SU TELAIO 3D
120	PROGETTO E VERIFICA DI TRAVI PREM

Pilas.	Note	Stato	Quota cm	%Af	M_P= 1 r. snell.	X=0.0 Armat. long.	Y=0.0 V N/M	V N sis	Staffe L=cm	V V/T cls	V V/T acc	Rif. cmb
1	s=1,m=5	ok,ok	0.0	1.79	0.28	4d16 2+2 d16	0.14	0.04	3+3d8/12 L=50	0.35	0.25	
30,12,18,34			150.0	1.79	0.28	4d16 2+2 d16	0.17	0.043+3d8/15 L=200		0.35	0.30	2,12,18,34
	[b=1.0;1.0]		300.0	1.79	0.28	4d16 2+2 d16	0.44	0.04	3+3d8/12 L=50	0.35	0.25	2,12,18,34
					M_P= 2	X=570.0	Y=0.0					
13	s=1,m=5	ok,ok	0.0	1.79	0.42	4d16 2+2 d16	0.31	0.09	3+3d8/12 L=50	0.39	0.26	
32,30,12,24			150.0	1.79	0.42	4d16 2+2 d16	0.29	0.093+3d8/15 L=200		0.39	0.31	2,30,12,24
	[b=1.0;1.0]		300.0	1.79	0.42	4d16 2+2 d16	0.83	0.09	3+3d8/12 L=50	0.39	0.26	2,30,12,24
					M_P= 3	X=1170.0	Y=0.0					
15	s=1,m=5	ok,ok	0.0	1.79	0.38	4d16 2+2 d16	0.25	0.07	3+3d8/12 L=50	0.37	0.26	
30,32,20,33			150.0	1.79	0.38	4d16 2+2 d16	0.26	0.073+3d8/15 L=200		0.37	0.31	2,32,20,33
	[b=1.0;1.0]		300.0	1.79	0.38	4d16 2+2 d16	0.74	0.07	3+3d8/12 L=50	0.37	0.26	2,32,20,33
					M_P= 4	X=1660.0	Y=0.0					
16	s=1,m=5	ok,ok	0.0	1.79	0.39	4d16 2+2 d16	0.26	0.08	3+3d8/12 L=50	0.37	0.26	24,30,8,30
			150.0	1.79	0.39	4d16 2+2 d16	0.26	0.073+3d8/15 L=200		0.37	0.31	2,30,8,30
	[b=1.0;1.0]		300.0	1.79	0.39	4d16 2+2 d16	0.76	0.07	3+3d8/12 L=50	0.37	0.26	2,30,8,30
					M_P= 5	X=2260.0	Y=0.0					
17	s=1,m=5	ok,ok	0.0	1.79	0.39	4d16 2+2 d16	0.26	0.08	3+3d8/12 L=50	0.37	0.26	
22,24,16,36			150.0	1.79	0.39	4d16 2+2 d16	0.26	0.083+3d8/15 L=200		0.37	0.31	2,24,16,36
	[b=1.0;1.0]		300.0	1.79	0.39	4d16 2+2 d16	0.74	0.07	3+3d8/12 L=50	0.37	0.26	2,24,16,36
					M_P= 6	X=2680.0	Y=0.0					
5	s=1,m=5	ok,ok	0.0	1.79	0.30	4d16 2+2 d16	0.17	0.05	3+3d8/12 L=50	0.34	0.25	24,24,6,22
			150.0	1.79	0.30	4d16 2+2 d16	0.19	0.043+3d8/15 L=200		0.34	0.30	2,24,6,22
	[b=1.0;1.0]		300.0	1.79	0.30	4d16 2+2 d16	0.51	0.04	3+3d8/12 L=50	0.34	0.25	2,24,6,22



Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
29	s=1,m=5	ok,ok	0.0	1.79	0.37	4d16 2+2 d16	0.20	0.07	3+3d8/12 L=50	0.37	0.26	
24,22,16,13			150.0	1.79	0.37	4d16 2+2 d16	0.23	0.07	3+3d8/15 L=200	0.37	0.31	2,22,16,13
	[b=1.0;1.0]		300.0	1.79	0.37	4d16 2+2 d16	0.65	0.07	3+3d8/12 L=50	0.37	0.26	2,22,16,13
42	s=1,m=5	ok,ok	0.0	1.79	0.27	4d16 2+2 d16	0.13	0.04	3+3d8/12 L=50	0.33	0.24	8,6,16,20
			150.0	1.79	0.27	4d16 2+2 d16	0.15	0.04	3+3d8/15 L=200	0.33	0.29	2,6,16,20
	[b=1.0;1.0]		300.0	1.79	0.27	4d16 2+2 d16	0.40	0.03	3+3d8/12 L=50	0.33	0.24	2,6,16,20
2	s=1,m=5	ok,ok	0.0	1.79	0.28	4d16 2+2 d16	0.14	0.04	3+3d8/12 L=50	0.35	0.25	33,19,9,29
			150.0	1.79	0.28	4d16 2+2 d16	0.17	0.04	3+3d8/15 L=200	0.35	0.30	2,19,9,29
	[b=1.0;1.0]		300.0	1.79	0.28	4d16 2+2 d16	0.44	0.04	3+3d8/12 L=50	0.35	0.25	2,19,9,29
18	s=1,m=5	ok,ok	0.0	1.79	0.42	4d16 2+2 d16	0.31	0.09	3+3d8/12 L=50	0.39	0.26	
35,33,19,27			150.0	1.79	0.42	4d16 2+2 d16	0.29	0.09	3+3d8/15 L=200	0.39	0.31	2,33,19,27
	[b=1.0;1.0]		300.0	1.79	0.42	4d16 2+2 d16	0.83	0.09	3+3d8/12 L=50	0.39	0.26	2,33,19,27
6	s=1,m=5	ok,ok	0.0	1.79	0.38	4d16 2+2 d16	0.25	0.07	3+3d8/12 L=50	0.37	0.26	
33,35,11,30			150.0	1.79	0.38	4d16 2+2 d16	0.26	0.07	3+3d8/15 L=200	0.37	0.31	2,35,11,30
	[b=1.0;1.0]		300.0	1.79	0.38	4d16 2+2 d16	0.74	0.07	3+3d8/12 L=50	0.37	0.26	2,35,11,30
7	s=1,m=5	ok,ok	0.0	1.79	0.39	4d16 2+2 d16	0.26	0.08	3+3d8/12 L=50	0.37	0.26	
27,33,15,33			150.0	1.79	0.39	4d16 2+2 d16	0.26	0.07	3+3d8/15 L=200	0.37	0.31	2,33,15,33
	[b=1.0;1.0]		300.0	1.79	0.39	4d16 2+2 d16	0.76	0.07	3+3d8/12 L=50	0.37	0.26	2,33,15,33
8	s=1,m=5	ok,ok	0.0	1.79	0.39	4d16 2+2 d16	0.26	0.08	3+3d8/12 L=50	0.37	0.26	25,27,7,31
			150.0	1.79	0.39	4d16 2+2 d16	0.26	0.08	3+3d8/15 L=200	0.37	0.31	2,27,7,31
	[b=1.0;1.0]		300.0	1.79	0.39	4d16 2+2 d16	0.74	0.07	3+3d8/12 L=50	0.37	0.26	2,27,7,31
9	s=1,m=5	ok,ok	0.0	1.79	0.30	4d16 2+2 d16	0.17	0.05	3+3d8/12 L=50	0.34	0.25	
27,27,13,25			150.0	1.79	0.30	4d16 2+2 d16	0.19	0.04	3+3d8/15 L=200	0.34	0.30	2,27,13,25
	[b=1.0;1.0]		300.0	1.79	0.30	4d16 2+2 d16	0.51	0.04	3+3d8/12 L=50	0.34	0.25	2,27,13,25
30	s=1,m=5	ok,ok	0.0	1.79	0.37	4d16 2+2 d16	0.20	0.07	3+3d8/12 L=50	0.37	0.26	27,25,7,7
			150.0	1.79	0.37	4d16 2+2 d16	0.23	0.07	3+3d8/15 L=200	0.37	0.31	2,25,7,7
	[b=1.0;1.0]		300.0	1.79	0.37	4d16 2+2 d16	0.65	0.07	3+3d8/12 L=50	0.37	0.26	2,25,7,7
43	s=1,m=5	ok,ok	0.0	1.79	0.27	4d16 2+2 d16	0.13	0.04	3+3d8/12 L=50	0.33	0.24	15,13,7,10
			150.0	1.79	0.27	4d16 2+2 d16	0.15	0.04	3+3d8/15 L=200	0.33	0.29	2,13,7,10
	[b=1.0;1.0]		300.0	1.79	0.27	4d16 2+2 d16	0.40	0.03	3+3d8/12 L=50	0.33	0.24	2,13,7,10
Pilas.				%Af	r. snell.		V N/M	V N sis		V V/T cls	V V/T acc	
				1.79	0.42		0.83	0.09		0.39	0.31	
Pilas.	sovr. Xi	sovr. Xf	sovr. Yi	sovr. Yf	M 2-2 i	M 2-2 f	M 3-3 i	M 3-3 f	Luce per V	V M2-2	V M3-3	
					daN cm	daN cm	daN cm	daN cm	cm	daN	daN	
1	0.0	0.0	0.0	0.0	8.002e+05	7.930e+05	8.002e+05	7.930e+05	240.00	6668.47	6668.47	
2	0.0	0.0	0.0	0.0	8.002e+05	7.930e+05	8.002e+05	7.930e+05	240.00	6668.45	6668.45	
5	0.0	0.0	0.0	0.0	8.074e+05	8.002e+05	8.074e+05	8.002e+05	240.00	6728.07	6728.07	
6	0.0	0.0	0.0	0.0	8.384e+05	8.313e+05	8.384e+05	8.313e+05	240.00	6986.69	6986.69	
7	0.0	0.0	0.0	0.0	8.426e+05	8.356e+05	8.426e+05	8.356e+05	240.00	7021.85	7021.85	
8	0.0	0.0	0.0	0.0	8.433e+05	8.363e+05	8.433e+05	8.363e+05	240.00	7027.81	7027.81	
9	0.0	0.0	0.0	0.0	8.074e+05	8.002e+05	8.074e+05	8.002e+05	240.00	6728.04	6728.04	
13	0.0	0.0	0.0	0.0	8.579e+05	8.509e+05	8.579e+05	8.509e+05	240.00	7149.10	7149.10	
15	0.0	0.0	0.0	0.0	8.384e+05	8.313e+05	8.384e+05	8.313e+05	240.00	6986.70	6986.70	
16	0.0	0.0	0.0	0.0	8.426e+05	8.356e+05	8.426e+05	8.356e+05	240.00	7021.81	7021.81	
17	0.0	0.0	0.0	0.0	8.433e+05	8.363e+05	8.433e+05	8.363e+05	240.00	7027.81	7027.81	
18	0.0	0.0	0.0	0.0	8.579e+05	8.509e+05	8.579e+05	8.509e+05	240.00	7149.11	7149.11	
29	0.0	0.0	0.0	0.0	8.350e+05	8.279e+05	8.350e+05	8.279e+05	240.00	6958.64	6958.64	
30	0.0	0.0	0.0	0.0	8.350e+05	8.279e+05	8.350e+05	8.279e+05	240.00	6958.65	6958.65	



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42	0.0	0.0	0.0	0.0	7.983e+05	7.911e+05	7.983e+05	7.911e+05	240.00	6652.83	6652.83
43	0.0	0.0	0.0	0.0	7.983e+05	7.911e+05	7.983e+05	7.911e+05	240.00	6652.77	6652.77

Pilas.					M 2-2 i	M 2-2 f	M 3-3 i	M 3-3 f		V M2-2	V M3-3
					8.579e+05	8.509e+05	8.579e+05	8.509e+05		7149.11	7149.11

Pilas.	nid	alfaomega	V. 7.4.29 2-2	V. 7.4.29 3-3	V. 7.4.29 Stato	dmu_fi 2-2	dmu_fi 3-3	cmu_fi 2-2	cmu_fi 3-3	V. dut. 2-2	V. dut. 3-3
1	0.03	0.08	0.0	0.0	ok	13.2	15.1	15.1	15.1	0.87	1.00
	0.02	0.08	0.0	0.0	ok			15.7	15.7	0.84	0.96
2	0.03	0.08	0.0	0.0	ok	13.2	15.1	15.1	15.1	0.87	1.00
	0.02	0.08	0.0	0.0	ok			15.7	15.7	0.84	0.96
5	0.03	0.08	0.0	0.0	ok	13.2	15.1	14.6	14.6	0.91	1.04
	0.03	0.08	0.0	0.0	ok			15.1	15.1	0.87	1.00
6	0.05	0.08	0.12	0.20	ok	13.2	15.1	12.5	12.5	1.05	1.20
	0.04	0.08	0.07	0.14	ok			13.0	13.0	1.02	1.16
7	0.05	0.08	0.14	0.23	ok	13.2	15.1	12.3	12.3	1.07	1.23
	0.05	0.08	0.10	0.17	ok			12.7	12.7	1.04	1.19
8	0.05	0.08	0.15	0.23	ok	13.2	15.1	12.3	12.3	1.08	1.23
	0.05	0.08	0.10	0.18	ok			12.7	12.7	1.04	1.19
9	0.03	0.08	0.0	0.0	ok	13.2	15.1	14.6	14.6	0.91	1.04
	0.03	0.08	0.0	0.0	ok			15.1	15.1	0.87	1.00
13	0.06	0.08	0.24	0.34	ok	13.2	15.1	11.5	11.5	1.15	1.31
	0.06	0.08	0.20	0.29	ok			11.9	11.9	1.11	1.27
15	0.05	0.08	0.12	0.20	ok	13.2	15.1	12.5	12.5	1.05	1.20
	0.04	0.08	0.07	0.14	ok			13.0	13.0	1.02	1.16
16	0.05	0.08	0.14	0.23	ok	13.2	15.1	12.3	12.3	1.07	1.23
	0.05	0.08	0.10	0.17	ok			12.7	12.7	1.04	1.19
17	0.05	0.08	0.15	0.23	ok	13.2	15.1	12.3	12.3	1.08	1.23
	0.05	0.08	0.10	0.18	ok			12.7	12.7	1.04	1.19
18	0.06	0.08	0.24	0.34	ok	13.2	15.1	11.5	11.5	1.15	1.31
	0.06	0.08	0.20	0.29	ok			11.9	11.9	1.11	1.27
29	0.05	0.08	0.10	0.17	ok	13.2	15.1	12.7	12.7	1.04	1.19
	0.04	0.08	0.05	0.12	ok			13.2	13.2	1.00	1.15
30	0.05	0.08	0.10	0.17	ok	13.2	15.1	12.7	12.7	1.04	1.19
	0.04	0.08	0.05	0.12	ok			13.2	13.2	1.00	1.15
42	0.03	0.08	0.0	0.0	ok	13.2	15.1	15.2	15.2	0.87	0.99
	0.02	0.08	0.0	0.0	ok			15.8	15.8	0.83	0.95
43	0.03	0.08	0.0	0.0	ok	13.2	15.1	15.2	15.2	0.86	0.99
	0.02	0.08	0.0	0.0	ok			15.8	15.8	0.83	0.95
			2-2	3-3						2-2	3-3
			0.24	0.34						1.15	1.31

Nodo cmb	Conf.	Stato	Pilas.	Diam	st	Passo	n. br. 2	Bj2	Hjc2	n. br. 3	Bj3	Hjc3	V. 7.4.8	V. Ash	7.4.10	Rif.
2	NO	ok	1	8	12.5	3	30.0	22.8	3	30.0	22.8	0.3	1.0	NO	5,9	
4	NO	ok	2	8	12.5	3	30.0	22.8	3	30.0	22.8	0.3	1.0	NO	5,18	
5	NO	ok	15	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
6	NO	ok	18	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	1.0	NO	5,36	
7	NO	ok	17	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
8	NO	ok	16	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
10	NO	ok	6	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
14	NO	ok	7	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
16	NO	ok	8	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
18	NO	ok	9	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
19	NO	ok	5	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
20	NO	ok	13	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	1.0	NO	5,31	
26	NO	ok	29	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
28	NO	ok	30	8	5.0	3	30.0	22.8	3	30.0	22.8	0.5	0.8	NO	5,5	
1239	NO	ok	42	8	10.0	3	30.0	22.8	3	30.0	22.8	0.3	0.8	NO	5,7	
1240	NO	ok	43	8	10.0	3	30.0	22.8	3	30.0	22.8	0.3	0.8	NO	5,16	

Nodo					Passo							V. 7.4.8	V. Ash
					5.00							0.47	1.00

Trave	Note	Pos. cm	%Af	Af inf.	Af sup.	Af long.	M_T=1 x/d	Z=300.0 V N/M	P=1 V V/T cls	P=9 V V/T acc	Staffe L=cm	Rif. cmb
3	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.44	0.17	0.12	2d8/8 L=50	2,20,2



	s=2,m=5	315.0	0.33	4.0	4.0	0.0	0.10	0.89	0.07	0.11	2d8/20 L=250	2,20,36
35	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.89	0.07	0.11	2d8/20 L=250	2,10,36
	s=2,m=5	315.0	0.33	4.0	4.0	0.0	0.10	0.44	0.17	0.12	2d8/8 L=50	2,10,2
							M_T= 2	Z=300.0	P=5	P=13		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
4	ok,ok	0.0	0.67	8.0	6.0	0.0	0.11	0.76	0.33	0.26	2d8/8 L=50	2,2,2
	s=2,m=5	315.0	0.67	8.0	4.0	0.0	0.14	0.90	0.10	0.19	2d8/20 L=500	2,12,36
		630.0	0.67	8.0	6.0	0.0	0.11	0.76	0.33	0.26	2d8/8 L=50	2,2,2
							M_T= 3	Z=300.0	P=6	P=14		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
10	ok,ok	0.0	0.50	6.0	4.0	0.0	0.10	0.49	0.18	0.14	2d8/8 L=50	2,8,36
	s=2,m=5	315.0	0.50	6.0	4.0	0.0	0.12	0.71	0.07	0.14	2d8/20 L=500	2,8,36
		630.0	0.50	6.0	4.0	0.0	0.10	0.49	0.18	0.14	2d8/8 L=50	2,8,36
							M_T= 4	Z=300.0	P=2	P=10		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
11	ok,ok	0.0	0.84	10.1	6.0	0.0	0.11	0.90	0.38	0.31	2d8/8 L=50	2,2,2
	s=2,m=5	315.0	0.84	10.1	4.0	0.0	0.17	0.86	0.11	0.22	2d8/20 L=500	2,6,36
		630.0	0.84	10.1	6.0	0.0	0.11	0.90	0.38	0.31	2d8/8 L=50	2,2,2
							M_T= 5	Z=300.0	P=4	P=12		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
12	ok,ok	0.0	0.67	8.0	6.0	0.0	0.11	0.72	0.32	0.26	2d8/8 L=50	2,2,2
	s=2,m=5	315.0	0.67	8.0	4.0	0.0	0.14	0.90	0.10	0.19	2d8/20 L=500	2,6,36
		630.0	0.67	8.0	6.0	0.0	0.11	0.72	0.32	0.26	2d8/8 L=50	2,2,2
							M_T= 6	Z=300.0	P=3	P=11		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
14	ok,ok	0.0	0.67	8.0	4.0	0.0	0.10	0.95	0.30	0.24	2d8/8 L=50	2,2,2
	s=2,m=5	315.0	0.67	8.0	4.0	0.0	0.14	0.86	0.09	0.17	2d8/20 L=500	2,12,36
		630.0	0.67	8.0	4.0	0.0	0.10	0.95	0.30	0.24	2d8/8 L=50	2,2,2
							M_T= 7	Z=300.0	P=9	P=16		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
19	ok,ok	0.0	0.33	4.0	4.0	4.0	0.10	0.15	0.22	0.28	2d8/8 L=50	15,30,2
	s=2,m=5	285.0	0.33	4.0	4.0	4.0	0.10	0.14	0.20	0.58	2d8/20 L=220	2,30,2
36	ok,ok	0.0	0.33	4.0	4.0	4.0	0.10	0.14	0.19	0.58	2d8/20 L=220	2,30,2
	s=2,m=5	285.0	0.33	4.0	4.0	4.0	0.10	0.26	0.22	0.30	2d8/8 L=50	17,30,2
21	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.24	0.13	0.07	2d8/8 L=50	20,25,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.11	0.10	0.12	2d8/20 L=235	2,25,36
38	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.11	0.10	0.12	2d8/20 L=235	2,34,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.20	0.13	0.07	2d8/8 L=50	17,34,36
24	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.20	0.12	0.08	2d8/8 L=50	15,29,36
	s=2,m=5	245.0	0.33	4.0	4.0	0.0	0.10	0.05	0.10	0.15	2d8/20 L=360	1,29,36
		490.0	0.33	4.0	4.0	0.0	0.10	0.20	0.12	0.08	2d8/8 L=50	17,29,36
27	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.21	0.10	0.07	2d8/8 L=50	15,30,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.13	0.07	0.12	2d8/20 L=235	2,30,36
41	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.13	0.07	0.12	2d8/20 L=235	2,34,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.20	0.10	0.07	2d8/8 L=50	17,34,36
28	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.19	0.21	0.09	2d8/8 L=50	15,24,36
	s=2,m=5	210.0	0.33	4.0	4.0	0.0	0.10	0.04	0.19	0.18	2d8/20 L=290	1,24,36
		420.0	0.33	4.0	4.0	0.0	0.10	0.13	0.21	0.09	2d8/8 L=50	17,24,36
31	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.13	0.21	0.11	2d8/8 L=50	20,22,36
	s=2,m=5	160.0	0.33	4.0	4.0	0.0	0.10	2.70e-03	0.20	0.24	2d8/20 L=190	2,22,36
		320.0	0.33	4.0	4.0	0.0	0.10	0.15	0.21	0.11	2d8/8 L=50	17,22,36
46	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.18	0.18	0.08	2d8/8 L=50	20,32,36
	s=2,m=5	250.0	0.33	4.0	4.0	0.0	0.10	0.13	0.16	0.15	2d8/20 L=370	2,32,36
		500.0	0.33	4.0	4.0	0.0	0.10	0.14	0.18	0.08	2d8/8 L=50	17,32,36
							M_T= 8	Z=300.0	P=1	P=8		
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
20	ok,ok	0.0	0.33	4.0	4.0	4.0	0.10	0.15	0.22	0.28	2d8/8 L=50	8,33,2
	s=2,m=5	285.0	0.33	4.0	4.0	4.0	0.10	0.14	0.20	0.58	2d8/20 L=220	2,33,2
37	ok,ok	0.0	0.33	4.0	4.0	4.0	0.10	0.14	0.19	0.58	2d8/20 L=220	2,33,2
	s=2,m=5	285.0	0.33	4.0	4.0	4.0	0.10	0.26	0.22	0.30	2d8/8 L=50	10,33,2
23	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.24	0.13	0.07	2d8/8 L=50	11,22,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.11	0.10	0.12	2d8/20 L=235	2,22,36
39	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.11	0.10	0.12	2d8/20 L=235	2,29,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.20	0.13	0.07	2d8/8 L=50	10,29,36
22	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.20	0.12	0.08	2d8/8 L=50	8,34,36
	s=2,m=5	245.0	0.33	4.0	4.0	0.0	0.10	0.05	0.10	0.15	2d8/20 L=360	1,34,36
		490.0	0.33	4.0	4.0	0.0	0.10	0.20	0.12	0.08	2d8/8 L=50	10,34,36
26	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.21	0.10	0.07	2d8/8 L=50	8,33,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.13	0.07	0.12	2d8/20 L=235	2,33,36
40	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.13	0.07	0.12	2d8/20 L=235	2,29,36
	s=2,m=5	300.0	0.33	4.0	4.0	0.0	0.10	0.20	0.10	0.07	2d8/8 L=50	10,29,36
25	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.19	0.21	0.09	2d8/8 L=50	8,27,36
	s=2,m=5	210.0	0.33	4.0	4.0	0.0	0.10	0.04	0.19	0.18	2d8/20 L=290	1,27,36
		420.0	0.33	4.0	4.0	0.0	0.10	0.13	0.21	0.09	2d8/8 L=50	10,27,36
32	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.13	0.21	0.11	2d8/8 L=50	11,25,36
	s=2,m=5	160.0	0.33	4.0	4.0	0.0	0.10	2.79e-03	0.20	0.24	2d8/20 L=190	2,25,36



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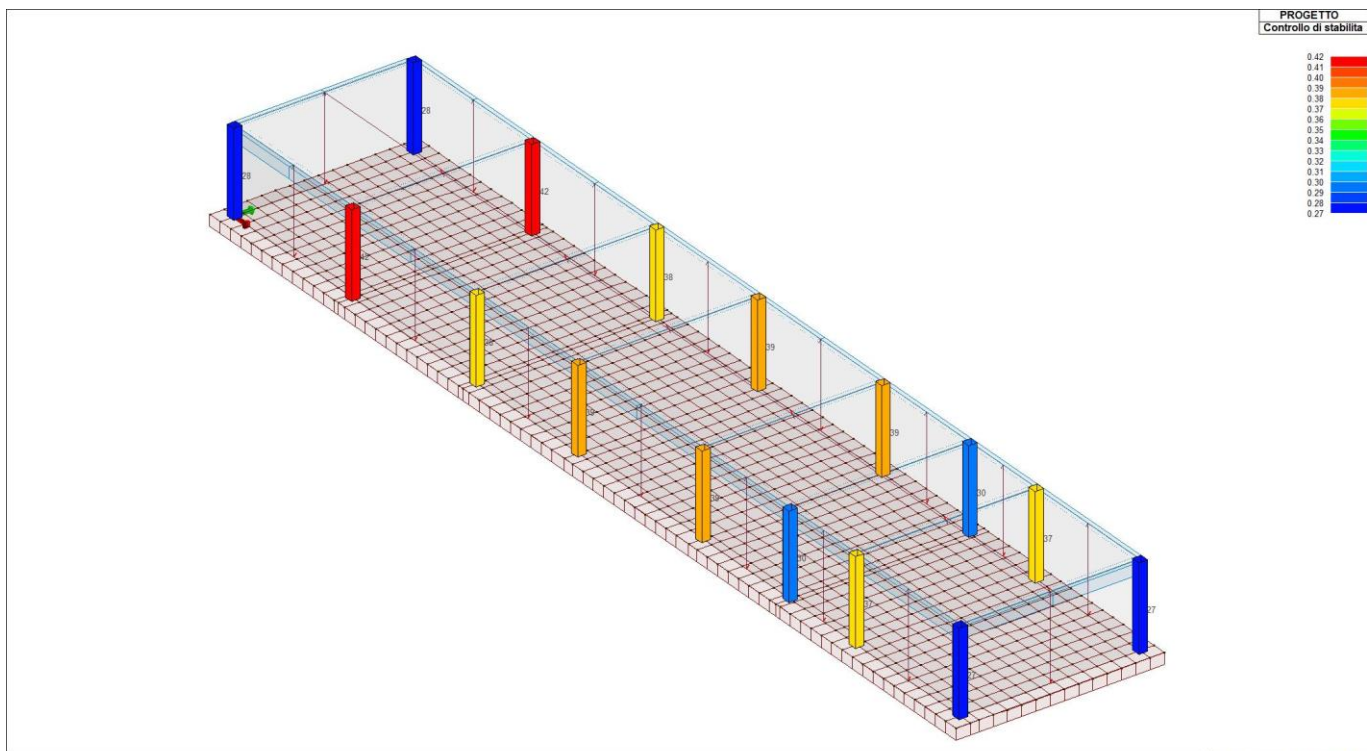
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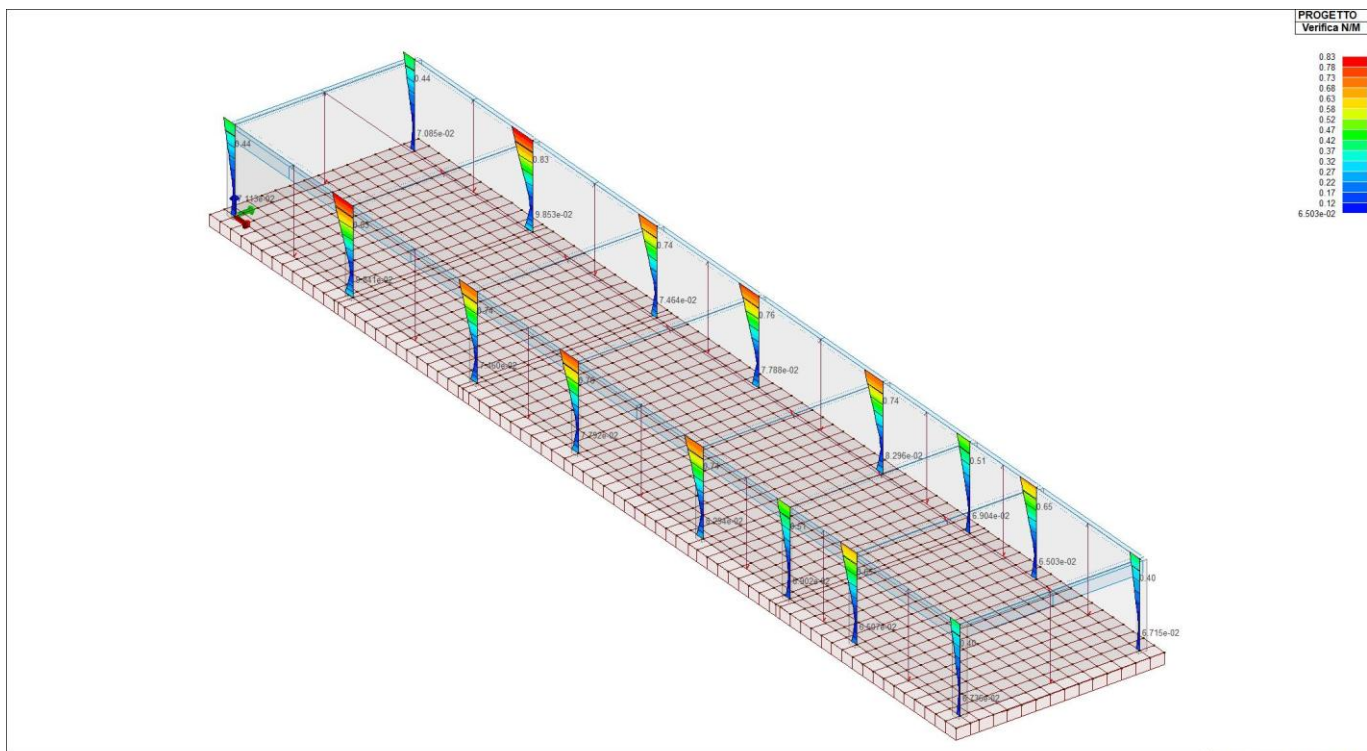
47	ok,ok	320.0	0.33	4.0	4.0	0.0	0.10	0.15	0.21	0.11	2d8/8 L=50 10,25,36
	s=2,m=5	0.0	0.33	4.0	4.0	0.0	0.10	0.18	0.18	0.08	2d8/8 L=50 11,35,36
		250.0	0.33	4.0	4.0	0.0	0.10	0.13	0.16	0.15	2d8/20 L=370 2,35,36
		500.0	0.33	4.0	4.0	0.0	0.10	0.14	0.18	0.08	2d8/8 L=50 10,35,36
M_T= 9 Z=300.0 P=7 P=15											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
33	ok,ok	0.0	0.67	8.0	6.0	0.0	0.11	0.73	0.30	0.24	2d8/8 L=50 2,2,2
	s=2,m=5	315.0	0.67	8.0	4.0	0.0	0.14	0.82	0.12	0.19	2d8/20 L=250 2,15,36
34	ok,ok	0.0	0.67	8.0	4.0	0.0	0.14	0.82	0.12	0.19	2d8/20 L=250 2,5,36
	s=2,m=5	315.0	0.67	8.0	6.0	0.0	0.11	0.73	0.30	0.24	2d8/8 L=50 2,2,2
M_T= 10 Z=300.0 P=8 P=16											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
44	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.43	0.16	0.12	2d8/8 L=50 2,14,36
	s=2,m=5	315.0	0.33	4.0	4.0	0.0	0.10	0.83	0.07	0.11	2d8/20 L=250 2,14,36
45	ok,ok	0.0	0.33	4.0	4.0	0.0	0.10	0.83	0.07	0.11	2d8/20 L=250 2,8,36
	s=2,m=5	315.0	0.33	4.0	4.0	0.0	0.10	0.43	0.16	0.12	2d8/8 L=50 2,8,36
Trave			%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	
			0.84	10.05	6.03	4.02	0.17	0.95	0.38	0.58	

TraveM	negativo iM	positivo iM	negativo fM	positivo fM	Luce per V	V M-i M+f	V M+i M-f	VEd,min	VEd,max	Vr1	As
daN	cm	daN	cm	daN	cm	daN	daN	daN	daN	daN	cm2
3	5.505e+05	5.505e+05	5.505e+05	5.505e+05	599.98	1834.96	1834.96	0.0	0.0	0.0	0.0
4	8.094e+05	1.067e+06	8.094e+05	1.067e+06	599.98	3127.63	3127.63	0.0	0.0	0.0	0.0
10	5.505e+05	8.095e+05	5.505e+05	8.095e+05	599.98	2266.70	2266.70	0.0	0.0	0.0	0.0
11	8.094e+05	1.323e+06	8.094e+05	1.323e+06	599.98	3554.22	3554.22	0.0	0.0	0.0	0.0
12	8.094e+05	1.067e+06	8.094e+05	1.067e+06	599.98	3127.63	3127.63	0.0	0.0	0.0	0.0
14	5.506e+05	1.066e+06	5.506e+05	1.066e+06	599.98	2695.12	2695.12	0.0	0.0	0.0	0.0
19	5.505e+05	5.505e+05	5.505e+05	5.505e+05	540.00	2038.79	2038.79	0.0	0.0	0.0	0.0
20	5.505e+05	5.505e+05	5.505e+05	5.505e+05	540.00	2038.79	2038.79	0.0	0.0	0.0	0.0
21	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
22	5.505e+05	5.505e+05	5.505e+05	5.505e+05	460.00	2393.36	2393.36	0.0	0.0	0.0	0.0
23	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
24	5.505e+05	5.505e+05	5.505e+05	5.505e+05	460.00	2393.36	2393.36	0.0	0.0	0.0	0.0
25	5.505e+05	5.505e+05	5.505e+05	5.505e+05	390.00	2822.94	2822.94	0.0	0.0	0.0	0.0
26	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
27	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
28	5.505e+05	5.505e+05	5.505e+05	5.505e+05	390.00	2822.94	2822.94	0.0	0.0	0.0	0.0
31	5.505e+05	5.505e+05	5.505e+05	5.505e+05	290.00	3796.36	3796.36	0.0	0.0	0.0	0.0
32	5.505e+05	5.505e+05	5.505e+05	5.505e+05	290.00	3796.36	3796.36	0.0	0.0	0.0	0.0
33	8.094e+05	1.067e+06	5.506e+05	1.066e+06	599.98	3127.63	3127.63	0.0	0.0	0.0	0.0
34	5.506e+05	1.066e+06	8.094e+05	1.067e+06	599.98	3127.63	3127.63	0.0	0.0	0.0	0.0
35	5.505e+05	5.505e+05	5.505e+05	5.505e+05	599.98	1834.96	1834.96	0.0	0.0	0.0	0.0
36	5.505e+05	5.505e+05	5.505e+05	5.505e+05	540.00	2038.79	2038.79	0.0	0.0	0.0	0.0
37	5.505e+05	5.505e+05	5.505e+05	5.505e+05	540.00	2038.79	2038.79	0.0	0.0	0.0	0.0
38	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
39	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
40	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
41	5.505e+05	5.505e+05	5.505e+05	5.505e+05	570.00	1931.48	1931.48	0.0	0.0	0.0	0.0
44	5.505e+05	5.505e+05	5.505e+05	5.505e+05	599.98	1834.96	1834.96	0.0	0.0	0.0	0.0
45	5.505e+05	5.505e+05	5.505e+05	5.505e+05	599.98	1834.96	1834.96	0.0	0.0	0.0	0.0
46	5.505e+05	5.505e+05	5.505e+05	5.505e+05	470.00	2342.44	2342.44	0.0	0.0	0.0	0.0
47	5.505e+05	5.505e+05	5.505e+05	5.505e+05	470.00	2342.44	2342.44	0.0	0.0	0.0	0.0
TraveM	negativo iM	positivo iM	negativo fM	positivo fM		V M-i M+f	V M+i M-f	VEd,min	VEd,max	Vr1	As
	8.094e+05	1.323e+06	8.094e+05	1.323e+06		3796.36	3796.36	0.0	0.0	0.0	0.0



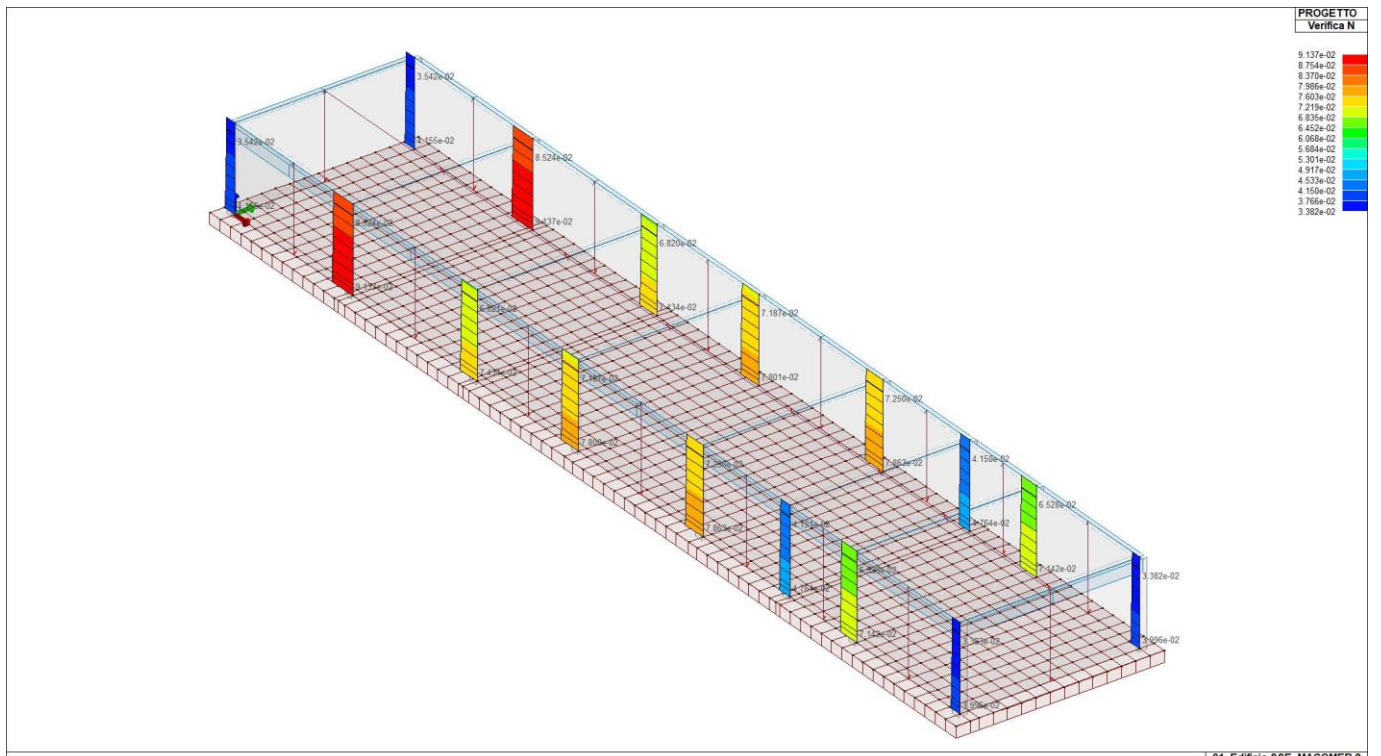
01_Edificio SSE_MACOMER 2

71_PRO_CA_PIL_STAB

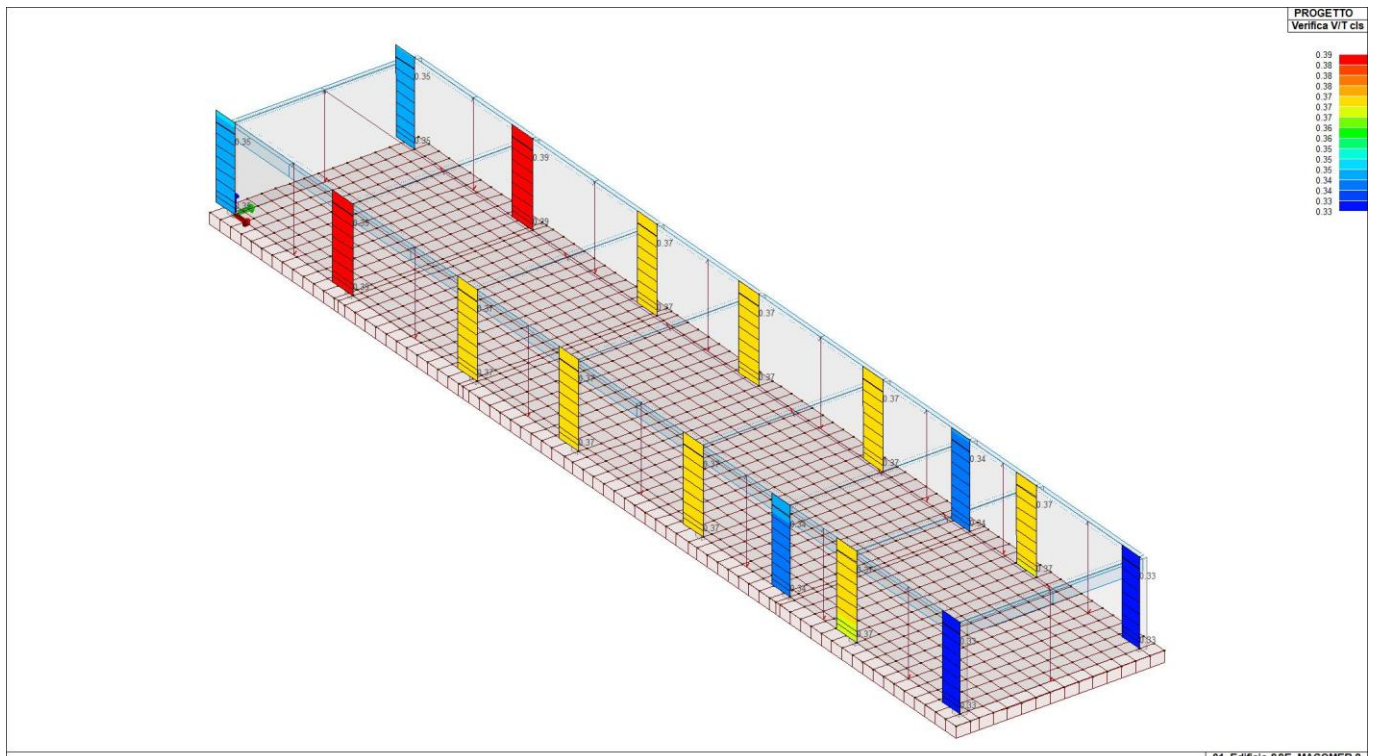


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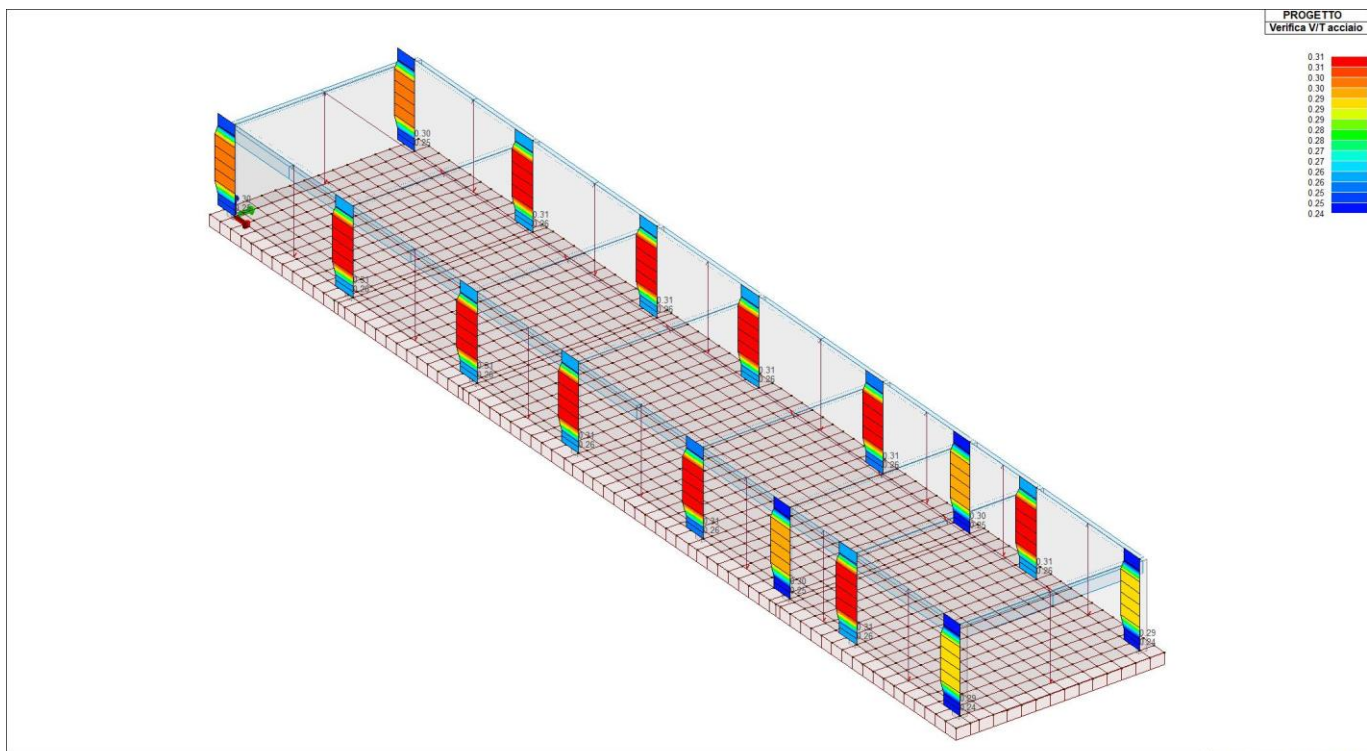
71_PRO_CA_PIL_VER_NM



71_PRO_CA_PIL_VER_NSIS

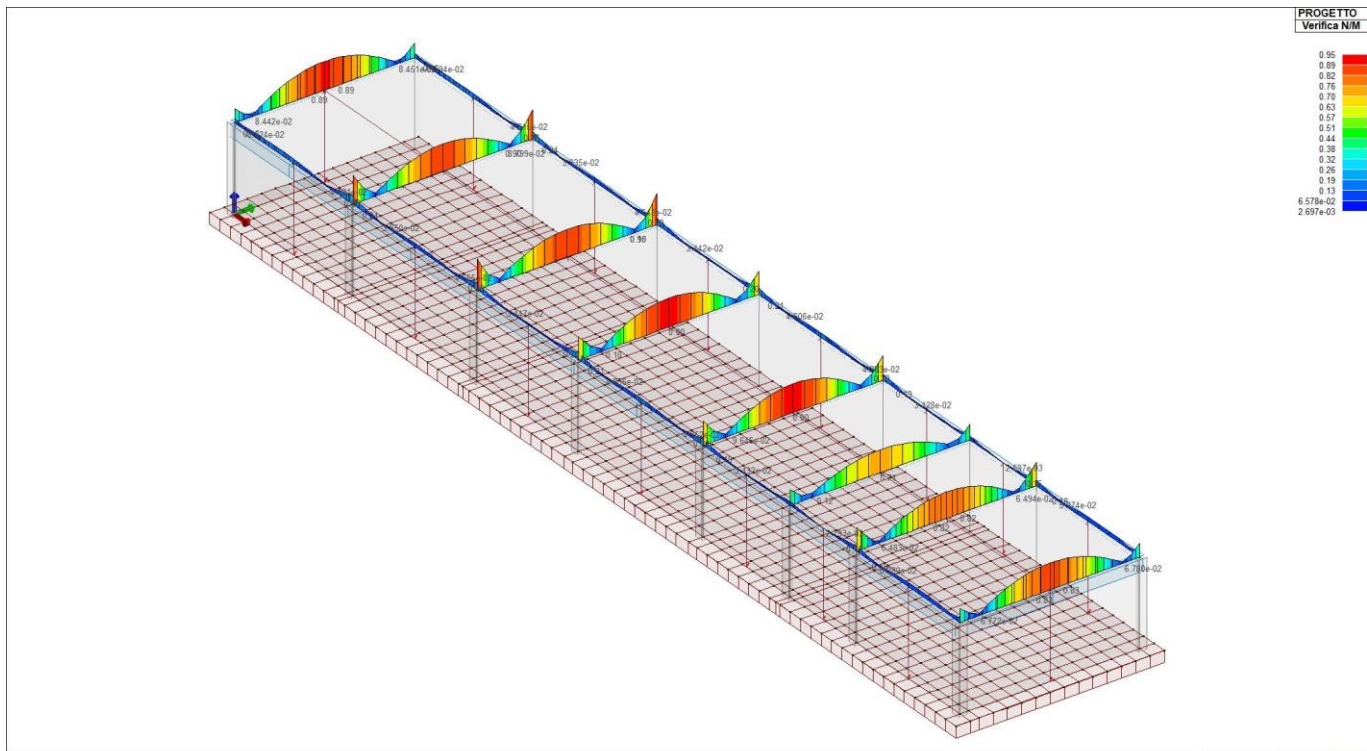


71_PRO_CA_PIL_VER_VRCD



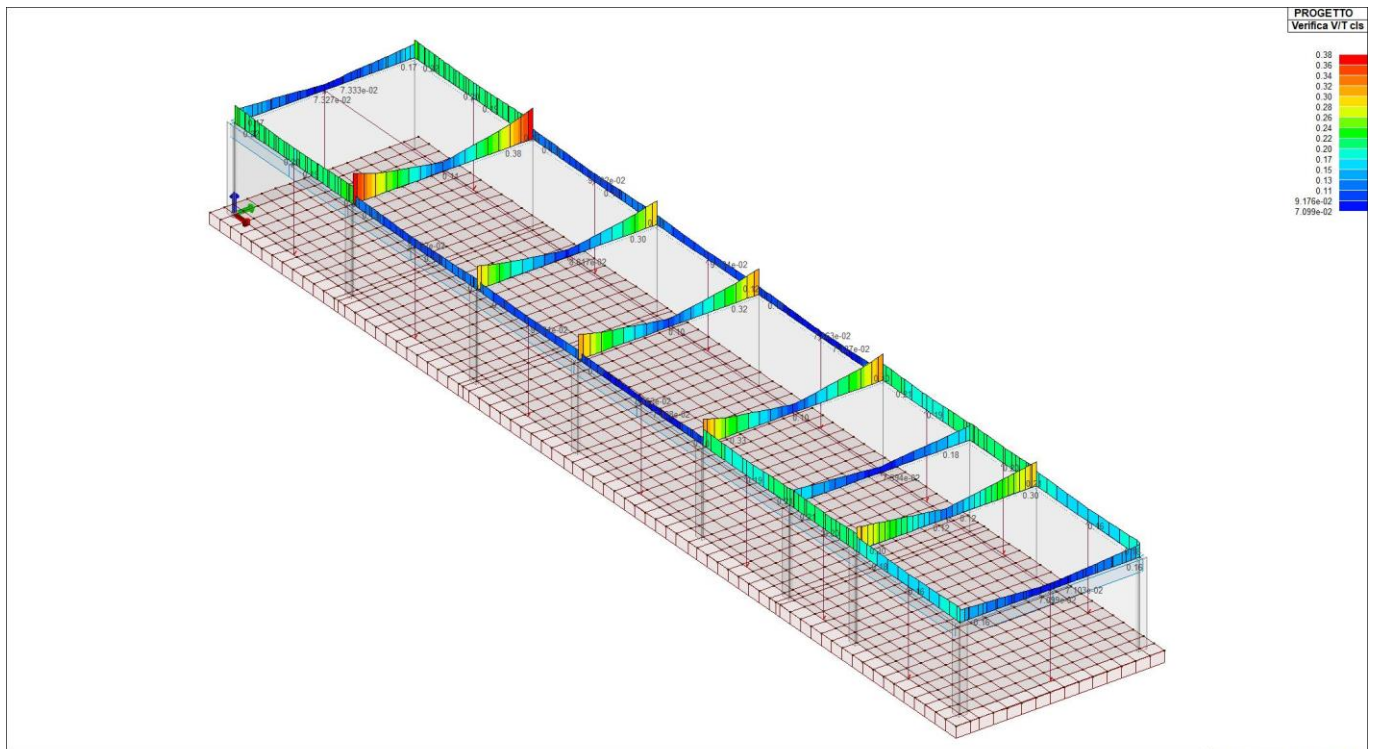
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71_PRO_CA_PIL_VER_VRSD

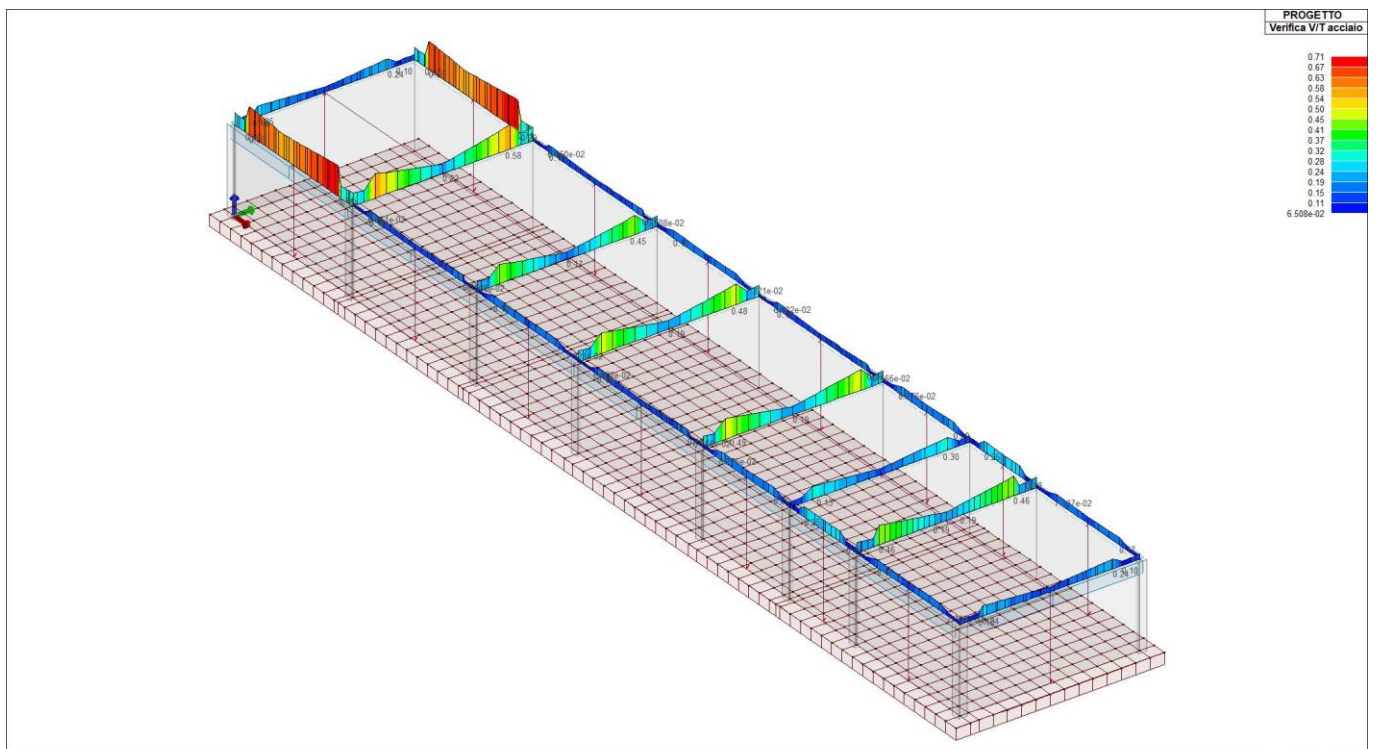


01_Edificio SSE_MACOMER 2

71_PRO_CA_TRV_VER_NM



71_PRO_CA_TRV_VER_VRC D



71_PRO_CA_TRV_VER_VRSD



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

18.1. LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata*.

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok** e **NV**, il rapporto x/d , la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento*, riportando in tabella il rapporto x/d , la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattore 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)
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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



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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 My 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



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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 attinge il massimo valore
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)



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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 armature in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armature in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

18.2. PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

“Sia per CD“A” sia per CD“B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- [...];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD“A” e 1,10 in CD“B”;

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando 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 Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	40.00	5	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
1	ok	0.07	0.2	1.00e-02	12.7	12.7	12.7	12.7	28.9	51.1	-24.7	-1402.2	-1674.6	1190.9
3	ok	0.07	0.2	1.04e-02	12.7	12.7	12.7	12.7	19.6	54.8	18.1	-1532.6	-1617.5	-1183.1
9	ok	0.07	0.2	2.07e-02	12.7	12.7	12.7	12.7	-11.1	92.3	-49.4	-2542.3	-2722.4	663.9
11	ok	0.07	0.4	2.90e-02	12.7	12.7	12.7	12.7	-15.7	161.9	-72.0	-5587.5	-4817.4	1622.6
12	ok	0.07	0.3	2.22e-02	12.7	12.7	12.7	12.7	10.4	108.8	-69.7	-5193.1	-3988.9	692.4
13	ok	0.07	0.4	2.19e-02	12.7	12.7	12.7	12.7	14.2	115.0	59.2	-5109.7	-3958.5	-1027.6
15	ok	0.07	0.3	2.03e-02	12.7	12.7	12.7	12.7	11.7	105.8	60.5	-5224.8	-4001.4	-714.9
17	ok	0.07	0.2	1.55e-02	12.7	12.7	12.7	12.7	-9.1	86.3	41.7	-2562.8	-2734.0	-612.5
21	ok	0.07	0.5	3.83e-02	12.7	12.7	12.7	12.7	-14.5	172.1	88.2	-5502.9	-4773.6	-1677.9
22	ok	0.07	0.6	4.55e-02	12.7	12.7	12.7	12.7	-20.5	202.6	102.9	-7363.3	-5889.0	-1834.7
23	ok	0.07	0.4	2.37e-02	12.7	12.7	12.7	12.7	15.0	117.0	-69.9	-5034.6	-3951.0	995.3
24	ok	0.07	9.90e-02	8.24e-05	12.7	12.7	12.7	12.7	2.0	4.8	1.1	58.4	1754.2	140.1
25	ok	0.07	0.3	1.86e-02	12.7	12.7	12.7	12.7	20.9	92.2	-45.8	-4155.4	-3259.0	922.1
27	ok	0.07	0.3	1.76e-02	12.7	12.7	12.7	12.7	19.4	89.8	38.1	-4223.4	-3257.3	-944.3
29	ok	0.07	0.1	1.15e-02	12.7	12.7	12.7	12.7	11.2	25.1	12.6	507.8	729.9	1079.1
30	ok	0.07	9.12e-02	3.56e-03	12.7	12.7	12.7	12.7	-6.5	28.0	3.1	359.1	914.9	930.9
31	ok	0.07	9.68e-02	4.94e-03	12.7	12.7	12.7	12.7	-11.2	-9.8	-15.8	-1020.7	848.5	323.7
32	ok	0.07	0.1	1.17e-03	12.7	12.7	12.7	12.7	1.3	8.4	10.3	438.7	1207.2	865.3
33	ok	0.07	0.1	9.42e-04	12.7	12.7	12.7	12.7	26.8	12.5	6.9	387.5	1361.8	786.1
34	ok	0.07	9.77e-02	2.10e-05	12.7	12.7	12.7	12.7	1.7	7.2	3.4	502.9	1493.0	551.7
35	ok	0.07	0.1	1.80e-04	12.7	12.7	12.7	12.7	2.1	9.1	1.5	205.2	1629.8	646.2
36	ok	0.07	9.86e-02	5.37e-05	12.7	12.7	12.7	12.7	0.5	6.2	1.7	480.8	1644.9	384.4
37	ok	0.07	0.1	5.36e-05	12.7	12.7	12.7	12.7	0.2	7.0	0.7	194.0	1791.7	468.7
38	ok	0.07	9.83e-02	4.49e-05	12.7	12.7	12.7	12.7	0.3	5.4	0.9	452.7	1714.2	235.1
39	ok	0.07	0.1	3.87e-05	12.7	12.7	12.7	12.7	3.47e-02	6.1	0.4	188.0	1856.1	292.7
40	ok	0.07	9.77e-02	3.14e-05	12.7	12.7	12.7	12.7	0.4	5.1	0.4	434.0	1739.4	94.6
41	ok	0.07	0.1	3.65e-05	12.7	12.7	12.7	12.7	6.15e-02	5.7	0.2	182.5	1878.2	118.4
42	ok	0.07	9.75e-02	2.37e-05	12.7	12.7	12.7	12.7	0.4	5.0	-0.1	431.3	1742.2	-42.3
43	ok	0.07	0.1	3.50e-05	12.7	12.7	12.7	12.7	5.77e-02	5.6	-3.16e-02	181.8	1880.7	-54.6
44	ok	0.07	9.80e-02	3.72e-05	12.7	12.7	12.7	12.7	0.3	5.3	-0.7	446.1	1726.5	-180.8
45	ok	0.07	0.1	3.76e-05	12.7	12.7	12.7	12.7	2.86e-02	5.9	-0.3	187.0	1867.4	-227.6
46	ok	0.07	9.86e-02	4.50e-05	12.7	12.7	12.7	12.7	0.5	6.0	-1.4	475.0	1677.4	-326.2
47	ok	0.07	0.1	5.32e-05	12.7	12.7	12.7	12.7	0.2	6.6	-0.5	196.4	1824.1	-403.7
48	ok	0.07	9.85e-02	2.41e-05	12.7	12.7	12.7	12.7	1.5	7.2	-3.2	507.9	1564.7	-486.7
49	ok	0.07	0.1	1.91e-04	12.7	12.7	12.7	12.7	2.0	8.5	-1.2	221.5	1707.2	-587.4
50	ok	0.07	0.1	9.12e-04	12.7	12.7	12.7	12.7	4.16e-02	9.5	-9.7	476.3	1350.2	-751.5
51	ok	0.07	0.1	7.33e-04	12.7	12.7	12.7	12.7	24.0	13.1	-7.3	437.5	1538.2	-751.0
52	ok	0.07	8.99e-02	3.21e-03	12.7	12.7	12.7	12.7	17.5	14.2	23.8	625.7	1102.6	-558.6
53	ok	0.07	9.94e-02	4.24e-03	12.7	12.7	12.7	12.7	-10.8	-1.8	21.4	-632.4	1064.9	-624.8
54	ok	0.07	0.1	1.22e-02	12.7	12.7	12.7	12.7	6.3	40.7	-11.7	520.7	797.3	-1078.8
55	ok	0.07	8.99e-02	2.82e-03	12.7	12.7	12.7	12.7	-9.1	19.1	-4.2	1090.9	580.8	663.6
56	ok	0.07	9.31e-02	1.10e-03	12.7	12.7	12.7	12.7	5.9	13.1	-1.5	1134.2	832.3	660.4
57	ok	0.07	9.18e-02	3.25e-04	12.7	12.7	12.7	12.7	1.2	7.7	4.1	892.9	1117.9	619.5
58	ok	0.07	9.08e-02	4.97e-05	12.7	12.7	12.7	12.7	1.8	4.8	3.0	796.9	1365.3	459.5
59	ok	0.07	9.13e-02	5.46e-05	12.7	12.7	12.7	12.7	1.2	4.3	2.0	712.6	1518.5	321.6
60	ok	0.07	9.13e-02	3.13e-05	12.7	12.7	12.7	12.7	0.9	4.1	1.2	650.9	1594.1	195.3
61	ok	0.07	9.11e-02	5.69e-06	12.7	12.7	12.7	12.7	0.9	4.0	0.5	615.8	1624.2	78.4
62	ok	0.07	9.10e-02	0.0	12.7	12.7	12.7	12.7	0.9	4.0	-0.2	610.4	1628.0	-34.3
63	ok	0.07	9.12e-02	1.81e-05	12.7	12.7	12.7	12.7	0.9	4.1	-0.9	635.3	1609.0	-148.4
64	ok	0.07	9.13e-02	3.67e-05	12.7	12.7	12.7	12.7	1.2	4.3	-1.8	688.4	1554.4	-269.6
65	ok	0.07	9.10e-02	2.46e-05	12.7	12.7	12.7	12.7	1.8	4.7	-2.6	764.1	1438.4	-400.5
66	ok	0.07	9.10e-02	1.77e-04	12.7	12.7	12.7	12.7	2.1	5.7	-2.4	844.6	1230.5	-553.7
67	ok	0.07	9.75e-02	5.12e-04	12.7	12.7	12.7	12.7	4.3	17.5	-5.0	1049.3	1003.6	-697.9
68	ok	0.07	8.98e-02	3.33e-03	12.7	12.7	12.7	12.7	-5.9	24.6	5.4	1119.7	649.6	-650.4



69	ok	0.07	9.88e-02	6.75e-04	12.7	12.7	12.7	12.7	-3.5	2.1	-0.5	1555.3	341.8	556.6
70	ok	0.07	9.14e-02	3.29e-04	12.7	12.7	12.7	12.7	-1.5	3.1	0.3	1402.6	662.5	483.0
71	ok	0.07	8.49e-02	8.74e-05	12.7	12.7	12.7	12.7	1.4	1.2	1.5	1187.5	1001.9	417.0
72	ok	0.07	8.28e-02	6.76e-05	12.7	12.7	12.7	12.7	1.9	1.8	2.0	1014.6	1262.5	320.6
73	ok	0.07	8.37e-02	5.06e-05	12.7	12.7	12.7	12.7	1.7	2.4	1.7	881.9	1416.7	224.4
74	ok	0.07	8.50e-02	1.02e-05	12.7	12.7	12.7	12.7	1.6	2.6	1.1	789.6	1497.9	135.7
75	ok	0.07	8.58e-02	0.0	12.7	12.7	12.7	12.7	1.5	2.7	0.4	738.8	1532.8	54.4
76	ok	0.07	8.59e-02	0.0	12.7	12.7	12.7	12.7	1.5	2.7	-0.2	730.6	1537.6	-23.3
77	ok	0.07	8.53e-02	0.0	12.7	12.7	12.7	12.7	1.6	2.7	-0.9	765.0	1515.3	-102.4
78	ok	0.07	8.42e-02	2.79e-05	12.7	12.7	12.7	12.7	1.7	2.5	-1.5	841.0	1455.0	-187.6
79	ok	0.07	8.29e-02	3.92e-05	12.7	12.7	12.7	12.7	2.0	2.1	-1.9	956.9	1333.4	-281.9
80	ok	0.07	8.38e-02	4.94e-05	12.7	12.7	12.7	12.7	1.8	1.9	-1.9	1114.8	1118.0	-383.1
81	ok	0.07	8.84e-02	2.29e-04	12.7	12.7	12.7	12.7	-0.3	3.3	-1.0	1310.3	797.3	-465.5
82	ok	0.07	9.86e-02	5.87e-04	12.7	12.7	12.7	12.7	-3.4	2.9	0.5	1551.9	347.3	-557.0
83	ok	0.07	0.1	6.62e-04	12.7	12.7	12.7	12.7	-4.3	-0.2	-0.3	1751.8	324.4	261.5
84	ok	0.07	9.06e-02	3.75e-04	12.7	12.7	12.7	12.7	-2.2	0.1	3.57e-02	1579.9	626.8	215.9
85	ok	0.07	7.89e-02	1.13e-04	12.7	12.7	12.7	12.7	0.3	3.25e-04	0.6	1340.9	958.9	186.5
86	ok	0.07	7.34e-02	7.89e-05	12.7	12.7	12.7	12.7	1.6	0.5	1.0	1134.5	1200.5	144.6
87	ok	0.07	7.68e-02	4.40e-05	12.7	12.7	12.7	12.7	2.0	1.0	1.0	972.6	1353.0	99.7
88	ok	0.07	8.05e-02	2.84e-06	12.7	12.7	12.7	12.7	2.0	1.5	0.7	860.0	1438.2	59.1
89	ok	0.07	8.24e-02	0.0	12.7	12.7	12.7	12.7	2.0	1.7	0.3	798.5	1476.9	23.5
90	ok	0.07	8.27e-02	0.0	12.7	12.7	12.7	12.7	2.0	1.7	-0.2	788.3	1482.5	-9.7
91	ok	0.07	8.14e-02	0.0	12.7	12.7	12.7	12.7	2.1	1.6	-0.6	829.4	1457.4	-44.0
92	ok	0.07	7.84e-02	2.57e-05	12.7	12.7	12.7	12.7	2.0	1.3	-1.0	921.6	1392.1	-82.7
93	ok	0.07	7.41e-02	5.60e-05	12.7	12.7	12.7	12.7	1.8	0.8	-1.1	1063.9	1268.2	-127.0
94	ok	0.07	7.55e-02	9.16e-05	12.7	12.7	12.7	12.7	0.9	0.4	-0.8	1253.4	1063.2	-172.3
95	ok	0.07	8.56e-02	2.69e-04	12.7	12.7	12.7	12.7	-1.0	0.2	-0.2	1480.8	761.3	-207.4
96	ok	0.07	0.1	6.47e-04	12.7	12.7	12.7	12.7	-4.3	-0.2	0.4	1751.1	323.8	-261.0
97	ok	0.07	1.00e-01	6.68e-04	12.7	12.7	12.7	12.7	-4.4	-0.1	-0.2	1791.0	329.2	-79.6
98	ok	0.07	9.00e-02	3.96e-04	12.7	12.7	12.7	12.7	-2.6	-0.4	-0.3	1611.2	619.5	-63.6
99	ok	0.07	7.64e-02	1.40e-04	12.7	12.7	12.7	12.7	-0.2	-0.5	-2.97e-02	1363.5	945.4	-57.5
100	ok	0.07	6.78e-02	7.42e-05	12.7	12.7	12.7	12.7	1.3	-6.73e-03	0.2	1148.5	1180.3	-51.4
101	ok	0.07	7.46e-02	3.91e-05	12.7	12.7	12.7	12.7	2.0	0.5	0.3	976.2	1334.1	-42.3
102	ok	0.07	7.94e-02	6.10e-06	12.7	12.7	12.7	12.7	2.3	0.9	0.2	856.2	1423.3	-28.7
103	ok	0.07	8.17e-02	0.0	12.7	12.7	12.7	12.7	2.3	1.1	9.18e-02	790.8	1465.0	-12.1
104	ok	0.07	8.20e-02	0.0	12.7	12.7	12.7	12.7	2.3	1.2	-9.82e-02	780.3	1471.1	5.4
105	ok	0.07	8.05e-02	1.04e-06	12.7	12.7	12.7	12.7	2.3	1.0	-0.3	823.4	1443.7	22.8
106	ok	0.07	7.67e-02	2.61e-05	12.7	12.7	12.7	12.7	2.1	0.7	-0.4	921.6	1374.3	37.6
107	ok	0.07	7.01e-02	5.61e-05	12.7	12.7	12.7	12.7	1.6	0.3	-0.3	1073.5	1247.2	48.1
108	ok	0.07	7.16e-02	1.03e-04	12.7	12.7	12.7	12.7	0.5	-0.1	-6.19e-02	1273.7	1045.1	54.2
109	ok	0.07	8.43e-02	2.63e-04	12.7	12.7	12.7	12.7	-1.5	-0.3	0.2	1509.9	752.9	58.9
110	ok	0.07	9.99e-02	6.58e-04	12.7	12.7	12.7	12.7	-4.3	-9.09e-02	0.3	1790.5	328.2	77.4
111	ok	0.07	0.1	6.52e-04	12.7	12.7	12.7	12.7	-4.3	-0.1	-0.2	1682.4	327.3	-412.6
112	ok	0.07	9.03e-02	3.97e-04	12.7	12.7	12.7	12.7	-2.6	-0.2	-0.3	1506.9	621.2	-336.6
113	ok	0.07	8.04e-02	1.88e-04	12.7	12.7	12.7	12.7	-0.3	-0.2	-0.4	1264.5	953.3	-297.8
114	ok	0.07	7.71e-02	1.24e-04	12.7	12.7	12.7	12.7	1.2	7.87e-02	-0.3	1053.3	1199.7	-246.7
115	ok	0.07	7.94e-02	4.62e-05	12.7	12.7	12.7	12.7	2.0	0.5	-0.3	888.4	1363.0	-183.3
116	ok	0.07	8.22e-02	1.33e-05	12.7	12.7	12.7	12.7	2.3	0.9	-0.2	776.2	1457.4	-115.1
117	ok	0.07	8.38e-02	0.0	12.7	12.7	12.7	12.7	2.4	1.2	-0.1	716.1	1501.1	-46.9
118	ok	0.07	8.40e-02	0.0	12.7	12.7	12.7	12.7	2.4	1.2	-1.28e-02	707.2	1506.8	20.2
119	ok	0.07	8.30e-02	0.0	12.7	12.7	12.7	12.7	2.3	1.1	4.95e-02	745.7	1478.7	88.2
120	ok	0.07	8.05e-02	2.54e-05	12.7	12.7	12.7	12.7	2.1	0.7	0.1	836.7	1405.3	156.6
121	ok	0.07	7.75e-02	9.46e-05	12.7	12.7	12.7	12.7	1.5	0.3	0.3	981.0	1270.2	222.4
122	ok	0.07	7.80e-02	1.60e-04	12.7	12.7	12.7	12.7	0.3	9.55e-03	0.4	1175.2	1057.2	278.9
123	ok	0.07	8.58e-02	2.60e-04	12.7	12.7	12.7	12.7	-1.6	-0.2	0.5	1407.3	755.8	322.6
124	ok	0.07	0.1	6.32e-04	12.7	12.7	12.7	12.7	-4.2	-7.61e-02	0.3	1682.5	326.6	409.4
125	ok	0.07	9.92e-02	6.07e-04	12.7	12.7	12.7	12.7	-3.9	8.81e-03	-0.3	1409.8	317.9	-737.5
126	ok	0.07	9.00e-02	3.69e-04	12.7	12.7	12.7	12.7	-2.3	0.2	-0.6	1249.5	623.7	-603.9
127	ok	0.07	8.56e-02	1.99e-04	12.7	12.7	12.7	12.7	-0.1	0.2	-0.7	1024.5	984.9	-531.7
128	ok	0.07	8.53e-02	1.45e-04	12.7	12.7	12.7	12.7	1.3	0.7	-0.9	841.4	1260.3	-430.5
129	ok	0.07	8.66e-02	5.32e-05	12.7	12.7	12.7	12.7	2.0	1.1	-0.9	708.3	1440.3	-309.8
130	ok	0.07	8.79e-02	1.71e-05	12.7	12.7	12.7	12.7	2.2	1.6	-0.7	624.4	1538.7	-189.5
131	ok	0.07	8.85e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.9	-0.3	581.6	1581.7	-76.2
132	ok	0.07	8.86e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.9	8.23e-02	576.5	1586.3	32.4
133	ok	0.07	8.82e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.7	0.4	602.0	1560.0	143.8
134	ok	0.07	8.71e-02	3.12e-05	12.7	12.7	12.7	12.7	2.0	1.3	0.7	668.4	1485.1	261.8
135	ok	0.07	8.56e-02	1.20e-04	12.7	12.7	12.7	12.7	1.5	0.9	0.8	781.4	1338.6	383.9
136	ok	0.07	8.49e-02	1.78e-04	12.7	12.7	12.7	12.7	0.3	0.6	0.9	946.8	1098.8	495.4
137	ok	0.07	8.76e-02	2.73e-04	12.7	12.7	12.7	12.7	-1.4	0.4	0.9	1157.2	764.2	580.5
138	ok	0.07	9.91e-02	5.81e-04	12.7	12.7	12.7	12.7	-3.7	5.57e-02	0.5	1410.8	317.8	733.4
139	ok	0.07	9.36e-02	6.10e-04	12.7	12.7	12.7	12.7	-2.8	1.4	-0.8	926.4	297.8	-1020.8
140	ok	0.07	8.71e-02	3.64e-04	12.7	12.7	12.7	12.7	-2.0	2.1	-1.1	791.6	624.0	-851.7
141	ok	0.07	8.93e-02	1.94e-04	12.7	12.7	12.7	12.7	8.87e-02	1.5	-1.3	618.8	1033.7	-745.9
142	ok	0.07	9.25e-02	1.49e-04	12.7	12.7	12.7	12.7	1.6	1.8	-1.6	501.1	1369.2	-577.5
143	ok	0.07	9.44e-02	3.84e-05	12.7	12.7	12.7	12.7	1.9	2.4	-1.6	442.1	1565.4	-396.6
144	ok	0.07	9.51e-02	9.26e-06	12.7	12.7	12.7	12.7	1.8	2.9	-1.2	415.9	1659.2	-234.9



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145	ok	0.07	9.50e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.1	-0.5	405.4	1694.7	-93.4
146	ok	0.07	9.50e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.2	0.2	406.0	1698.0	39.0
147	ok	0.07	9.50e-02	0.0	12.7	12.7	12.7	12.7	1.8	3.0	0.8	408.9	1677.9	176.3
148	ok	0.07	9.47e-02	1.83e-05	12.7	12.7	12.7	12.7	1.8	2.6	1.3	426.9	1610.0	330.2
149	ok	0.07	9.33e-02	1.24e-04	12.7	12.7	12.7	12.7	1.5	2.1	1.4	470.4	1457.5	506.3
150	ok	0.07	9.04e-02	1.76e-04	12.7	12.7	12.7	12.7	0.4	2.0	1.5	564.3	1176.1	685.1
151	ok	0.07	8.74e-02	3.08e-04	12.7	12.7	12.7	12.7	-1.3	2.0	1.6	718.1	773.6	819.7
152	ok	0.07	9.35e-02	5.43e-04	12.7	12.7	12.7	12.7	-2.8	1.4	1.2	926.5	297.7	1019.4
153	ok	0.07	7.77e-02	1.85e-03	12.7	12.7	12.7	12.7	-0.9	6.2	-1.3	105.0	256.2	-1207.4
154	ok	0.07	8.09e-02	5.68e-04	12.7	12.7	12.7	12.7	-2.5	12.2	0.3	53.1	667.4	-1039.3
155	ok	0.07	9.09e-02	1.96e-04	12.7	12.7	12.7	12.7	0.9	2.7	-1.9	-9.6	1145.2	-887.0
156	ok	0.07	9.91e-02	1.33e-04	12.7	12.7	12.7	12.7	2.0	3.8	-2.4	50.6	1539.1	-623.2
157	ok	0.07		0.1 1.38e-04	12.7	12.7	12.7	12.7	1.6	4.6	-2.3	129.8	1723.5	-401.4
158	ok	0.07		0.1 7.18e-05	12.7	12.7	12.7	12.7	1.2	4.9	-1.5	189.5	1795.8	-229.8
159	ok	0.07		0.1 1.13e-05	12.7	12.7	12.7	12.7	1.0	4.9	-0.7	221.2	1818.3	-89.7
160	ok	0.07		0.1 0.0	12.7	12.7	12.7	12.7	0.9	4.9	0.3	226.1	1820.7	37.3
161	ok	0.07		0.1 4.34e-05	12.7	12.7	12.7	12.7	1.1	4.8	1.1	204.2	1808.3	170.3
162	ok	0.07		0.1 1.07e-04	12.7	12.7	12.7	12.7	1.5	4.5	1.9	153.8	1760.9	327.9
163	ok	0.07		0.1 1.11e-04	12.7	12.7	12.7	12.7	1.7	3.9	2.0	77.1	1628.3	530.9
164	ok	0.07	9.48e-02	1.86e-04	12.7	12.7	12.7	12.7	0.4	4.6	2.4	1.1	1311.2	804.8
165	ok	0.07	8.42e-02	4.95e-04	12.7	12.7	12.7	12.7	-1.7	9.3	2.3	18.1	809.3	1012.9
166	ok	0.07	7.82e-02	1.20e-03	12.7	12.7	12.7	12.7	-1.5	7.0	1.6	99.5	272.9	1209.9
167	ok	0.07		0.1 9.37e-03	12.7	12.7	12.7	12.7	-26.6	-52.7	-18.4	-1557.4	-921.4	-1002.7
168	ok	0.07		0.1 2.69e-03	12.7	12.7	12.7	12.7	-8.2	9.1	-1.1	-1177.0	488.3	-1138.9
169	ok	0.07	9.60e-02	1.40e-03	12.7	12.7	12.7	12.7	-9.1	13.4	2.0	-1036.6	1465.3	-815.5
170	ok	0.07		0.1 2.62e-04	12.7	12.7	12.7	12.7	0.6	9.7	-4.6	-459.9	1769.4	-483.4
171	ok	0.07		0.1 1.46e-04	12.7	12.7	12.7	12.7	0.5	8.2	-2.9	-174.1	1888.0	-299.4
172	ok	0.07		0.1 9.67e-05	12.7	12.7	12.7	12.7	0.2	7.1	-1.5	-16.0	1921.1	-169.7
173	ok	0.07		0.1 4.54e-05	12.7	12.7	12.7	12.7	7.87e-02	6.7	-0.6	64.7	1926.1	-65.0
174	ok	0.07		0.1 2.78e-05	12.7	12.7	12.7	12.7	7.72e-02	6.7	0.3	76.6	1925.7	26.5
175	ok	0.07		0.1 7.43e-05	12.7	12.7	12.7	12.7	0.2	6.9	1.1	27.9	1924.9	122.8
176	ok	0.07		0.1 1.25e-04	12.7	12.7	12.7	12.7	0.4	7.7	2.4	-100.4	1909.5	238.8
177	ok	0.07		0.1 2.25e-04	12.7	12.7	12.7	12.7	0.6	8.6	3.8	-339.2	1836.0	393.3
178	ok	0.07	9.84e-02	6.36e-04	12.7	12.7	12.7	12.7	-3.4	8.4	-2.3	-843.5	1606.8	623.8
179	ok	0.07	9.13e-02	4.00e-03	12.7	12.7	12.7	12.7	-23.8	6.7	9.5	-757.8	1522.9	386.5
180	ok	0.07		0.2 2.36e-02	12.7	12.7	12.7	12.7	43.8	-76.6	-44.8	-3457.4	-2867.7	-1298.7
181	ok	0.07		0.3 2.13e-02	12.7	12.7	12.7	12.7	-83.1	-65.2	-66.9	-4187.8	-728.8	-2336.8
182	ok	0.07		0.1 1.27e-02	12.7	12.7	12.7	12.7	-55.0	2.0	-50.1	-2269.3	1442.3	-950.6
183	ok	0.07		0.1 2.04e-03	12.7	12.7	12.7	12.7	-10.0	17.1	-10.3	-813.8	1900.0	-220.4
184	ok	0.07		0.1 3.17e-04	12.7	12.7	12.7	12.7	-0.5	10.7	-1.5	-341.5	1976.6	-102.6
185	ok	0.07		0.1 1.11e-04	12.7	12.7	12.7	12.7	-0.6	8.8	-0.7	-125.9	1991.7	-57.0
186	ok	0.07		0.1 8.93e-05	12.7	12.7	12.7	12.7	-0.6	8.0	-0.2	-22.7	1986.7	-22.0
187	ok	0.07		0.1 8.56e-05	12.7	12.7	12.7	12.7	-0.6	7.9	0.1	-5.1	1985.4	9.1
188	ok	0.07		0.1 9.54e-05	12.7	12.7	12.7	12.7	-0.6	8.5	0.5	-71.5	1989.9	41.1
189	ok	0.07		0.1 2.62e-04	12.7	12.7	12.7	12.7	-0.5	10.0	1.2	-235.2	1987.6	80.1
190	ok	0.07		0.1 1.61e-03	12.7	12.7	12.7	12.7	-8.4	15.2	7.7	-609.5	1940.2	174.1
191	ok	0.07		0.1 9.93e-03	12.7	12.7	12.7	12.7	-47.0	5.8	36.9	-1774.8	1618.6	736.1
192	ok	0.07		0.2 1.32e-02	12.7	12.7	12.7	12.7	-56.8	-53.7	32.6	-3315.8	451.7	1437.1
193	ok	0.07		0.2 2.33e-02	12.7	12.7	12.7	12.7	34.6	-80.0	50.1	-3513.8	-2943.9	1360.8
194	ok	0.07		0.2 1.05e-02	12.7	12.7	12.7	12.7	112.2	13.9	15.1	-2654.6	1858.7	-457.5
195	ok	0.07		0.1 1.59e-03	12.7	12.7	12.7	12.7	9.5	59.1	-17.3	-1164.3	2242.9	-259.3
196	ok	0.07		0.1 5.18e-04	12.7	12.7	12.7	12.7	-1.3	15.0	-4.6	-725.1	1908.0	-31.6
197	ok	0.07		0.1 1.43e-04	12.7	12.7	12.7	12.7	-0.7	11.5	-9.03e-03	-341.2	1985.3	-7.7
198	ok	0.07		0.1 1.25e-04	12.7	12.7	12.7	12.7	-0.7	9.1	-0.2	-127.1	1997.2	-6.4
199	ok	0.07		0.1 1.02e-04	12.7	12.7	12.7	12.7	-0.6	8.1	-0.1	-24.7	1991.0	-3.0
200	ok	0.07		0.1 9.81e-05	12.7	12.7	12.7	12.7	-0.6	8.0	5.42e-02	-7.7	1989.1	1.2
201	ok	0.07		0.1 1.14e-04	12.7	12.7	12.7	12.7	-0.7	8.7	0.1	-72.6	1994.7	4.8
202	ok	0.07		0.1 1.30e-04	12.7	12.7	12.7	12.7	-0.7	10.6	5.38e-02	-234.2	1994.4	6.5
203	ok	0.07		0.1 3.08e-04	12.7	12.7	12.7	12.7	-1.3	13.9	3.5	-533.0	1951.1	23.5
204	ok	0.07		0.1 1.21e-03	12.7	12.7	12.7	12.7	6.2	46.8	15.8	-970.4	2225.6	202.7
205	ok	0.07		0.2 6.02e-03	12.7	12.7	12.7	12.7	87.6	52.5	-14.6	-1346.6	2128.2	930.3
206	ok	0.07		0.6 3.42e-02	12.7	12.7	12.7	12.7	-21.9	190.0	-83.2	-7456.0	-5945.5	1786.9
207	ok	0.07		0.2 2.30e-02	12.7	12.7	12.7	12.7	60.1	-71.4	45.7	-2606.7	-2249.5	1465.0
208	ok	0.07		0.3 2.14e-02	12.7	12.7	12.7	12.7	-65.5	-63.1	78.0	-3551.5	-1031.4	2272.0
209	ok	0.07		0.1 1.00e-02	12.7	12.7	12.7	12.7	-43.2	6.4	41.3	-1967.8	1472.2	938.1
210	ok	0.07		0.1 1.42e-03	12.7	12.7	12.7	12.7	-8.1	16.8	6.0	-738.4	1886.7	238.2
211	ok	0.07		0.1 2.40e-04	12.7	12.7	12.7	12.7	-0.6	10.9	1.2	-316.5	1968.2	128.0
212	ok	0.07		0.1 1.11e-04	12.7	12.7	12.7	12.7	-0.7	8.9	0.6	-113.6	1987.0	68.9
213	ok	0.07		0.1 9.28e-05	12.7	12.7	12.7	12.7	-0.6	8.1	0.2	-15.5	1983.8	26.1
214	ok	0.07		0.1 9.00e-05	12.7	12.7	12.7	12.7	-0.6	7.9	-0.1	6.2	1980.2	-10.9
215	ok	0.07		0.1 1.00e-04	12.7	12.7	12.7	12.7	-0.6	8.6	-0.4	-61.6	1986.1	-49.6
216	ok	0.07		0.1 2.13e-04	12.7	12.7	12.7	12.7	-0.6	10.2	-1.0	-216.0	1980.8	-99.5
217	ok	0.07		0.1 1.21e-03	12.7	12.7	12.7	12.7	-7.0	15.2	-4.9	-553.5	1931.9	-192.4
218	ok	0.07		0.1 8.68e-03	12.7	12.7	12.7	12.7	-42.0	10.8	-32.7	-1576.2	1635.1	-750.1
219	ok	0.07		0.2 1.40e-02	12.7	12.7	12.7	12.7	-37.5	45.1	10.0	-2702.3	1759.3	-506.7
220	ok	0.07		0.2 2.21e-02	12.7	12.7	12.7	12.7	50.2	-74.4	-51.3	-2661.6	-2317.4	-1547.2



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221	ok	0.07	0.1	8.04e-03	12.7	12.7	12.7	12.7	-23.5	-42.7	17.9	-1280.1	-769.4	1065.3
222	ok	0.07	8.87e-02	3.77e-03	12.7	12.7	12.7	12.7	-5.8	7.7	1.0	-922.0	567.2	1099.8
223	ok	0.07	9.90e-02	9.40e-04	12.7	12.7	12.7	12.7	-5.7	16.1	3.3	-783.3	1474.0	838.3
224	ok	0.07	0.1	2.33e-04	12.7	12.7	12.7	12.7	0.9	9.9	4.9	-354.6	1744.3	488.8
225	ok	0.07	0.1	1.41e-04	12.7	12.7	12.7	12.7	0.4	8.4	2.8	-123.7	1872.5	302.2
226	ok	0.07	0.1	9.11e-05	12.7	12.7	12.7	12.7	0.1	7.3	1.5	15.3	1912.3	168.2
227	ok	0.07	0.1	4.07e-05	12.7	12.7	12.7	12.7	1.19e-02	6.9	0.6	79.6	1920.7	64.8
228	ok	0.07	0.1	3.12e-05	12.7	12.7	12.7	12.7	5.31e-03	6.8	-0.3	89.9	1920.8	-26.3
229	ok	0.07	0.1	6.92e-05	12.7	12.7	12.7	12.7	0.1	7.1	-1.2	48.3	1917.7	-122.7
230	ok	0.07	0.1	1.16e-04	12.7	12.7	12.7	12.7	0.2	8.0	-2.4	-61.3	1896.9	-240.6
231	ok	0.07	0.1	2.09e-04	12.7	12.7	12.7	12.7	0.5	9.0	-3.9	-259.3	1814.8	-396.9
232	ok	0.07	0.1	5.60e-04	12.7	12.7	12.7	12.7	-2.3	9.9	-0.3	-670.0	1610.0	-651.0
233	ok	0.07	9.64e-02	1.87e-03	12.7	12.7	12.7	12.7	3.4	50.4	-1.7	-624.5	1304.3	-865.2
234	ok	0.07	0.1	8.81e-03	12.7	12.7	12.7	12.7	-2.9	-56.1	-11.4	-1118.7	-741.0	-1002.4
235	ok	0.07	7.75e-02	1.70e-03	12.7	12.7	12.7	12.7	-2.0	3.4	-0.5	273.3	265.2	1122.1
236	ok	0.07	8.05e-02	5.36e-04	12.7	12.7	12.7	12.7	-3.2	10.2	-2.3	194.0	710.9	955.0
237	ok	0.07	9.02e-02	1.77e-04	12.7	12.7	12.7	12.7	0.8	3.1	1.6	109.5	1148.1	837.5
238	ok	0.07	9.78e-02	6.17e-05	12.7	12.7	12.7	12.7	2.5	3.6	2.9	116.8	1536.0	588.5
239	ok	0.07	0.1	1.22e-04	12.7	12.7	12.7	12.7	1.6	4.7	2.6	165.5	1719.4	378.9
240	ok	0.07	0.1	5.71e-05	12.7	12.7	12.7	12.7	1.1	5.0	1.6	204.9	1794.4	216.8
241	ok	0.07	0.1	3.52e-06	12.7	12.7	12.7	12.7	0.9	5.0	0.6	229.6	1816.8	83.8
242	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.9	5.0	-0.3	232.6	1819.7	-34.7
243	ok	0.07	0.1	3.94e-05	12.7	12.7	12.7	12.7	1.0	5.0	-1.2	218.5	1805.3	-158.9
244	ok	0.07	0.1	9.04e-05	12.7	12.7	12.7	12.7	1.5	4.7	-2.0	186.2	1754.5	-306.2
245	ok	0.07	9.94e-02	6.93e-05	12.7	12.7	12.7	12.7	2.0	3.9	-2.3	139.0	1620.8	-495.2
246	ok	0.07	9.37e-02	1.79e-04	12.7	12.7	12.7	12.7	1.2	4.1	-2.5	102.7	1317.0	-749.2
247	ok	0.07	8.35e-02	3.57e-04	12.7	12.7	12.7	12.7	-1.5	7.7	-0.8	150.8	841.7	-933.4
248	ok	0.07	7.78e-02	1.08e-03	12.7	12.7	12.7	12.7	-2.9	4.8	6.76e-02	266.4	282.4	-1122.2
249	ok	0.07	9.10e-02	6.33e-04	12.7	12.7	12.7	12.7	-3.4	0.9	3.65e-02	1007.8	313.8	908.4
250	ok	0.07	8.46e-02	3.69e-04	12.7	12.7	12.7	12.7	-2.3	1.4	0.2	858.9	648.5	757.0
251	ok	0.07	8.64e-02	1.86e-04	12.7	12.7	12.7	12.7	0.4	1.0	0.9	668.6	1053.9	661.7
252	ok	0.07	9.04e-02	1.45e-04	12.7	12.7	12.7	12.7	1.9	1.5	1.5	531.9	1378.8	511.1
253	ok	0.07	9.33e-02	6.30e-05	12.7	12.7	12.7	12.7	2.1	2.3	1.6	452.6	1571.2	350.2
254	ok	0.07	9.49e-02	4.56e-05	12.7	12.7	12.7	12.7	1.9	2.9	1.2	410.2	1666.2	206.9
255	ok	0.07	9.54e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.2	0.5	390.4	1703.6	82.3
256	ok	0.07	9.55e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.2	-0.2	389.3	1707.4	-34.1
257	ok	0.07	9.51e-02	1.55e-05	12.7	12.7	12.7	12.7	1.8	3.0	-0.9	398.7	1685.5	-155.0
258	ok	0.07	9.40e-02	4.00e-05	12.7	12.7	12.7	12.7	1.9	2.5	-1.4	430.1	1615.8	-291.4
259	ok	0.07	9.15e-02	1.19e-04	12.7	12.7	12.7	12.7	1.8	1.9	-1.5	492.6	1464.2	-448.2
260	ok	0.07	8.78e-02	1.70e-04	12.7	12.7	12.7	12.7	0.7	1.5	-1.2	606.7	1189.9	-608.0
261	ok	0.07	8.45e-02	3.11e-04	12.7	12.7	12.7	12.7	-1.3	1.5	-0.8	778.8	796.3	-728.4
262	ok	0.07	9.08e-02	5.69e-04	12.7	12.7	12.7	12.7	-3.4	1.0	-0.6	1007.3	312.8	-906.6
263	ok	0.07	9.40e-02	6.49e-04	12.7	12.7	12.7	12.7	-4.2	-5.67e-02	-0.1	1415.3	330.7	608.1
264	ok	0.07	8.50e-02	3.76e-04	12.7	12.7	12.7	12.7	-2.4	1.12e-02	5.29e-02	1245.7	643.7	497.7
265	ok	0.07	8.05e-02	1.95e-04	12.7	12.7	12.7	12.7	-4.06e-02	0.1	0.4	1010.7	1004.4	437.5
266	ok	0.07	8.19e-02	1.37e-04	12.7	12.7	12.7	12.7	1.4	0.5	0.7	814.3	1281.1	351.5
267	ok	0.07	8.55e-02	3.03e-05	12.7	12.7	12.7	12.7	2.1	1.0	0.8	669.7	1461.1	251.1
268	ok	0.07	8.83e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.5	0.7	576.2	1561.2	152.6
269	ok	0.07	8.97e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.8	0.3	527.8	1605.9	61.2
270	ok	0.07	8.99e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.9	-0.1	521.3	1610.9	-25.7
271	ok	0.07	8.90e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.7	-0.5	551.1	1582.9	-115.4
272	ok	0.07	8.66e-02	4.14e-05	12.7	12.7	12.7	12.7	2.0	1.3	-0.7	625.7	1505.8	-211.7
273	ok	0.07	8.31e-02	1.15e-04	12.7	12.7	12.7	12.7	1.5	0.8	-0.7	749.7	1358.1	-313.0
274	ok	0.07	8.03e-02	1.69e-04	12.7	12.7	12.7	12.7	0.3	0.5	-0.5	926.9	1119.2	-406.7
275	ok	0.07	8.24e-02	3.09e-04	12.7	12.7	12.7	12.7	-1.5	0.2	-0.3	1148.8	784.6	-478.0
276	ok	0.07	9.39e-02	6.13e-04	12.7	12.7	12.7	12.7	-4.0	1.00e-02	-8.80e-03	1416.1	329.8	-604.3
277	ok	0.07	9.27e-02	6.55e-04	12.7	12.7	12.7	12.7	-4.3	-0.1	-0.2	1609.1	336.7	270.6
278	ok	0.07	8.28e-02	4.04e-04	12.7	12.7	12.7	12.7	-2.6	-0.3	-0.1	1427.4	638.7	221.3
279	ok	0.07	7.22e-02	2.08e-04	12.7	12.7	12.7	12.7	-0.3	-0.2	-4.27e-02	1177.4	977.5	194.6
280	ok	0.07	7.26e-02	1.23e-04	12.7	12.7	12.7	12.7	1.2	1.28e-02	9.46e-02	959.8	1229.6	159.9
281	ok	0.07	7.91e-02	4.39e-05	12.7	12.7	12.7	12.7	2.0	0.4	0.2	789.5	1398.2	117.7
282	ok	0.07	8.38e-02	9.91e-06	12.7	12.7	12.7	12.7	2.4	0.8	0.2	673.6	1497.1	73.4
283	ok	0.07	8.60e-02	0.0	12.7	12.7	12.7	12.7	2.4	1.0	8.61e-02	611.5	1543.3	29.9
284	ok	0.07	8.64e-02	0.0	12.7	12.7	12.7	12.7	2.4	1.1	-1.82e-02	601.2	1549.8	-12.8
285	ok	0.07	8.48e-02	1.38e-06	12.7	12.7	12.7	12.7	2.3	1.0	-0.1	642.1	1519.0	-55.9
286	ok	0.07	8.11e-02	3.36e-05	12.7	12.7	12.7	12.7	2.0	0.7	-0.2	736.3	1441.4	-100.2
287	ok	0.07	7.50e-02	1.01e-04	12.7	12.7	12.7	12.7	1.3	0.3	-0.1	885.5	1300.9	-143.9
288	ok	0.07	7.05e-02	1.73e-04	12.7	12.7	12.7	12.7	0.1	3.54e-02	-2.58e-02	1085.9	1082.2	-182.2
289	ok	0.07	7.78e-02	3.13e-04	12.7	12.7	12.7	12.7	-1.7	-0.1	6.60e-02	1324.9	774.7	-211.6
290	ok	0.07	9.27e-02	6.28e-04	12.7	12.7	12.7	12.7	-4.1	-7.17e-02	0.2	1609.4	335.5	-268.1
291	ok	0.07	9.08e-02	6.31e-04	12.7	12.7	12.7	12.7	-4.1	-0.1	-0.2	1624.1	334.3	-82.0
292	ok	0.07	8.07e-02	4.01e-04	12.7	12.7	12.7	12.7	-2.6	-0.2	-0.4	1442.7	633.7	-65.3
293	ok	0.07	6.72e-02	2.38e-04	12.7	12.7	12.7	12.7	-0.4	-0.3	-0.5	1192.3	969.7	-55.8
294	ok	0.07	6.82e-02	1.44e-04	12.7	12.7	12.7	12.7	1.1	2.35e-02	-0.5	976.9	1217.9	-42.8
295	ok	0.07	7.71e-02	8.84e-05	12.7	12.7	12.7	12.7	1.9	0.4	-0.4	806.8	1383.8	-28.5
296	ok	0.07	8.25e-02	2.20e-05	12.7	12.7	12.7	12.7	2.3	0.6	-0.3	690.9	1480.3	-16.1



297	ok	0.07	8.50e-02	5.03e-06	12.7	12.7	12.7	12.7	2.4	0.9	-0.1	628.5	1526.0	-6.1
298	ok	0.07	8.54e-02	0.0	12.7	12.7	12.7	12.7	2.4	0.9	6.58e-02	618.1	1532.5	2.8
299	ok	0.07	8.37e-02	1.05e-05	12.7	12.7	12.7	12.7	2.3	0.8	0.2	659.4	1501.9	11.9
300	ok	0.07	7.95e-02	6.84e-05	12.7	12.7	12.7	12.7	1.9	0.6	0.3	753.6	1426.2	23.3
301	ok	0.07	7.19e-02	1.17e-04	12.7	12.7	12.7	12.7	1.2	0.3	0.4	902.8	1288.1	37.4
302	ok	0.07	6.35e-02	1.99e-04	12.7	12.7	12.7	12.7	4.04e-02	5.67e-02	0.5	1102.7	1072.8	51.1
303	ok	0.07	7.51e-02	3.34e-04	12.7	12.7	12.7	12.7	-1.7	-7.97e-02	0.4	1340.7	768.9	61.1
304	ok	0.07	9.08e-02	6.09e-04	12.7	12.7	12.7	12.7	-4.0	-7.54e-02	0.2	1624.3	333.1	81.6
305	ok	0.07	8.92e-02	5.83e-04	12.7	12.7	12.7	12.7	-3.8	-2.48e-02	-0.3	1466.6	324.7	-415.3
306	ok	0.07	8.02e-02	3.98e-04	12.7	12.7	12.7	12.7	-2.3	0.1	-0.7	1298.5	629.7	-338.6
307	ok	0.07	7.36e-02	2.49e-04	12.7	12.7	12.7	12.7	-0.3	0.2	-0.9	1066.0	980.1	-295.1
308	ok	0.07	7.56e-02	1.62e-04	12.7	12.7	12.7	12.7	1.1	0.5	-0.9	870.4	1245.9	-233.0
309	ok	0.07	8.10e-02	1.10e-04	12.7	12.7	12.7	12.7	1.8	0.8	-0.9	725.0	1417.8	-161.7
310	ok	0.07	8.49e-02	2.32e-05	12.7	12.7	12.7	12.7	2.1	1.2	-0.6	629.9	1513.0	-95.3
311	ok	0.07	8.68e-02	5.20e-06	12.7	12.7	12.7	12.7	2.2	1.4	-0.3	580.3	1554.9	-37.7
312	ok	0.07	8.70e-02	0.0	12.7	12.7	12.7	12.7	2.1	1.4	0.1	571.9	1560.8	16.3
313	ok	0.07	8.58e-02	8.47e-06	12.7	12.7	12.7	12.7	2.1	1.3	0.4	604.4	1533.3	71.5
314	ok	0.07	8.26e-02	8.63e-05	12.7	12.7	12.7	12.7	1.8	1.0	0.7	680.8	1460.1	134.8
315	ok	0.07	7.76e-02	1.35e-04	12.7	12.7	12.7	12.7	1.2	0.7	0.9	806.0	1319.8	205.5
316	ok	0.07	7.33e-02	2.17e-04	12.7	12.7	12.7	12.7	7.46e-02	0.5	0.9	982.8	1091.3	273.2
317	ok	0.07	7.67e-02	3.46e-04	12.7	12.7	12.7	12.7	-1.5	0.3	0.8	1202.6	768.3	324.6
318	ok	0.07	8.92e-02	5.61e-04	12.7	12.7	12.7	12.7	-3.6	1.71e-02	0.4	1467.4	324.1	413.8
319	ok	0.07	8.51e-02	5.73e-04	12.7	12.7	12.7	12.7	-2.8	1.1	-0.8	1115.1	308.6	-711.3
320	ok	0.07	7.89e-02	4.03e-04	12.7	12.7	12.7	12.7	-1.9	1.7	-1.1	969.3	627.3	-594.9
321	ok	0.07	7.95e-02	2.52e-04	12.7	12.7	12.7	12.7	-8.92e-02	1.2	-1.4	779.3	1014.6	-515.7
322	ok	0.07	8.36e-02	1.69e-04	12.7	12.7	12.7	12.7	1.2	1.4	-1.5	639.7	1320.2	-391.6
323	ok	0.07	8.75e-02	1.22e-04	12.7	12.7	12.7	12.7	1.6	1.9	-1.4	554.8	1499.4	-262.2
324	ok	0.07	8.97e-02	6.44e-05	12.7	12.7	12.7	12.7	1.7	2.2	-1.0	506.2	1587.1	-151.6
325	ok	0.07	9.07e-02	1.47e-05	12.7	12.7	12.7	12.7	1.7	2.4	-0.5	482.2	1621.2	-59.6
326	ok	0.07	9.08e-02	0.0	12.7	12.7	12.7	12.7	1.7	2.4	0.2	477.9	1626.1	25.5
327	ok	0.07	9.02e-02	3.75e-05	12.7	12.7	12.7	12.7	1.7	2.3	0.7	493.2	1604.3	113.1
328	ok	0.07	8.84e-02	9.63e-05	12.7	12.7	12.7	12.7	1.6	2.0	1.2	530.7	1540.0	216.5
329	ok	0.07	8.51e-02	1.45e-04	12.7	12.7	12.7	12.7	1.2	1.7	1.4	599.4	1399.9	340.6
330	ok	0.07	8.08e-02	2.28e-04	12.7	12.7	12.7	12.7	0.2	1.7	1.5	717.0	1144.6	471.4
331	ok	0.07	7.83e-02	3.62e-04	12.7	12.7	12.7	12.7	-1.3	1.7	1.5	889.2	772.5	571.2
332	ok	0.07	8.52e-02	5.25e-04	12.7	12.7	12.7	12.7	-2.8	1.2	1.1	1115.3	308.3	711.9
333	ok	0.07	7.36e-02	1.53e-03	12.7	12.7	12.7	12.7	-1.1	5.7	-1.4	477.7	285.9	-930.5
334	ok	0.07	7.55e-02	5.13e-04	12.7	12.7	12.7	12.7	-2.0	10.2	-0.6	401.4	667.0	-804.7
335	ok	0.07	8.31e-02	2.61e-04	12.7	12.7	12.7	12.7	-0.2	3.1	-1.6	303.5	1089.2	-687.1
336	ok	0.07	9.06e-02	1.63e-04	12.7	12.7	12.7	12.7	1.4	3.2	-2.1	306.2	1450.5	-466.3
337	ok	0.07	9.42e-02	1.35e-04	12.7	12.7	12.7	12.7	1.3	3.7	-1.9	333.3	1616.6	-295.5
338	ok	0.07	9.55e-02	7.53e-05	12.7	12.7	12.7	12.7	1.1	3.9	-1.3	350.1	1687.1	-168.2
339	ok	0.07	9.57e-02	2.42e-05	12.7	12.7	12.7	12.7	1.1	3.8	-0.5	364.3	1707.1	-64.4
340	ok	0.07	9.56e-02	0.0	12.7	12.7	12.7	12.7	1.1	3.7	0.2	365.6	1709.1	27.4
341	ok	0.07	9.56e-02	6.16e-05	12.7	12.7	12.7	12.7	1.1	3.8	0.9	358.6	1696.3	123.3
342	ok	0.07	9.48e-02	1.09e-04	12.7	12.7	12.7	12.7	1.2	3.6	1.5	340.8	1650.3	240.2
343	ok	0.07	9.22e-02	1.42e-04	12.7	12.7	12.7	12.7	1.2	3.2	1.7	312.6	1529.3	395.1
344	ok	0.07	8.66e-02	2.44e-04	12.7	12.7	12.7	12.7	0.2	4.1	2.3	292.8	1251.9	610.4
345	ok	0.07	7.80e-02	4.49e-04	12.7	12.7	12.7	12.7	-1.6	8.1	2.4	351.7	806.8	780.5
346	ok	0.07	7.40e-02	1.04e-03	12.7	12.7	12.7	12.7	-1.5	6.4	1.5	473.7	298.2	934.2
347	ok	0.07	8.90e-02	7.71e-03	12.7	12.7	12.7	12.7	-22.1	-46.1	-12.2	-856.1	-727.1	-784.6
348	ok	0.07	7.39e-02	2.10e-03	12.7	12.7	12.7	12.7	-6.4	7.9	-1.4	-569.5	536.4	-930.3
349	ok	0.07	8.87e-02	1.11e-03	12.7	12.7	12.7	12.7	-7.3	11.4	1.2	-497.2	1367.6	-662.4
350	ok	0.07	9.67e-02	2.54e-04	12.7	12.7	12.7	12.7	0.3	8.0	-3.6	-85.0	1636.3	-392.4
351	ok	0.07	9.99e-02	1.58e-04	12.7	12.7	12.7	12.7	0.6	6.1	-2.0	114.8	1744.1	-244.3
352	ok	0.07	0.1	9.80e-05	12.7	12.7	12.7	12.7	0.4	5.6	-1.1	211.4	1783.5	-136.0
353	ok	0.07	0.1	4.62e-05	12.7	12.7	12.7	12.7	0.4	5.3	-0.4	256.5	1791.5	-52.4
354	ok	0.07	0.1	2.61e-05	12.7	12.7	12.7	12.7	0.4	5.2	0.2	263.5	1791.6	21.8
355	ok	0.07	0.1	8.06e-05	12.7	12.7	12.7	12.7	0.4	5.4	0.9	234.7	1788.0	99.9
356	ok	0.07	0.1	1.33e-04	12.7	12.7	12.7	12.7	0.5	5.8	1.7	160.4	1765.6	195.7
357	ok	0.07	9.84e-02	2.14e-04	12.7	12.7	12.7	12.7	1.5	5.9	2.7	16.8	1689.9	331.2
358	ok	0.07	9.08e-02	5.15e-04	12.7	12.7	12.7	12.7	-2.5	7.4	-1.3	-356.6	1491.4	509.4
359	ok	0.07	8.68e-02	1.41e-03	12.7	12.7	12.7	12.7	2.1	44.8	5.6	-316.8	1111.7	833.6
360	ok	0.07	8.38e-02	7.56e-03	12.7	12.7	12.7	12.7	-4.2	-48.8	8.0	-696.5	-661.8	753.0
361	ok	0.07	0.2	2.07e-02	12.7	12.7	12.7	12.7	28.5	-68.4	-35.8	-2475.5	-2348.4	-1150.6
362	ok	0.07	0.2	1.63e-02	12.7	12.7	12.7	12.7	-67.0	-49.1	-49.7	-2941.4	-373.1	-1882.6
363	ok	0.07	9.39e-02	9.88e-03	12.7	12.7	12.7	12.7	-43.4	2.6	-38.9	-1457.5	1364.6	-795.0
364	ok	0.07	0.1	1.58e-03	12.7	12.7	12.7	12.7	-7.9	13.7	-7.9	-358.1	1750.3	-217.9
365	ok	0.07	0.1	2.28e-04	12.7	12.7	12.7	12.7	-0.3	8.6	-1.0	-20.5	1827.7	-113.4
366	ok	0.07	0.1	1.07e-04	12.7	12.7	12.7	12.7	-0.2	7.2	-0.7	135.7	1849.2	-66.6
367	ok	0.07	0.1	5.86e-05	12.7	12.7	12.7	12.7	-3.69e-02	6.3	-0.2	199.7	1848.0	-26.0
368	ok	0.07	0.1	5.09e-05	12.7	12.7	12.7	12.7	-3.02e-02	6.2	5.89e-02	209.7	1846.6	11.1
369	ok	0.07	0.1	8.87e-05	12.7	12.7	12.7	12.7	-0.1	6.8	0.5	169.6	1848.7	49.7
370	ok	0.07	0.1	1.93e-04	12.7	12.7	12.7	12.7	-0.9	8.7	1.7	59.2	1841.3	96.0
371	ok	0.07	0.1	1.24e-03	12.7	12.7	12.7	12.7	-6.6	12.2	5.8	-210.3	1788.9	177.3
372	ok	0.07	9.59e-02	7.72e-03	12.7	12.7	12.7	12.7	-37.0	5.6	28.4	-1078.4	1517.1	622.9



373	ok	0.07	0.1	1.01e-02	12.7	12.7	12.7	12.7	-45.5	-42.3	21.5	-2257.5	558.1	1146.7
374	ok	0.07	0.2	2.06e-02	12.7	12.7	12.7	12.7	20.5	-71.2	40.3	-2527.1	-2412.1	1195.6
375	ok	0.07	0.1	8.07e-03	12.7	12.7	12.7	12.7	85.5	10.7	15.6	-1840.1	1640.4	-428.3
376	ok	0.07	0.1	1.22e-03	12.7	12.7	12.7	12.7	8.0	46.2	-12.3	-584.3	1982.9	-256.7
377	ok	0.07	9.99e-02	4.37e-04	12.7	12.7	12.7	12.7	-1.2	12.0	-3.3	-291.7	1761.5	-81.0
378	ok	0.07	0.1	1.64e-04	12.7	12.7	12.7	12.7	-0.5	9.1	0.2	-21.1	1841.2	-49.1
379	ok	0.07	0.1	1.11e-04	12.7	12.7	12.7	12.7	-0.4	7.0	-0.2	127.4	1861.4	-33.8
380	ok	0.07	0.1	6.36e-05	12.7	12.7	12.7	12.7	-0.1	6.4	1.14e-04	192.9	1860.1	-13.3
381	ok	0.07	0.1	5.75e-05	12.7	12.7	12.7	12.7	-9.53e-02	6.3	-7.16e-03	203.0	1858.6	6.1
382	ok	0.07	0.1	9.10e-05	12.7	12.7	12.7	12.7	-0.3	6.7	0.1	162.2	1860.8	26.4
383	ok	0.07	0.1	1.42e-04	12.7	12.7	12.7	12.7	-0.2	7.6	0.8	62.0	1850.7	47.4
384	ok	0.07	0.1	2.79e-04	12.7	12.7	12.7	12.7	-1.1	11.1	2.4	-154.2	1802.6	70.0
385	ok	0.07	0.1	9.58e-04	12.7	12.7	12.7	12.7	5.5	36.1	11.4	-453.5	1982.1	210.9
386	ok	0.07	0.1	4.45e-03	12.7	12.7	12.7	12.7	65.7	43.4	-15.1	-788.0	1856.4	830.8
387	ok	0.07	0.2	1.85e-02	12.7	12.7	12.7	12.7	40.3	-56.6	34.6	-1783.4	-1735.0	1048.1
388	ok	0.07	0.2	1.65e-02	12.7	12.7	12.7	12.7	-52.8	-46.6	59.6	-2441.1	-612.4	1678.2
389	ok	0.07	8.96e-02	7.75e-03	12.7	12.7	12.7	12.7	-33.6	5.1	31.8	-1224.9	1395.1	633.5
390	ok	0.07	9.93e-02	1.14e-03	12.7	12.7	12.7	12.7	-6.4	13.4	4.9	-303.7	1753.5	110.5
391	ok	0.07	0.1	1.90e-04	12.7	12.7	12.7	12.7	-0.2	8.4	1.1	3.9	1841.7	42.6
392	ok	0.07	0.1	1.18e-04	12.7	12.7	12.7	12.7	-0.1	7.3	0.7	138.4	1866.1	15.0
393	ok	0.07	0.1	6.38e-05	12.7	12.7	12.7	12.7	5.39e-03	6.4	0.2	198.8	1867.0	4.0
394	ok	0.07	0.1	5.78e-05	12.7	12.7	12.7	12.7	-7.81e-03	6.3	-0.2	208.2	1865.6	-1.5
395	ok	0.07	0.1	9.74e-05	12.7	12.7	12.7	12.7	-0.1	6.9	-0.6	170.6	1866.6	-8.4
396	ok	0.07	0.1	1.60e-04	12.7	12.7	12.7	12.7	-0.2	7.9	-1.0	70.7	1855.0	-27.7
397	ok	0.07	0.1	9.61e-04	12.7	12.7	12.7	12.7	-5.5	12.1	-4.1	-171.5	1797.2	-80.6
398	ok	0.07	9.52e-02	6.69e-03	12.7	12.7	12.7	12.7	-32.6	8.8	-25.0	-926.2	1534.8	-492.9
399	ok	0.07	0.1	1.08e-02	12.7	12.7	12.7	12.7	-29.6	35.2	7.2	-1780.8	1570.9	-323.4
400	ok	0.07	0.2	1.77e-02	12.7	12.7	12.7	12.7	33.0	-58.8	-38.8	-1820.4	-1779.9	-1108.3
401	ok	0.07	7.23e-02	6.32e-03	12.7	12.7	12.7	12.7	-20.1	-33.3	13.8	-615.5	-523.5	698.8
402	ok	0.07	7.23e-02	2.81e-03	12.7	12.7	12.7	12.7	-5.3	6.6	1.6	-363.9	608.5	738.4
403	ok	0.07	8.75e-02	8.24e-04	12.7	12.7	12.7	12.7	-5.0	12.9	3.1	-305.2	1397.5	536.9
404	ok	0.07	9.57e-02	2.90e-04	12.7	12.7	12.7	12.7	0.7	8.0	4.2	-12.5	1659.0	275.1
405	ok	0.07	0.1	1.74e-04	12.7	12.7	12.7	12.7	0.8	6.5	2.3	141.5	1784.6	151.5
406	ok	0.07	0.1	1.03e-04	12.7	12.7	12.7	12.7	0.6	6.0	1.3	217.5	1834.8	75.5
407	ok	0.07	0.1	4.23e-05	12.7	12.7	12.7	12.7	0.6	5.6	0.5	253.2	1848.5	27.1
408	ok	0.07	0.1	2.85e-05	12.7	12.7	12.7	12.7	0.5	5.5	-0.2	258.4	1849.1	-10.7
409	ok	0.07	0.1	8.04e-05	12.7	12.7	12.7	12.7	0.6	5.8	-1.0	235.8	1842.0	-52.0
410	ok	0.07	0.1	1.50e-04	12.7	12.7	12.7	12.7	0.7	6.2	-2.0	177.1	1810.6	-114.3
411	ok	0.07	9.82e-02	2.64e-04	12.7	12.7	12.7	12.7	1.6	6.4	-3.3	64.2	1721.3	-218.9
412	ok	0.07	9.03e-02	4.87e-04	12.7	12.7	12.7	12.7	-2.1	8.1	-0.8	-232.6	1524.8	-394.5
413	ok	0.07	8.19e-02	1.47e-03	12.7	12.7	12.7	12.7	2.3	39.7	-2.6	-152.1	1214.1	-567.1
414	ok	0.07	6.54e-02	6.82e-03	12.7	12.7	12.7	12.7	-4.1	-43.3	-9.0	-490.4	-490.1	-656.5
415	ok	0.07	6.29e-02	1.49e-03	12.7	12.7	12.7	12.7	-2.6	3.1	0.4	611.4	302.8	654.5
416	ok	0.07	6.64e-02	5.06e-04	12.7	12.7	12.7	12.7	-3.1	8.3	-0.8	504.5	726.9	562.8
417	ok	0.07	7.74e-02	2.57e-04	12.7	12.7	12.7	12.7	0.4	2.8	1.9	376.6	1155.2	481.9
418	ok	0.07	8.92e-02	1.11e-04	12.7	12.7	12.7	12.7	2.1	3.2	2.6	331.8	1519.1	311.3
419	ok	0.07	9.64e-02	7.46e-05	12.7	12.7	12.7	12.7	1.7	4.1	2.2	330.9	1700.5	180.9
420	ok	0.07	9.99e-02	8.32e-05	12.7	12.7	12.7	12.7	1.4	4.4	1.3	334.8	1780.6	94.4
421	ok	0.07	0.1	9.37e-06	12.7	12.7	12.7	12.7	1.3	4.4	0.5	336.9	1809.0	35.8
422	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	4.4	-0.2	339.2	1811.1	-13.8
423	ok	0.07	0.1	5.87e-05	12.7	12.7	12.7	12.7	1.3	4.3	-1.1	334.7	1793.9	-68.2
424	ok	0.07	9.80e-02	1.31e-04	12.7	12.7	12.7	12.7	1.5	4.1	-1.8	329.3	1739.1	-141.2
425	ok	0.07	9.23e-02	9.01e-05	12.7	12.7	12.7	12.7	1.7	3.3	-2.4	327.6	1599.6	-254.5
426	ok	0.07	8.22e-02	2.46e-04	12.7	12.7	12.7	12.7	0.7	3.6	-2.5	349.2	1311.6	-421.3
427	ok	0.07	6.94e-02	4.22e-04	12.7	12.7	12.7	12.7	-1.7	6.5	-1.5	443.4	863.6	-548.4
428	ok	0.07	6.31e-02	1.01e-03	12.7	12.7	12.7	12.7	-3.3	4.1	-0.6	605.1	314.4	-657.3
429	ok	0.07	7.25e-02	7.33e-04	12.7	12.7	12.7	12.7	-4.1	0.7	0.5	1135.2	339.2	395.2
430	ok	0.07	6.64e-02	4.64e-04	12.7	12.7	12.7	12.7	-2.5	1.3	0.7	971.2	686.6	333.9
431	ok	0.07	7.03e-02	2.75e-04	12.7	12.7	12.7	12.7	0.3	1.1	1.2	758.9	1100.7	283.5
432	ok	0.07	8.23e-02	9.15e-05	12.7	12.7	12.7	12.7	1.9	1.6	1.4	600.3	1428.2	203.8
433	ok	0.07	9.16e-02	3.78e-05	12.7	12.7	12.7	12.7	2.2	2.5	1.3	500.7	1626.9	126.0
434	ok	0.07	9.67e-02	0.0	12.7	12.7	12.7	12.7	2.1	3.0	0.9	444.6	1726.8	68.0
435	ok	0.07	9.89e-02	0.0	12.7	12.7	12.7	12.7	2.0	3.4	0.4	416.0	1769.7	25.6
436	ok	0.07	9.92e-02	0.0	12.7	12.7	12.7	12.7	1.9	3.4	-0.2	410.8	1775.7	-10.8
437	ok	0.07	9.78e-02	0.0	12.7	12.7	12.7	12.7	2.0	3.2	-0.7	428.2	1747.9	-49.3
438	ok	0.07	9.39e-02	2.40e-05	12.7	12.7	12.7	12.7	2.1	2.7	-1.1	470.6	1673.2	-100.4
439	ok	0.07	8.61e-02	7.32e-05	12.7	12.7	12.7	12.7	1.7	2.1	-1.4	551.3	1514.0	-172.2
440	ok	0.07	7.45e-02	2.37e-04	12.7	12.7	12.7	12.7	0.5	1.7	-1.3	686.9	1235.1	-255.3
441	ok	0.07	6.57e-02	4.03e-04	12.7	12.7	12.7	12.7	-1.5	1.5	-1.1	880.1	837.6	-318.9
442	ok	0.07	7.24e-02	6.67e-04	12.7	12.7	12.7	12.7	-4.0	0.9	-0.8	1132.6	336.7	-397.7
443	ok	0.07	7.49e-02	7.27e-04	12.7	12.7	12.7	12.7	-4.7	6.71e-02	0.2	1336.2	351.8	72.8
444	ok	0.07	6.49e-02	4.73e-04	12.7	12.7	12.7	12.7	-2.6	0.2	0.3	1156.7	689.3	57.9
445	ok	0.07	6.13e-02	2.68e-04	12.7	12.7	12.7	12.7	0.1	0.4	0.5	913.8	1088.8	47.4
446	ok	0.07	7.79e-02	1.46e-04	12.7	12.7	12.7	12.7	1.7	1.0	0.5	720.4	1395.4	34.4
447	ok	0.07	8.89e-02	6.17e-05	12.7	12.7	12.7	12.7	2.3	1.8	0.4	583.6	1593.3	21.2
448	ok	0.07	9.51e-02	0.0	12.7	12.7	12.7	12.7	2.4	2.5	0.3	498.5	1702.4	10.8



449	ok	0.07	9.78e-02	0.0	12.7	12.7	12.7	12.7	2.3	2.9	0.2	455.3	1751.0	3.7
450	ok	0.07	9.82e-02	0.0	12.7	12.7	12.7	12.7	2.3	3.0	-7.11e-02	447.6	1758.0	-2.3
451	ok	0.07	9.64e-02	0.0	12.7	12.7	12.7	12.7	2.3	2.7	-0.3	474.5	1726.3	-8.3
452	ok	0.07	9.17e-02	1.15e-05	12.7	12.7	12.7	12.7	2.2	2.1	-0.4	540.5	1642.2	-16.7
453	ok	0.07	8.25e-02	9.86e-05	12.7	12.7	12.7	12.7	1.7	1.5	-0.6	655.5	1479.0	-28.4
454	ok	0.07	6.78e-02	2.32e-04	12.7	12.7	12.7	12.7	0.3	0.9	-0.6	827.6	1212.3	-41.9
455	ok	0.07	5.94e-02	4.02e-04	12.7	12.7	12.7	12.7	-1.8	0.7	-0.3	1053.8	837.3	-53.8
456	ok	0.07	7.47e-02	6.86e-04	12.7	12.7	12.7	12.7	-4.4	0.2	-9.24e-03	1332.8	347.8	-75.0
457	ok	0.07	7.49e-02	7.47e-04	12.7	12.7	12.7	12.7	-4.7	0.2	-0.4	1261.0	341.8	-285.6
458	ok	0.07	6.68e-02	5.03e-04	12.7	12.7	12.7	12.7	-2.9	1.0	-0.1	1090.8	692.8	-234.0
459	ok	0.07	6.75e-02	2.65e-04	12.7	12.7	12.7	12.7	9.47e-02	1.0	-0.4	859.4	1094.4	-202.7
460	ok	0.07	8.03e-02	1.03e-04	12.7	12.7	12.7	12.7	1.9	1.5	-0.6	676.5	1410.4	-151.3
461	ok	0.07	9.03e-02	2.29e-05	12.7	12.7	12.7	12.7	2.4	2.3	-0.6	551.3	1609.9	-98.8
462	ok	0.07	9.60e-02	2.76e-06	12.7	12.7	12.7	12.7	2.3	2.8	-0.4	476.1	1716.0	-56.5
463	ok	0.07	9.85e-02	0.0	12.7	12.7	12.7	12.7	2.3	3.2	-0.2	437.4	1763.2	-22.6
464	ok	0.07	9.89e-02	0.0	12.7	12.7	12.7	12.7	2.3	3.2	0.1	430.4	1770.2	8.1
465	ok	0.07	9.73e-02	0.0	12.7	12.7	12.7	12.7	2.3	2.9	0.4	454.0	1739.9	40.3
466	ok	0.07	9.29e-02	3.76e-05	12.7	12.7	12.7	12.7	2.4	2.5	0.4	511.0	1659.8	80.1
467	ok	0.07	8.45e-02	8.57e-05	12.7	12.7	12.7	12.7	1.9	1.8	0.4	614.3	1496.1	131.8
468	ok	0.07	7.18e-02	2.24e-04	12.7	12.7	12.7	12.7	0.3	1.6	0.3	775.5	1220.3	186.6
469	ok	0.07	6.40e-02	4.34e-04	12.7	12.7	12.7	12.7	-2.1	1.5	0.4	990.7	835.5	222.2
470	ok	0.07	7.44e-02	7.15e-04	12.7	12.7	12.7	12.7	-4.4	0.3	0.8	1256.2	336.1	276.8
471	ok	0.07	6.97e-02	1.33e-03	12.7	12.7	12.7	12.7	-3.3	1.6	-0.2	901.6	318.2	-559.8
472	ok	0.07	6.86e-02	6.68e-04	12.7	12.7	12.7	12.7	-4.2	6.9	1.6	760.2	738.3	-482.9
473	ok	0.07	7.67e-02	2.71e-04	12.7	12.7	12.7	12.7	0.1	2.9	-1.2	585.2	1139.5	-430.5
474	ok	0.07	8.71e-02	1.57e-04	12.7	12.7	12.7	12.7	2.2	2.9	-1.9	476.5	1478.3	-296.8
475	ok	0.07	9.49e-02	1.55e-05	12.7	12.7	12.7	12.7	2.1	3.6	-1.4	415.2	1670.7	-185.2
476	ok	0.07	9.91e-02	0.0	12.7	12.7	12.7	12.7	1.9	4.0	-0.9	382.4	1765.4	-101.9
477	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.8	4.1	-0.3	367.3	1802.5	-40.1
478	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.9	4.1	0.3	364.2	1808.3	14.6
479	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	2.0	4.0	0.8	372.6	1786.0	71.3
480	ok	0.07	9.69e-02	0.0	12.7	12.7	12.7	12.7	2.2	3.6	1.2	394.5	1718.3	146.1
481	ok	0.07	9.05e-02	5.47e-05	12.7	12.7	12.7	12.7	2.3	2.7	1.3	437.4	1567.8	251.0
482	ok	0.07	8.06e-02	2.21e-04	12.7	12.7	12.7	12.7	0.3	3.3	1.1	525.5	1278.2	388.7
483	ok	0.07	6.96e-02	5.17e-04	12.7	12.7	12.7	12.7	-3.4	6.0	-6.91e-02	678.2	859.9	469.3
484	ok	0.07	6.88e-02	1.08e-03	12.7	12.7	12.7	12.7	-4.2	2.7	0.8	888.5	316.6	546.9
485	ok	0.07	5.17e-02	4.58e-03	12.7	12.7	12.7	12.7	-18.1	-15.5	-13.5	-29.2	-335.8	-688.1
486	ok	0.07	7.75e-02	3.28e-03	12.7	12.7	12.7	12.7	2.1	35.7	17.9	262.6	1207.7	-416.7
487	ok	0.07	8.88e-02	6.44e-04	12.7	12.7	12.7	12.7	-2.0	13.0	-6.3	92.6	1329.5	-598.6
488	ok	0.07	9.39e-02	2.16e-04	12.7	12.7	12.7	12.7	1.1	6.7	-2.3	155.1	1594.8	-350.0
489	ok	0.07	0.1	1.11e-04	12.7	12.7	12.7	12.7	1.4	5.8	-1.8	209.9	1762.4	-206.2
490	ok	0.07	0.1	5.14e-05	12.7	12.7	12.7	12.7	1.3	5.5	-1.1	249.0	1831.8	-109.0
491	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.2	5.3	-0.4	268.8	1853.9	-42.2
492	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	5.3	0.2	274.9	1855.2	14.6
493	ok	0.07	0.1	2.71e-05	12.7	12.7	12.7	12.7	1.4	5.5	1.0	259.9	1845.2	74.5
494	ok	0.07	0.1	3.46e-05	12.7	12.7	12.7	12.7	1.8	5.5	1.6	233.0	1797.8	154.2
495	ok	0.07	9.71e-02	1.69e-04	12.7	12.7	12.7	12.7	2.3	5.5	2.1	178.7	1682.4	275.9
496	ok	0.07	9.11e-02	5.16e-04	12.7	12.7	12.7	12.7	-1.6	8.6	2.0	55.7	1464.7	497.3
497	ok	0.07	8.43e-02	2.09e-03	12.7	12.7	12.7	12.7	-1.9	35.8	-5.4	187.2	1291.1	485.5
498	ok	0.07	5.27e-02	5.42e-03	12.7	12.7	12.7	12.7	-8.4	-29.9	13.0	4.2	-368.4	704.2
499	ok	0.07	0.1	1.48e-02	12.7	12.7	12.7	12.7	28.6	-46.1	-29.1	-965.4	-1163.6	-1344.9
500	ok	0.07	0.1	1.47e-02	12.7	12.7	12.7	12.7	-35.1	-41.7	-59.0	-1473.7	-584.4	-1489.8
501	ok	0.07	8.92e-02	3.02e-03	12.7	12.7	12.7	12.7	-19.2	7.1	-4.7	-886.7	1367.6	-743.2
502	ok	0.07	0.1	3.23e-04	12.7	12.7	12.7	12.7	-7.21e-02	9.3	-2.7	-241.0	1746.1	-268.5
503	ok	0.07	0.1	1.40e-04	12.7	12.7	12.7	12.7	0.9	7.8	-1.5	-3.9	1854.6	-136.7
504	ok	0.07	0.1	7.79e-05	12.7	12.7	12.7	12.7	0.7	6.8	-0.7	126.7	1886.1	-65.8
505	ok	0.07	0.1	1.95e-05	12.7	12.7	12.7	12.7	0.7	6.4	-0.3	181.3	1893.6	-23.7
506	ok	0.07	0.1	1.24e-05	12.7	12.7	12.7	12.7	0.7	6.4	0.2	190.8	1893.4	8.6
507	ok	0.07	0.1	5.57e-05	12.7	12.7	12.7	12.7	0.8	6.8	0.7	158.9	1891.0	43.6
508	ok	0.07	0.1	1.13e-04	12.7	12.7	12.7	12.7	1.3	7.5	1.2	76.4	1869.9	97.5
509	ok	0.07	0.1	2.88e-04	12.7	12.7	12.7	12.7	-0.1	9.5	3.0	-126.3	1810.1	200.7
510	ok	0.07	9.49e-02	3.50e-03	12.7	12.7	12.7	12.7	-21.4	9.5	7.9	-718.8	1540.8	590.8
511	ok	0.07	0.1	1.27e-02	12.7	12.7	12.7	12.7	-33.4	45.1	8.52e-02	-1212.4	1567.8	744.8
512	ok	0.07	0.1	1.41e-02	12.7	12.7	12.7	12.7	25.8	-43.8	28.9	-982.5	-1113.4	1381.8
513	ok	0.07	8.63e-02	4.37e-04	12.7	12.7	12.7	12.7	-2.7	7.9	-0.2	-100.4	1485.6	294.3
514	ok	0.07	0.2	1.06e-02	12.7	12.7	12.7	12.7	39.0	-19.8	0.8	-2736.0	1395.3	-334.8
515	ok	0.07	0.1	1.97e-03	12.7	12.7	12.7	12.7	19.2	22.0	-25.9	-822.3	1863.1	-227.4
516	ok	0.07	0.1	1.08e-04	12.7	12.7	12.7	12.7	2.6	9.3	-0.5	-441.6	1806.5	60.2
517	ok	0.07	0.1	1.24e-04	12.7	12.7	12.7	12.7	0.8	8.3	1.98e-02	-119.8	1882.3	51.1
518	ok	0.07	0.1	8.41e-05	12.7	12.7	12.7	12.7	0.5	7.3	-1.61e-02	62.4	1899.3	35.2
519	ok	0.07	0.1	4.08e-05	12.7	12.7	12.7	12.7	0.4	6.8	-1.15e-03	136.5	1896.6	15.3
520	ok	0.07	0.1	3.13e-05	12.7	12.7	12.7	12.7	0.4	6.7	-9.19e-02	149.4	1894.9	-5.6
521	ok	0.07	0.1	5.95e-05	12.7	12.7	12.7	12.7	0.5	7.3	-0.1	106.0	1898.4	-25.5
522	ok	0.07	0.1	9.05e-05	12.7	12.7	12.7	12.7	0.9	8.4	-0.2	-25.0	1894.3	-42.7
523	ok	0.07	0.1	7.80e-05	12.7	12.7	12.7	12.7	2.5	9.9	0.2	-262.4	1854.2	-54.2
524	ok	0.07	0.1	1.24e-03	12.7	12.7	12.7	12.7	20.3	19.1	23.4	-522.7	1938.8	153.4



525	ok	0.07	0.1	7.04e-03	12.7	12.7	12.7	12.7	50.9	11.9	4.1	-1452.6	1988.0	330.1
526	ok	0.07	7.14e-02	1.68e-03	12.7	12.7	12.7	12.7	-2.3	33.9	-5.5	35.9	1192.6	250.3
527	ok	0.07	4.01e-02	5.02e-03	12.7	12.7	12.7	12.7	-7.5	-26.8	12.9	-157.6	-284.3	454.8
528	ok	0.07	0.1	1.19e-02	12.7	12.7	12.7	12.7	25.0	-38.8	-24.4	-1022.2	-1046.0	-835.3
529	ok	0.07	0.1	1.42e-02	12.7	12.7	12.7	12.7	-39.9	-42.2	-53.1	-1561.4	-610.1	-1258.2
530	ok	0.07	8.27e-02	3.63e-03	12.7	12.7	12.7	12.7	-22.1	4.8	-7.7	-920.3	1352.9	-513.7
531	ok	0.07	9.94e-02	2.43e-04	12.7	12.7	12.7	12.7	-0.5	7.7	-2.0	-237.3	1767.1	-90.2
532	ok	0.07	0.1	5.24e-05	12.7	12.7	12.7	12.7	1.2	6.7	-0.5	7.0	1900.7	-14.6
533	ok	0.07	0.1	2.45e-05	12.7	12.7	12.7	12.7	0.8	6.3	-0.3	118.7	1957.1	5.8
534	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.7	6.0	-4.70e-02	172.5	1973.3	4.5
535	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.8	6.0	0.2	181.7	1974.6	-4.7
536	ok	0.07	0.1	1.23e-05	12.7	12.7	12.7	12.7	0.9	6.2	0.5	149.2	1966.0	-10.9
537	ok	0.07	0.1	4.05e-05	12.7	12.7	12.7	12.7	1.4	6.7	0.8	66.8	1930.8	-2.8
538	ok	0.07	0.1	2.24e-04	12.7	12.7	12.7	12.7	-0.5	7.8	2.4	-131.8	1841.0	47.2
539	ok	0.07	0.2	1.85e-02	12.7	12.7	12.7	12.7	32.4	-66.7	35.9	-1653.6	-1716.6	1469.6
540	ok	0.07	0.2	1.84e-02	12.7	12.7	12.7	12.7	-59.9	-52.6	65.7	-2369.3	-893.3	1955.5
541	ok	0.07	9.55e-02	6.11e-03	12.7	12.7	12.7	12.7	-31.1	6.3	21.1	-1267.2	1381.2	955.8
542	ok	0.07	0.1	5.07e-04	12.7	12.7	12.7	12.7	-1.8	9.3	3.5	-356.0	1747.1	329.3
543	ok	0.07	0.1	1.45e-04	12.7	12.7	12.7	12.7	0.5	7.8	1.1	-53.5	1838.2	190.3
544	ok	0.07	0.1	9.10e-05	12.7	12.7	12.7	12.7	0.5	6.8	0.6	92.2	1862.2	107.7
545	ok	0.07	0.1	4.11e-05	12.7	12.7	12.7	12.7	0.6	6.3	0.2	159.0	1862.5	42.8
546	ok	0.07	0.1	3.14e-05	12.7	12.7	12.7	12.7	0.6	6.3	-0.2	170.3	1861.5	-15.4
547	ok	0.07	0.1	6.51e-05	12.7	12.7	12.7	12.7	0.7	6.7	-0.6	129.8	1863.3	-76.0
548	ok	0.07	0.1	1.08e-04	12.7	12.7	12.7	12.7	1.2	7.3	-1.0	23.8	1853.1	-148.6
549	ok	0.07	0.1	4.20e-04	12.7	12.7	12.7	12.7	-1.4	9.1	-3.8	-224.0	1802.3	-263.5
550	ok	0.07	9.84e-02	6.01e-03	12.7	12.7	12.7	12.7	-32.0	8.7	-19.6	-1039.0	1528.2	-768.3
551	ok	0.07	0.2	1.37e-02	12.7	12.7	12.7	12.7	-42.0	46.9	9.1	-1840.5	1605.3	-702.6
552	ok	0.07	0.2	1.83e-02	12.7	12.7	12.7	12.7	25.4	-66.6	-38.8	-1694.4	-1725.0	-1525.8
553	ok	0.07	8.50e-02	6.55e-03	12.7	12.7	12.7	12.7	-23.8	-32.9	14.4	-574.6	-617.3	910.1
554	ok	0.07	8.53e-02	3.44e-03	12.7	12.7	12.7	12.7	-7.3	9.8	1.8	-301.3	586.1	971.0
555	ok	0.07	9.43e-02	9.89e-04	12.7	12.7	12.7	12.7	-5.8	17.0	4.2	-233.4	1338.6	789.8
556	ok	0.07	9.64e-02	2.73e-04	12.7	12.7	12.7	12.7	0.8	7.5	2.3	-10.9	1582.8	483.5
557	ok	0.07	9.96e-02	1.46e-04	12.7	12.7	12.7	12.7	1.2	5.8	1.5	128.5	1718.1	303.5
558	ok	0.07	0.1	8.11e-05	12.7	12.7	12.7	12.7	1.1	5.4	1.0	204.7	1769.5	171.9
559	ok	0.07	0.1	2.32e-05	12.7	12.7	12.7	12.7	1.1	5.1	0.4	241.9	1782.9	67.8
560	ok	0.07	9.99e-02	0.0	12.7	12.7	12.7	12.7	1.1	5.0	-0.3	247.7	1784.1	-25.2
561	ok	0.07	0.1	5.10e-05	12.7	12.7	12.7	12.7	1.3	5.1	-0.9	223.3	1777.9	-122.8
562	ok	0.07	1.00e-01	1.07e-04	12.7	12.7	12.7	12.7	1.6	5.3	-1.5	161.9	1747.7	-240.8
563	ok	0.07	9.79e-02	1.99e-04	12.7	12.7	12.7	12.7	2.1	5.4	-1.8	49.1	1653.9	-400.4
564	ok	0.07	9.38e-02	6.17e-04	12.7	12.7	12.7	12.7	-3.9	10.0	0.6	-216.1	1452.3	-643.3
565	ok	0.07	9.25e-02	1.77e-03	12.7	12.7	12.7	12.7	-0.2	47.7	0.5	-76.8	1274.2	-735.7
566	ok	0.07	8.08e-02	7.41e-03	12.7	12.7	12.7	12.7	-7.9	-45.4	-12.6	-466.8	-599.2	-891.7
567	ok	0.07	7.87e-02	1.57e-03	12.7	12.7	12.7	12.7	-1.6	3.9	1.0	653.3	285.1	925.0
568	ok	0.07	7.90e-02	5.82e-04	12.7	12.7	12.7	12.7	-3.4	10.4	-0.6	552.3	693.8	789.1
569	ok	0.07	8.48e-02	3.25e-04	12.7	12.7	12.7	12.7	-0.4	3.9	1.6	424.9	1071.8	698.1
570	ok	0.07	9.00e-02	2.01e-04	12.7	12.7	12.7	12.7	1.6	3.3	2.0	371.9	1407.8	501.5
571	ok	0.07	9.30e-02	1.39e-04	12.7	12.7	12.7	12.7	1.7	3.5	1.6	360.9	1580.6	329.1
572	ok	0.07	9.41e-02	6.58e-05	12.7	12.7	12.7	12.7	1.7	3.6	1.0	360.2	1656.9	190.4
573	ok	0.07	9.43e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.6	0.4	360.5	1683.4	76.1
574	ok	0.07	9.43e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.5	-0.3	362.3	1685.7	-28.9
575	ok	0.07	9.42e-02	3.49e-05	12.7	12.7	12.7	12.7	1.8	3.5	-0.9	357.6	1671.7	-138.7
576	ok	0.07	9.35e-02	1.02e-04	12.7	12.7	12.7	12.7	1.9	3.2	-1.3	353.9	1618.7	-267.8
577	ok	0.07	9.12e-02	1.62e-04	12.7	12.7	12.7	12.7	1.7	2.8	-1.3	353.5	1486.7	-431.1
578	ok	0.07	8.67e-02	2.84e-04	12.7	12.7	12.7	12.7	-0.4	4.3	-1.5	389.3	1207.2	-631.0
579	ok	0.07	7.97e-02	5.93e-04	12.7	12.7	12.7	12.7	-3.3	8.6	-1.3	488.8	799.0	-766.2
580	ok	0.07	7.78e-02	1.17e-03	12.7	12.7	12.7	12.7	-2.4	5.3	-1.6	641.0	290.4	-912.9
581	ok	0.07	8.78e-02	6.88e-04	12.7	12.7	12.7	12.7	-3.4	0.9	0.6	1199.2	310.4	689.0
582	ok	0.07	8.07e-02	5.37e-04	12.7	12.7	12.7	12.7	-2.5	1.7	0.8	1045.0	625.0	576.3
583	ok	0.07	7.97e-02	3.34e-04	12.7	12.7	12.7	12.7	-0.3	1.3	1.1	842.8	993.9	505.1
584	ok	0.07	8.25e-02	2.11e-04	12.7	12.7	12.7	12.7	1.4	1.4	1.2	685.5	1283.7	392.4
585	ok	0.07	8.57e-02	1.32e-04	12.7	12.7	12.7	12.7	2.0	1.8	1.2	580.6	1459.5	270.5
586	ok	0.07	8.78e-02	5.53e-05	12.7	12.7	12.7	12.7	2.2	2.1	0.8	516.6	1549.7	160.6
587	ok	0.07	8.87e-02	0.0	12.7	12.7	12.7	12.7	2.2	2.2	0.4	484.0	1586.7	64.5
588	ok	0.07	8.89e-02	0.0	12.7	12.7	12.7	12.7	2.3	2.2	-0.2	479.7	1590.9	-25.4
589	ok	0.07	8.82e-02	7.19e-06	12.7	12.7	12.7	12.7	2.2	2.1	-0.6	497.2	1568.4	-119.0
590	ok	0.07	8.65e-02	9.68e-05	12.7	12.7	12.7	12.7	2.0	1.8	-0.8	545.8	1500.2	-224.7
591	ok	0.07	8.34e-02	1.73e-04	12.7	12.7	12.7	12.7	1.3	1.6	-0.9	632.3	1357.4	-345.2
592	ok	0.07	8.00e-02	3.04e-04	12.7	12.7	12.7	12.7	-0.3	1.8	-1.0	769.8	1107.9	-464.9
593	ok	0.07	7.89e-02	4.96e-04	12.7	12.7	12.7	12.7	-2.1	2.0	-1.3	956.9	754.2	-551.6
594	ok	0.07	8.70e-02	6.80e-04	12.7	12.7	12.7	12.7	-3.3	1.2	-1.3	1192.5	304.9	-681.1
595	ok	0.07	8.95e-02	6.87e-04	12.7	12.7	12.7	12.7	-4.3	-2.46e-02	0.3	1488.0	321.5	389.8
596	ok	0.07	8.03e-02	5.49e-04	12.7	12.7	12.7	12.7	-2.7	0.1	0.5	1318.7	619.3	318.8
597	ok	0.07	7.29e-02	3.51e-04	12.7	12.7	12.7	12.7	-0.3	0.2	0.7	1084.4	958.4	279.9
598	ok	0.07	7.40e-02	2.16e-04	12.7	12.7	12.7	12.7	1.2	0.5	0.7	884.4	1213.7	224.7
599	ok	0.07	7.90e-02	1.21e-04	12.7	12.7	12.7	12.7	2.1	0.8	0.6	732.6	1380.2	160.0
600	ok	0.07	8.28e-02	4.80e-05	12.7	12.7	12.7	12.7	2.5	1.1	0.5	631.3	1474.0	96.8



601	ok	0.07	8.46e-02	0.0	12.7	12.7	12.7	12.7	2.6	1.3	0.2	577.7	1516.0	39.1
602	ok	0.07	8.48e-02	0.0	12.7	12.7	12.7	12.7	2.6	1.3	-7.79e-02	568.0	1522.0	-16.3
603	ok	0.07	8.36e-02	4.52e-06	12.7	12.7	12.7	12.7	2.5	1.2	-0.3	602.0	1494.0	-72.7
604	ok	0.07	8.05e-02	9.57e-05	12.7	12.7	12.7	12.7	2.1	1.0	-0.5	682.8	1420.3	-134.4
605	ok	0.07	7.55e-02	1.81e-04	12.7	12.7	12.7	12.7	1.3	0.7	-0.5	814.1	1281.3	-199.7
606	ok	0.07	7.18e-02	3.11e-04	12.7	12.7	12.7	12.7	-0.1	0.6	-0.7	996.5	1059.0	-259.5
607	ok	0.07	7.62e-02	4.88e-04	12.7	12.7	12.7	12.7	-1.9	0.5	-0.7	1218.8	747.6	-303.7
608	ok	0.07	8.90e-02	6.82e-04	12.7	12.7	12.7	12.7	-4.1	8.73e-02	-0.5	1483.1	317.4	-383.4
609	ok	0.07	8.94e-02	7.16e-04	12.7	12.7	12.7	12.7	-4.6	-0.1	0.1	1600.4	326.7	61.0
610	ok	0.07	7.94e-02	5.67e-04	12.7	12.7	12.7	12.7	-2.8	-0.2	0.3	1422.4	618.5	49.0
611	ok	0.07	6.60e-02	3.51e-04	12.7	12.7	12.7	12.7	-0.4	-0.3	0.3	1176.7	946.8	42.7
612	ok	0.07	6.65e-02	2.02e-04	12.7	12.7	12.7	12.7	1.2	8.08e-02	0.2	965.0	1188.1	34.9
613	ok	0.07	7.52e-02	1.05e-04	12.7	12.7	12.7	12.7	2.1	0.4	0.1	797.4	1348.5	25.6
614	ok	0.07	8.04e-02	3.29e-05	12.7	12.7	12.7	12.7	2.6	0.8	8.41e-02	682.5	1442.0	15.7
615	ok	0.07	8.28e-02	4.59e-06	12.7	12.7	12.7	12.7	2.7	0.9	8.75e-02	620.4	1485.3	6.3
616	ok	0.07	8.31e-02	0.0	12.7	12.7	12.7	12.7	2.7	1.0	-7.36e-03	609.4	1491.6	-3.1
617	ok	0.07	8.15e-02	2.17e-05	12.7	12.7	12.7	12.7	2.6	0.9	-7.72e-03	649.4	1462.4	-12.2
618	ok	0.07	7.73e-02	7.94e-05	12.7	12.7	12.7	12.7	2.2	0.6	-8.09e-02	742.1	1388.1	-21.7
619	ok	0.07	6.99e-02	1.70e-04	12.7	12.7	12.7	12.7	1.3	0.4	-0.2	888.9	1253.0	-31.0
620	ok	0.07	6.17e-02	3.06e-04	12.7	12.7	12.7	12.7	-8.44e-02	0.2	-0.3	1085.4	1042.2	-38.6
621	ok	0.07	7.37e-02	4.91e-04	12.7	12.7	12.7	12.7	-2.0	6.82e-02	-0.3	1318.7	745.5	-44.2
622	ok	0.07	8.90e-02	7.08e-04	12.7	12.7	12.7	12.7	-4.4	-1.82e-02	-0.2	1595.3	322.6	-58.3
623	ok	0.07	8.99e-02	7.37e-04	12.7	12.7	12.7	12.7	-4.6	-8.35e-02	0.1	1551.7	324.7	-280.7
624	ok	0.07	8.04e-02	5.81e-04	12.7	12.7	12.7	12.7	-2.8	-0.1	-2.13e-02	1377.8	620.5	-229.5
625	ok	0.07	7.05e-02	3.47e-04	12.7	12.7	12.7	12.7	-0.3	-2.98e-02	-0.2	1137.7	954.4	-200.8
626	ok	0.07	7.11e-02	1.80e-04	12.7	12.7	12.7	12.7	1.3	0.2	-0.4	930.5	1202.5	-161.3
627	ok	0.07	7.72e-02	8.60e-05	12.7	12.7	12.7	12.7	2.2	0.7	-0.4	770.2	1365.1	-115.1
628	ok	0.07	8.16e-02	7.99e-06	12.7	12.7	12.7	12.7	2.5	1.0	-0.3	661.4	1458.2	-70.1
629	ok	0.07	8.37e-02	0.0	12.7	12.7	12.7	12.7	2.6	1.2	-0.2	603.0	1500.8	-28.7
630	ok	0.07	8.40e-02	0.0	12.7	12.7	12.7	12.7	2.6	1.3	0.1	592.6	1507.1	11.2
631	ok	0.07	8.26e-02	3.96e-06	12.7	12.7	12.7	12.7	2.5	1.1	0.3	629.9	1478.9	52.0
632	ok	0.07	7.90e-02	4.34e-05	12.7	12.7	12.7	12.7	2.2	0.8	0.4	717.1	1405.6	96.7
633	ok	0.07	7.33e-02	1.43e-04	12.7	12.7	12.7	12.7	1.4	0.6	0.3	856.5	1269.4	144.3
634	ok	0.07	6.89e-02	2.98e-04	12.7	12.7	12.7	12.7	1.38e-02	0.4	0.2	1046.5	1053.0	188.1
635	ok	0.07	7.55e-02	5.02e-04	12.7	12.7	12.7	12.7	-2.0	0.2	0.1	1275.2	748.2	220.3
636	ok	0.07	8.95e-02	7.29e-04	12.7	12.7	12.7	12.7	-4.4	2.85e-02	1.84e-02	1546.0	320.4	278.0
637	ok	0.07	8.96e-02	7.61e-04	12.7	12.7	12.7	12.7	-4.0	0.4	-7.06e-04	1338.0	317.4	-588.9
638	ok	0.07	8.16e-02	5.90e-04	12.7	12.7	12.7	12.7	-2.7	0.9	-7.30e-02	1173.8	627.8	-493.2
639	ok	0.07	7.82e-02	3.38e-04	12.7	12.7	12.7	12.7	-4.48e-02	0.7	-0.6	956.3	985.4	-433.1
640	ok	0.07	8.00e-02	1.83e-04	12.7	12.7	12.7	12.7	1.6	1.0	-1.0	779.9	1259.5	-339.4
641	ok	0.07	8.35e-02	9.51e-05	12.7	12.7	12.7	12.7	2.2	1.6	-1.1	653.6	1429.4	-237.0
642	ok	0.07	8.60e-02	2.62e-05	12.7	12.7	12.7	12.7	2.3	2.0	-0.7	572.0	1520.4	-142.4
643	ok	0.07	8.72e-02	0.0	12.7	12.7	12.7	12.7	2.3	2.1	-0.3	529.4	1559.6	-57.8
644	ok	0.07	8.74e-02	0.0	12.7	12.7	12.7	12.7	2.3	2.2	0.2	523.0	1564.5	22.1
645	ok	0.07	8.66e-02	0.0	12.7	12.7	12.7	12.7	2.3	2.0	0.6	548.0	1540.7	105.0
646	ok	0.07	8.45e-02	2.02e-05	12.7	12.7	12.7	12.7	2.2	1.6	0.9	611.4	1471.7	197.2
647	ok	0.07	8.11e-02	1.43e-04	12.7	12.7	12.7	12.7	1.7	1.2	0.8	717.7	1332.7	300.4
648	ok	0.07	7.81e-02	2.90e-04	12.7	12.7	12.7	12.7	0.2	1.2	0.6	875.0	1095.1	401.7
649	ok	0.07	7.90e-02	5.15e-04	12.7	12.7	12.7	12.7	-2.1	1.3	0.5	1078.9	756.4	474.6
650	ok	0.07	8.90e-02	7.55e-04	12.7	12.7	12.7	12.7	-4.0	0.7	0.6	1329.7	311.4	584.0
651	ok	0.07	8.39e-02	1.23e-03	12.7	12.7	12.7	12.7	-2.9	1.7	0.1	897.4	294.4	-848.9
652	ok	0.07	8.09e-02	6.87e-04	12.7	12.7	12.7	12.7	-3.9	6.9	1.7	769.8	687.1	-722.5
653	ok	0.07	8.46e-02	3.10e-04	12.7	12.7	12.7	12.7	0.3	2.7	-1.3	611.9	1056.8	-643.5
654	ok	0.07	8.82e-02	1.92e-04	12.7	12.7	12.7	12.7	2.1	2.8	-2.1	515.5	1366.2	-474.3
655	ok	0.07	9.08e-02	1.17e-04	12.7	12.7	12.7	12.7	1.9	3.3	-1.7	460.5	1537.4	-319.7
656	ok	0.07	9.21e-02	3.80e-05	12.7	12.7	12.7	12.7	1.8	3.5	-1.1	429.8	1619.5	-188.2
657	ok	0.07	9.25e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.5	-0.4	414.9	1650.9	-75.7
658	ok	0.07	9.25e-02	0.0	12.7	12.7	12.7	12.7	1.8	3.5	0.3	414.2	1654.2	28.6
659	ok	0.07	9.23e-02	1.98e-05	12.7	12.7	12.7	12.7	1.9	3.5	0.9	420.5	1637.3	137.1
660	ok	0.07	9.14e-02	7.71e-05	12.7	12.7	12.7	12.7	2.1	3.2	1.4	441.3	1579.5	261.1
661	ok	0.07	8.93e-02	1.48e-04	12.7	12.7	12.7	12.7	2.3	2.5	1.6	479.6	1447.4	411.6
662	ok	0.07	8.59e-02	2.72e-04	12.7	12.7	12.7	12.7	0.5	3.2	1.3	557.5	1185.5	588.3
663	ok	0.07	8.10e-02	5.64e-04	12.7	12.7	12.7	12.7	-3.0	6.1	-7.50e-02	693.8	800.7	702.7
664	ok	0.07	8.29e-02	9.97e-04	12.7	12.7	12.7	12.7	-3.8	3.0	0.5	882.7	295.1	837.2
665	ok	0.07	6.49e-02	4.38e-03	12.7	12.7	12.7	12.7	-17.2	-17.8	-11.6	-59.5	-398.2	-886.4
666	ok	0.07	8.49e-02	3.35e-03	12.7	12.7	12.7	12.7	3.4	35.2	17.2	250.4	1173.0	-643.1
667	ok	0.07	9.49e-02	6.72e-04	12.7	12.7	12.7	12.7	-1.5	13.7	-6.6	91.4	1279.6	-796.3
668	ok	0.07	9.51e-02	2.32e-04	12.7	12.7	12.7	12.7	1.2	6.9	-2.5	163.4	1520.3	-517.6
669	ok	0.07	9.79e-02	1.42e-04	12.7	12.7	12.7	12.7	1.3	5.7	-1.8	222.7	1675.2	-335.0
670	ok	0.07	9.86e-02	6.83e-05	12.7	12.7	12.7	12.7	1.1	5.3	-1.1	264.8	1737.6	-192.6
671	ok	0.07	9.85e-02	1.05e-05	12.7	12.7	12.7	12.7	1.1	5.0	-0.4	289.1	1755.0	-75.6
672	ok	0.07	9.84e-02	3.57e-06	12.7	12.7	12.7	12.7	1.1	5.0	0.3	292.8	1757.4	28.8
673	ok	0.07	9.86e-02	3.99e-05	12.7	12.7	12.7	12.7	1.2	5.2	1.0	277.0	1749.4	138.6
674	ok	0.07	9.84e-02	9.90e-05	12.7	12.7	12.7	12.7	1.5	5.6	1.7	242.6	1710.7	267.0
675	ok	0.07	9.66e-02	1.71e-04	12.7	12.7	12.7	12.7	2.2	5.6	2.1	188.2	1603.0	427.8
676	ok	0.07	9.50e-02	5.37e-04	12.7	12.7	12.7	12.7	-1.1	9.2	2.2	60.0	1405.6	683.0



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677	ok	0.07	9.25e-02	2.02e-03	12.7	12.7	12.7	12.7	-0.8	36.8	-4.3	182.6	1266.4	711.3
678	ok	0.07	6.59e-02	5.56e-03	12.7	12.7	12.7	12.7	-7.7	-32.5	11.3	-27.1	-433.2	902.9
679	ok	0.07	0.2	1.59e-02	12.7	12.7	12.7	12.7	29.9	-51.0	-30.9	-991.9	-1250.8	-1632.9
680	ok	0.07	0.2	1.42e-02	12.7	12.7	12.7	12.7	-33.8	-39.6	-57.4	-1479.1	-575.0	-1686.7
681	ok	0.07	9.56e-02	2.68e-03	12.7	12.7	12.7	12.7	-16.1	8.4	-6.5	-856.1	1344.0	-955.6
682	ok	0.07	0.1	3.41e-04	12.7	12.7	12.7	12.7	0.2	9.6	-2.6	-243.8	1707.5	-433.3
683	ok	0.07	0.1	1.51e-04	12.7	12.7	12.7	12.7	0.8	7.8	-1.3	-7.9	1814.1	-261.9
684	ok	0.07	0.1	9.52e-05	12.7	12.7	12.7	12.7	0.6	6.7	-0.7	124.5	1844.2	-147.1
685	ok	0.07	0.1	5.36e-05	12.7	12.7	12.7	12.7	0.6	6.3	-0.3	180.7	1850.8	-57.8
686	ok	0.07	0.1	4.07e-05	12.7	12.7	12.7	12.7	0.6	6.3	0.2	190.7	1850.7	22.6
687	ok	0.07	0.1	6.31e-05	12.7	12.7	12.7	12.7	0.7	6.7	0.6	157.9	1848.5	106.1
688	ok	0.07	0.1	1.18e-04	12.7	12.7	12.7	12.7	1.1	7.5	1.0	73.4	1828.7	205.2
689	ok	0.07	0.1	3.09e-04	12.7	12.7	12.7	12.7	0.1	9.8	2.8	-127.0	1771.3	350.3
690	ok	0.07	9.98e-02	3.24e-03	12.7	12.7	12.7	12.7	-18.8	10.6	9.3	-690.9	1519.0	786.7
691	ok	0.07	0.1	1.21e-02	12.7	12.7	12.7	12.7	-31.9	46.4	-0.4	-1209.9	1557.1	943.2
692	ok	0.07	0.2	1.54e-02	12.7	12.7	12.7	12.7	25.1	-49.3	31.6	-1029.8	-1232.3	1674.1
693	ok	0.07	0.1	1.19e-02	12.7	12.7	12.7	12.7	-33.9	38.4	-3.5	-1294.7	1447.7	442.0
694	ok	0.07	0.2	1.07e-02	12.7	12.7	12.7	12.7	39.9	-14.9	-8.9	-2717.9	1623.7	37.0
695	ok	0.07	0.1	1.63e-03	12.7	12.7	12.7	12.7	26.3	21.1	-22.9	-741.2	1866.1	-377.8
696	ok	0.07	0.1	1.64e-04	12.7	12.7	12.7	12.7	2.8	9.1	-3.99e-02	-457.2	1815.8	-101.2
697	ok	0.07	0.1	1.63e-04	12.7	12.7	12.7	12.7	0.9	8.1	0.2	-133.8	1899.3	-71.4
698	ok	0.07	0.1	1.07e-04	12.7	12.7	12.7	12.7	0.5	7.3	5.07e-02	50.4	1920.6	-44.6
699	ok	0.07	0.1	7.15e-05	12.7	12.7	12.7	12.7	0.4	6.7	-7.32e-03	125.2	1919.9	-18.1
700	ok	0.07	0.1	5.90e-05	12.7	12.7	12.7	12.7	0.4	6.7	-0.1	138.3	1918.6	9.0
701	ok	0.07	0.1	8.43e-05	12.7	12.7	12.7	12.7	0.5	7.2	-0.2	94.4	1920.6	36.2
702	ok	0.07	0.1	1.31e-04	12.7	12.7	12.7	12.7	0.9	8.2	-0.4	-38.2	1913.1	63.1
703	ok	0.07	0.1	1.35e-04	12.7	12.7	12.7	12.7	2.7	9.6	-0.2	-276.5	1866.9	92.7
704	ok	0.07	0.1	9.20e-04	12.7	12.7	12.7	12.7	25.9	18.7	20.9	-450.6	1951.6	299.3
705	ok	0.07	0.1	7.23e-03	12.7	12.7	12.7	12.7	36.3	7.0	-5.5	-1687.5	1918.5	383.0
706	ok	0.07	0.1	1.12e-02	12.7	12.7	12.7	12.7	23.1	-36.7	24.2	-1022.9	-991.1	870.4
707	ok	0.07	0.1	8.67e-03	12.7	12.7	12.7	12.7	24.5	-15.0	-0.3	-2472.6	1326.0	-143.9
708	ok	0.07	0.1	1.26e-03	12.7	12.7	12.7	12.7	27.8	11.2	12.4	-548.0	1737.2	349.0
709	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	2.4	7.9	2.77e-02	-292.3	1787.1	166.1
710	ok	0.07	0.1	3.36e-05	12.7	12.7	12.7	12.7	0.9	7.2	-3.66e-02	-20.2	1896.0	121.3
711	ok	0.07	0.1	2.16e-05	12.7	12.7	12.7	12.7	0.6	6.6	6.70e-02	123.7	1937.6	77.5
712	ok	0.07	0.1	3.12e-06	12.7	12.7	12.7	12.7	0.6	6.2	9.53e-02	186.9	1945.9	32.0
713	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.6	6.2	2.62e-02	197.9	1946.0	-14.4
714	ok	0.07	0.1	6.30e-06	12.7	12.7	12.7	12.7	0.7	6.6	5.99e-03	161.1	1942.1	-60.2
715	ok	0.07	0.1	1.50e-05	12.7	12.7	12.7	12.7	1.1	7.5	-0.1	65.2	1919.5	-105.2
716	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	2.4	8.5	-9.78e-02	-139.0	1847.8	-149.3
717	ok	0.07	0.1	7.44e-04	12.7	12.7	12.7	12.7	8.0	6.8	-2.4	-534.3	1684.3	-222.9
718	ok	0.07	0.1	6.12e-03	12.7	12.7	12.7	12.7	25.8	2.8	8.6	-1560.4	1732.1	-267.4
719	ok	0.07	0.2	1.64e-02	12.7	12.7	12.7	12.7	31.3	-57.9	33.1	-1652.1	-1575.5	1131.0
720	ok	0.07	0.2	1.88e-02	12.7	12.7	12.7	12.7	-60.8	-55.0	66.7	-2397.3	-935.8	1760.8
721	ok	0.07	8.85e-02	6.12e-03	12.7	12.7	12.7	12.7	-32.7	3.8	18.7	-1325.0	1382.2	743.4
722	ok	0.07	0.1	5.51e-04	12.7	12.7	12.7	12.7	-2.0	8.7	3.4	-382.4	1788.9	165.9
723	ok	0.07	0.1	1.87e-04	12.7	12.7	12.7	12.7	0.5	7.6	1.2	-72.8	1893.9	67.2
724	ok	0.07	0.1	1.02e-04	12.7	12.7	12.7	12.7	0.6	6.8	0.6	74.3	1925.8	28.0
725	ok	0.07	0.1	6.38e-05	12.7	12.7	12.7	12.7	0.6	6.4	0.1	141.6	1929.9	9.4
726	ok	0.07	0.1	5.14e-05	12.7	12.7	12.7	12.7	0.6	6.3	-0.3	152.5	1929.1	-1.7
727	ok	0.07	0.1	8.48e-05	12.7	12.7	12.7	12.7	0.7	6.6	-0.7	111.8	1928.7	-14.5
728	ok	0.07	0.1	1.52e-04	12.7	12.7	12.7	12.7	1.4	7.1	-1.1	5.4	1912.3	-42.6
729	ok	0.07	0.1	4.71e-04	12.7	12.7	12.7	12.7	-1.6	8.5	-3.7	-250.4	1849.4	-115.1
730	ok	0.07	9.50e-02	6.06e-03	12.7	12.7	12.7	12.7	-33.3	6.3	-18.0	-1096.8	1536.4	-576.4
731	ok	0.07	0.2	1.45e-02	12.7	12.7	12.7	12.7	-44.9	45.3	9.1	-1903.0	1581.7	-504.4
732	ok	0.07	0.2	1.59e-02	12.7	12.7	12.7	12.7	27.0	-56.9	-34.6	-1664.9	-1548.3	-1182.8
733	ok	0.07	7.13e-02	6.50e-03	12.7	12.7	12.7	12.7	-24.4	-27.8	17.0	-550.9	-513.6	715.3
734	ok	0.07	7.99e-02	3.37e-03	12.7	12.7	12.7	12.7	-8.5	9.6	1.6	-301.0	593.8	746.0
735	ok	0.07	8.89e-02	1.04e-03	12.7	12.7	12.7	12.7	-6.3	16.0	3.5	-251.3	1377.2	596.8
736	ok	0.07	9.65e-02	2.77e-04	12.7	12.7	12.7	12.7	0.9	6.9	1.8	-36.3	1662.8	320.3
737	ok	0.07	0.1	1.53e-04	12.7	12.7	12.7	12.7	1.4	5.7	1.3	102.4	1821.2	178.3
738	ok	0.07	0.1	8.44e-05	12.7	12.7	12.7	12.7	1.2	5.5	0.8	177.8	1885.6	91.0
739	ok	0.07	0.1	3.60e-05	12.7	12.7	12.7	12.7	1.1	5.3	0.3	214.9	1905.2	34.0
740	ok	0.07	0.1	2.21e-05	12.7	12.7	12.7	12.7	1.1	5.3	-0.2	220.4	1906.8	-11.5
741	ok	0.07	0.1	6.41e-05	12.7	12.7	12.7	12.7	1.3	5.3	-0.8	195.9	1897.0	-60.7
742	ok	0.07	0.1	1.16e-04	12.7	12.7	12.7	12.7	1.7	5.3	-1.3	134.4	1856.3	-133.2
743	ok	0.07	9.97e-02	2.13e-04	12.7	12.7	12.7	12.7	2.2	5.0	-1.4	23.1	1743.3	-252.6
744	ok	0.07	9.10e-02	7.27e-04	12.7	12.7	12.7	12.7	-4.7	9.3	1.2	-243.5	1507.1	-462.7
745	ok	0.07	8.34e-02	1.91e-03	12.7	12.7	12.7	12.7	-1.9	45.5	2.8	-92.4	1260.7	-494.5
746	ok	0.07	6.73e-02	6.98e-03	12.7	12.7	12.7	12.7	-8.7	-40.4	-15.0	-450.2	-509.7	-695.5
747	ok	0.07	6.27e-02	1.60e-03	12.7	12.7	12.7	12.7	-1.8	3.6	1.3	650.9	298.7	624.9
748	ok	0.07	6.62e-02	6.33e-04	12.7	12.7	12.7	12.7	-3.8	10.2	-0.8	537.5	733.8	540.5
749	ok	0.07	7.76e-02	3.64e-04	12.7	12.7	12.7	12.7	-0.7	4.1	1.1	394.1	1152.4	484.4
750	ok	0.07	9.02e-02	1.72e-04	12.7	12.7	12.7	12.7	1.7	3.4	1.4	329.4	1529.7	327.8
751	ok	0.07	9.84e-02	1.31e-04	12.7	12.7	12.7	12.7	1.8	3.9	1.1	314.8	1732.4	199.8
752	ok	0.07	0.1	6.23e-05	12.7	12.7	12.7	12.7	1.6	4.1	0.7	315.1	1825.7	108.5



753	ok	0.07	0.1	9.52e-06	12.7	12.7	12.7	12.7	1.5	4.2	0.3	317.3	1859.8	42.5
754	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.6	4.2	-0.2	316.8	1864.8	-15.8
755	ok	0.07	0.1	4.03e-05	12.7	12.7	12.7	12.7	1.7	4.0	-0.6	313.0	1844.2	-76.4
756	ok	0.07	0.1	9.42e-05	12.7	12.7	12.7	12.7	1.8	3.6	-0.8	307.4	1777.7	-157.8
757	ok	0.07	9.36e-02	1.64e-04	12.7	12.7	12.7	12.7	1.7	3.0	-0.6	308.2	1620.1	-275.5
758	ok	0.07	8.21e-02	3.16e-04	12.7	12.7	12.7	12.7	-0.8	4.3	-0.8	352.5	1301.1	-433.2
759	ok	0.07	6.82e-02	6.31e-04	12.7	12.7	12.7	12.7	-3.7	8.3	-1.0	469.0	848.2	-527.1
760	ok	0.07	6.19e-02	1.20e-03	12.7	12.7	12.7	12.7	-2.6	4.7	-2.0	639.6	301.6	-611.5
761	ok	0.07	7.08e-02	7.15e-04	12.7	12.7	12.7	12.7	-3.3	0.9	0.6	1125.8	336.4	363.8
762	ok	0.07	6.50e-02	5.56e-04	12.7	12.7	12.7	12.7	-2.4	1.9	0.6	963.0	687.4	311.6
763	ok	0.07	7.02e-02	3.28e-04	12.7	12.7	12.7	12.7	-9.96e-02	1.8	0.5	751.1	1109.8	273.8
764	ok	0.07	8.37e-02	1.80e-04	12.7	12.7	12.7	12.7	1.5	2.1	0.5	592.5	1451.6	209.4
765	ok	0.07	9.37e-02	1.03e-04	12.7	12.7	12.7	12.7	1.9	2.7	0.4	494.8	1662.6	140.2
766	ok	0.07	9.92e-02	4.17e-05	12.7	12.7	12.7	12.7	1.9	3.2	0.3	441.3	1771.0	81.1
767	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.8	3.3	0.2	416.7	1815.1	32.5
768	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.8	3.3	-7.02e-02	411.7	1821.4	-12.7
769	ok	0.07	0.1	2.39e-05	12.7	12.7	12.7	12.7	1.9	3.1	-0.2	425.6	1793.1	-59.4
770	ok	0.07	9.61e-02	7.31e-05	12.7	12.7	12.7	12.7	1.8	2.7	-0.2	464.1	1711.3	-115.6
771	ok	0.07	8.77e-02	1.56e-04	12.7	12.7	12.7	12.7	1.3	2.4	-0.1	541.6	1539.8	-183.5
772	ok	0.07	7.47e-02	2.98e-04	12.7	12.7	12.7	12.7	-0.2	2.4	-0.3	677.3	1243.4	-251.9
773	ok	0.07	6.40e-02	5.11e-04	12.7	12.7	12.7	12.7	-2.0	2.3	-0.9	871.1	832.9	-295.4
774	ok	0.07	7.01e-02	7.01e-04	12.7	12.7	12.7	12.7	-3.1	1.2	-1.3	1120.3	330.5	-355.2
775	ok	0.07	7.09e-02	6.90e-04	12.7	12.7	12.7	12.7	-3.7	0.6	-3.81e-02	1268.9	347.2	49.9
776	ok	0.07	6.15e-02	5.22e-04	12.7	12.7	12.7	12.7	-2.1	0.6	-7.92e-02	1098.2	686.5	40.8
777	ok	0.07	6.24e-02	3.01e-04	12.7	12.7	12.7	12.7	0.1	1.0	-0.2	873.3	1111.7	42.9
778	ok	0.07	8.01e-02	1.62e-04	12.7	12.7	12.7	12.7	1.3	1.7	-0.3	702.5	1433.7	47.9
779	ok	0.07	9.14e-02	7.60e-05	12.7	12.7	12.7	12.7	1.8	2.4	-0.3	585.7	1636.5	43.5
780	ok	0.07	9.74e-02	2.03e-05	12.7	12.7	12.7	12.7	1.9	2.8	-0.1	516.3	1744.4	30.4
781	ok	0.07	1.00e-01	0.0	12.7	12.7	12.7	12.7	1.9	3.0	-4.10e-02	481.8	1790.3	13.2
782	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.9	3.0	9.24e-02	475.7	1796.3	-5.4
783	ok	0.07	9.86e-02	9.16e-06	12.7	12.7	12.7	12.7	1.8	2.9	0.2	496.7	1766.1	-23.8
784	ok	0.07	9.40e-02	5.54e-05	12.7	12.7	12.7	12.7	1.7	2.6	0.4	550.0	1683.5	-39.6
785	ok	0.07	8.48e-02	1.43e-04	12.7	12.7	12.7	12.7	1.2	2.0	0.4	647.0	1517.5	-47.6
786	ok	0.07	6.94e-02	2.75e-04	12.7	12.7	12.7	12.7	9.70e-02	1.6	0.3	796.2	1240.7	-44.4
787	ok	0.07	5.63e-02	4.56e-04	12.7	12.7	12.7	12.7	-1.5	1.0	1.18e-02	998.5	847.6	-35.5
788	ok	0.07	7.07e-02	6.69e-04	12.7	12.7	12.7	12.7	-3.4	0.8	-0.1	1265.2	343.4	-41.9
789	ok	0.07	6.62e-02	9.25e-04	12.7	12.7	12.7	12.7	-2.9	2.7	-0.5	1110.2	348.0	-255.8
790	ok	0.07	6.19e-02	5.27e-04	12.7	12.7	12.7	12.7	-2.0	5.1	-0.6	968.2	725.9	-234.8
791	ok	0.07	6.80e-02	2.81e-04	12.7	12.7	12.7	12.7	0.3	2.1	-1.3	779.1	1136.5	-188.4
792	ok	0.07	8.28e-02	1.52e-04	12.7	12.7	12.7	12.7	1.4	2.5	-1.4	654.8	1469.5	-106.6
793	ok	0.07	9.27e-02	7.30e-05	12.7	12.7	12.7	12.7	1.5	2.9	-1.0	578.1	1657.1	-51.3
794	ok	0.07	9.78e-02	1.26e-05	12.7	12.7	12.7	12.7	1.6	3.1	-0.5	528.8	1751.9	-21.8
795	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.6	3.2	-0.2	502.5	1790.7	-7.5
796	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.6	3.2	0.2	497.7	1795.8	3.0
797	ok	0.07	9.88e-02	1.67e-06	12.7	12.7	12.7	12.7	1.5	3.1	0.5	514.7	1768.9	15.0
798	ok	0.07	9.49e-02	5.65e-05	12.7	12.7	12.7	12.7	1.4	3.1	0.9	553.3	1698.5	36.5
799	ok	0.07	8.69e-02	1.35e-04	12.7	12.7	12.7	12.7	1.2	2.7	1.2	616.8	1550.3	81.7
800	ok	0.07	7.37e-02	2.87e-04	12.7	12.7	12.7	12.7	0.5	3.0	1.6	721.7	1276.6	160.1
801	ok	0.07	6.16e-02	4.54e-04	12.7	12.7	12.7	12.7	-1.3	4.7	1.3	882.7	870.7	226.9
802	ok	0.07	6.62e-02	6.74e-04	12.7	12.7	12.7	12.7	-2.9	3.4	0.4	1104.9	351.8	262.0
803	ok	0.07	5.01e-02	3.61e-03	12.7	12.7	12.7	12.7	-9.4	16.7	3.3	526.6	516.4	-318.8
804	ok	0.07	6.44e-02	1.31e-03	12.7	12.7	12.7	12.7	5.8	23.0	4.6	685.2	940.4	-303.3
805	ok	0.07	7.81e-02	5.99e-04	12.7	12.7	12.7	12.7	-2.7	8.0	-2.0	440.6	1275.0	-334.5
806	ok	0.07	8.85e-02	1.87e-04	12.7	12.7	12.7	12.7	1.0	4.3	-1.8	511.4	1547.0	-179.0
807	ok	0.07	9.59e-02	9.88e-05	12.7	12.7	12.7	12.7	1.0	4.1	-1.1	510.1	1704.4	-99.2
808	ok	0.07	9.97e-02	3.14e-05	12.7	12.7	12.7	12.7	1.2	3.9	-0.6	495.6	1782.4	-52.0
809	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	3.6	-0.2	485.8	1812.0	-19.9
810	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	3.6	0.2	483.9	1815.7	8.3
811	ok	0.07	0.1	2.93e-05	12.7	12.7	12.7	12.7	1.1	3.8	0.5	490.8	1795.7	36.9
812	ok	0.07	9.75e-02	7.79e-05	12.7	12.7	12.7	12.7	0.9	4.1	0.9	505.1	1737.7	76.3
813	ok	0.07	9.16e-02	1.96e-04	12.7	12.7	12.7	12.7	0.9	4.3	1.6	510.8	1618.0	141.2
814	ok	0.07	8.19e-02	4.31e-04	12.7	12.7	12.7	12.7	1.3	3.1	2.2	493.1	1373.1	265.6
815	ok	0.07	7.42e-02	8.89e-04	12.7	12.7	12.7	12.7	2.0	23.7	4.4	591.4	1075.8	403.0
816	ok	0.07	5.08e-02	4.03e-03	12.7	12.7	12.7	12.7	-5.7	21.3	-6.5	562.2	580.7	309.1
817	ok	0.07	8.73e-02	1.23e-02	12.7	12.7	12.7	12.7	10.7	-39.7	-17.8	-451.6	-1006.0	-773.0
818	ok	0.07	0.1	7.78e-03	12.7	12.7	12.7	12.7	-19.6	29.9	0.7	-469.7	1078.2	-538.2
819	ok	0.07	8.19e-02	3.81e-03	12.7	12.7	12.7	12.7	11.9	2.4	-1.6	330.4	1331.2	-274.8
820	ok	0.07	9.24e-02	5.01e-04	12.7	12.7	12.7	12.7	0.6	6.0	-0.7	365.6	1621.7	-164.1
821	ok	0.07	9.88e-02	1.37e-04	12.7	12.7	12.7	12.7	0.3	5.6	-0.8	422.8	1758.0	-102.3
822	ok	0.07	0.1	5.48e-05	12.7	12.7	12.7	12.7	0.9	4.5	-0.3	446.3	1819.5	-58.6
823	ok	0.07	0.1	1.07e-06	12.7	12.7	12.7	12.7	1.1	4.1	-9.42e-02	450.3	1843.2	-22.9
824	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.1	4.0	8.08e-02	450.4	1845.3	9.9
825	ok	0.07	0.1	3.45e-05	12.7	12.7	12.7	12.7	0.9	4.4	0.2	448.9	1829.5	43.6
826	ok	0.07	0.1	1.11e-04	12.7	12.7	12.7	12.7	0.5	4.9	0.4	437.2	1782.5	83.4
827	ok	0.07	9.51e-02	4.10e-04	12.7	12.7	12.7	12.7	0.7	5.9	0.8	404.7	1680.1	136.9
828	ok	0.07	8.63e-02	3.27e-03	12.7	12.7	12.7	12.7	10.0	4.4	3.2	424.6	1467.4	237.9



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829	ok	0.07	9.33e-02	4.66e-03	12.7	12.7	12.7	12.7	-13.6	19.6	-3.6	-311.8	1256.9	345.8
830	ok	0.07	9.10e-02	1.22e-02	12.7	12.7	12.7	12.7	5.1	-41.3	20.6	-493.0	-1049.1	798.4
831	ok	0.07	8.62e-02	3.94e-03	12.7	12.7	12.7	12.7	46.2	5.3	17.8	-511.4	1220.0	-492.6
832	ok	0.07	9.21e-02	7.32e-04	12.7	12.7	12.7	12.7	2.6	23.6	-3.1	174.2	1589.0	-196.2
833	ok	0.07	9.35e-02	2.56e-04	12.7	12.7	12.7	12.7	2.0	7.1	-3.0	333.6	1652.0	-140.2
834	ok	0.07	9.98e-02	1.29e-04	12.7	12.7	12.7	12.7	0.7	5.2	-0.8	392.2	1776.6	-92.8
835	ok	0.07	0.1	6.15e-05	12.7	12.7	12.7	12.7	0.9	4.5	-0.2	417.8	1838.4	-56.7
836	ok	0.07	0.1	5.65e-06	12.7	12.7	12.7	12.7	1.0	4.2	-1.60e-02	425.2	1861.6	-23.1
837	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.0	4.2	-3.38e-02	425.8	1863.9	9.9
838	ok	0.07	0.1	4.20e-05	12.7	12.7	12.7	12.7	0.9	4.4	7.78e-02	422.2	1848.2	43.5
839	ok	0.07	0.1	1.08e-04	12.7	12.7	12.7	12.7	0.7	5.0	0.5	407.6	1802.6	79.3
840	ok	0.07	9.63e-02	2.11e-04	12.7	12.7	12.7	12.7	1.7	6.5	2.2	372.1	1707.8	122.9
841	ok	0.07	9.52e-02	6.46e-04	12.7	12.7	12.7	12.7	4.1	18.5	2.3	253.4	1659.8	164.6
842	ok	0.07	9.44e-02	2.11e-03	12.7	12.7	12.7	12.7	26.6	-1.9	-4.2	315.8	1491.9	-275.0
843	ok	0.07	0.1	9.97e-03	12.7	12.7	12.7	12.7	8.9	-60.8	-20.1	-774.8	-889.8	-712.8
844	ok	0.07	0.1	8.22e-03	12.7	12.7	12.7	12.7	-24.6	21.6	-6.7	-825.7	1012.7	152.3
845	ok	0.07	7.91e-02	4.71e-03	12.7	12.7	12.7	12.7	-20.6	1.3	18.6	-249.4	1303.1	184.3
846	ok	0.07	9.26e-02	7.15e-04	12.7	12.7	12.7	12.7	1.0	5.4	2.54e-02	293.1	1644.2	-88.4
847	ok	0.07	0.1	1.55e-04	12.7	12.7	12.7	12.7	0.6	4.9	0.3	367.2	1782.6	-76.0
848	ok	0.07	0.1	4.07e-05	12.7	12.7	12.7	12.7	0.9	4.7	0.2	397.0	1849.4	-51.3
849	ok	0.07	0.1	1.98e-06	12.7	12.7	12.7	12.7	1.1	4.3	-1.89e-02	406.7	1873.3	-22.2
850	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.1	4.3	9.58e-03	407.6	1875.8	9.8
851	ok	0.07	0.1	2.65e-05	12.7	12.7	12.7	12.7	0.9	4.6	-0.2	401.8	1859.8	40.4
852	ok	0.07	0.1	1.25e-04	12.7	12.7	12.7	12.7	0.6	4.8	-0.3	383.4	1810.5	68.5
853	ok	0.07	9.58e-02	5.60e-04	12.7	12.7	12.7	12.7	0.8	5.3	-0.2	335.2	1704.9	88.9
854	ok	0.07	8.56e-02	3.70e-03	12.7	12.7	12.7	12.7	6.0	6.7	1.6	255.6	1519.1	107.3
855	ok	0.07	0.1	5.22e-03	12.7	12.7	12.7	12.7	34.1	21.0	24.9	297.0	1400.2	389.4
856	ok	0.07	9.73e-02	9.65e-03	12.7	12.7	12.7	12.7	4.9	-55.5	24.3	-805.7	-959.0	685.1
857	ok	0.07	3.52e-02	3.75e-03	12.7	12.7	12.7	12.7	-4.8	17.4	2.3	272.8	466.3	14.3
858	ok	0.07	5.13e-02	1.21e-03	12.7	12.7	12.7	12.7	4.4	25.8	-4.3	398.6	808.8	19.8
859	ok	0.07	7.29e-02	6.38e-04	12.7	12.7	12.7	12.7	1.5	2.0	1.4	219.8	1259.7	77.7
860	ok	0.07	9.07e-02	2.01e-04	12.7	12.7	12.7	12.7	1.4	4.2	1.3	294.2	1613.5	-34.6
861	ok	0.07	0.1	7.39e-05	12.7	12.7	12.7	12.7	1.2	4.4	0.7	334.7	1786.8	-58.6
862	ok	0.07	0.1	2.14e-05	12.7	12.7	12.7	12.7	1.2	4.4	0.3	352.9	1868.5	-46.9
863	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.2	4.3	8.20e-02	359.7	1899.7	-21.2
864	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.2	4.3	-4.25e-02	359.9	1903.5	9.2
865	ok	0.07	0.1	9.86e-06	12.7	12.7	12.7	12.7	1.2	4.3	-0.3	354.9	1883.4	37.9
866	ok	0.07	0.1	6.27e-05	12.7	12.7	12.7	12.7	1.1	4.3	-0.6	340.7	1823.7	57.8
867	ok	0.07	9.49e-02	1.93e-04	12.7	12.7	12.7	12.7	1.1	4.2	-1.2	308.4	1691.1	51.6
868	ok	0.07	8.03e-02	4.53e-04	12.7	12.7	12.7	12.7	1.0	2.5	-1.3	239.4	1414.7	-29.0
869	ok	0.07	5.73e-02	9.08e-04	12.7	12.7	12.7	12.7	-3.15e-02	23.1	-2.7	290.3	976.1	-147.0
870	ok	0.07	3.64e-02	3.40e-03	12.7	12.7	12.7	12.7	-1.4	19.2	1.6	303.6	507.3	-11.8
871	ok	0.07	3.63e-02	8.53e-04	12.7	12.7	12.7	12.7	-1.7	3.7	1.0	640.3	312.9	-56.1
872	ok	0.07	3.89e-02	4.46e-04	12.7	12.7	12.7	12.7	-1.7	6.4	0.8	530.2	692.8	-19.2
873	ok	0.07	6.63e-02	2.37e-04	12.7	12.7	12.7	12.7	9.15e-02	2.8	0.6	384.8	1184.1	-51.1
874	ok	0.07	8.80e-02	1.10e-04	12.7	12.7	12.7	12.7	1.3	3.3	0.4	323.3	1568.4	-75.0
875	ok	0.07	0.1	4.00e-05	12.7	12.7	12.7	12.7	1.6	4.0	0.2	305.5	1785.4	-72.5
876	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.4	4.3	8.72e-02	307.2	1886.1	-50.9
877	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	4.4	4.20e-02	310.5	1924.3	-22.2
878	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	4.4	-5.00e-03	310.4	1929.2	8.4
879	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.4	4.2	-7.23e-02	305.8	1905.6	38.7
880	ok	0.07	0.1	3.28e-05	12.7	12.7	12.7	12.7	1.5	3.9	-0.3	299.8	1832.6	65.3
881	ok	0.07	9.33e-02	1.15e-04	12.7	12.7	12.7	12.7	1.2	3.5	-0.5	303.4	1664.5	78.2
882	ok	0.07	7.51e-02	2.39e-04	12.7	12.7	12.7	12.7	-0.2	3.1	-0.7	347.5	1341.3	62.8
883	ok	0.07	4.76e-02	4.15e-04	12.7	12.7	12.7	12.7	-2.1	3.1	-1.0	453.5	847.7	28.9
884	ok	0.07	3.58e-02	5.44e-04	12.7	12.7	12.7	12.7	-1.6	4.0	-0.6	634.8	312.8	44.5
885	ok	0.07	4.07e-02	1.05e-03	12.7	12.7	12.7	12.7	-1.6	2.1	0.1	551.6	287.6	-267.0
886	ok	0.07	4.79e-02	5.42e-04	12.7	12.7	12.7	12.7	-3.2	7.6	2.0	437.5	716.6	-243.6
887	ok	0.07	6.91e-02	2.04e-04	12.7	12.7	12.7	12.7	-0.2	4.0	-8.73e-02	297.8	1179.6	-232.1
888	ok	0.07	8.96e-02	6.45e-05	12.7	12.7	12.7	12.7	1.7	3.8	-0.6	236.4	1584.4	-157.6
889	ok	0.07	0.1	2.89e-05	12.7	12.7	12.7	12.7	1.6	4.4	-0.4	231.0	1808.5	-99.1
890	ok	0.07	0.1	1.73e-06	12.7	12.7	12.7	12.7	1.4	4.7	-0.2	244.1	1911.6	-55.9
891	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	4.8	-4.22e-02	255.0	1949.6	-22.3
892	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	4.7	0.2	256.5	1954.0	7.4
893	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.4	4.6	0.3	246.6	1931.9	38.4
894	ok	0.07	0.1	1.29e-05	12.7	12.7	12.7	12.7	1.7	4.2	0.4	229.5	1859.2	78.0
895	ok	0.07	9.48e-02	4.92e-05	12.7	12.7	12.7	12.7	1.5	3.5	0.2	222.9	1683.9	132.8
896	ok	0.07	7.72e-02	2.24e-04	12.7	12.7	12.7	12.7	-0.4	4.3	-7.43e-02	256.3	1341.8	211.6
897	ok	0.07	5.33e-02	4.70e-04	12.7	12.7	12.7	12.7	-3.1	6.7	-0.8	370.9	852.4	241.0
898	ok	0.07	3.98e-02	7.69e-04	12.7	12.7	12.7	12.7	-2.2	3.0	0.4	541.7	287.1	254.6
899	ok	0.07	4.03e-02	4.55e-03	12.7	12.7	12.7	12.7	-17.8	-15.1	-13.7	-204.9	-255.1	-454.4
900	ok	0.07	6.70e-02	2.78e-03	12.7	12.7	12.7	12.7	2.5	36.3	16.7	110.4	1136.4	-153.5
901	ok	0.07	8.06e-02	6.02e-04	12.7	12.7	12.7	12.7	-3.2	12.4	-3.7	-74.1	1331.5	-383.8
902	ok	0.07	9.42e-02	1.15e-04	12.7	12.7	12.7	12.7	1.5	5.5	-1.2	32.8	1656.3	-187.5
903	ok	0.07	0.1	4.43e-05	12.7	12.7	12.7	12.7	1.3	5.6	-0.8	110.0	1858.3	-91.6
904	ok	0.07	0.1	1.45e-05	12.7	12.7	12.7	12.7	1.1	5.5	-0.4	169.8	1942.2	-41.9



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905	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.0	5.4	-0.1	201.7	1969.7	-15.9
906	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.0	5.4	0.3	206.8	1973.6	3.8
907	ok	0.07	0.1	2.81e-06	12.7	12.7	12.7	12.7	1.2	5.4	0.6	185.3	1957.9	24.5
908	ok	0.07	0.1	2.60e-05	12.7	12.7	12.7	12.7	1.6	5.3	0.8	139.4	1899.5	59.7
909	ok	0.07	9.46e-02	1.80e-03	12.7	12.7	12.7	12.7	2.0	53.7	4.2	-843.2	1161.2	987.0
910	ok	0.07	0.1	9.10e-03	12.7	12.7	12.7	12.7	-4.0	-57.8	12.1	-1361.7	-868.0	950.3
911	ok	0.07	7.42e-02	1.06e-02	12.7	12.7	12.7	12.7	-62.9	-15.0	20.1	-1178.6	307.3	411.5
912	ok	0.07	0.2	7.16e-03	12.7	12.7	12.7	12.7	19.0	-20.6	-14.6	-2811.2	1297.8	647.1
913	ok	0.07	0.2	3.26e-03	12.7	12.7	12.7	12.7	-20.4	6.2	-5.9	-3638.5	1176.2	-548.4
914	ok	0.07	0.2	5.05e-03	12.7	12.7	12.7	12.7	-29.3	2.8	-12.4	-3804.8	1124.0	-554.9
915	ok	0.07	6.96e-02	4.81e-03	12.7	12.7	12.7	12.7	-13.5	-21.0	3.0	-1118.9	657.5	-397.0
916	ok	0.07	0.2	4.15e-03	12.7	12.7	12.7	12.7	-23.3	-2.1	10.5	-3083.5	971.7	442.5
917	ok	0.07	4.39e-02	2.21e-03	12.7	12.7	12.7	12.7	8.3	8.1	0.6	-36.5	-241.4	-498.6
918	ok	0.07	7.91e-02	2.07e-03	12.7	12.7	12.7	12.7	-6.2	-5.2	-8.0	1108.4	-172.0	-435.9
919	ok	0.07	9.38e-02	1.38e-03	12.7	12.7	12.7	12.7	-9.2	-2.6	-0.2	1650.0	-73.3	-239.6
920	ok	0.07	0.1	1.23e-03	12.7	12.7	12.7	12.7	-8.2	-0.6	9.73e-03	1863.7	-51.9	-112.9
921	ok	0.07	0.1	1.13e-03	12.7	12.7	12.7	12.7	-7.5	-5.47e-02	0.1	1903.1	-48.4	45.7
922	ok	0.07	0.1	1.08e-03	12.7	12.7	12.7	12.7	-7.1	-8.07e-02	7.79e-02	1796.3	-48.8	167.5
923	ok	0.07	8.76e-02	1.02e-03	12.7	12.7	12.7	12.7	-6.7	-0.3	4.03e-02	1520.2	-51.9	289.5
924	ok	0.07	6.40e-02	8.84e-04	12.7	12.7	12.7	12.7	-5.9	-1.3	0.1	1008.5	-61.7	406.2
925	ok	0.07	3.26e-02	9.61e-04	12.7	12.7	12.7	12.7	-3.0	-5.6	1.6	121.1	-98.9	516.5
926	ok	0.07	0.3	9.12e-03	12.7	12.7	12.7	12.7	-10.9	-8.7	-50.7	-5045.0	-214.3	-919.8
927	ok	0.07	0.1	1.02e-02	12.7	12.7	12.7	12.7	-15.8	-35.8	-40.7	-1915.7	-536.5	-561.9
928	ok	0.07	0.3	1.57e-02	12.7	12.7	12.7	12.7	-36.4	-41.9	65.3	-4732.2	-678.3	1138.0
929	ok	0.07	8.55e-02	2.23e-03	12.7	12.7	12.7	12.7	8.0	11.8	-24.6	-1029.1	60.7	-893.1
930	ok	0.07	3.95e-02	9.34e-04	12.7	12.7	12.7	12.7	-5.0	-3.3	-1.9	309.2	-79.5	-487.6
931	ok	0.07	6.72e-02	1.03e-03	12.7	12.7	12.7	12.7	-6.8	-0.9	-0.1	1097.5	-61.2	-364.7
932	ok	0.07	8.74e-02	1.07e-03	12.7	12.7	12.7	12.7	-7.0	-0.2	-3.91e-02	1530.0	-53.8	-242.3
933	ok	0.07	9.66e-02	1.05e-03	12.7	12.7	12.7	12.7	-6.9	-9.56e-02	-7.26e-02	1726.0	-51.4	-116.2
934	ok	0.07	9.70e-02	1.01e-03	12.7	12.7	12.7	12.7	-6.7	-0.1	0.1	1739.5	-51.3	49.9
935	ok	0.07	8.91e-02	9.71e-04	12.7	12.7	12.7	12.7	-6.4	-0.3	6.55e-02	1579.0	-52.2	173.2
936	ok	0.07	7.09e-02	8.68e-04	12.7	12.7	12.7	12.7	-5.8	-1.1	0.1	1205.2	-59.4	291.6
937	ok	0.07	4.02e-02	8.83e-04	12.7	12.7	12.7	12.7	-3.6	-5.2	1.2	515.4	-94.0	405.5
938	ok	0.07	6.81e-02	3.03e-03	12.7	12.7	12.7	12.7	6.5	-10.0	16.4	-834.3	-199.5	620.1
939	ok	0.07	0.2	5.58e-03	12.7	12.7	12.7	12.7	-1.5	0.7	-36.6	-3539.3	-65.5	-626.6
940	ok	0.07	0.2	1.06e-02	12.7	12.7	12.7	12.7	-22.9	-26.5	46.0	-3256.8	-433.7	824.3
941	ok	0.07	5.53e-02	1.95e-03	12.7	12.7	12.7	12.7	4.5	6.1	-18.2	-407.0	-14.9	-631.4
942	ok	0.07	4.37e-02	9.95e-04	12.7	12.7	12.7	12.7	-6.0	-2.9	-1.5	666.9	-80.7	-309.8
943	ok	0.07	7.03e-02	1.19e-03	12.7	12.7	12.7	12.7	-7.9	-0.8	-0.2	1232.5	-65.1	-181.7
944	ok	0.07	8.09e-02	1.25e-03	12.7	12.7	12.7	12.7	-8.3	-0.3	-0.1	1445.9	-61.6	-53.4
945	ok	0.07	7.70e-02	1.19e-03	12.7	12.7	12.7	12.7	-7.9	-0.5	0.3	1366.7	-63.1	129.4
946	ok	0.07	5.77e-02	8.86e-04	12.7	12.7	12.7	12.7	-5.3	-0.6	1.8	967.7	-63.4	266.0
947	ok	0.07	6.70e-02	1.05e-03	12.7	12.7	12.7	12.7	8.7	19.4	17.8	186.9	138.6	634.8
948	ok	0.07	0.1	1.15e-02	12.7	12.7	12.7	12.7	-19.0	-44.9	-42.3	-1811.9	-668.3	-661.9
949	ok	0.07	5.35e-02	6.82e-04	12.7	12.7	12.7	12.7	9.3	14.3	14.4	17.1	83.3	453.9
950	ok	0.07	0.2	9.53e-03	12.7	12.7	12.7	12.7	-5.9	-29.7	43.9	-2798.2	-457.6	685.6
951	ok	0.07	6.38e-02	1.47e-03	12.7	12.7	12.7	12.7	12.6	8.6	-20.3	-330.3	12.0	-742.3
952	ok	0.07	5.05e-02	8.21e-04	12.7	12.7	12.7	12.7	-2.9	-3.0	-1.8	697.6	-73.7	-398.4
953	ok	0.07	7.49e-02	9.21e-04	12.7	12.7	12.7	12.7	-6.1	-0.9	-0.2	1285.5	-56.0	-277.1
954	ok	0.07	8.97e-02	1.06e-03	12.7	12.7	12.7	12.7	-7.1	-0.2	-7.65e-02	1593.4	-50.2	-159.6
955	ok	0.07	9.52e-02	1.11e-03	12.7	12.7	12.7	12.7	-7.4	-0.1	-0.1	1706.9	-49.4	-39.5
956	ok	0.07	9.29e-02	1.13e-03	12.7	12.7	12.7	12.7	-7.5	-0.2	7.34e-02	1657.6	-49.8	119.9
957	ok	0.07	8.18e-02	1.09e-03	12.7	12.7	12.7	12.7	-7.2	-0.6	0.2	1428.8	-53.5	239.2
958	ok	0.07	6.00e-02	9.56e-04	12.7	12.7	12.7	12.7	-5.1	-0.9	1.7	954.9	-58.2	366.5
959	ok	0.07	7.22e-02	1.26e-03	12.7	12.7	12.7	12.7	8.8	18.7	19.0	135.0	134.9	739.3
960	ok	0.07	0.1	1.16e-02	12.7	12.7	12.7	12.7	-18.0	-44.6	-43.8	-1881.9	-666.3	-611.0
961	ok	0.07	0.1	8.98e-03	12.7	12.7	12.7	12.7	-12.7	-34.2	-34.6	-1825.0	-525.9	-639.0
962	ok	0.07	0.2	9.46e-03	12.7	12.7	12.7	12.7	-7.4	-31.2	41.9	-2739.5	-483.3	730.3
963	ok	0.07	5.82e-02	1.17e-03	12.7	12.7	12.7	12.7	13.1	10.4	-18.4	-291.7	34.1	-621.3
964	ok	0.07	4.78e-02	8.28e-04	12.7	12.7	12.7	12.7	-2.4	-2.4	-1.9	700.7	-76.2	-292.7
965	ok	0.07	6.92e-02	9.31e-04	12.7	12.7	12.7	12.7	-6.2	-0.8	-0.3	1217.9	-65.4	-165.0
966	ok	0.07	7.65e-02	1.08e-03	12.7	12.7	12.7	12.7	-7.1	-0.2	-0.2	1368.0	-62.2	-40.2
967	ok	0.07	6.76e-02	1.04e-03	12.7	12.7	12.7	12.7	-6.8	-2.8	0.6	1192.7	-82.3	145.4
968	ok	0.07	6.22e-02	1.90e-03	12.7	12.7	12.7	12.7	-1.3	-4.0	9.5	560.5	-143.0	348.5
969	ok	0.07	6.66e-02	3.63e-03	12.7	12.7	12.7	12.7	15.4	13.7	-3.9	-894.1	-298.7	331.1
970	ok	0.07	7.72e-02	2.19e-03	12.7	12.7	12.7	12.7	11.9	20.4	-2.7	-1135.8	-75.3	-219.5
971	ok	0.07	4.07e-02	1.74e-03	12.7	12.7	12.7	12.7	0.9	-8.4	-5.9	160.6	-194.8	-141.7
972	ok	0.07	3.92e-02	6.65e-04	12.7	12.7	12.7	12.7	-3.7	-2.9	-0.6	697.7	-88.6	-33.0
973	ok	0.07	3.55e-02	5.37e-04	12.7	12.7	12.7	12.7	-2.5	-0.8	1.6	602.6	-69.4	154.3
974	ok	0.07	0.1	3.15e-03	12.7	12.7	12.7	12.7	9.3	-7.0	20.5	-1532.1	-164.7	773.0
975	ok	0.07	7.73e-02	1.16e-02	12.7	12.7	12.7	12.7	-71.1	-12.1	-20.0	-1240.9	348.5	-407.6
976	ok	0.07	7.42e-02	5.64e-03	12.7	12.7	12.7	12.7	-14.9	-23.0	-5.9	-1120.9	682.1	407.5
977	ok	0.07	0.2	4.90e-03	12.7	12.7	12.7	12.7	-28.9	1.7	11.2	-3817.9	1136.2	560.1
978	ok	0.07	0.2	8.43e-03	12.7	12.7	12.7	12.7	20.2	-25.7	20.0	-2762.8	1329.6	-654.3
979	ok	0.07	0.2	9.10e-03	12.7	12.7	12.7	12.7	36.4	-27.3	21.3	-3858.4	1659.5	-748.1
980	ok	0.07	0.2	3.04e-03	12.7	12.7	12.7	12.7	-18.6	4.2	4.8	-3624.2	1178.2	559.6



981	ok	0.07	0.2	4.03e-03	12.7	12.7	12.7	12.7	-23.8	-1.8	-8.5	-3109.7	992.3	-434.5
982	ok	0.07	4.28e-02	2.71e-03	12.7	12.7	12.7	12.7	5.9	5.2	-2.6	56.3	-312.0	501.2
983	ok	0.07	7.94e-02	1.67e-03	12.7	12.7	12.7	12.7	-4.2	-2.7	7.6	1135.6	-134.3	436.5
984	ok	0.07	9.39e-02	1.38e-03	12.7	12.7	12.7	12.7	-9.1	-1.8	0.2	1651.2	-68.1	239.3
985	ok	0.07	0.1	1.23e-03	12.7	12.7	12.7	12.7	-8.2	-0.4	1.68e-02	1864.8	-51.6	113.1
986	ok	0.07	0.1	1.14e-03	12.7	12.7	12.7	12.7	-7.6	-5.70e-02	-0.1	1904.0	-48.7	-46.5
987	ok	0.07	0.1	1.11e-03	12.7	12.7	12.7	12.7	-7.3	-8.64e-02	-7.94e-02	1796.6	-49.1	-168.7
988	ok	0.07	8.76e-02	1.09e-03	12.7	12.7	12.7	12.7	-7.2	-0.3	-4.30e-02	1519.6	-52.4	-290.9
989	ok	0.07	6.39e-02	1.03e-03	12.7	12.7	12.7	12.7	-6.8	-1.1	-0.2	1005.2	-61.8	-407.8
990	ok	0.07	3.24e-02	9.13e-04	12.7	12.7	12.7	12.7	-4.6	-3.9	-1.8	105.8	-91.8	-512.7
991	ok	0.07	0.1	2.31e-03	12.7	12.7	12.7	12.7	15.9	-4.3	-18.6	-1529.5	-130.2	-742.0
992	ok	0.07	0.3	9.48e-03	12.7	12.7	12.7	12.7	-11.6	-11.7	51.3	-5024.4	-235.4	925.2
993	ok	0.07	0.3	1.66e-02	12.7	12.7	12.7	12.7	-39.1	-46.8	-67.2	-4763.7	-721.9	-1159.2
994	ok	0.07	8.33e-02	1.23e-03	12.7	12.7	12.7	12.7	14.4	15.5	23.0	-1029.2	106.8	862.5
995	ok	0.07	3.93e-02	1.14e-03	12.7	12.7	12.7	12.7	-7.0	-1.2	2.0	295.6	-70.1	484.9
996	ok	0.07	6.72e-02	1.19e-03	12.7	12.7	12.7	12.7	-7.9	-0.8	0.2	1095.0	-61.1	366.7
997	ok	0.07	8.74e-02	1.14e-03	12.7	12.7	12.7	12.7	-7.6	-0.2	4.53e-02	1529.8	-54.3	243.7
998	ok	0.07	9.66e-02	1.09e-03	12.7	12.7	12.7	12.7	-7.2	-9.75e-02	7.91e-02	1726.3	-51.8	117.1
999	ok	0.07	9.70e-02	1.05e-03	12.7	12.7	12.7	12.7	-7.0	-0.1	-0.1	1739.8	-51.6	-50.0
1000	ok	0.07	8.91e-02	1.02e-03	12.7	12.7	12.7	12.7	-6.8	-0.3	-7.20e-02	1578.6	-52.6	-173.8
1001	ok	0.07	7.08e-02	9.68e-04	12.7	12.7	12.7	12.7	-6.4	-1.0	-0.2	1202.7	-59.5	-292.4
1002	ok	0.07	3.96e-02	8.46e-04	12.7	12.7	12.7	12.7	-4.6	-3.9	-1.3	503.8	-88.5	-402.3
1003	ok	0.07	6.61e-02	2.38e-03	12.7	12.7	12.7	12.7	11.9	-7.8	-14.9	-828.8	-172.2	-597.6
1004	ok	0.07	0.2	5.97e-03	12.7	12.7	12.7	12.7	-2.9	-1.7	37.3	-3526.5	-84.3	635.0
1005	ok	0.07	0.2	1.12e-02	12.7	12.7	12.7	12.7	-24.2	-30.0	-47.2	-3273.1	-461.0	-838.7
1006	ok	0.07	5.40e-02	1.18e-03	12.7	12.7	12.7	12.7	9.6	8.7	17.0	-408.0	17.2	607.3
1007	ok	0.07	4.32e-02	1.19e-03	12.7	12.7	12.7	12.7	-7.5	-1.4	1.5	658.2	-73.9	307.0
1008	ok	0.07	7.04e-02	1.34e-03	12.7	12.7	12.7	12.7	-8.9	-0.7	0.2	1233.5	-65.1	182.1
1009	ok	0.07	8.11e-02	1.38e-03	12.7	12.7	12.7	12.7	-9.1	-0.2	0.2	1450.2	-62.1	52.7
1010	ok	0.07	7.74e-02	1.39e-03	12.7	12.7	12.7	12.7	-9.2	-0.4	-0.2	1373.2	-63.2	-133.0
1011	ok	0.07	5.82e-02	1.27e-03	12.7	12.7	12.7	12.7	-8.2	0.4	-1.5	973.4	-59.0	-269.4
1012	ok	0.07	6.52e-02	9.20e-04	12.7	12.7	12.7	12.7	10.4	19.7	-17.6	190.3	142.1	-619.1
1013	ok	0.07	0.1	1.16e-02	12.7	12.7	12.7	12.7	-18.3	-45.6	43.0	-1869.0	-661.9	671.0
1014	ok	0.07	0.1	8.88e-03	12.7	12.7	12.7	12.7	-11.2	-34.0	34.5	-1873.1	-508.2	639.4
1015	ok	0.07	0.2	1.00e-02	12.7	12.7	12.7	12.7	-8.2	-31.8	-45.1	-2858.8	-477.0	-696.6
1016	ok	0.07	6.27e-02	1.09e-03	12.7	12.7	12.7	12.7	16.3	10.2	19.2	-326.3	37.3	721.0
1017	ok	0.07	4.93e-02	1.02e-03	12.7	12.7	12.7	12.7	-5.7	-1.4	1.6	697.4	-66.7	400.6
1018	ok	0.07	7.53e-02	1.12e-03	12.7	12.7	12.7	12.7	-7.4	-0.7	0.2	1291.3	-56.1	281.3
1019	ok	0.07	9.01e-02	1.16e-03	12.7	12.7	12.7	12.7	-7.7	-0.2	7.19e-02	1599.7	-50.8	161.9
1020	ok	0.07	9.56e-02	1.17e-03	12.7	12.7	12.7	12.7	-7.8	-0.1	0.1	1713.3	-49.8	40.4
1021	ok	0.07	9.33e-02	1.21e-03	12.7	12.7	12.7	12.7	-8.0	-0.2	-7.40e-02	1664.7	-50.2	-120.9
1022	ok	0.07	8.24e-02	1.25e-03	12.7	12.7	12.7	12.7	-8.3	-0.4	-0.2	1437.1	-53.5	-242.2
1023	ok	0.07	6.06e-02	1.19e-03	12.7	12.7	12.7	12.7	-7.7	0.3	-1.4	962.2	-52.3	-369.1
1024	ok	0.07	7.13e-02	1.09e-03	12.7	12.7	12.7	12.7	10.9	19.7	-18.8	148.2	151.1	-724.4
1025	ok	0.07	0.1	1.21e-02	12.7	12.7	12.7	12.7	-19.6	-46.6	45.5	-1942.5	-683.8	628.2
1026	ok	0.07	0.2	9.54e-03	12.7	12.7	12.7	12.7	-6.8	-32.0	-42.1	-2793.6	-479.7	-732.4
1027	ok	0.07	5.62e-02	9.63e-04	12.7	12.7	12.7	12.7	16.2	11.1	17.6	-299.2	46.9	598.7
1028	ok	0.07	4.60e-02	1.06e-03	12.7	12.7	12.7	12.7	-5.7	-1.0	1.7	699.7	-70.6	295.7
1029	ok	0.07	6.96e-02	1.18e-03	12.7	12.7	12.7	12.7	-7.9	-0.7	0.3	1222.7	-65.6	169.7
1030	ok	0.07	7.68e-02	1.22e-03	12.7	12.7	12.7	12.7	-8.1	-0.2	0.2	1372.2	-62.7	43.4
1031	ok	0.07	6.76e-02	1.16e-03	12.7	12.7	12.7	12.7	-7.6	-1.9	-0.7	1192.1	-78.6	-143.0
1032	ok	0.07	6.07e-02	1.44e-03	12.7	12.7	12.7	12.7	1.3	-2.1	-8.8	571.5	-120.9	-340.1
1033	ok	0.07	6.71e-02	3.74e-03	12.7	12.7	12.7	12.7	13.8	16.3	7.1	-859.0	-340.4	-313.1
1034	ok	0.07	7.97e-02	2.46e-03	12.7	12.7	12.7	12.7	11.0	25.1	0.7	-1135.6	-91.8	222.0
1035	ok	0.07	3.80e-02	1.53e-03	12.7	12.7	12.7	12.7	3.1	-8.0	5.4	160.0	-189.6	128.1
1036	ok	0.07	3.93e-02	8.46e-04	12.7	12.7	12.7	12.7	-5.5	-2.3	0.7	697.6	-87.4	28.7
1037	ok	0.07	3.60e-02	9.03e-04	12.7	12.7	12.7	12.7	-5.7	0.1	-1.4	604.5	-65.9	-158.0
1038	ok	0.07	5.10e-02	5.55e-04	12.7	12.7	12.7	12.7	12.8	10.6	-11.2	255.5	112.2	-297.5
1039	ok	0.07	6.68e-02	3.21e-03	12.7	12.7	12.7	12.7	-19.6	33.3	-3.1	197.2	-612.4	501.7
1040	ok	0.07	5.30e-02	2.97e-03	12.7	12.7	12.7	12.7	-19.3	16.7	3.8	88.2	-655.4	-315.7
1041	ok	0.07	9.78e-02	9.16e-04	12.7	12.7	12.7	12.7	24.8	55.4	20.7	383.7	662.0	349.3
1042	ok	0.07	7.84e-02	2.17e-03	12.7	12.7	12.7	12.7	-14.4	7.4	-0.2	-255.4	1203.1	235.0
1043	ok	0.07	9.62e-02	3.58e-04	12.7	12.7	12.7	12.7	-2.3	6.6	-0.7	-50.6	1684.3	243.1
1044	ok	0.07	0.1	4.49e-05	12.7	12.7	12.7	12.7	-0.3	6.7	-0.2	-26.8	1851.4	175.0
1045	ok	0.07	0.1	2.37e-05	12.7	12.7	12.7	12.7	-3.94e-02	6.3	-2.66e-02	-21.3	1916.6	108.1
1046	ok	0.07	0.1	2.19e-05	12.7	12.7	12.7	12.7	-2.45e-02	5.9	1.52e-02	-19.5	1936.1	45.4
1047	ok	0.07	0.1	2.23e-05	12.7	12.7	12.7	12.7	-3.20e-02	5.8	-1.98e-02	-19.5	1937.9	-23.0
1048	ok	0.07	0.1	2.60e-05	12.7	12.7	12.7	12.7	-4.51e-02	5.9	2.27e-02	-20.5	1927.2	-84.7
1049	ok	0.07	0.1	4.49e-05	12.7	12.7	12.7	12.7	-0.3	6.1	0.1	-25.5	1884.7	-150.8
1050	ok	0.07	0.1	3.57e-04	12.7	12.7	12.7	12.7	-2.3	5.8	0.7	-50.0	1766.0	-221.3
1051	ok	0.07	8.45e-02	2.38e-03	12.7	12.7	12.7	12.7	-15.6	5.1	1.8	-262.8	1367.9	-224.2
1052	ok	0.07	0.1	1.40e-03	12.7	12.7	12.7	12.7	27.4	45.4	-19.9	409.3	1095.3	-458.5
1053	ok	0.07	2.68e-02	2.83e-03	12.7	12.7	12.7	12.7	-13.1	6.6	-7.8	-431.7	-207.7	-37.1
1054	ok	0.07	2.89e-02	3.03e-03	12.7	12.7	12.7	12.7	-15.9	10.3	6.8	-479.5	-148.9	15.1
1055	ok	0.07	0.1	1.52e-02	12.7	12.7	12.7	12.7	27.3	-52.6	29.2	-951.4	-1274.8	1474.7
1056	ok	0.07	0.1	1.51e-02	12.7	12.7	12.7	12.7	21.0	-51.9	-31.2	-997.3	-1286.2	-1518.2



1057	ok	0.07	0.1	1.36e-02	12.7	12.7	12.7	12.7	-38.3	-38.2	52.0	-1453.0	-553.2	1659.0
1058	ok	0.07	9.56e-02	3.44e-03	12.7	12.7	12.7	12.7	-18.2	7.9	11.9	-742.1	1344.3	927.5
1059	ok	0.07	0.1	2.08e-04	12.7	12.7	12.7	12.7	-9.67e-02	8.3	2.6	-120.4	1704.9	409.5
1060	ok	0.07	0.1	3.36e-05	12.7	12.7	12.7	12.7	1.0	6.7	0.8	105.9	1821.0	253.2
1061	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.8	6.1	0.6	209.8	1868.4	146.8
1062	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.8	5.7	0.3	258.3	1880.8	58.4
1063	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.8	5.7	-0.1	266.8	1881.7	-23.3
1064	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	0.9	6.0	-0.5	238.4	1875.6	-107.2
1065	ok	0.07	0.1	1.83e-06	12.7	12.7	12.7	12.7	1.3	6.7	-0.9	163.7	1847.3	-202.9
1066	ok	0.07	0.1	1.67e-04	12.7	12.7	12.7	12.7	3.30e-02	8.3	-2.8	-16.5	1772.8	-336.5
1067	ok	0.07	9.92e-02	3.77e-03	12.7	12.7	12.7	12.7	-20.4	9.6	-12.7	-582.3	1509.0	-762.6
1068	ok	0.07	0.1	1.07e-02	12.7	12.7	12.7	12.7	-30.5	41.0	3.6	-1141.8	1471.2	-834.9
1069	ok	0.07	0.1	9.52e-03	12.7	12.7	12.7	12.7	-12.6	-33.4	38.9	-1858.6	-508.4	545.7
1070	ok	0.07	0.2	7.97e-03	12.7	12.7	12.7	12.7	35.3	-21.3	-14.7	-3909.8	1620.1	745.4
1079	ok	0.07	6.53e-02	7.80e-04	12.7	12.7	12.7	12.7	10.1	13.8	17.0	212.2	83.8	671.2
1080	ok	0.07	6.38e-02	4.56e-03	12.7	12.7	12.7	12.7	-4.9	8.8	-2.0	157.8	275.3	810.4
1081	ok	0.07	6.37e-02	5.65e-03	12.7	12.7	12.7	12.7	-7.0	-34.6	-9.4	53.0	-412.9	-842.3
1082	ok	0.07	8.30e-02	3.00e-03	12.7	12.7	12.7	12.7	5.1	35.9	-14.5	354.1	1134.6	608.5
1083	ok	0.07	9.39e-02	6.17e-04	12.7	12.7	12.7	12.7	-2.5	13.4	5.3	160.2	1278.7	761.0
1084	ok	0.07	9.57e-02	1.10e-04	12.7	12.7	12.7	12.7	1.1	6.3	2.3	252.9	1539.6	493.5
1085	ok	0.07	9.91e-02	1.99e-05	12.7	12.7	12.7	12.7	1.3	5.2	1.5	314.6	1699.8	320.4
1086	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.2	4.8	0.9	353.4	1767.4	185.2
1087	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.2	4.6	0.3	374.3	1788.5	72.9
1088	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.3	4.6	-0.2	377.2	1791.5	-28.4
1089	ok	0.07	0.1	0.0	12.7	12.7	12.7	12.7	1.4	4.7	-0.8	366.4	1778.7	-133.5
1090	ok	0.07	9.97e-02	0.0	12.7	12.7	12.7	12.7	1.7	4.9	-1.3	337.2	1734.3	-255.4
1091	ok	0.07	9.74e-02	4.64e-05	12.7	12.7	12.7	12.7	2.2	4.9	-1.7	280.9	1621.8	-410.3
1092	ok	0.07	9.40e-02	2.86e-04	12.7	12.7	12.7	12.7	-1.6	8.5	-1.1	138.8	1406.9	-643.8
1093	ok	0.07	9.11e-02	1.62e-03	12.7	12.7	12.7	12.7	8.16e-02	36.4	1.6	282.1	1215.3	-704.1
1094	ok	0.07	6.62e-02	1.18e-03	12.7	12.7	12.7	12.7	7.5	12.3	-17.6	199.2	59.8	-685.7
1095	ok	0.07	6.46e-02	1.13e-03	12.7	12.7	12.7	12.7	-7.3	-0.4	1.3	1052.6	-58.5	352.2
1096	ok	0.07	8.50e-02	1.23e-03	12.7	12.7	12.7	12.7	-2.7	2.2	0.2	988.3	299.2	807.9
1097	ok	0.07	8.43e-02	9.72e-04	12.7	12.7	12.7	12.7	-3.4	3.5	-0.7	976.4	303.0	-797.2
1098	ok	0.07	8.20e-02	5.29e-04	12.7	12.7	12.7	12.7	-3.4	7.2	-1.1	863.5	690.4	690.0
1099	ok	0.07	8.53e-02	1.47e-04	12.7	12.7	12.7	12.7	0.3	2.7	1.2	703.7	1069.5	614.1
1100	ok	0.07	8.93e-02	9.43e-05	12.7	12.7	12.7	12.7	1.9	2.6	1.8	606.2	1391.8	452.0
1101	ok	0.07	9.24e-02	2.32e-05	12.7	12.7	12.7	12.7	1.8	3.1	1.4	551.7	1570.6	303.7
1102	ok	0.07	9.41e-02	0.0	12.7	12.7	12.7	12.7	1.8	3.3	0.8	520.7	1656.9	178.6
1103	ok	0.07	9.47e-02	0.0	12.7	12.7	12.7	12.7	1.7	3.4	0.3	505.1	1690.4	71.7
1104	ok	0.07	9.48e-02	0.0	12.7	12.7	12.7	12.7	1.8	3.4	-0.2	504.3	1694.4	-27.8
1105	ok	0.07	9.44e-02	0.0	12.7	12.7	12.7	12.7	1.9	3.3	-0.6	511.0	1675.9	-130.9
1106	ok	0.07	9.32e-02	0.0	12.7	12.7	12.7	12.7	2.1	3.0	-1.1	532.6	1614.6	-248.7
1107	ok	0.07	9.06e-02	4.00e-06	12.7	12.7	12.7	12.7	2.2	2.4	-1.2	571.4	1476.0	-391.6
1108	ok	0.07	8.67e-02	1.16e-04	12.7	12.7	12.7	12.7	0.5	3.2	-1.3	650.8	1204.2	-559.6
1109	ok	0.07	8.20e-02	4.14e-04	12.7	12.7	12.7	12.7	-2.6	6.2	-0.5	788.0	809.7	-670.4
1110	ok	0.07	6.42e-02	8.49e-04	12.7	12.7	12.7	12.7	-5.0	-1.7	-1.5	1049.0	-64.8	-350.0
1111	ok	0.07	8.74e-02	1.22e-03	12.7	12.7	12.7	12.7	-8.1	-0.5	0.2	1534.2	-55.3	226.9
1112	ok	0.07	9.23e-02	6.64e-04	12.7	12.7	12.7	12.7	-3.9	0.5	0.2	1434.4	322.7	543.6
1113	ok	0.07	9.17e-02	6.40e-04	12.7	12.7	12.7	12.7	-3.8	0.7	-0.7	1428.3	318.5	-537.4
1114	ok	0.07	8.41e-02	3.81e-04	12.7	12.7	12.7	12.7	-2.5	0.9	0.3	1269.3	639.5	456.5
1115	ok	0.07	7.97e-02	1.62e-04	12.7	12.7	12.7	12.7	0.1	0.7	0.6	1050.1	1008.2	401.5
1116	ok	0.07	8.15e-02	6.97e-05	12.7	12.7	12.7	12.7	1.7	1.1	0.7	872.6	1293.5	315.3
1117	ok	0.07	8.55e-02	1.44e-05	12.7	12.7	12.7	12.7	2.1	1.7	0.7	746.5	1471.0	220.4
1118	ok	0.07	8.84e-02	0.0	12.7	12.7	12.7	12.7	2.1	2.2	0.5	665.8	1565.7	132.4
1119	ok	0.07	8.98e-02	0.0	12.7	12.7	12.7	12.7	2.1	2.4	0.2	623.9	1606.3	53.6
1120	ok	0.07	9.00e-02	0.0	12.7	12.7	12.7	12.7	2.1	2.4	-8.28e-02	617.9	1611.7	-21.1
1121	ok	0.07	8.91e-02	0.0	12.7	12.7	12.7	12.7	2.2	2.2	-0.3	642.4	1587.2	-98.5
1122	ok	0.07	8.67e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.8	-0.5	705.2	1515.9	-183.9
1123	ok	0.07	8.29e-02	2.94e-05	12.7	12.7	12.7	12.7	1.8	1.3	-0.5	811.3	1371.5	-278.8
1124	ok	0.07	7.95e-02	1.11e-04	12.7	12.7	12.7	12.7	0.5	1.1	-0.5	969.4	1124.8	-371.4
1125	ok	0.07	8.11e-02	2.80e-04	12.7	12.7	12.7	12.7	-1.7	1.2	-0.7	1174.8	774.9	-437.5
1126	ok	0.07	8.70e-02	1.08e-03	12.7	12.7	12.7	12.7	-7.2	-0.6	-0.2	1528.6	-55.4	-223.5
1127	ok	0.07	9.83e-02	1.23e-03	12.7	12.7	12.7	12.7	-8.2	-0.2	0.1	1757.1	-52.3	104.4
1128	ok	0.07	9.38e-02	6.69e-04	12.7	12.7	12.7	12.7	-4.4	-7.00e-02	9.79e-02	1644.4	331.6	231.4
1129	ok	0.07	9.35e-02	6.47e-04	12.7	12.7	12.7	12.7	-4.3	2.14e-02	-0.3	1640.8	328.8	-226.1
1130	ok	0.07	8.41e-02	3.70e-04	12.7	12.7	12.7	12.7	-2.4	-0.1	0.1	1468.7	636.3	188.9
1131	ok	0.07	7.31e-02	1.49e-04	12.7	12.7	12.7	12.7	0.1	-0.1	5.99e-02	1226.0	986.7	166.8
1132	ok	0.07	7.30e-02	5.46e-05	12.7	12.7	12.7	12.7	1.6	0.5	-4.90e-02	1021.3	1246.6	136.0
1133	ok	0.07	7.99e-02	6.14e-06	12.7	12.7	12.7	12.7	2.1	1.1	-5.56e-02	863.6	1416.1	99.0
1134	ok	0.07	8.45e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.6	-3.88e-02	757.6	1511.5	61.2
1135	ok	0.07	8.67e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.9	4.27e-02	701.3	1554.3	25.2
1136	ok	0.07	8.71e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.9	3.79e-02	692.2	1560.6	-9.9
1137	ok	0.07	8.56e-02	0.0	12.7	12.7	12.7	12.7	2.2	1.7	0.1	727.7	1533.2	-46.2
1138	ok	0.07	8.19e-02	4.32e-06	12.7	12.7	12.7	12.7	2.2	1.3	0.2	812.5	1459.6	-84.2
1139	ok	0.07	7.56e-02	3.97e-05	12.7	12.7	12.7	12.7	1.8	0.8	0.2	949.2	1319.5	-122.4
1140	ok	0.07	7.09e-02	1.10e-04	12.7	12.7	12.7	12.7	0.6	0.4	2.99e-02	1137.6	1093.1	-155.5



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1141	ok	0.07	7.89e-02	2.57e-04	12.7	12.7	12.7	12.7	-1.4	0.1	-0.3	1366.8	772.5	-179.0
1142	ok	0.07	9.80e-02	1.17e-03	12.7	12.7	12.7	12.7	-7.8	-0.2	-0.1	1752.5	-51.9	-102.4
1143	ok	0.07	9.96e-02	1.26e-03	12.7	12.7	12.7	12.7	-8.4	-0.4	-6.58e-02	1784.2	-54.2	-61.1
1144	ok	0.07	9.37e-02	6.56e-04	12.7	12.7	12.7	12.7	-4.3	-0.2	7.71e-02	1671.3	330.1	-113.1
1145	ok	0.07	9.35e-02	6.35e-04	12.7	12.7	12.7	12.7	-4.2	-0.2	-0.2	1668.5	328.2	114.3
1146	ok	0.07	8.39e-02	3.68e-04	12.7	12.7	12.7	12.7	-2.2	0.1	-0.3	1496.5	640.4	-93.9
1147	ok	0.07	7.11e-02	1.12e-04	12.7	12.7	12.7	12.7	0.4	8.94e-02	-0.7	1255.2	986.7	-78.8
1148	ok	0.07	7.02e-02	8.45e-05	12.7	12.7	12.7	12.7	1.7	0.6	-1.0	1048.3	1244.4	-58.5
1149	ok	0.07	7.87e-02	4.81e-05	12.7	12.7	12.7	12.7	2.0	1.3	-0.9	888.5	1409.6	-38.2
1150	ok	0.07	8.38e-02	6.05e-06	12.7	12.7	12.7	12.7	2.0	1.7	-0.6	779.5	1502.2	-21.6
1151	ok	0.07	8.61e-02	0.0	12.7	12.7	12.7	12.7	2.0	2.0	-0.2	720.6	1544.2	-8.3
1152	ok	0.07	8.65e-02	0.0	12.7	12.7	12.7	12.7	2.0	2.0	0.1	710.6	1550.3	3.4
1153	ok	0.07	8.49e-02	0.0	12.7	12.7	12.7	12.7	2.1	1.9	0.5	749.2	1523.1	15.7
1154	ok	0.07	8.10e-02	3.61e-05	12.7	12.7	12.7	12.7	2.1	1.5	0.9	837.5	1451.8	30.6
1155	ok	0.07	7.38e-02	6.90e-05	12.7	12.7	12.7	12.7	1.9	1.0	1.0	976.8	1316.4	50.0
1156	ok	0.07	6.75e-02	8.95e-05	12.7	12.7	12.7	12.7	1.0	0.5	0.8	1165.9	1095.1	72.3
1157	ok	0.07	7.84e-02	2.66e-04	12.7	12.7	12.7	12.7	-1.0	0.3	0.3	1394.9	776.9	89.9
1158	ok	0.07	9.94e-02	1.24e-03	12.7	12.7	12.7	12.7	-8.2	-0.5	3.41e-02	1780.7	-54.4	61.4
1159	ok	0.07	9.12e-02	1.34e-03	12.7	12.7	12.7	12.7	-8.9	-1.6	-0.2	1613.3	-68.1	-188.1
1160	ok	0.07	9.18e-02	6.80e-04	12.7	12.7	12.7	12.7	-3.5	1.8	0.2	1515.1	342.8	-415.2
1161	ok	0.07	9.17e-02	5.78e-04	12.7	12.7	12.7	12.7	-3.4	2.6	-0.2	1510.8	346.7	416.5
1162	ok	0.07	8.44e-02	3.25e-04	12.7	12.7	12.7	12.7	-1.5	2.7	-0.6	1358.0	665.6	-365.3
1163	ok	0.07	7.79e-02	1.16e-04	12.7	12.7	12.7	12.7	1.3	1.0	-1.5	1136.7	1014.4	-314.6
1164	ok	0.07	7.88e-02	9.27e-05	12.7	12.7	12.7	12.7	1.9	1.6	-2.0	957.2	1285.2	-238.9
1165	ok	0.07	8.32e-02	6.03e-05	12.7	12.7	12.7	12.7	1.7	2.2	-1.6	820.1	1449.5	-164.6
1166	ok	0.07	8.65e-02	1.93e-05	12.7	12.7	12.7	12.7	1.6	2.5	-1.0	725.8	1537.8	-98.3
1167	ok	0.07	8.81e-02	0.0	12.7	12.7	12.7	12.7	1.5	2.6	-0.4	674.4	1576.4	-39.2
1168	ok	0.07	8.83e-02	0.0	12.7	12.7	12.7	12.7	1.5	2.6	0.2	665.9	1581.7	16.6
1169	ok	0.07	8.72e-02	6.35e-06	12.7	12.7	12.7	12.7	1.6	2.6	0.8	700.4	1556.9	73.6
1170	ok	0.07	8.46e-02	4.40e-05	12.7	12.7	12.7	12.7	1.8	2.4	1.4	777.4	1490.4	136.4
1171	ok	0.07	8.04e-02	6.82e-05	12.7	12.7	12.7	12.7	2.0	1.9	1.8	896.6	1359.1	208.4
1172	ok	0.07	7.75e-02	7.52e-05	12.7	12.7	12.7	12.7	1.7	1.7	1.9	1060.2	1132.4	288.4
1173	ok	0.07	8.10e-02	2.25e-04	12.7	12.7	12.7	12.7	-0.4	2.9	1.1	1262.8	801.9	352.3
1174	ok	0.07	9.10e-02	1.33e-03	12.7	12.7	12.7	12.7	-8.9	-2.4	0.2	1610.7	-72.6	188.6
1175	ok	0.07	7.81e-02	1.52e-03	12.7	12.7	12.7	12.7	-4.3	-2.6	-6.6	1136.6	-129.3	-373.1
1176	ok	0.07	8.33e-02	2.44e-03	12.7	12.7	12.7	12.7	-8.2	16.8	3.3	1090.7	544.6	-551.7
1177	ok	0.07	8.31e-02	2.90e-03	12.7	12.7	12.7	12.7	-5.3	21.6	-4.3	1115.3	603.7	540.3
1178	ok	0.07	8.56e-02	9.88e-04	12.7	12.7	12.7	12.7	5.0	11.5	1.1	1105.6	802.8	-554.7
1179	ok	0.07	8.56e-02	3.21e-04	12.7	12.7	12.7	12.7	1.1	6.7	-3.9	865.8	1107.2	-525.2
1180	ok	0.07	8.70e-02	6.95e-05	12.7	12.7	12.7	12.7	1.7	4.2	-2.8	758.2	1367.8	-385.5
1181	ok	0.07	8.97e-02	7.02e-05	12.7	12.7	12.7	12.7	1.2	3.7	-1.9	667.4	1529.5	-266.7
1182	ok	0.07	9.14e-02	4.09e-05	12.7	12.7	12.7	12.7	1.0	3.6	-1.1	601.8	1611.3	-160.5
1183	ok	0.07	9.21e-02	8.33e-06	12.7	12.7	12.7	12.7	1.0	3.5	-0.4	564.8	1644.9	-64.1
1184	ok	0.07	9.21e-02	0.0	12.7	12.7	12.7	12.7	0.9	3.5	0.2	558.9	1649.1	27.8
1185	ok	0.07	9.17e-02	2.78e-05	12.7	12.7	12.7	12.7	1.0	3.6	0.9	584.9	1627.6	121.3
1186	ok	0.07	9.05e-02	5.48e-05	12.7	12.7	12.7	12.7	1.2	3.8	1.7	640.8	1567.6	222.2
1187	ok	0.07	8.81e-02	4.58e-05	12.7	12.7	12.7	12.7	1.7	4.1	2.6	721.8	1443.4	333.9
1188	ok	0.07	8.57e-02	1.82e-04	12.7	12.7	12.7	12.7	1.9	4.9	2.4	812.1	1224.2	467.8
1189	ok	0.07	8.94e-02	5.11e-04	12.7	12.7	12.7	12.7	3.6	15.4	4.5	1019.6	972.2	588.8
1190	ok	0.07	7.80e-02	1.86e-03	12.7	12.7	12.7	12.7	-6.0	-4.8	6.9	1111.8	-162.2	372.4
1191	ok	0.07	4.16e-02	2.56e-03	12.7	12.7	12.7	12.7	4.3	4.8	2.1	100.0	-285.7	-430.7
1192	ok	0.07	9.53e-02	1.00e-02	12.7	12.7	12.7	12.7	9.6	21.9	-11.1	513.6	646.2	-940.0
1193	ok	0.07	9.74e-02	1.06e-02	12.7	12.7	12.7	12.7	5.4	35.5	10.1	526.9	702.6	939.3
1194	ok	0.07	8.34e-02	3.18e-03	12.7	12.7	12.7	12.7	-5.8	24.6	-3.0	375.1	856.9	-824.8
1195	ok	0.07	9.37e-02	1.07e-03	12.7	12.7	12.7	12.7	1.2	7.4	-9.4	427.4	1183.7	-766.6
1196	ok	0.07	9.39e-02	3.67e-05	12.7	12.7	12.7	12.7	1.6	6.2	-3.3	477.5	1477.9	-484.2
1197	ok	0.07	9.65e-02	6.41e-05	12.7	12.7	12.7	12.7	0.5	5.3	-1.7	449.5	1636.5	-334.5
1198	ok	0.07	9.74e-02	5.12e-05	12.7	12.7	12.7	12.7	0.4	4.6	-0.9	417.7	1710.9	-203.3
1199	ok	0.07	9.75e-02	3.29e-05	12.7	12.7	12.7	12.7	0.4	4.2	-0.4	397.1	1739.2	-81.5
1200	ok	0.07	9.74e-02	2.07e-05	12.7	12.7	12.7	12.7	0.4	4.2	0.1	394.0	1742.4	36.2
1201	ok	0.07	9.74e-02	4.25e-05	12.7	12.7	12.7	12.7	0.4	4.5	0.7	409.9	1724.5	155.7
1202	ok	0.07	9.70e-02	5.53e-05	12.7	12.7	12.7	12.7	0.5	5.2	1.4	441.3	1670.9	282.8
1203	ok	0.07	9.53e-02	3.50e-05	12.7	12.7	12.7	12.7	1.4	6.2	3.0	478.5	1551.7	425.5
1204	ok	0.07	9.51e-02	8.56e-04	12.7	12.7	12.7	12.7	-2.13e-02	8.3	8.9	457.3	1327.7	664.0
1205	ok	0.07	8.34e-02	3.04e-03	12.7	12.7	12.7	12.7	15.6	12.5	-20.9	603.5	1056.5	496.8
1206	ok	0.07	4.40e-02	2.13e-03	12.7	12.7	12.7	12.7	6.4	7.4	-0.4	17.6	-222.5	428.0
1207	ok	0.07	6.95e-02	1.02e-02	12.7	12.7	12.7	12.7	-62.5	-10.8	17.7	-1110.3	324.9	360.0
1208	ok	0.07	0.2	8.68e-03	12.7	12.7	12.7	12.7	24.9	44.2	21.0	-1305.8	-1535.2	-1031.0
1209	ok	0.07	0.2	9.10e-03	12.7	12.7	12.7	12.7	16.7	47.5	-15.3	-1421.5	-1483.7	1022.3
1210	ok	0.07	8.94e-02	4.35e-03	12.7	12.7	12.7	12.7	-10.5	-8.2	14.0	-923.7	799.3	-279.5
1211	ok	0.07	9.59e-02	8.17e-04	12.7	12.7	12.7	12.7	23.7	11.0	-6.3	352.0	1320.6	-704.5
1212	ok	0.07	0.1	1.59e-04	12.7	12.7	12.7	12.7	1.9	7.9	-1.5	191.4	1599.1	-577.6
1213	ok	0.07	0.1	5.61e-05	12.7	12.7	12.7	12.7	0.2	5.9	-0.7	179.4	1765.4	-416.9
1214	ok	0.07	0.1	4.05e-05	12.7	12.7	12.7	12.7	5.53e-02	5.0	-0.5	171.7	1833.7	-259.2
1215	ok	0.07	0.1	3.62e-05	12.7	12.7	12.7	12.7	7.73e-02	4.6	-0.2	165.3	1858.2	-104.6
1216	ok	0.07	0.1	3.34e-05	12.7	12.7	12.7	12.7	7.34e-02	4.5	4.98e-02	164.4	1861.0	48.0



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1217	ok	0.07	0.1	3.79e-05	12.7	12.7	12.7	12.7	4.82e-02	4.8	0.3	170.2	1846.0	201.0
1218	ok	0.07	0.1	5.30e-05	12.7	12.7	12.7	12.7	0.2	5.5	0.5	180.7	1799.1	358.1
1219	ok	0.07	0.1	1.66e-04	12.7	12.7	12.7	12.7	1.8	7.3	1.3	205.7	1677.9	524.0
1220	ok	0.07	0.1	6.27e-04	12.7	12.7	12.7	12.7	21.5	11.6	6.8	399.9	1497.0	674.1
1221	ok	0.07	9.23e-02	3.89e-03	12.7	12.7	12.7	12.7	-10.0	-1.4	-18.9	-558.0	1034.3	549.7
1222	ok	0.07	6.66e-02	9.30e-03	12.7	12.7	12.7	12.7	-55.2	-13.4	-17.8	-1053.3	287.7	-362.8
1223	ok	0.07	2.74e-02	2.83e-03	12.7	12.7	12.7	12.7	-14.0	8.8	-6.0	-439.5	-148.9	-19.6
1224	ok	0.07	6.10e-02	3.06e-03	12.7	12.7	12.7	12.7	1.5	8.6	13.9	-124.0	-553.9	-326.5
1225	ok	0.07	4.85e-02	2.68e-03	12.7	12.7	12.7	12.7	-17.4	13.5	-3.5	95.3	-598.8	269.5
1226	ok	0.07	8.85e-02	1.16e-03	12.7	12.7	12.7	12.7	22.0	49.0	-18.3	339.0	613.6	-306.7
1227	ok	0.07	7.43e-02	1.93e-03	12.7	12.7	12.7	12.7	-12.8	6.6	0.2	-230.8	1175.5	-213.4
1228	ok	0.07	9.37e-02	3.17e-04	12.7	12.7	12.7	12.7	-2.1	5.6	0.7	-46.5	1647.4	-219.5
1229	ok	0.07	0.1	3.95e-05	12.7	12.7	12.7	12.7	-0.3	5.5	0.1	-24.6	1818.2	-156.9
1230	ok	0.07	0.1	2.44e-05	12.7	12.7	12.7	12.7	-3.34e-02	4.9	2.65e-02	-19.2	1886.9	-96.3
1231	ok	0.07	0.1	2.21e-05	12.7	12.7	12.7	12.7	-2.14e-02	4.5	-1.06e-02	-17.3	1908.5	-40.1
1232	ok	0.07	0.1	2.30e-05	12.7	12.7	12.7	12.7	-2.85e-02	4.4	1.57e-02	-17.3	1910.6	20.1
1233	ok	0.07	0.1	2.74e-05	12.7	12.7	12.7	12.7	-3.91e-02	4.6	-2.24e-02	-18.4	1898.2	75.1
1234	ok	0.07	0.1	3.98e-05	12.7	12.7	12.7	12.7	-0.3	4.9	-0.1	-23.2	1852.6	134.8
1235	ok	0.07	9.79e-02	3.20e-04	12.7	12.7	12.7	12.7	-2.1	4.8	-0.7	-46.0	1730.1	199.2
1236	ok	0.07	8.20e-02	2.14e-03	12.7	12.7	12.7	12.7	-14.1	4.4	-1.7	-239.9	1341.2	202.4
1237	ok	0.07	9.82e-02	1.55e-03	12.7	12.7	12.7	12.7	24.8	40.7	18.0	369.0	1042.0	413.2
1238	ok	0.07	2.50e-02	2.64e-03	12.7	12.7	12.7	12.7	-11.5	5.6	6.9	-397.0	-200.8	39.5

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
	0.07	0.58	0.05	12.72	12.72	12.72	12.72	-83.12	-80.02	-83.18	-7456.00	-5945.48	-2336.81
								112.23	202.65	102.91	1903.98	2242.93	2271.98

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
1	ok	0.0						
3	ok	0.0						
9	ok	0.0						
11	ok	0.0						
12	ok	0.0						
13	ok	0.0						
15	ok	0.0						
17	ok	0.0						
21	ok	0.0						
22	ok	0.0						
23	ok	0.0						
24	ok	0.20						
25	ok	0.0						
27	ok	0.0						
29	ok	0.0						
30	ok	0.0						
31	ok	0.0						
32	ok	0.30						
33	ok	0.0						
34	ok	0.16						
35	ok	0.22						
36	ok	0.10						
37	ok	0.19						
38	ok	0.07						
39	ok	0.14						
40	ok	0.06						
41	ok	0.09						
42	ok	0.05						
43	ok	0.08						
44	ok	0.07						
45	ok	0.12						
46	ok	0.09						
47	ok	0.18						
48	ok	0.13						
49	ok	0.22						
50	ok	0.21						
51	ok	0.39						
52	ok	0.0						
53	ok	0.0						
54	ok	0.0						
55	ok	0.60						
56	ok	0.51						
57	ok	0.22						
58	ok	0.12						
59	ok	0.08						
60	ok	0.05						



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61	ok	0.03
62	ok	0.03
63	ok	0.04
64	ok	0.06
65	ok	0.10
66	ok	0.20
67	ok	0.29
68	ok	0.62
69	ok	0.30
70	ok	0.24
71	ok	0.15
72	ok	0.09
73	ok	0.05
74	ok	0.03
75	ok	0.02
76	ok	0.02
77	ok	0.03
78	ok	0.04
79	ok	0.07
80	ok	0.12
81	ok	0.19
82	ok	0.28
83	ok	0.20
84	ok	0.15
85	ok	0.09
86	ok	0.06
87	ok	0.04
88	ok	0.03
89	ok	0.02
90	ok	0.02
91	ok	0.03
92	ok	0.03
93	ok	0.04
94	ok	0.07
95	ok	0.12
96	ok	0.20
97	ok	0.18
98	ok	0.12
99	ok	0.08
100	ok	0.06
101	ok	0.05
102	ok	0.03
103	ok	0.03
104	ok	0.02
105	ok	0.03
106	ok	0.04
107	ok	0.05
108	ok	0.07
109	ok	0.11
110	ok	0.18
111	ok	0.22
112	ok	0.17
113	ok	0.13
114	ok	0.09
115	ok	0.06
116	ok	0.04
117	ok	0.03
118	ok	0.03
119	ok	0.03
120	ok	0.05
121	ok	0.08
122	ok	0.11
123	ok	0.15
124	ok	0.22
125	ok	0.34
126	ok	0.26
127	ok	0.19
128	ok	0.14
129	ok	0.09
130	ok	0.05
131	ok	0.03
132	ok	0.03
133	ok	0.04
134	ok	0.07
135	ok	0.11
136	ok	0.17



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137	ok	0.23
138	ok	0.32
139	ok	0.51
140	ok	0.39
141	ok	0.29
142	ok	0.19
143	ok	0.11
144	ok	0.06
145	ok	0.04
146	ok	0.03
147	ok	0.05
148	ok	0.09
149	ok	0.15
150	ok	0.25
151	ok	0.35
152	ok	0.48
153	ok	0.77
154	ok	0.63
155	ok	0.44
156	ok	0.26
157	ok	0.14
158	ok	0.07
159	ok	0.04
160	ok	0.04
161	ok	0.06
162	ok	0.11
163	ok	0.21
164	ok	0.35
165	ok	0.55
166	ok	0.74
167	ok	0.0
168	ok	0.0
169	ok	0.71
170	ok	0.34
171	ok	0.18
172	ok	0.09
173	ok	0.05
174	ok	0.04
175	ok	0.07
176	ok	0.13
177	ok	0.26
178	ok	0.56
179	ok	0.54
180	ok	0.0
181	ok	0.0
182	ok	0.0
183	ok	0.38
184	ok	0.21
185	ok	0.10
186	ok	0.06
187	ok	0.04
188	ok	0.08
189	ok	0.16
190	ok	0.31
191	ok	0.81
192	ok	0.0
193	ok	0.0
194	ok	0.0
195	ok	0.0
196	ok	0.34
197	ok	0.19
198	ok	0.09
199	ok	0.05
200	ok	0.04
201	ok	0.07
202	ok	0.14
203	ok	0.26
204	ok	0.75
205	ok	0.0
206	ok	0.0
207	ok	0.0
208	ok	0.0
209	ok	0.0
210	ok	0.36
211	ok	0.19
212	ok	0.10



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213	ok	0.05
214	ok	0.04
215	ok	0.07
216	ok	0.15
217	ok	0.29
218	ok	0.73
219	ok	0.0
220	ok	0.0
221	ok	0.0
222	ok	0.0
223	ok	0.61
224	ok	0.31
225	ok	0.17
226	ok	0.08
227	ok	0.05
228	ok	0.04
229	ok	0.06
230	ok	0.13
231	ok	0.25
232	ok	0.51
233	ok	0.96
234	ok	0.0
235	ok	0.71
236	ok	0.59
237	ok	0.40
238	ok	0.24
239	ok	0.13
240	ok	0.07
241	ok	0.04
242	ok	0.03
243	ok	0.05
244	ok	0.10
245	ok	0.19
246	ok	0.32
247	ok	0.51
248	ok	0.68
249	ok	0.47
250	ok	0.36
251	ok	0.26
252	ok	0.17
253	ok	0.10
254	ok	0.05
255	ok	0.03
256	ok	0.03
257	ok	0.04
258	ok	0.08
259	ok	0.14
260	ok	0.22
261	ok	0.32
262	ok	0.44
263	ok	0.30
264	ok	0.23
265	ok	0.17
266	ok	0.11
267	ok	0.07
268	ok	0.04
269	ok	0.02
270	ok	0.02
271	ok	0.03
272	ok	0.06
273	ok	0.10
274	ok	0.15
275	ok	0.20
276	ok	0.27
277	ok	0.21
278	ok	0.15
279	ok	0.10
280	ok	0.07
281	ok	0.04
282	ok	0.03
283	ok	0.02
284	ok	0.02
285	ok	0.02
286	ok	0.04
287	ok	0.06
288	ok	0.09



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289	ok	0.13
290	ok	0.22
291	ok	0.19
292	ok	0.14
293	ok	0.09
294	ok	0.06
295	ok	0.04
296	ok	0.03
297	ok	0.02
298	ok	0.02
299	ok	0.02
300	ok	0.03
301	ok	0.05
302	ok	0.08
303	ok	0.12
304	ok	0.19
305	ok	0.26
306	ok	0.21
307	ok	0.15
308	ok	0.10
309	ok	0.06
310	ok	0.03
311	ok	0.02
312	ok	0.02
313	ok	0.03
314	ok	0.05
315	ok	0.08
316	ok	0.13
317	ok	0.18
318	ok	0.24
319	ok	0.40
320	ok	0.32
321	ok	0.23
322	ok	0.14
323	ok	0.08
324	ok	0.04
325	ok	0.03
326	ok	0.02
327	ok	0.03
328	ok	0.06
329	ok	0.11
330	ok	0.19
331	ok	0.28
332	ok	0.38
333	ok	0.62
334	ok	0.51
335	ok	0.35
336	ok	0.20
337	ok	0.10
338	ok	0.05
339	ok	0.03
340	ok	0.03
341	ok	0.04
342	ok	0.08
343	ok	0.15
344	ok	0.27
345	ok	0.44
346	ok	0.59
347	ok	0.0
348	ok	0.0
349	ok	0.56
350	ok	0.26
351	ok	0.13
352	ok	0.06
353	ok	0.03
354	ok	0.03
355	ok	0.05
356	ok	0.10
357	ok	0.20
358	ok	0.44
359	ok	0.0
360	ok	0.0
361	ok	0.0
362	ok	0.0
363	ok	0.0
364	ok	0.30



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365	ok	0.16
366	ok	0.08
367	ok	0.04
368	ok	0.03
369	ok	0.06
370	ok	0.12
371	ok	0.24
372	ok	0.64
373	ok	0.0
374	ok	0.0
375	ok	0.0
376	ok	0.0
377	ok	0.27
378	ok	0.14
379	ok	0.07
380	ok	0.04
381	ok	0.03
382	ok	0.05
383	ok	0.11
384	ok	0.20
385	ok	0.59
386	ok	0.0
387	ok	0.0
388	ok	0.0
389	ok	0.0
390	ok	0.29
391	ok	0.15
392	ok	0.07
393	ok	0.04
394	ok	0.03
395	ok	0.06
396	ok	0.12
397	ok	0.23
398	ok	0.57
399	ok	0.0
400	ok	0.0
401	ok	0.0
402	ok	0.0
403	ok	0.50
404	ok	0.26
405	ok	0.13
406	ok	0.07
407	ok	0.04
408	ok	0.03
409	ok	0.05
410	ok	0.10
411	ok	0.20
412	ok	0.42
413	ok	0.76
414	ok	0.0
415	ok	0.56
416	ok	0.48
417	ok	0.33
418	ok	0.19
419	ok	0.10
420	ok	0.05
421	ok	0.03
422	ok	0.03
423	ok	0.04
424	ok	0.08
425	ok	0.15
426	ok	0.26
427	ok	0.41
428	ok	0.53
429	ok	0.34
430	ok	0.29
431	ok	0.22
432	ok	0.13
433	ok	0.07
434	ok	0.04
435	ok	0.03
436	ok	0.03
437	ok	0.03
438	ok	0.06
439	ok	0.11
440	ok	0.18



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441	ok	0.25
442	ok	0.31
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444	ok	0.18
445	ok	0.14
446	ok	0.09
447	ok	0.05
448	ok	0.03
449	ok	0.02
450	ok	0.02
451	ok	0.03
452	ok	0.04
453	ok	0.07
454	ok	0.12
455	ok	0.17
456	ok	0.23
457	ok	0.26
458	ok	0.24
459	ok	0.18
460	ok	0.11
461	ok	0.06
462	ok	0.03
463	ok	0.02
464	ok	0.02
465	ok	0.03
466	ok	0.05
467	ok	0.09
468	ok	0.15
469	ok	0.21
470	ok	0.24
471	ok	0.45
472	ok	0.41
473	ok	0.27
474	ok	0.16
475	ok	0.09
476	ok	0.05
477	ok	0.03
478	ok	0.03
479	ok	0.04
480	ok	0.07
481	ok	0.13
482	ok	0.22
483	ok	0.35
484	ok	0.43
485	ok	0.93
486	ok	1.07
487	ok	0.37
488	ok	0.23
489	ok	0.12
490	ok	0.06
491	ok	0.04
492	ok	0.03
493	ok	0.05
494	ok	0.09
495	ok	0.18
496	ok	0.34
497	ok	0.75
498	ok	0.89
499	ok	0.0
500	ok	0.0
501	ok	0.58
502	ok	0.28
503	ok	0.15
504	ok	0.07
505	ok	0.04
506	ok	0.04
507	ok	0.06
508	ok	0.11
509	ok	0.21
510	ok	0.50
511	ok	0.0
512	ok	0.0
513	ok	0.36
514	ok	0.0
515	ok	0.0
516	ok	0.31



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517	ok	0.16
518	ok	0.08
519	ok	0.04
520	ok	0.03
521	ok	0.06
522	ok	0.12
523	ok	0.23
524	ok	0.32
525	ok	0.0
526	ok	0.71
527	ok	0.83
528	ok	0.0
529	ok	0.0
530	ok	0.59
531	ok	0.28
532	ok	0.15
533	ok	0.07
534	ok	0.04
535	ok	0.03
536	ok	0.05
537	ok	0.11
538	ok	0.21
539	ok	0.0
540	ok	0.0
541	ok	0.0
542	ok	0.27
543	ok	0.14
544	ok	0.07
545	ok	0.04
546	ok	0.03
547	ok	0.05
548	ok	0.10
549	ok	0.21
550	ok	0.64
551	ok	0.0
552	ok	0.0
553	ok	1.11
554	ok	1.07
555	ok	0.44
556	ok	0.25
557	ok	0.12
558	ok	0.06
559	ok	0.04
560	ok	0.03
561	ok	0.05
562	ok	0.09
563	ok	0.19
564	ok	0.40
565	ok	0.78
566	ok	1.00
567	ok	0.55
568	ok	0.46
569	ok	0.31
570	ok	0.17
571	ok	0.09
572	ok	0.05
573	ok	0.03
574	ok	0.03
575	ok	0.04
576	ok	0.07
577	ok	0.14
578	ok	0.25
579	ok	0.40
580	ok	0.53
581	ok	0.36
582	ok	0.28
583	ok	0.20
584	ok	0.13
585	ok	0.07
586	ok	0.04
587	ok	0.02
588	ok	0.02
589	ok	0.03
590	ok	0.06
591	ok	0.10
592	ok	0.17



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593	ok	0.25
594	ok	0.34
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596	ok	0.18
597	ok	0.13
598	ok	0.09
599	ok	0.05
600	ok	0.03
601	ok	0.02
602	ok	0.02
603	ok	0.02
604	ok	0.04
605	ok	0.07
606	ok	0.11
607	ok	0.15
608	ok	0.21
609	ok	0.18
610	ok	0.13
611	ok	0.08
612	ok	0.05
613	ok	0.03
614	ok	0.02
615	ok	0.02
616	ok	0.02
617	ok	0.02
618	ok	0.03
619	ok	0.04
620	ok	0.06
621	ok	0.11
622	ok	0.18
623	ok	0.20
624	ok	0.16
625	ok	0.10
626	ok	0.07
627	ok	0.04
628	ok	0.02
629	ok	0.02
630	ok	0.02
631	ok	0.02
632	ok	0.03
633	ok	0.06
634	ok	0.09
635	ok	0.13
636	ok	0.20
637	ok	0.31
638	ok	0.24
639	ok	0.17
640	ok	0.11
641	ok	0.06
642	ok	0.03
643	ok	0.02
644	ok	0.02
645	ok	0.02
646	ok	0.05
647	ok	0.09
648	ok	0.14
649	ok	0.21
650	ok	0.29
651	ok	0.47
652	ok	0.40
653	ok	0.26
654	ok	0.15
655	ok	0.08
656	ok	0.04
657	ok	0.03
658	ok	0.02
659	ok	0.04
660	ok	0.06
661	ok	0.12
662	ok	0.21
663	ok	0.34
664	ok	0.45
665	ok	0.91
666	ok	1.06
667	ok	0.36
668	ok	0.21



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669	ok	0.11
670	ok	0.06
671	ok	0.03
672	ok	0.03
673	ok	0.05
674	ok	0.08
675	ok	0.16
676	ok	0.32
677	ok	0.72
678	ok	0.88
679	ok	0.0
680	ok	0.0
681	ok	0.54
682	ok	0.27
683	ok	0.14
684	ok	0.07
685	ok	0.04
686	ok	0.03
687	ok	0.06
688	ok	0.10
689	ok	0.20
690	ok	0.50
691	ok	0.0
692	ok	0.0
693	ok	0.0
694	ok	0.0
695	ok	0.0
696	ok	0.31
697	ok	0.16
698	ok	0.08
699	ok	0.05
700	ok	0.04
701	ok	0.06
702	ok	0.12
703	ok	0.23
704	ok	0.32
705	ok	0.0
706	ok	0.0
707	ok	0.0
708	ok	0.0
709	ok	0.29
710	ok	0.15
711	ok	0.07
712	ok	0.04
713	ok	0.03
714	ok	0.05
715	ok	0.11
716	ok	0.21
717	ok	0.31
718	ok	0.0
719	ok	0.0
720	ok	0.0
721	ok	0.0
722	ok	0.29
723	ok	0.15
724	ok	0.08
725	ok	0.04
726	ok	0.04
727	ok	0.06
728	ok	0.11
729	ok	0.22
730	ok	0.64
731	ok	0.0
732	ok	0.0
733	ok	1.08
734	ok	1.09
735	ok	0.47
736	ok	0.27
737	ok	0.14
738	ok	0.07
739	ok	0.04
740	ok	0.04
741	ok	0.06
742	ok	0.11
743	ok	0.22
744	ok	0.43



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745	ok	0.81
746	ok	0.99
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748	ok	0.47
749	ok	0.33
750	ok	0.20
751	ok	0.11
752	ok	0.06
753	ok	0.04
754	ok	0.03
755	ok	0.05
756	ok	0.09
757	ok	0.17
758	ok	0.27
759	ok	0.41
760	ok	0.51
761	ok	0.32
762	ok	0.28
763	ok	0.22
764	ok	0.14
765	ok	0.08
766	ok	0.05
767	ok	0.03
768	ok	0.03
769	ok	0.04
770	ok	0.07
771	ok	0.12
772	ok	0.18
773	ok	0.25
774	ok	0.29
775	ok	0.24
776	ok	0.18
777	ok	0.16
778	ok	0.10
779	ok	0.06
780	ok	0.04
781	ok	0.03
782	ok	0.03
783	ok	0.03
784	ok	0.05
785	ok	0.09
786	ok	0.14
787	ok	0.18
788	ok	0.25
789	ok	0.32
790	ok	0.30
791	ok	0.21
792	ok	0.12
793	ok	0.06
794	ok	0.04
795	ok	0.03
796	ok	0.03
797	ok	0.03
798	ok	0.05
799	ok	0.10
800	ok	0.17
801	ok	0.26
802	ok	0.30
803	ok	0.0
804	ok	0.0
805	ok	0.33
806	ok	0.17
807	ok	0.08
808	ok	0.05
809	ok	0.03
810	ok	0.03
811	ok	0.04
812	ok	0.06
813	ok	0.13
814	ok	0.27
815	ok	0.43
816	ok	0.0
817	ok	0.0
818	ok	0.0
819	ok	0.0
820	ok	0.21



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821	ok	0.10
822	ok	0.06
823	ok	0.04
824	ok	0.03
825	ok	0.05
826	ok	0.08
827	ok	0.16
828	ok	0.36
829	ok	0.0
830	ok	0.0
831	ok	0.0
832	ok	0.0
833	ok	0.19
834	ok	0.10
835	ok	0.05
836	ok	0.03
837	ok	0.03
838	ok	0.04
839	ok	0.07
840	ok	0.15
841	ok	0.41
842	ok	0.0
843	ok	0.0
844	ok	0.0
845	ok	0.0
846	ok	0.23
847	ok	0.12
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849	ok	0.04
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868	ok	0.31
869	ok	0.0
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872	ok	0.29
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894	ok	0.09
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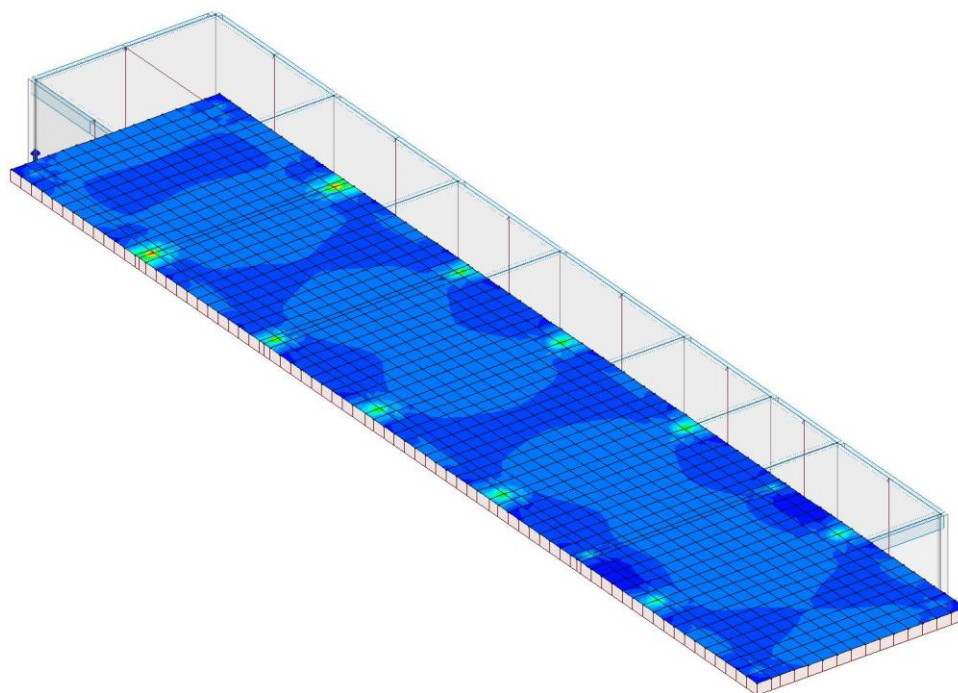
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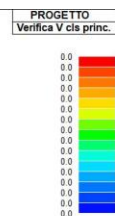
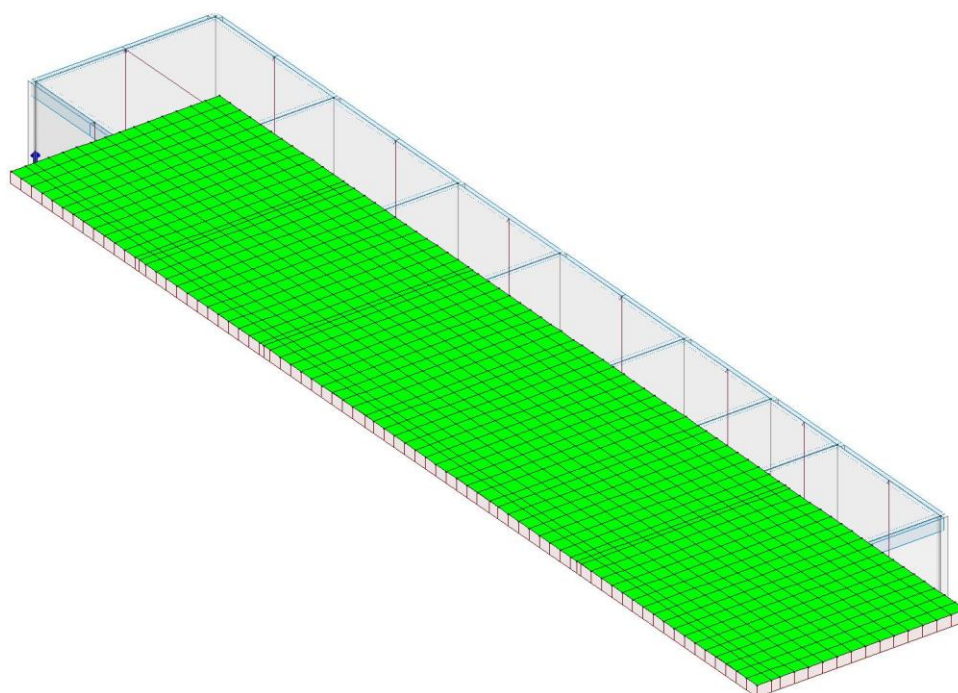
Nodo	Max tau 2.85	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
------	-----------------	----------	-----------	---------	----------	------	-------

Nodo	Stato	V 6.50	V 6.53	Beta	f. a fon	f. Uout	Aw tot cm2	Asw,min cm2	n. x serie	n.ser 0(R)	n.ser 90	Rif. cmb
1	ok	0.04	0.03	1.14	2.00	0.0	0.0	0.0	0	0	0	2
3	ok	0.04	0.03	1.14	2.00	0.0	0.0	0.0	0	0	0	2
9	ok	0.05	0.04	1.15	2.00	0.0	0.0	0.0	0	0	0	2
11	ok	0.11	0.07	1.16	2.00	0.0	0.0	0.0	0	0	0	2
12	ok	0.11	0.07	1.15	2.00	0.0	0.0	0.0	0	0	0	2
13	ok	0.11	0.07	1.16	2.00	0.0	0.0	0.0	0	0	0	2
15	ok	0.11	0.07	1.15	2.00	0.0	0.0	0.0	0	0	0	2
17	ok	0.05	0.04	1.15	2.00	0.0	0.0	0.0	0	0	0	2
21	ok	0.11	0.07	1.16	2.00	0.0	0.0	0.0	0	0	0	2
22	ok	0.14	0.08	1.15	2.00	0.0	0.0	0.0	0	0	0	2
23	ok	0.11	0.07	1.16	2.00	0.0	0.0	0.0	0	0	0	2
25	ok	0.10	0.06	1.14	2.00	0.0	0.0	0.0	0	0	0	2
27	ok	0.10	0.06	1.14	2.00	0.0	0.0	0.0	0	0	0	2
206	ok	0.14	0.08	1.15	2.00	0.0	0.0	0.0	0	0	0	2
1208	ok	0.04	0.03	1.12	2.00	0.0	0.0	0.0	0	0	0	2
1209	ok	0.04	0.03	1.12	2.00	0.0	0.0	0.0	0	0	0	2



01_Edificio SSE_MACOMER 2

72_PRO_CA_D3_VER_NM



01_Edificio SSE_MACOMER 2

72_PRO_CA_D3_VER_VI



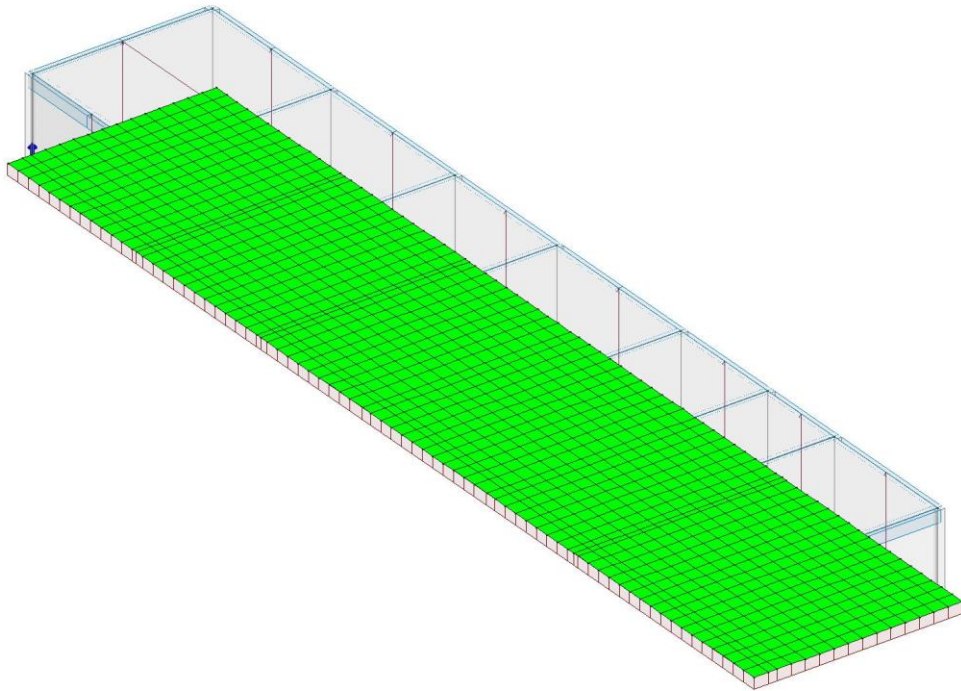
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PROGETTO
Verifica V cis sec.



01_Edificio SSE_MACOMER 2

72_PRO_CA_D3_VER_VII



19. STATI LIMITE D' ESERCIZIO

19.1. LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastri	rRfck	rRfyk	rPfck	per sezioni significative
travi	rRfck	rRfyk	rPfck	per sezioni significative
	wR	wF	wP	per sezioni significative
	dR	dF	dP	massimi in campata
setti e gusci	rRfck	rRfyk	rPfck	massimi nei nodi dell'elemento
	wR	wF	wP	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).



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Pilas.	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb
1	0.0	0.10	0.07	0.0	70,70,0	150.0	0.16	0.12	0.0	70,70,0
	300.0	0.38	0.43	0.0	70,70,0					
2	0.0	0.10	0.07	0.0	70,70,0	150.0	0.16	0.12	0.0	70,70,0
	300.0	0.38	0.43	0.0	70,70,0					
5	0.0	0.12	0.08	0.0	70,70,0	150.0	0.15	0.12	0.0	70,70,0
	300.0	0.40	0.48	0.0	70,70,0					
6	0.0	0.20	0.13	0.0	70,70,0	150.0	0.22	0.15	0.0	70,70,0
	300.0	0.62	0.72	0.0	70,70,0					
7	0.0	0.21	0.13	0.0	70,70,0	150.0	0.23	0.15	0.0	70,70,0
	300.0	0.64	0.74	0.0	70,70,0					
8	0.0	0.20	0.13	0.0	70,70,0	150.0	0.23	0.15	0.0	70,70,0
	300.0	0.63	0.72	0.0	70,70,0					
9	0.0	0.12	0.08	0.0	70,70,0	150.0	0.15	0.12	0.0	70,70,0
	300.0	0.40	0.48	0.0	70,70,0					
13	0.0	0.23	0.15	0.0	70,70,0	150.0	0.25	0.16	0.0	70,70,0
	300.0	0.70	0.81	0.0	70,70,0					
15	0.0	0.20	0.13	0.0	70,70,0	150.0	0.22	0.15	0.0	70,70,0
	300.0	0.62	0.72	0.0	70,70,0					
16	0.0	0.21	0.13	0.0	70,70,0	150.0	0.23	0.15	0.0	70,70,0
	300.0	0.64	0.74	0.0	70,70,0					
17	0.0	0.20	0.13	0.0	70,70,0	150.0	0.23	0.15	0.0	70,70,0
	300.0	0.63	0.72	0.0	70,70,0					
18	0.0	0.23	0.15	0.0	70,70,0	150.0	0.25	0.16	0.0	70,70,0
	300.0	0.70	0.81	0.0	70,70,0					
29	0.0	0.17	0.11	0.0	70,70,0	150.0	0.20	0.13	0.0	70,70,0
	300.0	0.55	0.62	0.0	70,70,0					
30	0.0	0.17	0.11	0.0	70,70,0	150.0	0.20	0.13	0.0	70,70,0
	300.0	0.55	0.62	0.0	70,70,0					
42	0.0	0.09	0.06	0.0	70,70,0	150.0	0.14	0.11	0.0	70,70,0
	300.0	0.34	0.39	0.0	70,70,0					
43	0.0	0.09	0.06	0.0	70,70,0	150.0	0.14	0.11	0.0	70,70,0
	300.0	0.34	0.39	0.0	70,70,0					

Pilas.	rRfck	rRfyk	rPfck	rRfck	rRfyk	rPfck
	0.70	0.81	0.0			

Trave	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb	dR cm	dF cm	dP cm	Rif. cmb
3	0.0	0.17	0.36	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-1.09	-0.98	0.0	70,72,0
	315.0	0.33	0.76	0.0	70,70,0	0.23	0.22	0.0	70,72,0				
4	0.0	0.32	0.63	0.0	70,70,0	0.16	0.15	0.0	70,72,0	-1.75	-1.49	0.0	70,72,0
	315.0	0.51	0.77	0.0	70,70,0	0.20	0.17	0.0	70,72,0				
	630.0	0.32	0.63	0.0	70,70,0	0.16	0.15	0.0	70,72,0				
10	0.0	0.17	0.40	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-1.13	-0.99	0.0	70,72,0
	315.0	0.34	0.60	0.0	70,70,0	0.15	0.14	0.0	70,72,0				
	630.0	0.17	0.40	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
11	0.0	0.37	0.75	0.0	70,70,0	0.21	0.18	0.0	70,72,0	-1.80	-1.52	0.0	70,72,0
	315.0	0.56	0.72	0.0	70,70,0	0.17	0.15	0.0	70,72,0				
	630.0	0.37	0.75	0.0	70,70,0	0.21	0.18	0.0	70,72,0				
12	0.0	0.31	0.60	0.0	70,70,0	0.15	0.13	0.0	70,72,0	-1.76	-1.50	0.0	70,72,0
	315.0	0.51	0.77	0.0	70,70,0	0.20	0.17	0.0	70,72,0				
	630.0	0.31	0.60	0.0	70,70,0	0.15	0.13	0.0	70,72,0				
14	0.0	0.33	0.80	0.0	70,70,0	0.24	0.23	0.0	70,72,0	-1.67	-1.42	0.0	70,72,0
	315.0	0.49	0.73	0.0	70,70,0	0.19	0.16	0.0	70,72,0				
	630.0	0.33	0.80	0.0	70,70,0	0.24	0.23	0.0	70,72,0				
19	0.0	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	70,72,0
	285.0	0.05	0.12	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
20	0.0	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	70,72,0
	285.0	0.05	0.12	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
21	0.0	0.08	0.20	0.0	69,69,0	0.0	0.0	0.0	0,0,0	-0.05	-0.05	0.0	69,71,0
	300.0	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
22	0.0	0.06	0.15	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-5.47e-03	-5.47e-03	0.0	69,71,0
	245.0	0.02	0.04	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
	490.0	0.06	0.15	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
23	0.0	0.08	0.20	0.0	69,69,0	0.0	0.0	0.0	0,0,0	-0.05	-0.05	0.0	69,71,0
	300.0	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
24	0.0	0.06	0.15	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-5.49e-03	-5.49e-03	0.0	69,71,0
	245.0	0.02	0.04	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
	490.0	0.06	0.15	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
25	0.0	0.06	0.14	0.0	69,69,0	0.0	0.0	0.0	0,0,0	0.02	0.02	0.0	70,72,0
	210.0	0.01	0.03	0.0	69,69,0	0.0	0.0	0.0	0,0,0				



26	420.0	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
	0.0	0.07	0.17	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	70,72,0
	300.0	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
27	0.0	0.07	0.17	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	70,72,0
	300.0	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
28	0.0	0.06	0.14	0.0	69,69,0	0.0	0.0	0.0	0,0,0	0.02	0.02	0.0	70,72,0
	210.0	0.01	0.03	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
	420.0	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
31	0.0	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.02	-0.01	0.0	70,72,0
	160.0	9.59e-04	1.83e-03	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
	320.0	0.04	0.09	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
32	0.0	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.02	-0.01	0.0	70,72,0
	160.0	9.92e-04	1.93e-03	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
	320.0	0.04	0.09	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
33	0.0	0.31	0.60	0.0	70,70,0	0.15	0.14	0.0	70,72,0	-1.48	-1.29	0.0	70,72,0
	315.0	0.46	0.69	0.0	70,70,0	0.17	0.15	0.0	70,72,0				
34	0.0	0.46	0.69	0.0	70,70,0	0.17	0.15	0.0	70,72,0	-1.48	-1.29	0.0	70,72,0
	315.0	0.31	0.60	0.0	70,70,0	0.15	0.14	0.0	70,72,0				
35	0.0	0.33	0.76	0.0	70,70,0	0.23	0.22	0.0	70,72,0	-1.09	-0.98	0.0	70,72,0
	315.0	0.17	0.36	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
36	0.0	0.05	0.12	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	69,71,0
	285.0	0.09	0.21	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
37	0.0	0.05	0.12	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	69,71,0
	285.0	0.09	0.21	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
38	0.0	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.05	-0.05	0.0	70,72,0
	300.0	0.07	0.16	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
39	0.0	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.05	-0.05	0.0	70,72,0
	300.0	0.07	0.16	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
40	0.0	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	70,72,0
	300.0	0.07	0.16	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
41	0.0	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.06	-0.06	0.0	70,72,0
	300.0	0.07	0.16	0.0	69,69,0	0.0	0.0	0.0	0,0,0				
44	0.0	0.16	0.35	0.0	70,70,0	0.0	0.0	0.0	0,0,0	-0.94	-0.79	0.0	70,72,0
	315.0	0.31	0.71	0.0	70,70,0	0.21	0.20	0.0	70,72,0				
45	0.0	0.31	0.71	0.0	70,70,0	0.21	0.20	0.0	70,72,0	-0.94	-0.79	0.0	70,72,0
	315.0	0.16	0.35	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
46	0.0	0.05	0.12	0.0	69,69,0	0.0	0.0	0.0	0,0,0	-0.05	-0.05	0.0	69,71,0
	250.0	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
	500.0	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
47	0.0	0.05	0.12	0.0	69,69,0	0.0	0.0	0.0	0,0,0	-0.05	-0.05	0.0	69,71,0
	250.0	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0				
	500.0	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0				

Trave	rRfck	rRfyk	rPfck	wR	wF	wP	dR	dF	dP
	0.56	0.80	0.0	0.24	0.23	0.0	0.02	0.02	0.0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb
1	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
2	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
3	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
4	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
5	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
6	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
7	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
8	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
9	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
10	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
11	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
12	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
13	0.05	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
14	0.03	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
15	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
16	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
17	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
18	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
19	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
20	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
21	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
22	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
23	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
24	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
25	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
26	0.03	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
27	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0



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408	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
409	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
410	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
411	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
412	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
413	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
414	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
415	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
416	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
417	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
418	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
419	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
420	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
421	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
422	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
423	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
424	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
425	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
426	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
427	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
428	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
429	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
430	0.05	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
431	0.03	0.13	0.0	70,70,0	0.0	0.0	0.0	0,0,0
432	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
433	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
434	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
435	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
436	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
437	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
438	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
439	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
440	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
441	0.03	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
442	0.04	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
443	0.09	0.24	0.0	70,70,0	0.0	0.0	0.0	0,0,0
444	0.05	0.15	0.0	70,70,0	0.0	0.0	0.0	0,0,0
445	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
446	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
447	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
448	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
449	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
450	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
451	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
452	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
453	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
454	0.03	0.13	0.0	70,70,0	0.0	0.0	0.0	0,0,0
455	0.08	0.23	0.0	70,70,0	0.0	0.0	0.0	0,0,0
456	0.05	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
457	0.03	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
458	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
459	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
460	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
461	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
462	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
463	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
464	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
465	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
466	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
467	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
468	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
469	0.10	0.27	0.0	70,70,0	0.0	0.0	0.0	0,0,0
470	0.04	0.17	0.0	70,70,0	0.0	0.0	0.0	0,0,0
471	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
472	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
473	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
474	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
475	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
476	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
477	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
478	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
479	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
480	0.03	0.16	0.0	70,70,0	0.0	0.0	0.0	0,0,0
481	0.09	0.26	0.0	70,70,0	0.0	0.0	0.0	0,0,0
482	0.07	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
483	0.04	0.14	0.0	70,70,0	0.0	0.0	0.0	0,0,0



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788	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
789	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
790	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
791	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
792	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
793	0.02	0.04	0.0	70,70,0	0.0	0.0	0.0	0,0,0
794	0.01	0.04	0.0	70,70,0	0.0	0.0	0.0	0,0,0
795	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
796	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
797	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
798	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
799	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
800	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
801	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
802	0.04	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
803	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
804	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
805	0.02	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
806	0.02	0.04	0.0	70,70,0	0.0	0.0	0.0	0,0,0
807	0.02	0.04	0.0	70,70,0	0.0	0.0	0.0	0,0,0
808	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
809	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
810	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
811	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
812	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
813	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
814	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
815	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
816	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
817	0.06	0.12	0.0	70,70,0	0.0	0.0	0.0	0,0,0
818	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
819	0.07	0.18	0.0	70,70,0	0.0	0.0	0.0	0,0,0
820	0.04	0.17	0.0	70,70,0	0.0	0.0	0.0	0,0,0
821	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
822	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
823	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
824	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
825	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
826	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
827	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
828	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
829	0.01	0.03	0.0	70,70,0	0.0	0.0	0.0	0,0,0
830	0.08	0.30	0.0	70,70,0	0.0	0.0	0.0	0,0,0
831	0.08	0.29	0.0	70,70,0	0.0	0.0	0.0	0,0,0
832	0.10	0.20	0.0	70,70,0	0.0	0.0	0.0	0,0,0
833	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
834	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
835	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
836	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
837	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
838	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
839	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
840	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
841	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
842	0.07	0.17	0.0	70,70,0	0.0	0.0	0.0	0,0,0
843	0.11	0.44	0.0	70,70,0	0.0	0.0	0.0	0,0,0
844	0.10	0.39	0.0	70,70,0	0.0	0.0	0.0	0,0,0
845	0.07	0.14	0.0	70,70,0	0.0	0.0	0.0	0,0,0
846	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
847	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
848	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
849	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
850	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
851	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
852	0.05	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
853	0.09	0.31	0.0	70,70,0	0.0	0.0	0.0	0,0,0
854	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
855	0.10	0.36	0.0	70,70,0	0.0	0.0	0.0	0,0,0
856	0.06	0.13	0.0	70,70,0	0.0	0.0	0.0	0,0,0
857	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
858	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
859	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
860	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
861	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
862	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
863	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0



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864	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
865	0.05	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
866	0.09	0.31	0.0	70,70,0	0.0	0.0	0.0	0,0,0
867	0.08	0.27	0.0	70,70,0	0.0	0.0	0.0	0,0,0
868	0.10	0.34	0.0	70,70,0	0.0	0.0	0.0	0,0,0
869	0.06	0.12	0.0	70,70,0	0.0	0.0	0.0	0,0,0
870	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
871	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
872	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
873	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
874	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
875	0.03	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
876	0.05	0.23	0.0	70,70,0	0.0	0.0	0.0	0,0,0
877	0.05	0.23	0.0	70,70,0	0.0	0.0	0.0	0,0,0
878	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
879	0.01	0.03	0.0	70,70,0	0.0	0.0	0.0	0,0,0
880	0.01	0.03	0.0	70,70,0	0.0	0.0	0.0	0,0,0
881	0.04	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
882	0.10	0.23	0.0	70,70,0	0.0	0.0	0.0	0,0,0
883	0.04	0.18	0.0	70,70,0	0.0	0.0	0.0	0,0,0
884	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
885	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
886	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
887	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
888	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
889	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
890	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
891	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
892	0.04	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
893	0.10	0.23	0.0	70,70,0	0.0	0.0	0.0	0,0,0
894	0.15	0.55	0.0	70,70,0	0.0	0.0	0.0	0,0,0
895	0.13	0.50	0.0	70,70,0	0.0	0.0	0.0	0,0,0
896	0.10	0.20	0.0	70,70,0	0.0	0.0	0.0	0,0,0
897	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
898	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
899	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
900	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
901	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
902	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
903	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
904	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
905	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
906	0.07	0.16	0.0	70,70,0	0.0	0.0	0.0	0,0,0
907	0.11	0.46	0.0	70,70,0	0.0	0.0	0.0	0,0,0
908	0.10	0.41	0.0	70,70,0	0.0	0.0	0.0	0,0,0
909	0.07	0.14	0.0	70,70,0	0.0	0.0	0.0	0,0,0
910	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
911	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
912	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
913	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
914	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
915	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
916	0.05	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
917	0.09	0.32	0.0	70,70,0	0.0	0.0	0.0	0,0,0
918	0.04	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
919	0.09	0.36	0.0	70,70,0	0.0	0.0	0.0	0,0,0
920	0.06	0.13	0.0	70,70,0	0.0	0.0	0.0	0,0,0
921	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
922	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
923	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
924	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
925	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
926	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
927	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
928	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
929	0.05	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
930	0.09	0.32	0.0	70,70,0	0.0	0.0	0.0	0,0,0
931	0.08	0.27	0.0	70,70,0	0.0	0.0	0.0	0,0,0
932	0.09	0.35	0.0	70,70,0	0.0	0.0	0.0	0,0,0
933	0.06	0.13	0.0	70,70,0	0.0	0.0	0.0	0,0,0
934	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
935	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
936	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
937	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
938	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
939	0.03	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0



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940	0.05	0.24	0.0	70,70,0	0.0	0.0	0.0	0,0,0
941	0.05	0.24	0.0	70,70,0	0.0	0.0	0.0	0,0,0
942	0.03	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
943	0.01	0.03	0.0	70,70,0	0.0	0.0	0.0	0,0,0
944	0.01	0.03	0.0	70,70,0	0.0	0.0	0.0	0,0,0
945	0.01	0.03	0.0	70,70,0	0.0	0.0	0.0	0,0,0
946	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
947	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
948	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
949	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
950	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
951	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
952	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
953	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
954	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
955	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
956	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
957	0.03	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
958	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
959	0.04	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
960	0.04	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
961	0.09	0.23	0.0	70,70,0	0.0	0.0	0.0	0,0,0
962	0.04	0.13	0.0	70,70,0	0.0	0.0	0.0	0,0,0
963	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
964	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
965	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
966	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
967	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
968	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
969	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
970	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
971	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
972	0.03	0.13	0.0	70,70,0	0.0	0.0	0.0	0,0,0
973	0.12	0.35	0.0	70,70,0	0.0	0.0	0.0	0,0,0
974	0.15	0.53	0.0	70,70,0	0.0	0.0	0.0	0,0,0
975	0.13	0.48	0.0	70,70,0	0.0	0.0	0.0	0,0,0
976	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
977	0.05	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
978	0.05	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
979	0.05	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
980	0.03	0.12	0.0	70,70,0	0.0	0.0	0.0	0,0,0
981	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
982	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
983	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
984	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
985	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
986	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
987	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
988	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
989	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
990	0.03	0.11	0.0	70,70,0	0.0	0.0	0.0	0,0,0
991	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
992	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
993	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
994	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
995	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
996	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
997	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
998	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
999	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1000	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1001	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1002	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1003	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1004	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1005	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1006	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1007	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1008	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1009	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1010	0.03	0.07	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1011	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1012	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1013	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1014	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1015	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0



EGP CODE

GRE.EEC.R.74.IT.W.15067.00.004.00

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1092	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1093	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1094	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1095	0.03	0.08	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1096	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1097	0.04	0.16	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1098	0.04	0.15	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1099	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1100	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1101	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1102	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1103	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1104	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1105	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1106	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1107	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1108	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1109	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1110	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1111	0.02	0.05	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1112	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1113	0.04	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1114	0.02	0.06	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1115	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1116	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1117	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1118	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1119	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1120	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1121	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1122	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1123	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1124	0.03	0.09	0.0	70,70,0	0.0	0.0	0.0	0,0,0
1125	0.03	0.10	0.0	70,70,0	0.0	0.0	0.0	0,0,0

Guscio **rRfck** **rRfyk** **rPfck** **wR** **wF** **wP**
0.15 0.55 0.0 0.0 0.0 0.0